

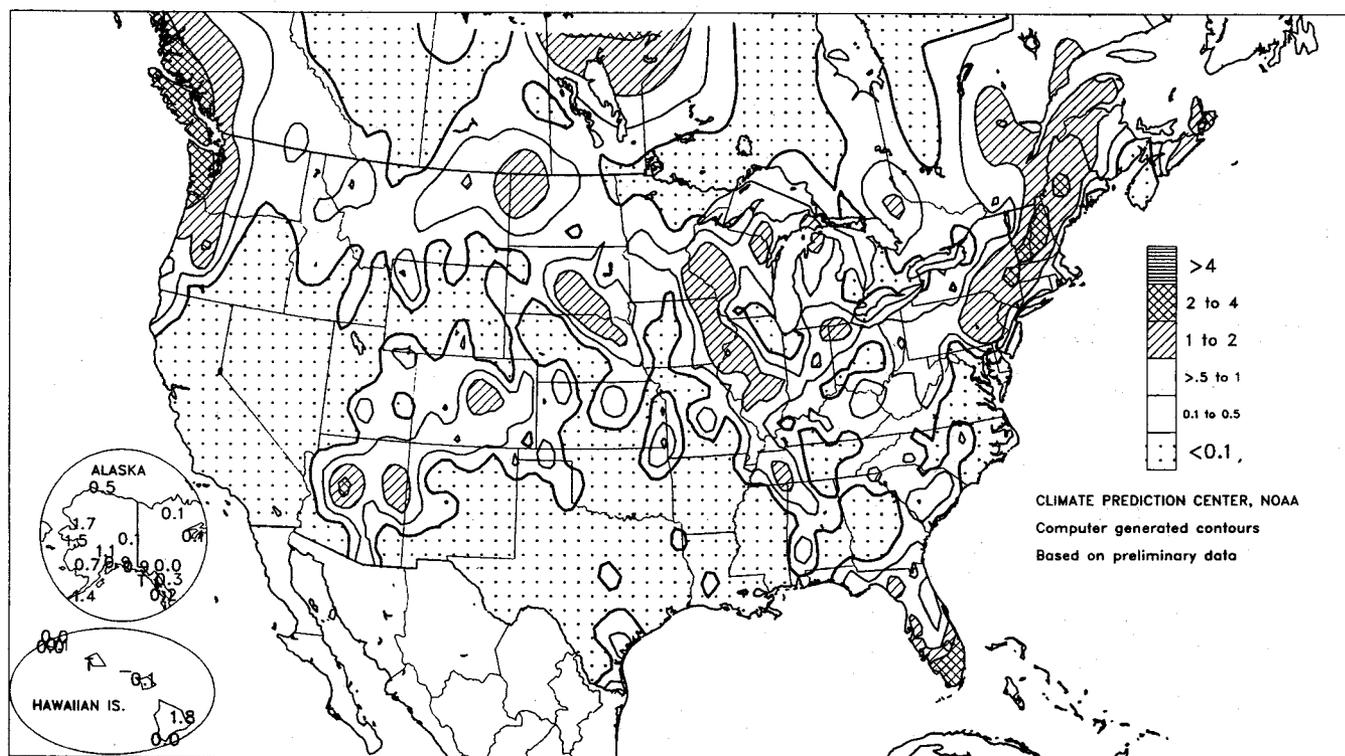
# WEEKLY WEATHER AND CROP BULLETIN

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

Total Precipitation (Inches)

AUG 24 - 30, 1997



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

## HIGHLIGHTS

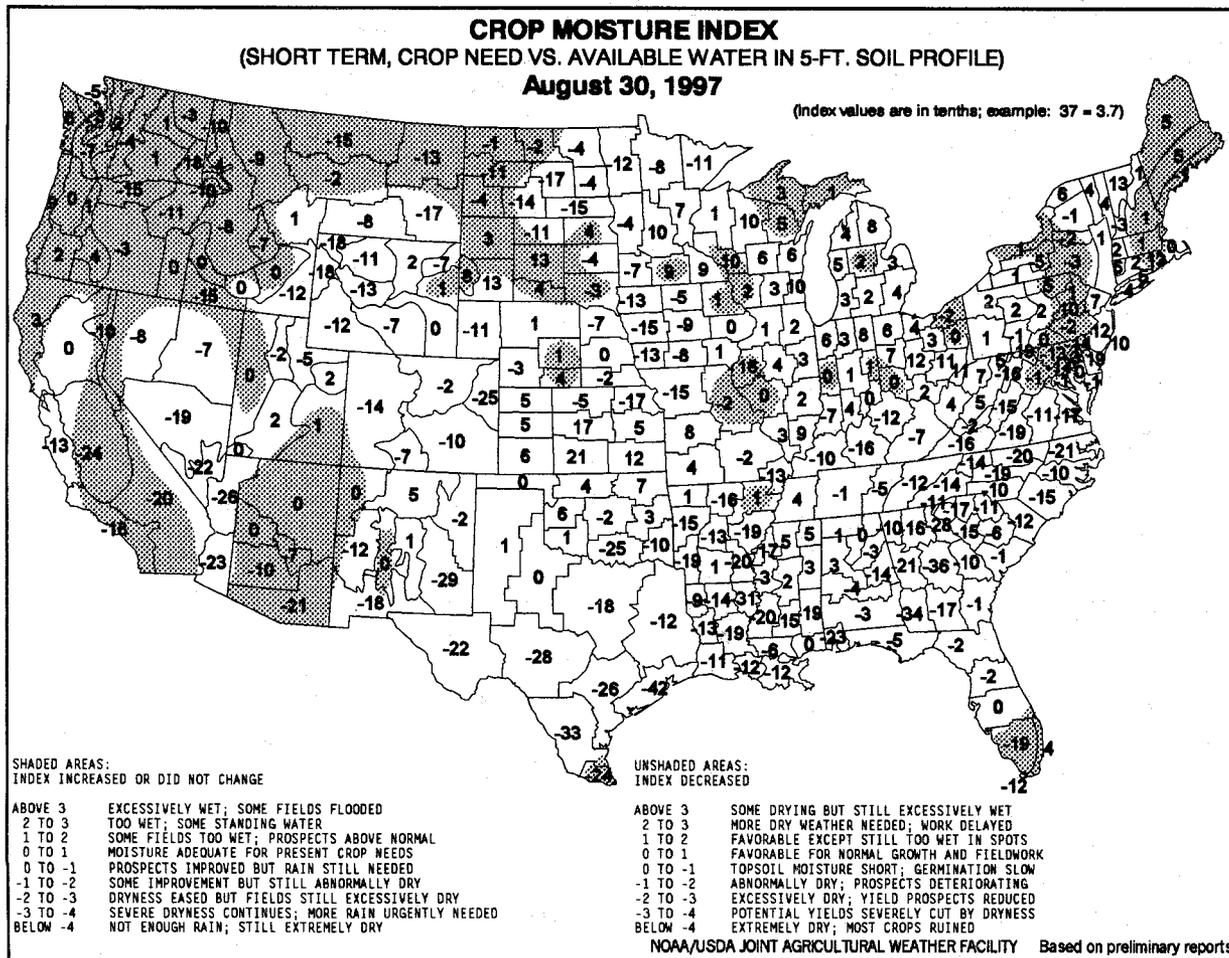
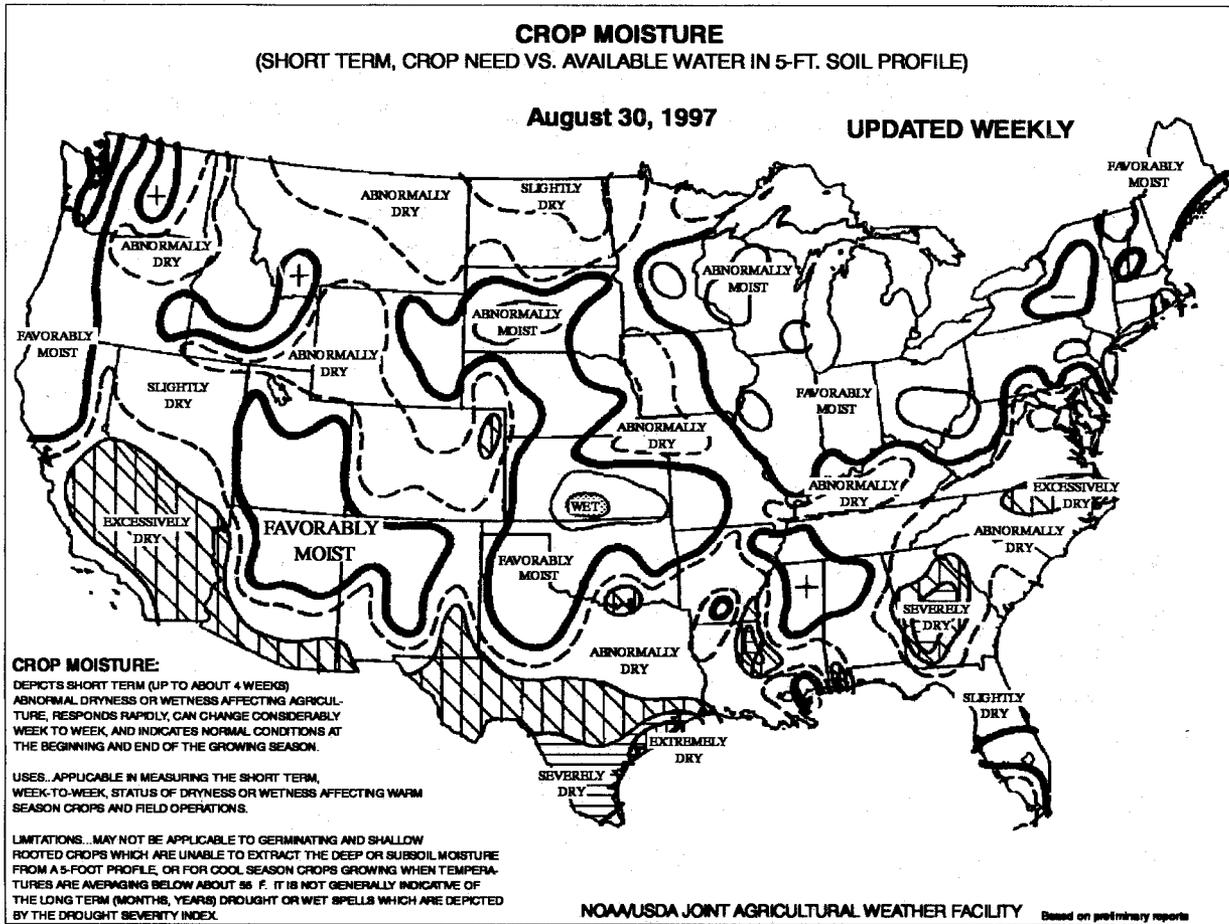
August 24 - 30, 1997

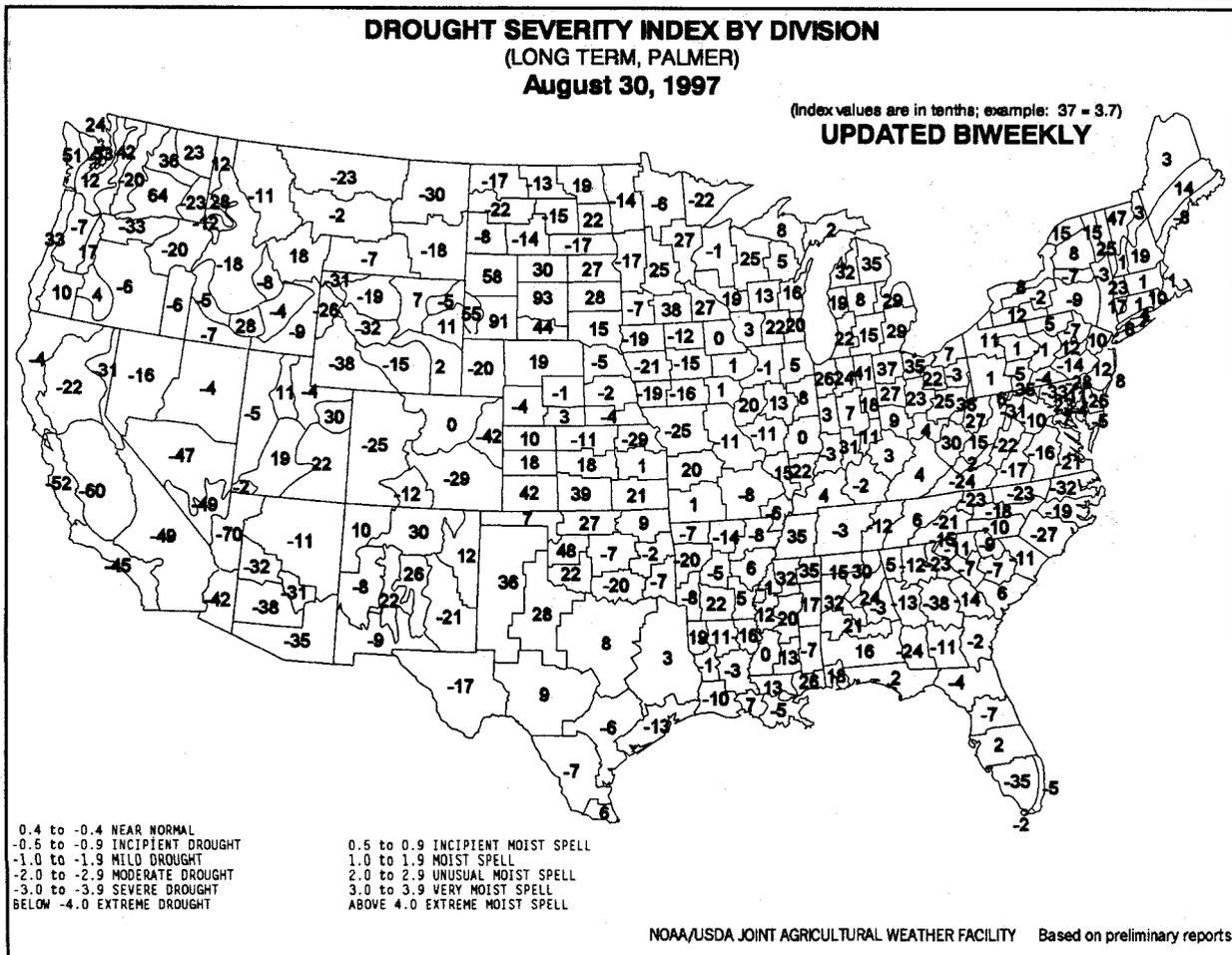
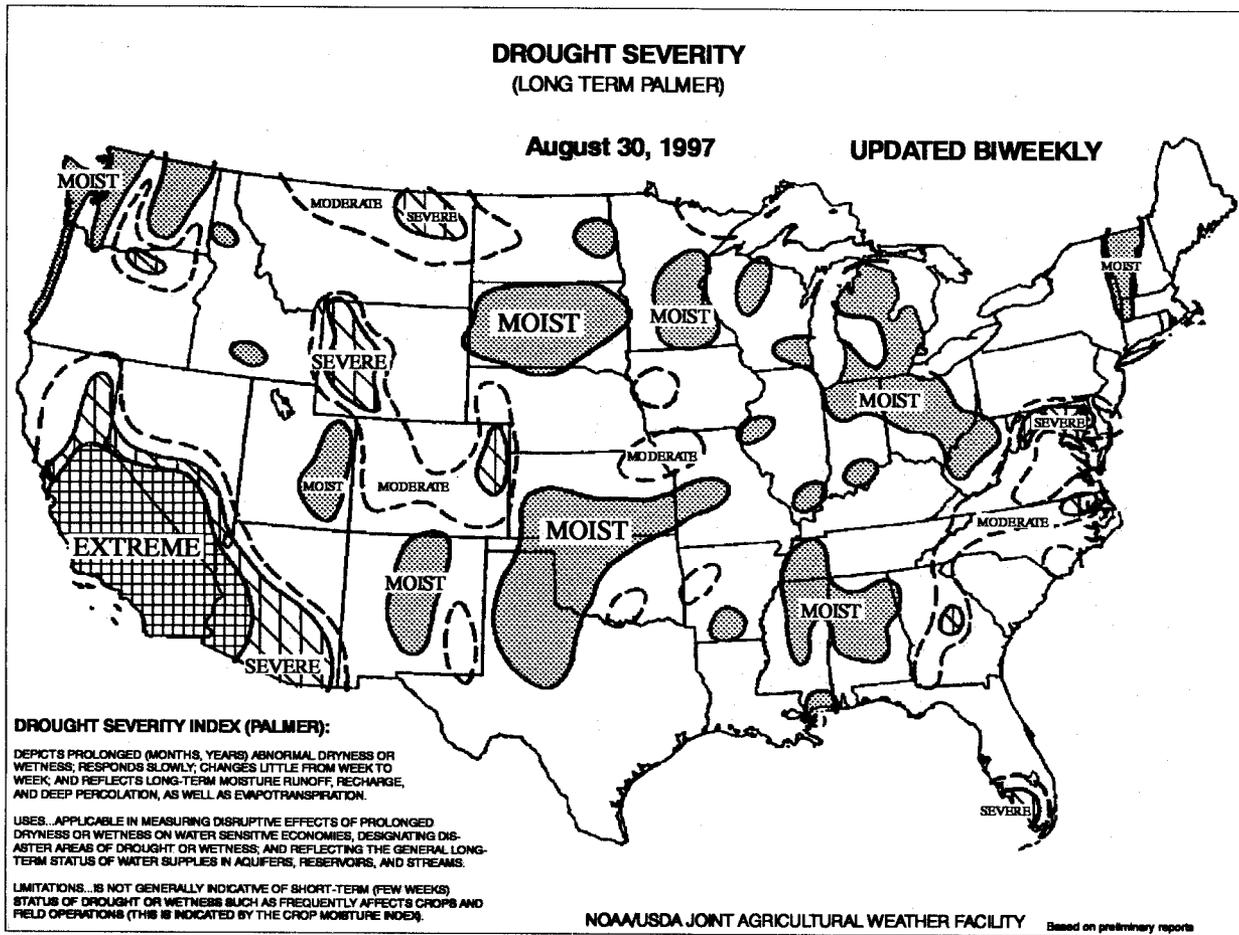
**D**espite near- to below-normal temperatures, dry weather persisted in the Southeast for a fourth consecutive week. Meanwhile, southern Texas' 2½-month dry spell continued, although cooler air arrived. Farther west, however, heavy monsoonal thunderstorms peppered the Southwest for the sixth week in a row. Across the North—including the Pacific Northwest, northern Plains, Midwest, and Northeast—a parade of disturbances sparked occasional rainfall. Weekly temperatures averaged up to 10°F above normal on the northern Plains, but were as much as 4°F below normal in the eastern Great Lakes States. Near- to below-normal readings prevailed in the West Coast States,

*(Continued on page 5)*

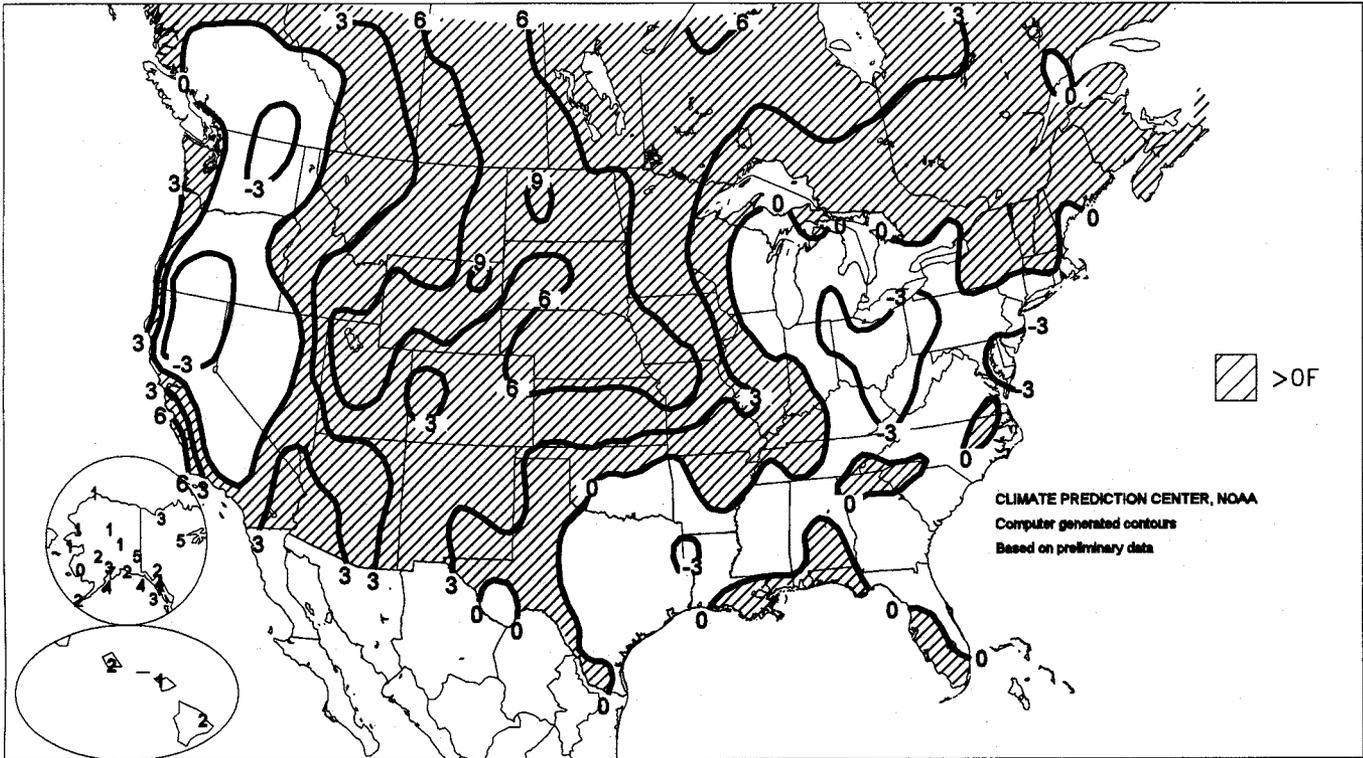
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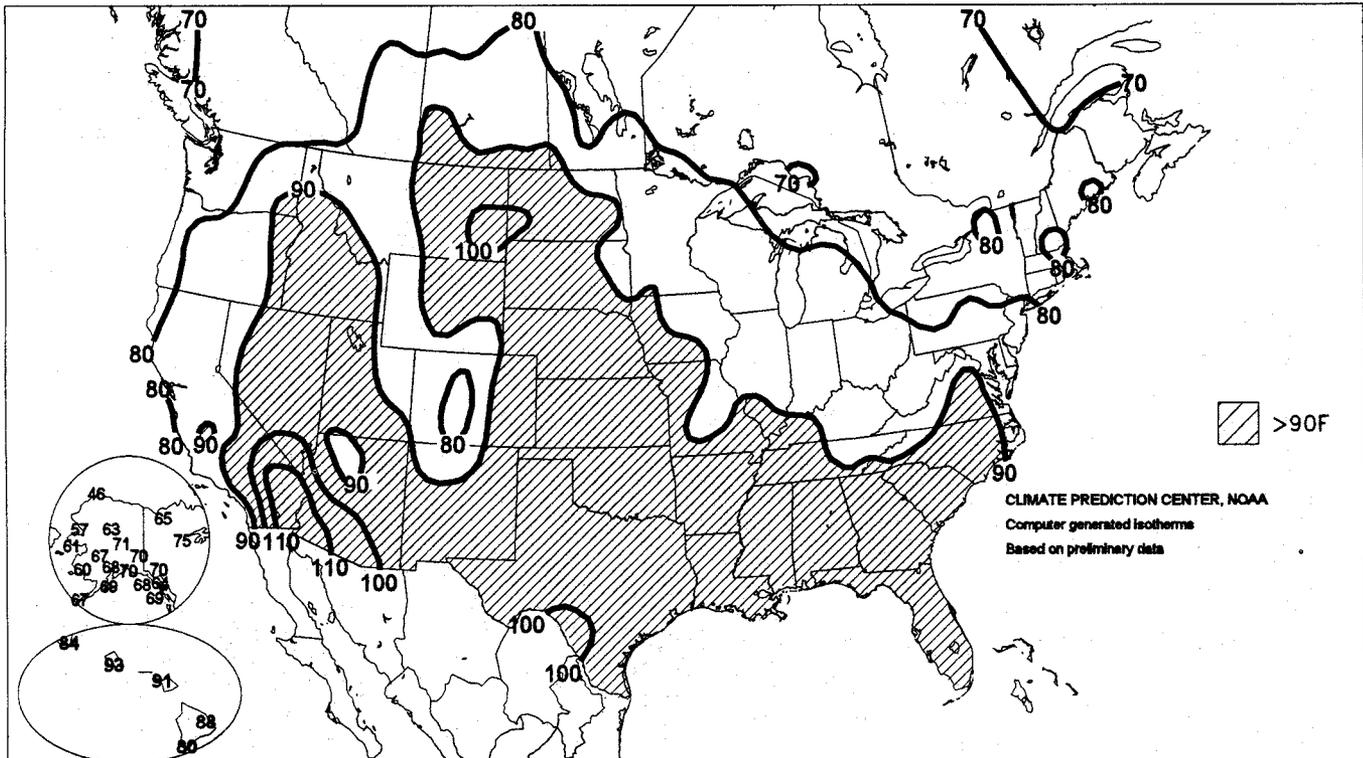




### Departure of Average Temperature from Normal (°F) AUG 24 - 30, 1997



### Extreme Maximum Temperature (°F) AUG 24 - 30, 1997



*(Continued from front cover)*

except near the **Pacific Ocean**, where warm-phase (El Niño) conditions have resulted in unusually high sea-surface and air temperatures.

Early in the week, a high-pressure system drifted across the **Southeast**, producing more than two dozen daily-record lows. On Sunday, **Huntsville, AL** (56°F) notched their second of three consecutive daily records. Lows dipped below 50°F as far south as **Bristol, TN** (48°F) and **Asheville, NC** (47°F). Meanwhile in **North Dakota**, highs soared to daily-record levels of 100°F at **Dickinson** and **Williston**. Three days later, **Miles City, MT** recorded 102°F. As late as Thursday, **Worland, WY** posted a daily-record high of 99°F, but sharply cooler air approached the region at week's end.

Along the **California coast** at **Eureka**, the mercury reached or exceeded 70°F on 10 consecutive days from August 21 to 30, breaking their record of 4 days set during September 1983. **Eureka** also tallied daily-record highs of 74°F on Sunday and Monday. Farther south, **Santa Barbara** logged daily records on Sunday (86°F) and Tuesday (88°F). Meanwhile in

the **Atlantic Basin**, August passed without any tropical storms or hurricanes for the first time since 1961.

Without significant tropical moisture, August rainfall was the lowest on record in **Columbia, SC** (0.22 inches). In **Mobile, AL**, August's 1.04-inch total (lowest on record) contrasted sharply with July's 18.52-inch total, fueled by Hurricane Danny. Less than 1 inch of rain fell during August in locations such as **Montgomery, AL** (0.74 inches) and **Greenville-Spartanburg, SC** (0.92 inches). In southern Texas, **San Antonio** received only 0.62 inches during the month.

Weekly rainfall in excess of 2 inches was confined to scattered locations in **southern Florida**, the **Northeast**, the **Southwest**, and the **coastal Northwest**. Totals locally in excess of 1 inch only briefly interrupted harvests on the **northern Plains** and benefited later-planted crops in the **Corn Belt**.

Warm, generally dry weather in **Hawaii** resulted in a monthly record-tying high of 93°F on Saturday at **Honolulu**. Meanwhile in **Alaska**, occasional rainfall capped the second-wettest August on record in **Barrow** (2.64 inches), **Anchorage** (8.37 inches), and **Valdez** (13.34 inches).



**Stormy Northwest:** Cloudy, wet weather engulfs the Pacific Northwest and southwestern Canada. A few days later, the continuing series of storms helped to draw monsoonal (tropical) moisture into the region.



# National Weather Data for Selected Cities

Weather Data for the Week Ending August 30, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	82 AND BELOW	01 INCH OR MORE	50 INCH OR MORE	
	AL	BIRMINGHAM	91	65	94	57	78	0	0.02	-0.74	0.02	13.71	110	37.66	98	93	42	5	0	1
	HUNTSVILLE	88	64	91	56	76	-1	0.23	-0.53	0.21	11.10	80	37.68	97	98	51	4	0	2	0
	MOBILE	92	69	96	64	80	-1	0.00	-1.53	0.00	26.06	151	59.28	130	91	46	6	0	0	0
	MONTGOMERY	93	67	96	64	80	0	0.00	-0.80	0.00	7.06	56	30.87	82	98	43	6	0	0	0
AK	ANCHORAGE	84	50	67	44	57	3	0.96	0.36	0.67	7.87	151	9.88	111	91	60	0	0	4	1
	BARROW	39	34	45	31	37	1	0.53	0.34	0.21	3.50	182	3.74	129	98	85	0	2	4	0
	FAIRBANKS	63	46	71	42	54	1	0.10	-0.29	0.09	2.80	54	3.55	48	93	56	0	0	2	0
	JUNEAU	63	51	64	48	57	4	-	-	-	-	-	-	97	76	0	0	-	-	
	KODIAK	64	53	69	47	58	4	0.30	-1.03	0.28	5.64	42	38.36	95	86	62	0	0	2	0
	NOME	54	44	61	38	49	1	1.48	0.86	0.78	6.62	110	10.57	115	93	71	0	0	4	1
AZ	FLAGSTAFF	75	52	81	50	64	1	0.78	0.19	0.29	3.04	52	9.22	62	92	45	0	0	6	0
	PHOENIX	101	82	106	77	91	1	0.60	0.28	0.28	1.49	78	3.19	71	56	26	7	0	2	0
	PRESCOTT	83	61	88	58	72	3	2.68	1.99	1.39	5.28	75	9.61	73	63	35	0	0	4	2
	TUCSON	97	74	101	72	85	2	0.68	0.21	0.61	2.85	60	5.37	72	78	31	7	0	3	1
	YUMA	107	85	110	84	96	5	0.00	-0.14	0.00	0.02	2	0.57	30	57	27	7	0	0	0
AR	FORT SMITH	92	66	96	63	79	0	0.01	-0.86	0.01	9.89	107	26.34	98	96	44	6	0	1	0
	LITTLE ROCK	94	67	99	63	81	2	0.00	-0.77	0.00	15.96	167	43.06	136	91	38	7	0	0	0
CA	BAKERSFIELD	88	63	92	62	76	-5	0.00	-0.03	0.00	0.00	0	2.99	78	73	34	1	0	0	0
	EUREKA	71	57	74	52	64	6	0.94	0.80	0.47	2.57	234	20.66	96	89	58	0	0	2	0
	FRESNO	90	64	92	63	77	-1	0.00	-0.02	0.00	0.00	0	3.51	50	71	27	5	0	0	0
	LOS ANGELES	79	67	82	66	73	3	0.00	-0.06	0.00	0.00	0	4.21	53	67	62	0	0	0	0
	REDDING	87	60	90	57	74	-4	0.00	-0.14	0.00	2.19	189	17.20	89	77	25	1	0	0	0
	SACRAM/MCCLELL	89	63	90	63	76	-	0.00	-	0.00	0.86	-	9.51	-	86	27	5	0	0	0
	SAN DIEGO	78	69	82	67	74	1	0.00	-0.03	0.00	0.09	50	3.63	58	66	63	0	0	0	0
	SAN FRANCISCO	75	63	79	62	69	5	0.00	0.00	0.00	0.87	725	9.42	77	91	59	0	0	0	0
CO	ALAMOSA	82	48	84	41	66	4	0.08	-0.15	0.06	2.61	89	4.86	97	88	28	0	0	2	0
	CO SPRINGS	83	59	88	57	71	5	0.11	-0.48	0.08	13.80	171	19.07	146	83	37	0	0	2	0
	DENVER	87	60	92	55	74	5	0.08	-0.23	0.08	10.48	202	14.22	122	75	29	1	0	1	0
	GRAND JUNCTION	86	62	92	58	74	0	0.38	0.19	0.38	3.20	163	8.08	147	74	35	4	0	1	0
	PUEBLO	92	61	95	56	76	4	0.48	0.10	0.20	7.31	139	10.98	125	79	27	6	0	4	0
CT	BRIDGEPORT	76	62	79	59	69	-2	0.31	-0.39	0.20	9.17	68	25.58	91	86	59	0	0	2	0
	HARTFORD	78	58	82	54	68	-2	0.99	0.14	0.79	13.21	128	27.15	95	94	58	0	0	4	1
DC	WASHINGTON	85	66	90	60	75	-1	0.00	-0.86	0.00	7.61	69	22.57	87	83	46	1	0	0	0
DE	WILMINGTON	79	61	81	64	70	-3	0.28	-0.46	0.26	7.88	71	17.33	63	88	45	0	0	2	0
FL	DAYTONA BEACH	89	71	94	67	80	-1	1.48	0.01	1.28	21.52	124	33.38	105	93	56	3	0	2	1
	JACKSONVILLE	88	68	93	64	78	-2	1.67	-0.20	1.59	22.25	117	36.30	100	94	54	3	0	2	1
	KEY WEST	89	77	91	72	83	-1	1.54	0.28	1.28	14.90	110	24.27	100	81	62	3	0	3	1
	MIAMI	90	75	91	73	83	0	1.09	-0.74	0.67	26.97	121	47.25	125	87	60	4	0	6	1
	ORLANDO	92	71	94	66	81	-1	0.03	-1.47	0.03	24.64	117	38.81	111	95	49	6	0	1	0
	TAMPA	91	74	92	70	82	0	0.03	-1.67	0.03	16.34	84	31.62	100	89	51	7	0	1	0
	VALPARAISO/EGLIN	92	71	95	64	81	1	0.04	-1.50	0.04	20.20	95	48.17	108	86	54	6	0	1	0
	WEST PALM BEACH	89	74	90	72	81	-1	3.41	1.89	1.70	24.73	123	45.00	118	92	57	3	0	3	2
GA	ATHENS	90	64	94	67	77	0	0.00	-0.78	0.00	11.45	92	30.74	87	90	42	4	0	0	0
	ATLANTA	88	66	91	61	77	0	0.00	-0.75	0.00	9.94	82	32.36	80	86	43	4	0	0	0
	AUGUSTA	91	61	94	58	76	-2	0.28	-0.86	0.28	11.74	92	27.49	84	90	44	4	0	1	0
	COLUMBUS	92	69	96	64	80	0	0.00	-0.74	0.00	11.48	87	33.93	92	92	48	5	0	0	0
	MACON	92	64	97	58	78	-1	0.00	-0.75	0.00	4.96	43	24.13	74	95	39	5	0	0	0
	SAVANNAH	90	67	95	62	78	-2	0.91	-0.67	0.91	19.28	100	32.51	88	96	49	3	0	1	1
HI	HILO	86	71	88	71	79	2	1.80	-0.22	0.87	46.51	186	92.69	110	92	63	0	0	7	1
	HONOLULU	91	78	93	75	84	2	0.01	-0.10	0.01	1.04	68	15.44	127	79	50	6	0	1	0
	KAHULUI	89	72	91	68	81	1	-	-	-	-	-	-	86	58	2	0	-	-	
	LIHUE	84	78	84	75	80	0	-	-	-	-	-	-	78	85	0	0	-	-	
ID	BOISE	87	57	93	54	72	2	0.22	0.10	0.22	2.06	131	8.48	110	66	20	2	0	1	0
	LEWISTON	84	57	93	51	70	-1	0.47	0.28	0.47	2.43	90	11.08	132	70	25	1	0	1	0
	POCATELLO	89	62	96	44	70	4	0.06	-0.11	0.06	4.41	191	9.14	113	67	17	3	0	1	0
IL	CHICAGO/O'HARE	77	61	86	56	69	-1	0.89	-0.87	0.06	7.78	68	19.34	81	93	62	0	0	2	0
	MOLINE	80	63	85	62	72	1	1.06	0.94	1.06	12.53	94	26.34	97	97	74	0	0	4	1
	PEORIA	80	64	86	62	72	1	1.48	0.78	1.21	8.31	74	21.07	86	93	68	0	0	3	1
	ROCKFORD	78	59	84	56	69	0	0.18	-0.78	0.17	9.84	78	22.83	82	95	64	0	0	2	0
	SPRINGFIELD	82	65	87	62	74	2	0.90	0.16	0.54	7.00	69	16.76	70	98	67	0	0	4	1
IN	EVANSVILLE	86	65	88	57	75	1	0.00	-0.88	0.00	6.00	57	31.23	106	97	59	0	0	0	0
	FORT WAYNE	78	57	84	51	67	-3	0.78	0.06	0.75	13.52	131	29.78	125	96	64	0	0	4	1
	INDIANAPOLIS	80	61	86	57	71	-1	0.29	-0.45	0.21	6.61	57	25.56	82	98	62	0	0	3	0
	SOUTH BEND	75	59	81	54	67	-2	0.93	0.10	0.82	10.28	89	22.30	87	95	60	0	0	3	1
IA	BURLINGTON	-	-	-	-	-	-	1.72	0.81	0.90	10.70	89	24.34	98	-	-	-	-	-	-
	CEDAR RAPIDS	-	-	-	-	-	-	0.86	-0.07	0.73	7.07	66	18.61	78	-	-	-	-	-	
	DES MOINES	84	69	88	66	77	5													

Weather Data for the Week Ending August 30, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	91	68	96	63	80	2	0.00	-0.72	0.00	13.50	130	26.08	121	88	41	5	0	0	0
LA JACKSON	80	61	86	54	70	-2	0.12	-0.70	0.12	15.74	119	37.98	111	82	60	0	0	1	0
LA LEXINGTON	81	62	88	53	71	-2	0.30	-0.50	0.30	15.46	124	48.17	154	91	54	0	0	1	0
LA LOUISVILLE	84	66	89	57	75	1	0.20	-0.54	0.12	13.38	117	47.35	152	82	55	0	0	2	0
LA PADUCAH	87	66	90	54	76	1	0.55	-0.19	0.48	12.22	107	40.56	121	94	61	2	0	2	0
LA BATON ROUGE	91	70	96	63	80	-1	0.00	-1.26	0.00	18.19	96	50.22	118	93	48	5	0	0	0
LA LAKE CHARLES	91	71	94	67	81	0	0.00	-1.24	0.00	15.37	100	48.37	135	94	47	5	0	0	0
LA NEW ORLEANS	92	74	96	71	83	2	0.00	-1.38	0.00	13.28	74	37.19	87	86	46	5	0	0	0
LA SHREVEPORT	90	68	93	62	78	-3	0.01	-0.53	0.01	12.46	121	48.91	169	94	48	4	0	1	0
ME CARIBOU	72	52	77	46	62	2	1.26	0.37	0.58	11.18	103	25.29	109	99	59	0	0	4	1
ME PORTLAND	74	56	78	52	65	0	0.77	0.12	0.39	6.59	71	22.85	83	96	68	0	0	4	0
MD BALTIMORE	83	60	88	54	72	-2	0.02	-0.85	0.02	9.82	88	25.42	92	96	48	0	0	1	0
MA BOSTON	76	62	82	59	69	-1	0.03	-0.71	0.02	4.98	55	18.78	70	90	60	0	0	2	0
MA WORCESTER	73	59	77	56	66	0	0.23	-0.64	0.19	7.54	66	24.78	80	91	58	0	0	3	0
MI ALPENA	72	49	81	43	61	-2	0.48	-0.29	0.44	8.85	96	21.91	114	97	60	0	0	2	0
MI GRAND RAPIDS	74	57	84	54	66	-2	0.23	-0.84	0.12	6.81	66	19.73	87	99	68	0	0	4	0
MI HOUGHTON LAKE	71	52	81	48	62	-2	0.26	-0.54	0.15	8.52	96	19.02	104	97	62	0	0	3	0
MI LANSING	73	53	85	49	63	-4	0.06	-0.73	0.04	6.37	68	18.39	93	97	61	0	0	2	0
MI MARQUETTE	-	-	-	-	-	-	0.88	0.02	-	8.06	84	23.27	108	-	-	-	-	-	-
MI MUSKEGON	73	56	79	53	64	-3	0.28	-0.58	0.13	8.15	105	18.50	94	98	69	0	0	3	0
MN DULUTH	71	56	83	48	63	2	0.25	-0.86	0.18	8.63	77	14.46	71	95	64	0	0	4	0
MN INT'L FALLS	78	51	86	40	64	3	0.08	-0.63	0.06	6.59	63	11.43	87	98	52	0	0	1	0
MN MINNEAPOLIS	80	63	86	60	71	4	1.26	0.46	1.22	22.32	201	28.07	138	93	81	0	0	2	1
MN ROCHESTER	77	60	81	58	66	3	0.88	0.01	0.79	14.82	128	24.41	116	97	71	0	0	6	1
MN ST. CLOUD	78	58	85	53	68	4	0.41	-0.49	0.29	13.13	114	18.20	92	97	62	0	0	3	0
MS JACKSON	91	66	94	69	78	-2	0.00	-0.80	0.00	14.64	129	42.63	113	98	44	5	0	0	0
MS MERIDIAN	91	64	96	58	77	-2	0.00	-0.74	0.00	11.46	93	41.99	106	96	46	5	0	0	0
MS TUPELO	89	66	93	58	78	-1	0.00	-0.67	0.00	19.94	180	50.33	133	96	47	4	0	0	0
MO COLUMBIA	87	68	88	58	78	4	0.00	-0.76	0.00	9.14	82	28.86	101	90	56	0	0	0	0
MO KANSAS CITY	89	67	91	62	78	4	0.00	-0.96	0.00	5.26	41	18.72	72	92	54	2	0	0	0
MO SAINT LOUIS	87	70	90	64	79	3	0.43	-0.19	0.37	5.54	54	20.83	88	91	62	2	0	2	0
MO SPRINGFIELD	86	64	86	58	75	0	0.00	-0.90	0.00	8.70	78	25.36	91	98	55	0	0	0	0
MT BILLINGS	87	59	82	52	73	5	0.04	-0.22	0.04	6.72	172	10.80	99	78	39	1	0	1	0
MT BUTTE	81	43	87	39	62	3	0.03	-0.27	0.03	8.60	184	16.74	183	92	24	0	0	1	0
MT GLASGOW	86	58	99	49	71	5	1.71	1.43	-	6.70	130	10.16	117	73	25	2	0	-	-
MT GREAT FALLS	82	49	89	41	65	1	0.42	0.06	0.14	6.86	134	11.82	102	85	27	0	0	4	0
MT KALISPELL	78	46	86	38	61	0	0.62	0.19	0.51	5.59	119	14.03	125	96	37	0	0	2	1
MT MILES CITY	93	62	102	57	78	9	0.00	-0.26	0.00	5.37	99	8.82	84	83	24	5	0	0	0
MT MISSOULA	81	49	90	43	65	1	0.50	0.22	0.50	4.81	125	12.25	127	86	33	1	0	1	1
NE GRAND ISLAND	88	67	93	65	78	6	0.00	-0.66	0.00	12.54	132	18.76	99	89	56	2	0	0	0
NE LINCOLN	91	70	98	67	80	8	0.01	-0.79	0.01	9.17	88	16.48	81	85	52	5	0	1	0
NE NORFOLK	89	69	94	64	79	9	0.24	-0.31	0.09	7.12	70	14.56	78	94	55	3	0	4	0
NE NORTH PLATTE	90	61	93	56	78	7	0.18	-0.15	0.17	9.22	114	11.90	78	82	46	4	0	2	0
NE OMAHA	89	71	93	69	80	8	1.70	0.91	1.36	11.70	112	17.95	85	88	62	2	0	-	-
NE SCOTTSBLUFF	89	57	92	53	73	4	0.01	-0.21	0.01	7.09	123	17.12	141	93	38	3	0	1	0
NE VALENTINE	90	62	96	57	78	7	0.03	-0.42	0.01	10.25	128	16.91	115	96	45	3	0	3	0
NV ELY	88	52	90	43	70	7	0.00	-0.20	0.00	2.72	113	6.37	92	38	9	1	0	0	0
NV LAS VEGAS	103	81	105	78	92	6	0.00	-0.11	0.00	0.92	96	1.16	42	25	10	7	0	0	0
NV RENO	86	47	88	43	66	-1	0.00	-0.08	0.00	1.22	117	5.69	114	70	17	0	0	0	0
NV WINNEMUCCA	88	43	92	39	65	-2	0.01	-0.10	0.01	2.49	157	5.84	104	51	15	2	0	1	0
NH CONCORD	78	56	81	52	67	2	1.82	0.90	1.17	8.38	87	22.55	96	93	54	0	0	3	1
NJ NEWARK	79	64	82	57	71	-3	0.34	-0.50	0.19	11.84	103	28.87	97	85	53	0	0	2	0
NM ALBUQUERQUE	89	68	92	66	77	3	0.11	-0.23	-	5.03	141	7.88	131	62	25	3	0	-	-
NY ALBANY	77	59	79	56	68	0	0.27	-0.50	0.15	7.36	72	18.11	75	98	61	0	0	4	0
NY BINGHAMTON	72	56	78	51	64	-2	1.25	0.61	0.75	8.41	81	19.94	82	99	69	0	0	3	1
NY BUFFALO	74	59	78	51	66	-1	0.00	-0.96	0.00	9.57	90	26.50	109	91	55	0	0	0	0
NY ROCHESTER	75	58	79	50	66	-1	0.67	-0.10	0.63	9.33	103	21.22	102	98	62	0	0	2	1
NY SYRACUSE	78	59	78	58	67	1	0.93	0.13	0.58	8.44	77	19.59	79	95	64	0	0	5	1
NC ASHEVILLE	84	55	88	47	70	-1	0.02	-1.00	0.02	11.44	86	34.74	106	85	41	0	0	1	0
NC CHARLOTTE	89	68	93	62	78	1	0.41	-0.42	0.30	16.90	154	33.39	113	79	41	4	0	3	0
NC GREENSBORO	86	60	90	55	72	-2	0.27	-0.58	0.24	7.97	66	26.83	92	88	43	1	0	2	0
NC HATTERAS	80	70	84	64	76	-3	0.00	-1.35	0.00	10.02	87	29.85	83	81	58	0	0	0	0
NC RALEIGH	88	59	94	54	74	-2	0.00	-0.87	0.00	10.89	94	27.28	94	82	39	2	0	0	0
NC WILMINGTON	85	68	93	60	78	-3	0.07	-1.35	0.07	14.08	68	28.13	71	92	49	2	0	1	0
ND BISMARCK	90	59	99	52	74	9	0.17	-0.19	0.16	4.53	70	10.47	87	89	34	4	0	2	0
ND DICKINSON	89	57	100	50	73	8	0.44	0.11	0.25	9.07	135	14.80	118	86	31	4	0	2	0
ND FARGO	86	59	92	55	72	6	0.02	-0.50	0.02	9.43	120	17.50	122	88	40	2	0	1	0
ND GRAND FORKS	86	60	91	54	73	9	0.05	-0.47	0.02	10.87	138	15.91	118	87	40	2	0	3	0
ND JAMESTOWN	88	62	94	56	76	9	0.24	-0.19	0.22	8.70	112	13.27	101	78	34	2	0	2	0
ND WILLISTON	88	58	100	49	72	6	1.54	1.29	1.17	8.80	158	10.85	101	83	34	3	0	3	1
OH AKRON-CANTON	74	57	81	51	65	-4	0.75	0.03	0.69	8.90	85	22.52	90	96	65	0	0	2	1
OH CINCINNATI	81	60	86	54	70	-2	0.01	-0.68	0.01	12.28	109	31.37	109	95	59	0	0	1	0
OH CLEVELAND	73	58	81	53	65	-3	0.30	-0.47	0.29	10.11	96	24.47	101	94	69	0	0	2	0
OH COLUMBUS	77	60	84	55	69	-1	0.15	-0.63	0.13	14.03	117	29.07	108	94	60	0	0	3	0
OH DAYTON	77	58	84	53	68	-3	0.16	-0.52	0.11	6.89	64	22.09	87	92	59	0	0	3	0
OH MANSFIELD	73	57	80	52	65	-4	0.42	-0.47	0.38	13.34	112	30.71	113	86	61	0	0	3	0

Based on 1961-90 normals

Weather Data for the Week Ending August 30, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE	AVERAGE MINIMUM	TEMP., °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	74	57	84	52	66	-3	1.04	0.32	1.03	8.54	84	25.39	116	97	61	0	0	2	1
OK YOUNGSTOWN	73	54	81	48	64	-4	0.33	-0.41	0.25	9.08	81	19.67	78	97	63	0	0	2	0
OK OKLAHOMA CITY	91	65	98	62	78	-2	0.00	-0.67	0.00	8.82	94	20.13	88	91	43	4	0	0	0
OK TULSA	91	69	98	66	80	1	0.00	-0.81	0.00	18.15	173	29.18	108	84	44	4	0	0	0
OR ASTORIA	89	58	72	51	64	3	2.52	2.14	0.99	8.93	186	50.70	137	93	68	0	0	7	2
OR BURNS	79	41	84	34	60	-2	0.00	-0.14	0.00	1.15	66	6.70	109	82	29	0	0	0	0
OR EUGENE	78	56	81	53	67	0	0.67	0.38	0.31	3.58	120	24.56	90	93	44	0	0	3	0
OR MEDFORD	80	57	85	53	68	-3	0.03	-0.11	0.02	2.81	213	11.39	116	86	41	0	0	2	0
OR PENDLETON	81	56	91	51	68	-2	0.07	-0.07	0.07	1.49	97	5.58	75	73	36	1	0	1	0
OR PORTLAND	78	60	80	56	68	0	1.03	0.73	0.67	4.95	158	28.18	138	96	53	0	0	3	1
OR SALEM	78	57	80	51	67	1	0.58	0.37	0.34	2.72	103	27.30	127	93	48	0	0	2	0
PA ALLENTOWN	78	57	80	50	67	-3	1.30	0.34	1.28	13.80	115	26.36	90	94	54	0	0	3	1
PA ERIE	72	60	79	56	66	-3	0.22	-0.75	0.21	10.28	90	28.15	110	91	70	0	0	2	0
PA MIDDLETOWN	82	63	88	55	72	0	0.10	-0.65	0.08	10.78	101	22.26	82	91	58	0	0	2	0
PA PHILADELPHIA	80	61	84	57	71	-3	0.84	-0.18	0.63	10.13	87	25.72	90	89	48	0	0	2	1
PA PITTSBURGH	75	56	80	51	66	-4	0.41	-0.28	0.17	8.44	80	22.72	89	95	58	0	0	4	0
PA SCRANTON	75	58	78	52	66	-2	0.76	0.02	0.70	8.82	80	18.00	74	93	62	0	0	2	1
PA WILLIAMSPORT	78	57	82	50	67	-2	0.32	-0.42	0.32	9.24	80	18.56	68	97	60	0	0	1	0
RI PROVIDENCE	77	60	81	56	68	-1	1.34	0.51	1.34	9.45	94	26.18	88	96	61	0	0	1	1
SC BEAUFORT	89	69	94	64	79	0	0.18	-1.52	0.18	16.17	80	30.79	81	95	51	3	0	1	0
SC CHARLESTON	88	67	94	60	78	-2	0.31	-1.21	0.31	23.73	117	39.06	103	93	53	2	0	1	0
SC COLUMBIA	92	64	97	58	78	-1	0.08	-1.19	0.08	13.46	83	29.49	81	81	38	5	0	1	0
SC GREENVILLE	89	64	93	60	76	1	0.16	-0.69	0.16	12.96	98	34.01	96	83	42	3	0	1	0
SD ABERDEEN	87	61	89	57	74	7	0.76	0.32	0.78	7.77	98	13.30	92	96	46	0	0	1	1
SD HURON	88	68	92	59	77	8	0.03	-0.38	0.01	10.86	137	18.83	108	86	51	2	0	3	0
SD RAPID CITY	86	61	94	58	73	5	0.43	0.08	0.26	11.12	165	21.94	166	89	53	2	0	4	0
SD SIOUX FALLS	84	63	88	60	74	5	0.93	0.26	0.42	8.37	95	16.40	96	97	58	0	0	5	0
TN BRISTOL	82	56	88	48	69	-4	0.04	-0.83	0.04	10.38	95	32.94	116	99	47	0	0	1	0
TN CHATTANOOGA	89	64	93	56	78	-1	0.00	-0.78	0.00	13.89	116	40.26	111	93	43	4	0	0	0
TN KNOXVILLE	87	63	91	54	75	0	0.00	-0.63	0.00	11.47	98	38.32	117	90	46	1	0	0	0
TN MEMPHIS	91	68	95	60	80	0	0.00	-0.77	0.00	14.94	140	55.12	159	86	43	5	0	0	0
TN NASHVILLE	88	66	91	56	77	0	0.00	-0.77	0.00	13.39	123	37.49	118	92	48	3	0	0	0
TX ABILENE	91	68	94	64	79	-2	0.00	-0.69	0.00	9.67	126	18.72	117	75	32	6	0	0	0
TX AMARILLO	91	63	93	61	77	2	0.00	-0.70	0.00	9.84	104	19.57	131	75	33	6	0	0	0
TX AUSTIN	92	70	94	66	81	-3	0.00	-0.54	0.00	11.91	154	31.18	150	90	39	7	0	0	0
TX BEAUMONT	91	70	93	67	81	-1	0.00	-1.28	0.00	13.09	81	35.36	96	94	51	5	0	0	0
TX BROWNSVILLE	93	74	96	72	83	-1	1.32	0.46	-	3.27	46	17.09	115	94	51	6	0	-	-
TX CORPUS CHRISTI	93	73	97	70	83	-1	0.83	-0.10	0.83	3.63	41	19.50	105	93	51	6	0	1	1
TX DEL RIO	97	74	100	71	86	2	0.02	-0.38	0.02	4.63	84	17.77	153	83	32	7	0	1	0
TX EL PASO	96	69	99	64	82	3	0.10	-0.28	0.10	2.15	57	4.36	81	53	21	7	0	1	0
TX FORT WORTH	93	71	96	67	82	-2	0.00	-0.56	0.00	8.13	110	28.68	127	82	38	6	0	0	0
TX GALVESTON	89	77	91	75	83	0	0.00	-1.14	0.00	3.24	28	30.58	116	80	58	2	0	0	0
TX HOUSTON	92	67	95	64	80	-2	0.00	-0.88	0.00	8.26	69	38.22	129	95	44	5	0	0	0
TX LUBBOCK	93	64	94	62	78	2	0.00	-0.58	0.00	7.10	94	17.19	136	71	28	7	0	0	0
TX MIDLAND	93	67	95	65	80	1	0.00	-0.44	0.00	8.04	164	12.96	139	73	27	6	0	0	0
TX SAN ANGELO	94	68	98	60	81	1	0.00	-0.57	0.00	5.42	103	18.13	143	78	27	7	0	0	0
TX SAN ANTONIO	96	72	97	67	83	0	0.00	-0.65	0.00	7.11	85	20.93	104	93	34	7	0	0	0
TX VICTORIA	94	70	98	68	82	-1	0.52	-0.32	0.38	7.17	65	45.00	189	96	44	7	0	2	0
TX WACO	94	69	98	63	81	-3	0.00	-0.48	0.00	7.56	110	30.63	148	91	33	7	0	0	0
TX WICHITA FALLS	95	67	98	62	81	0	0.00	-0.69	0.00	4.23	56	15.83	82	83	31	6	0	0	0
UT SALT LAKE CITY	96	68	98	62	82	9	0.02	-0.20	0.02	3.20	123	12.06	112	56	19	7	0	1	0
VT BURLINGTON	78	57	79	52	66	1	0.33	-0.58	0.15	10.80	98	20.01	89	96	57	0	0	3	0
VA LYNCHBURG	84	57	89	51	70	-3	0.00	-0.78	0.00	7.81	70	23.38	85	94	41	0	0	0	0
VA NORFOLK	80	65	85	62	72	-4	0.00	-1.02	0.00	8.80	66	20.85	66	91	62	0	0	0	0
VA RICHMOND	86	61	90	58	74	-2	0.00	-0.90	0.00	8.47	66	22.37	76	90	41	1	0	0	0
VA ROANOKE	83	59	89	50	71	-2	0.01	-0.89	0.01	10.22	82	22.42	82	93	43	0	0	1	0
VA WASHINGTON	83	59	87	51	71	-2	0.00	-0.88	0.00	9.06	81	22.55	83	93	48	0	0	0	0
WA HANFORD	84	58	92	52	71	-	0.05	-0.08	0.05	0.71	87	3.83	106	73	34	1	0	1	0
WA OLYMPIA	71	56	78	52	63	1	2.18	1.83	0.93	6.81	180	40.35	145	96	66	0	0	6	2
WA QUILLAYUTE	67	54	72	48	60	1	3.46	2.80	1.82	13.40	165	78.52	132	96	63	0	0	5	2
WA SEATTLE-TACOMA	72	58	80	56	65	0	1.18	0.87	0.51	4.37	130	28.78	142	93	63	0	0	6	1
WA SPOKANE	76	62	89	48	64	-2	0.13	-0.04	0.09	1.85	82	11.98	117	88	33	0	0	3	0
WA YAKIMA	79	52	83	46	65	-2	0.22	0.08	0.18	1.15	107	3.80	78	86	37	0	0	2	0
WV BECKLEY	78	53	80	44	65	-3	0.06	-0.65	0.06	12.09	102	29.33	103	97	58	0	0	2	0
WV CHARLESTON	78	59	83	51	69	-4	0.05	-0.78	0.03	15.32	123	33.27	113	100	62	0	0	2	0
WV ELKINS	77	52	82	45	64	-2	0.10	-0.85	0.10	8.53	65	27.86	90	96	55	0	0	1	0
WV HUNTINGTON	79	59	85	50	69	-3	0.83	0.05	0.41	13.41	113	30.03	104	96	59	0	0	3	0
WI EAU CLAIRE	78	59	82	54	68	2	1.44	0.42	1.41	17.29	138	24.01	107	96	56	0	0	2	1
WI GREEN BAY	73	54	84	49	64	-1	1.29	0.47	1.29	13.36	135	22.14	115	97	66	0	0	1	1
WI MADISON	75	55	83	48	65	-1	0.25	-0.68	0.24	13.37	122	22.82	106	98	72	0	0	2	0
WI MILWAUKEE	72	60	84	56	66	-1	1.03	0.23	0.87	15.49	153	24.15	109	97	74	0	0	3	1
WI CASPER	89	58	94	47	73	7	0.00	-0.14	0.00	3.48	104	8.24	90	71	23	5	0	0	0
WI CHEYENNE	82	57	85	52	69	5	0.18	-0.17	0.08	10.56	182	15.87	140	77	36	0	0	4	0
WI LANDER	80	58	93	51	74	8	0.00	-0.15	0.00	4.12	148	8.89	92	58	18	4	0	0	0
WI SHERIDAN	87	54	94	47	70	5	0.00	-0.22	0.00	6.72	172	12.19	117	83	37	2	0	0	0

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

## National Agricultural Summary

August 25 - 31, 1997

### HIGHLIGHTS

**Lack of precipitation, combined with normal summertime temperatures, provided good harvest weather, but stressed soybeans, cotton, peanuts, and other late-planted crops in the Southeast and Texas. Farther north, widespread showers brought moisture to many dry fields in the Corn Belt and Northeast. Above-normal temperatures in the western Corn Belt**

**and Plains provided much-needed heat and prompted rapid crop development. Small grain harvest in the northern Plains progressed quickly as temperatures were well above-normal. Rainfall improved crop conditions in Pennsylvania and the mid-Atlantic States, yet amounts were limited, and crops continued to be stressed.**

**Corn:** Despite a week of very warm weather, more high temperatures are needed to speed corn development throughout most of the major corn-producing States. Corn doughing reached 84 percent (%) complete, ahead of 71% doughing at this time last year and the 5-year average of 76%. Forty-two percent of the corn acreage was dented, 10 percentage points ahead of 1996 but only 2 points ahead of the average. Corn was mature on 7% of the Nation's acreage, compared with 7% a year ago and the average of 8%. Dry weather in the Southern States provided ideal harvest conditions. Overall, corn condition rated mostly good to fair.

**Soybeans:** Soybean fields also benefited from the much-needed warm weather, but more is needed. Pods were setting on 96% of the acreage, ahead of both 90% in 1996 and the average of 92%. Leaves were dropping on 2% of the national acreage, behind 3% for both 1996 and the average. Soybean condition rated mostly good to fair. Significant condition declines caused by lack of precipitation in the Southeast were offset by improvements in the eastern and central Corn Belt. Soybean fields in Iowa started to show stress from dry soils. In localized areas of Illinois, spider mites and sudden death syndrome turned plants prematurely yellow in a few fields.

**Cotton:** Bolls were opening on 23% of the cotton acreage, behind both 36% in 1996 and the average of 30%. Progress was well ahead of average in California, but well behind normal in Georgia, Mississippi, and Tennessee. Cotton bolls continued to open rapidly under hot, dry conditions in Texas. Many California fields received the final irrigation prior to harvest. In western Arizona, defoliating and harvest became active. Overall, cotton condition remained mostly good to fair. Declining conditions due to dry soils in the Southeast were offset by improving conditions farther west.

**Rice:** Rice condition remained mostly good overall. In Texas, condition improved as weather was favorable and harvest gained momentum. Growers in Arkansas and Mississippi were just beginning to harvest fields. Harvest was

in full swing in Louisiana. Nationwide, rice harvest was 19% complete, behind both the 29% harvested in 1996 and the average of 23%.

**Sorghum:** Fifty-eight percent of the sorghum acreage was turning color, compared with 51% for both 1996 and the average. Twenty-three percent of the acreage was mature, just behind last year and the average. Fields in the central Plains and western Corn Belt matured rapidly due to above-normal temperatures. Nonetheless, sorghum maturity was well behind normal in Arkansas and Texas due to the cool, wet spring. Sorghum harvest was active in the Southern States, while just beginning in southern Kansas. Condition of the sorghum crop remained mostly good.

**Spring Small Grains:** Minnesota and North Dakota farmers took advantage of very warm, dry weather to combine large portions of their spring wheat, barley, and oat acreage. In Idaho, August ended with excellent weather for the small grain harvest. The Montana harvest was slowed somewhat by continued precipitation. Nationally, spring wheat harvest advanced to 69% complete, slightly ahead of last year but well ahead of normal. Barley harvest, at 75% complete, was also ahead of 1996 and the average. Oat harvest reached 91% complete, equal to a year ago but ahead of the average.

**Other Crops:** Peanut harvest was still in its very early stages as Alabama, Georgia, and Texas growers were just entering fields. Dry soils caused peanuts in Florida to wilt and immature pods to shrivel as growers made limited harvest progress. Very little harvest progress was made in South Carolina. Peanut condition declined significantly due to lack of moisture in the Southeast. Very little precipitation has fallen in the area, and soils have dried since the remains of tropical storm Danny swept through the area in late July. In Georgia, irrigation was active to relieve crop stress where facilities were available. Winter wheat seedbed preparation was very active, and planting was underway in several major winter wheat-producing States.

# Crop Progress and Condition

Week Ending August 31, 1997

Corn Percent Dough				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
CO	72	47	88	65
GA	100	100	100	100
IL	87	76	76	87
IN	91	81	78	90
IA	86	59	60	66
KS	97	91	98	91
KY	97	82	96	97
MI	30	24	40	45
MN	84	46	45	60
MO	100	96	95	90
NE	93	84	86	84
NC	100	95	100	96
OH	87	71	63	87
PA	63	56	67	69
SD	77	62	75	67
TX	98	96	100	97
WI	62	43	54	60
ALL	84	68	71	76

These 17 States produced 90% of the 1996 corn crop.

Corn Percent Dented				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
CO	30	4	42	21
GA	99	98	100	100
IL	54	24	33	47
IN	37	14	28	42
IA	43	12	18	33
KS	72	55	73	61
KY	76	44	75	81
MI	5	0	7	15
MN	25	7	12	24
MO	80	65	78	69
NE	41	19	32	40
NC	85	76	95	90
OH	17	10	9	36
PA	27	20	33	27
SD	34	17	29	27
TX	89	75	98	90
WI	8	4	11	22
ALL	42	21	32	40

These 17 States produced 90% of the 1996 corn crop.

Corn Percent Mature				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
CO	0	NA	1	1
GA	95	NA	94	98
IL	4	NA	3	5
IN	3	NA	4	4
IA	0	NA	0	4
KS	17	NA	17	21
KY	21	NA	26	24
MI	0	NA	0	0
MN	0	NA	0	1
MO	22	NA	30	22
NE	0	NA	0	2
NC	66	NA	82	75
OH	0	NA	0	2
PA	4	NA	3	3
SD	6	NA	2	2
TX	60	NA	67	62
WI	0	NA	0	2
ALL	7	NA	7	8

These 17 States produced 90% of the 1996 corn crop.

Soybeans Percent Setting Pods				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AL	73	60	84	76
AR	84	62	82	80
GA	83	73	83	86
IL	98	95	85	94
IN	97	93	87	96
IA	100	100	96	96
KS	96	90	93	90
KY	79	47	81	77
LA	100	92	100	95
MI	100	99	92	89
MN	99	98	98	96
MS	90	86	97	91
MO	95	85	87	86
NE	100	98	98	96
NC	76	52	65	69
OH	100	96	82	96
SC	72	46	70	70
SD	99	97	97	91
TN	73	55	82	79
ALL	96	90	90	92

These 19 States produced 94% of the 1996 soybean crop.

Soybeans Percent Dropping Leaves				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AL	3	0	3	4
AR	1	0	8	5
GA	2	0	3	6
IL	1	0	0	2
IN	5	0	3	3
IA	0	0	0	1
KS	8	6	6	6
KY	1	0	3	6
LA	16	8	21	11
MI	0	0	1	1
MN	0	0	0	1
MS	16	13	26	12
MO	0	0	0	1
NE	1	0	0	2
NC	0	0	0	0
OH	2	0	0	4
SC	5	0	1	0
SD	9	7	11	10
TN	0	0	3	3
ALL	2	1	3	3

These 19 States produced 94% of the 1996 soybean crop.

Cotton Percent Bolls Opening				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AL	20	9	27	22
AZ	67	57	79	79
AR	10	4	28	20
CA	60	35	46	38
GA	10	4	50	33
LA	43	16	57	53
MS	17	12	74	49
MO	15	11	26	15
NM	27	18	34	20
NC	13	9	19	21
OK	2	1	8	7
SC	14	5	18	19
TN	1	0	29	20
TX	22	20	25	25
ALL	23	16	36	30

These 14 States produced 99% of the 1996 cotton crop.

Rice Percent Harvested				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AR	1	0	11	8
CA	10	5	0	0
LA	65	51	73	62
MS	4	0	16	13
TX	35	15	79	60
ALL	19	13	29	23

These 5 States produced 96% of the 1996 rice crop.

# Crop Progress and Condition

Week Ending August 31, 1997

Sorghum Percent Coloring				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AR	80	55	89	88
CO	14	1	39	23
IL	40	14	24	35
KS	52	32	41	33
LA	97	87	98	94
MS	90	85	95	93
MO	66	50	53	56
NE	38	13	24	29
NM	11	1	8	16
OK	56	12	51	47
SD	33	16	35	25
TX	75	68	71	78
ALL	58	42	51	51

These 12 States produced 99% of the 1996 sorghum crop.

Sorghum Percent Mature				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AR	15	NA	44	52
CO	0	NA	5	2
IL	0	NA	0	1
KS	7	NA	5	3
LA	83	NA	87	73
MS	64	NA	84	68
MO	9	NA	8	14
NE	0	NA	0	1
NM	0	NA	0	1
OK	4	NA	21	10
SD	3	NA	7	4
TX	54	NA	60	67
ALL	23	NA	26	27

These 12 States produced 99% of the 1996 sorghum crop.

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	1	8	61	26	4
AR	2	11	33	42	12
GA	4	9	32	49	6
IL	2	9	33	47	9
IN	2	6	30	50	12
IA	3	6	25	54	12
KS	0	5	23	56	16
KY	2	8	40	43	7
LA	3	16	26	50	5
MI	2	6	25	50	17
MN	3	4	32	53	8
MS	2	6	20	57	15
MO	5	16	39	34	6
NE	2	11	33	47	7
NC	3	5	23	63	6
OH	1	5	25	49	20
SC	1	10	24	55	10
SD	1	6	18	47	28
TN	1	5	26	49	19
ALL	2	8	29	49	12
Prev Wk	2	8	30	48	12
Prev Yr	3	10	30	46	11

Oats Percent Harvested				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	100
MI	99	93	84	82
MN	90	68	96	88
NE	100	100	100	100
ND	79	48	70	60
OH	100	96	100	100
PA	91	86	91	91
SD	96	90	99	97
WI	90	76	93	86
ALL	91	78	91	86

These 9 States produced 56% of the 1996 oat crop.

Peanuts Percent Harvested				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
AL	1	0	2	NA
FL	9	4	5	NA
GA	1	0	1	NA
NC	0	0	0	NA
OK	0	0	0	NA
SC	7	6	5	NA
TX	1	0	0	NA
VA	0	0	0	NA
ALL	1	0	1	NA

These 8 States produced 99% of the 1996 peanut crop.

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	9	58	27	6
FL	0	1	34	63	2
GA	2	11	32	46	9
NC	1	11	54	33	1
OK	0	2	33	62	3
SC	0	1	17	73	9
TX	4	11	20	48	17
VA	4	7	35	42	12
ALL	2	9	35	45	9
Prev Wk	0	7	30	50	13
Prev Yr	1	8	34	51	6

Barley Percent Harvested				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
ID	66	50	66	63
MN	80	46	59	67
MT	56	34	69	48
ND	81	52	74	69
SD	91	79	98	96
WA	94	77	82	83
ALL	75	50	72	65

These 6 States produced 82% of the 1996 barley crop.

Spring Wheat Percent Harvested				
	Aug 31 1997	Prev Week	Prev Year	5-Yr Avg
ID	61	42	67	61
MN	72	35	54	49
MT	56	34	78	47
ND	69	36	60	45
SD	94	78	98	90
ALL	69	41	68	52

These 5 States produced 96% of the 1996 spring wheat crop.

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	2	21	51	26
CA	0	0	50	50	0
LA	0	2	28	60	10
MS	0	2	8	71	19
TX	0	6	55	31	8
ALL	0	2	30	52	16
Prev Wk	0	2	31	53	14
Prev Yr	0	2	15	61	22

# Crop Progress and Condition

Week Ending August 31, 1997

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	4	7	26	50	13
GA	0	4	24	66	6
IL	3	12	37	41	7
IN	3	9	32	46	10
IA	2	8	26	53	11
KS	1	10	20	48	21
KY	5	17	43	32	3
MI	3	11	32	42	12
MN	2	3	20	54	21
MO	7	20	36	31	6
NE	3	7	26	49	15
NC	7	9	32	49	3
OH	1	6	25	50	18
PA	10	22	37	28	3
SD	0	5	18	46	31
TX	1	5	21	51	22
WI	0	3	13	52	32
ALL	3	8	27	48	14
Prev Wk	2	8	27	48	15
Prev Yr	3	9	26	45	17

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	1	18	55	24	2
AZ	0	2	9	51	38
AR	0	19	37	38	6
CA	0	0	0	60	40
GA	2	11	27	49	11
LA	3	11	39	43	4
MS	3	6	26	53	12
MO	2	19	30	43	6
NM	0	2	22	51	25
NC	4	13	27	52	4
OK	0	1	19	72	8
SC	1	7	27	60	5
TN	2	7	29	52	10
TX	1	10	33	49	7
ALL	1	10	29	49	11
Prev Wk	2	10	28	49	11
Prev Yr	3	10	28	43	16

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	13	46	36	3
CO	0	1	8	63	28
IL	5	15	32	46	2
KS	0	6	20	58	16
LA	0	3	38	58	1
MS	1	6	25	63	5
MO	5	13	35	41	6
NE	3	11	37	40	9
NM	1	3	36	60	0
OK	0	1	8	87	4
SD	0	1	12	72	15
TX	0	5	27	58	10
ALL	1	6	25	56	12
Prev Wk	1	5	24	59	11
Prev Yr	3	5	20	53	19

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

Pasture and Range Crop Condition by Percent											
Week Ending August 31, 1997											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	9	49	36	5	NH	0	5	23	72	0
AZ	5	16	40	37	2	NJ	0	0	40	60	0
AR	3	21	41	33	2	NM	1	4	20	60	15
CA	15	15	30	40	0	NY	0	42	40	18	0
CO	1	3	30	43	23	NC	10	19	37	33	1
CT	0	0	13	87	0	ND	13	32	34	21	0
DE	10	29	46	14	1	OH	2	7	32	49	10
FL	0	0	30	55	15	OK	0	5	19	66	10
GA	5	13	37	42	3	OR	10	4	36	35	15
ID	0	3	23	54	20	PA	10	20	50	20	0
IL	5	17	34	39	5	RI	0	0	10	60	30
IN	5	14	34	41	6	SC	5	32	42	19	2
IA	11	25	36	25	3	SD	1	4	22	53	20
KS	3	6	27	54	10	TN	2	14	36	43	5
KY	6	20	42	29	3	TX	3	14	43	35	5
LA	1	7	41	48	3	UT	3	3	14	60	20
ME	2	32	37	21	8	VT	0	18	47	31	4
MD	19	24	32	25	0	VA	20	34	35	11	0
MA	2	7	28	31	32	WA	18	8	28	38	10
MI	3	20	41	32	4	WV	1	4	36	55	4
MN	4	12	31	48	5	WI	1	3	19	57	20
MS	1	6	26	57	10	WY	0	2	15	62	21
MO	7	24	42	23	4	ALL	5	14	33	40	8
MT	3	10	31	44	12						
NE	10	24	30	34	2	Prev Wk	4	14	32	42	8
NV	0	0	20	72	8	Prev Yr	4	16	32	41	7

National crop conditions for selected States are weighted based on 1996 planted acres.

## State Agricultural Summaries

*These summaries, issued weekly through the summer growing season, 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. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waobljwaf>.*

**ALABAMA:** Days suitable for fieldwork 6.8. Topsoil 13% very short, 60% short, 26% adequate, 1% surplus. Corn dented 99%, 100% 1996, 98% avg.; mature 82%, 85% 1996, 84% avg.; harvested 36%, 31% 1996, 31% avg.; 8% poor, 32% fair, 45% good, 15% excellent. Livestock 4% poor, 34% fair, 57% good, 5% excellent. Many areas needed additional moisture for row-crop development.

**ALASKA:** Days suitable for hay/grain harvest 3. Days available for potato harvest 5. Topsoil, subsoil 5% short, 95% adequate. Wind or rain damage to crops 80% none, 10% light, 10% moderate. Second-crop hay harvest 10% complete, slightly ahead of 1996. Barley harvest 30% complete, 5% 1996. Oats 15% harvested, 5% 1996 season. Commercial potato harvest stood at 10%.

**ARIZONA:** Cotton defoliating, harvesting becoming active in the west. Alfalfa harvest activity 33% light, 15% moderate, 33% active, 19% not being harvested. Some rain damage reported. Condition 7% fair, 77% good, 16% excellent. Cantaloupe, honeydews, specialty melons, carrots shipped from central area. Red, Golden Delicious apple picking, chile pepper harvesting continued in east. Range conditions improved slightly with August rains. Mid-elevation, high-elevation pastures reported mostly fair to good conditions. Low-elevation pastures were mostly fair. Some ranchers talking about weaning calves early. Livestock reported in fair to good condition. Soil moisture was short in most all areas, stock water was short to adequate. Insect damage was reported as very light.

**ARKANSAS:** Days suitable for fieldwork 7. Weather has been hot, humid, quite dry. Soil moisture 10% very short, 54% short, 35% adequate 1% surplus. Main farming activities: harvesting hay, corn, sorghum, draining, harvesting rice, irrigating soybeans. Other farm activities included soybean pest control, cotton irrigation, cotton pest control. Corn 2% poor, 27% fair, 48% good, 23% excellent. Alfalfa hay 12% poor, 28% fair, 56% good, 4% excellent. Other hay 2% very poor, 18% poor, 37% fair, 41% good, 2% excellent. Pasture feed 3% very poor, 21% poor, 41% fair, 33% good, 2% excellent.

**CALIFORNIA:** Field activities progressed normally under favorable conditions in most areas. Ground preparation for seeding next year's small grain, winter forage crops was ongoing. Forage mixes, oats continued to emerge in central, southern counties. Rice was maturing rapidly in the Sacramento, San Joaquin valleys. Rice harvest was active in some fields, as development remained well ahead of normal. Cotton bolls were opening in most areas. Many fields received final irrigation. Cotton growers were actively spraying for aphids, lygus, mites, white flies, and worms. Black eye bean harvest began in the southern San Joaquin Valley. Alfalfa, sugar beets were treated for worms. Harvests of corn for grain and silage, garbanzo beans, seed alfalfa, safflower, sugar beets, sunflowers continued. Alfalfa, sudan grass were cut for hay or green chopped. Harvest of early variety walnuts began in the southern, central San Joaquin Valley. Almond harvest continued, gained momentum. Plums, peaches, nectarines continued to be harvested for the fresh market. Prunes were harvested for dehydration. Harvest of table grapes continued. Raisin grape harvest expanded as raisin trays began to be picked up. Grape harvest for wine, juice processing continued. Granny Smith, other varieties of apples were picked. Asian pear, Bartlett pear, pomegranate harvesting continued. Lemons, navel oranges were harvested. Olive packers were preparing for the harvest of an early olive crop. Lettuce, broccoli were harvested in the coastal areas. Harvest of processing, fresh market tomatoes continued. Some rain damaged processing tomato fields in Yolo County remained unharvested. Large quantities of sweet corn, onions were harvested in Santa Clara, San Benito Counties. Harvest of garlic for both fresh, processing uses continued in Fresno County. Onion harvest began to slow in Fresno County. Sweetpotato harvest continued in the San

Joaquin Valley. Harvesting of melons continued in the Sacramento Valley. Carrot harvest in Kern, Kings Counties continued. Potato harvest was complete in Kern County. Ground preparation for fall vegetable planting in the Imperial, San Joaquin Valleys progressed normally. Other crops harvested were cabbage, radishes, vineseed, eggplant, squash, okra, and green beans. Rangeland forage was in generally poor condition. Normal grazing was depleting existing feed supplies, supplemental feeding was required. Livestock were moved to high-elevation ranges or to irrigated pastures. Overall, range animals were in good condition after the week's cooler temperatures. Cows were beginning to calf in Stanislaus County.

**COLORADO:** Days suitable for fieldwork 5.9. Topsoil 5% very short, 25% short, 63% adequate, 7% surplus. Subsoil 8% very short, 26% short, 58% adequate, 8% surplus. With drier conditions existing over much of the State, harvesting, fieldwork progressed. Spring barley 83% harvested, 90% 1996, 66% avg. Oats 93% harvested, 73% 1996, 65% avg. Spring wheat 95% turning color, 100% 1996, 95% avg.; 39% harvested, 76% 1996, 50% avg.; 7% poor, 22% fair, 51% good, 20% excellent. Summer potatoes 37% harvested, 45% 1996, 48% avg.; 11% poor, 31% fair, 43% good, 15% excellent. Dry onion 28% harvested, 52% 1996, 36% avg.; 9% poor, 16% fair, 65% good, 10% excellent. Sugar beets 1% very poor, 4% poor, 13% fair, 72% good, 10% excellent. Dry beans 23% cut, 19% 1996, 12% avg.; 16% threshed, 8% 1996, 7% avg.; 2% very poor, 9% poor, 30% fair, 46% good, 13% excellent. Alfalfa 94% 2nd cutting, 95% 1996, 84% avg.; 36% 3rd cutting, 33% 1996, 27% avg.; 2% very poor, 6% poor, 28% fair, 51% good, 13% excellent.

**DELAWARE:** Days suitable for fieldwork 5.5. Topsoil 36% short, 62% adequate, 2% surplus. Subsoil 8% very short, 38% short, 54% adequate. Corn 11% very poor, 24% poor, 28% fair, 36% good, 1% excellent. Field corn 82% dough, 89% 1996, 88% avg.; 67% dent, 65% 1996, 63% avg.; 23% mature, 17% 1996, 17% avg.; 23% harvested for silage, 20% 1996, 33% avg. Soybeans 4% very poor, 22% poor, 35% fair, 38% good, 1% excellent; 80% bloomed, 68% 1996, 86% avg.; 63% setting pods, 69% 1996, 67% avg. Sorghum 7% poor, 35% fair, 58% good; 87% headed, 99% 1996, 94% avg.; 13% turning color, 20% 1996, 12% avg. Tomatoes 70% harvested, 85% 1996, 80% avg. Cucumbers 96% harvested, 87% 1996, 88% avg. Snap beans 71% harvested, 77% 1996, 84% avg. Lima beans 55% harvested, 33% 1996, 41% avg. Sweet corn 87% harvested, 84% 1996, 91% avg. Potatoes 95% harvested, 86% 1996, 84% avg. Apples 6% poor, 32% fair, 62% good; 53% harvested, 34% 1996, 26% avg. Cantaloupes 83% harvested, 89% 1996, 87% avg. Watermelons 80% harvested, 82% 1996, 82% avg. Peaches 90% harvested, 93% 1996, 88% avg. Hay supplies 21% very short, 32% short, 47% adequate. Clover, other hays 86% 3rd cutting harvested, 72% 1996, 61% avg.; 12% 4th cutting, 9% 1996, 2% avg. Alfalfa 98% 3rd cutting harvested, 82% 1996, 92% avg.; 17% 4th cutting, 16% 1996, 15% avg. Pasture feed 10% very poor, 29% poor, 46% fair, 14% good, 1% excellent. Activities: Crop conditions are improving with the continued rainfall.

**FLORIDA:** Topsoil moisture was mostly short to adequate in the Panhandle, and northern and central Peninsula. In the southern Peninsula, soil moisture was adequate to surplus. The sugarcane growth was normal. Tobacco marketing was active. Dry weather was good for haying and corn harvest. Cotton and soybeans were making very good growth. Peanuts were wilting during the day, and immature pods were beginning to shrivel in some areas. Nine percent of the peanut crops were harvested. Peanut condition was poor 1%, fair 34%, good 63%, and excellent 2%. In the Palmetto-Ruskin region, the tomato crop was in fair to good condition; transplanting is expected to continue in the next 2 to 3 weeks. Tomato plant growth was slow due to high

temperatures; some very small patches were re-set due to loss from heat. Workers continued to make first ties and scheduled spray applications in tomato fields. Planting of cucumbers, peppers, squash, and plum tomatoes was gaining momentum, with all in fair to good condition. Cherry tomato planting was slowing, with some re-set due to loss from heat. Planting of watermelons and eggplant was also slowing. In the east coast, tomato, pepper, eggplant, cherry tomato, and plum tomato plantings were active. Wet soils delayed some laying of plastic. Heat was causing stress. In the southwest, the tomato crop condition was fair to good, with hot weather slowing some growth. Workers were staking, spraying, and laying plastic for tomato transplanting. Crop condition of eggplant, peppers, cherry, and plum tomatoes was fair to good, and planting was gaining momentum. In Dade County, wet weather was delaying the making of plant beds. A small tomato acreage was expected to be planted in about 10 days; most growers were expected to begin in late September. Snap bean planting was expected to begin before mid-month, and squash about mid-month. Okra harvesting continued with good quality and yield. In the Zellwood area, sweet corn planting was active, and rain delayed some field preparations. In Sumter County, growers prepared land for planting. In Quincy area, tomato condition was good, with harvesting expected to begin in late September or early October. Well cared for citrus was in very good to excellent condition. Soil moisture was adequate, and new growth was abundant. New crop fruit was progressing well. New grapefruit picking was underway. Packing was expected the first week of September. Maturity testing occurred for most early fruit. Caretakers were cutting cover crops, spraying, fertilizing, working on ditches, and resetting new trees. Pasture feed condition was fair 30%, good 55%, and excellent 15%. Condition of cattle was fair 15%, good 70%, and excellent 15%. Pastures in the north needed rain because very mature bahia grass pastures were reported to be in poor quality. Mosquitoes were bad in east-central counties. In the west-central areas, pastures received much-needed rain, and grasshoppers were active. Cattle condition was good to excellent.

**GEORGIA:** Days suitable for fieldwork 6.6. Soil moisture 24% very short, 49% short, 27% adequate. Corn 44% harvested for grain, 51% 1996, 53% avg. Hay 4% very poor, 8% poor, 33% fair, 51% good, 4% excellent. Peanuts 2% dug, 3% 1996, 5% avg. Sorghum 1% very poor, 8% poor, 25% fair, 63% good, 3% excellent; 12% harvested for grain, 19% 1996, 17% avg. Soybeans 96% blooming, 96% 1996, 98% avg. Tobacco 4% poor, 44% fair, 49% good, 3% excellent; 97% harvested, 87% 1996, 92% avg. Watermelons 98% harvested, 98% 1996, 99% avg. Apples 3% very poor, 10% poor, 32% fair, 43% good, 12% excellent; 43% harvested, 20% 1996, 27% avg. Pecans 1% very poor, 10% poor, 33% fair, 51% good, 5% excellent. Lack of rainfall caused soil moisture levels to drop. Many areas received no rainfall, most locations that did get showers, received under 1.00 in. Crop conditions declined during the week. Cotton, soybeans, peanuts are in critical stages of development. Moisture urgently needed, irrigating very active to relieve crop stress where facilities available. Activities: Mowing pastures to control weeds, harvesting hay, spraying insecticides on soybeans; late cotton, scouting cotton, plowing tobacco stalks.

**HAWAII:** Warm weather continued. Most crops made normal progress. Trade wind showers aided growth to crops in windward sections. Irrigation heavy to ensure growth. Increased insect activity. Banana good condition, adequate soil moisture. Production steady. Papaya harvesting active. Watermelon harvesting very active, excellent condition. Head cabbage adversely affected by warm weather. Increased irrigation, stepped up spraying. Tomato harvesting moderate, good condition.

**IDAHO:** Days suitable for fieldwork 6.6. Topsoil 1% surplus, 77% adequate, 21% short, 1% very short. August ended with excellent weather for small grain harvest, fall field work. Winter wheat harvested 90%, 95% 1996, 83% avg. Winter wheat 18% excellent, 69% good, 11% fair, 2% poor. Potatoes turning (vines senescent) 62%, 48% 1996, 65% avg.; vines dying/killed 19%, 10% 1996, 39% avg.; harvested 3%, 4% 1996, 4% avg. Potato 7% excellent, 59% good, 31% fair, 3% poor. Alfalfa hay harvested (2nd cutting) 95%, 91% 1996, 91% avg.; 3rd cutting 36%, 28% 1996, 30% avg. Oats harvested for grain 64%, 53% 1996, 61% avg. Dry peas harvested 80%, 77% 1996, 72% avg. Lentils harvested 45%, 49% 1996, 57% avg. Peaches harvested 74%, 56%

1996, 66% avg. Dry beans harvested 6%, 20% 1996, 16% avg. Hops harvested 13%, 4% 1996, 28% avg. Prunes, plums harvested 48%, 41% 1996, 45% avg. Apples harvested 5%, 2% 1996, 4% avg. Mint harvested 75%, 87% 1996, 92% avg. Sweet corn harvested 54%, 35% 1996, 46% avg. Onions harvested 13%, 21% 1996, 21% avg. Corn harvested for silage 2%, 0% 1996, 2% avg. Irrigation water supply 42% excellent, 54% good, 4% fair. Activities: Inspecting, spraying potatoes for late blight, killing potato vines, harvesting hay, small grains, irrigating, preparing fields for fall grain seeding, straw management.

**ILLINOIS:** Days suitable for fieldwork 5.4. Topsoil 3% very short, 22% short, 74% adequate, 1% surplus. Crop conditions remained stable with last week's near-average temperatures, precipitation. More sunshine, warm weather is still needed to aid crop development. Spider mites in soybean fields have given way to sudden death syndrome in localized areas, where plants are prematurely turning yellow. Humid, hazy weather has made hay baling difficult. Other farm activities last week included mowing roadsides, working with livestock, preparing machinery, bins for harvest, and attending demonstration plot tours. Soybeans turning yellow 7%, 2% 1996, 9% avg. Alfalfa hay third cutting 57%, 55% 1996, 63% avg.

**INDIANA:** Days suitable for fieldwork 5.8. Topsoil 3% very short, 22% short, 69% adequate, 6% surplus. Subsoil 6% very short, 25% short, 63% adequate, 6% surplus. Crops need warm sunny weather to speed development. Range, pasture feed 5% very poor, 14% poor, 34% fair, 41% good, 6% excellent. Third cutting of alfalfa 42% complete. Activities: Baling hay, spraying weeds, mowing pastures, roads, preparing equipment for fall harvest, caring for livestock.

**IOWA:** Days suitable for fieldwork 6.1. Topsoil very short 17%, short 37%, adequate 45%, surplus 1%. Subsoil very short 14%, short 41%, adequate 44%, surplus 1%. Crop conditions decreased again slightly over the past week. Dry weather stress is starting to show. Corn dough stage 86%, 60% 1996, 66% avg.; dent stage 43%, 18% 1996, 33% avg. Soybean leaves turning color 8%, 3% 1996, 9% avg. Alfalfa hay 3rd harvest 51% complete, 42% 1996, 43% avg.; clover hay 2nd harvest 88%, 84% 1996, 85% avg. Eastern, central districts reported damage being done by clover worms, grasshoppers. Corn 2% very poor, 8% poor, 26% fair, 53% good, 11% excellent. Soybean 3% very poor, 6% poor, 25% fair, 54% good, 12% excellent. Hay 6% very poor, 22% poor, 35% fair, 33% good, 4% excellent. Livestock generally in good condition although heat, humidity stressing some hogs, cattle. Reports of short pastures in eastern portion of the State. Pasture feed 11% very poor, 25% poor, 36% fair, 25% good, 3% excellent.

**KANSAS:** Days suitable for fieldwork 5.7. Topsoil 2% very short, 25% short, 70% adequate, 3% surplus. Subsoil 3% very short, 20% short, 75% adequate, 2% surplus. Sorghum headed 97%, 99% 1996, 91% avg. Sunflowers 4% very poor, 10% poor, 25% fair, 54% good, and 7% excellent. Sunflowers begin to petal 95%; bloom 80%. Alfalfa 3rd cut 97%, 97% 1996, 95% avg.; 4th cut alfalfa 40%, 34% 1996, 25% avg. Stock water supplies 2% very short, 11% short, 84% adequate, 3% surplus. Major field activities: Working wheat stubble, fertilizing, cutting hay, preparing for row-crop harvest. Harvest of corn silage, corn for grain, sorghum for grain has begun in the southeast, south central.

**KENTUCKY:** Days suitable for fieldwork 5.3. Topsoil 11% very short, 32% short, 55% adequate, 2% surplus. Subsoil 10% very short, 34% short, 54% adequate, 2% surplus. Burley tobacco cut 22%, 34% 1996, 40% avg. Dark tobacco cut 38%, 44% 1996, 55% avg.; 6% very poor, 18% poor, 38% fair, 32% good, 6% excellent. Hay 6% very poor, 24% poor, 40% fair, 27% good, 3% excellent. Pasture feed 6% very poor, 20% poor, 42% fair, 29% good, 3% excellent.

**LOUISIANA:** Days suitable for fieldwork 6.8. Soil moisture 5% very short, 42% short, 52% adequate, 1% surplus. Corn 3% poor, 14% fair, 69% good, 14% excellent; 100% mature, 100% 1996, 99% avg.; 85% harvested, 78% 1996, 70% avg. Corn harvest made excellent progress with the dry weather. Cotton 0% harvested, 0% 1996, 0% avg. Farmers geared up for the upcoming harvest and sprayed for insects. Hay 90% second cutting, 82% 1996, 70% avg. Harvest was very active with the dry weather. Rice 96% headed, 98% 1996, 97% avg.; 76% ripe, 86% 1996, 80% avg. Harvest was in full swing. Sorghum 39%

harvested; 53% 1996, 40% avg. Soybeans 34% turning color, 36% 1996, 22% avg.; 1% harvested, 0% 1996, 0% avg. Spraying selected fields for stink bugs was active on later varieties. A few fields of early varieties were harvested, growers salted some fields to accelerate maturity, speed harvest. Sugarcane 2% poor, 14% fair, 59% good, 25% excellent; 39% planted, 8% 1996, 20% avg. Farmers planted in earnest, made excellent progress with the drier weather. Sweetpotatoes 2% poor, 39% fair, 55% good, 4% excellent; 18% harvested, 15% 1996, 17% avg. Harvest was slow, bruising was a problem from the dry soils. Livestock 4% poor, 30% fair, 61% good, 5% excellent. Vegetables 5% very poor, 15% poor, 49% fair, 30% good, 1% excellent. Irrigation was active on cabbage, cucumbers.

**MARYLAND:** Days suitable for fieldwork 6.0. Topsoil 4% very short, 30% short, 63% adequate, 3% surplus. Subsoil 18% very short, 32% short, 48% adequate, 2% surplus. Corn 39% very poor, 21% poor, 20% fair, 19% good, 1% excellent. Field corn 83% dough, 76% 1996, 78% avg.; 53% dent, 43% 1996, 49% avg.; 7% mature, 9% 1996, 12% avg. Soybeans 20% very poor, 23% poor, 32% fair, 21% good, 4% excellent; 95% bloomed, 78% 1996, 90% avg.; 82% setting pods, 76% 1996, 75% avg.; 10% turned, 0% 1996, 4% avg. Sorghum 29% very poor, 14% poor, 11% fair, 39% good, 7% excellent; 91% headed, 94% 1996, 96% avg. Sweet corn 87% harvested, 81% 1996, 85% avg. Cucumbers 85% harvested, 90% 1996, 87% avg. Lima beans 15% harvested, 24% 1996, 29% avg. Snap beans 78% harvested, 87% 1996, 86% avg. Tobacco 1% poor, 11% fair, 76% good, 12% excellent; 94% topped, 91% 1996, 89% avg.; 67% harvested, 72% 1996, 52% avg. Apples 6% very poor, 7% poor, 35% fair, 40% good, 12% excellent; 17% harvested, 13% 1996, 16% avg. Cantaloupes 95% harvested, 91% 1996, 91% avg. Peaches 88% harvested, 89% 1996, 83% avg. Watermelons 92% harvested, 81% 1996, 85% avg. Tomatoes 89% harvested, 78% 1996, 80% avg. Hay supplies 26% very short, 28% short, 44% adequate, 2% surplus. Alfalfa hay 70% 3rd cutting, 81% 1996, 88% avg.; 16% 4th cutting, 20% 1996, 24% avg. Clover, other hays 89% 2nd cutting, 96% 1996, 95% avg.; 31% 3rd cutting, 36% 1996, 41% avg. Activities: Crop conditions are improving with the continued rains.

**MICHIGAN:** Days suitable for fieldwork 5.5. Field crops need heat degree days soon for further growth progress; this is a major concern for growers. Topsoil 1% very short, 14% short, 82% adequate, 2% surplus. Subsoil 1% very short, 25% short, 72% adequate, 2% surplus. All hay, second cutting harvested 95% 1997, 92% 1996, 90% avg. All hay 3rd cutting harvested 30% 1997, 29% 1996, 33% avg. All hay crop 3% very poor, 19% poor, 41% fair, 32% good, 5% excellent. Corn, milk 82% 1997, 90% 1996, 90% avg. Dry beans leaves turning 41% 1997, 31% 1996, 37% avg. Pasture feed 3% very poor, 20% poor, 41% fair, 32% good, 4% excellent.

**MINNESOTA:** Days suitable for fieldwork 5.5. Topsoil 1% very short, 11% short, 82% adequate, 6% surplus. Corn 84% dough, 45% 1996, 60% avg.; 25% denting, 12% 1996, 24% avg.; 0% mature, 0% 1996, 1% avg. Soybeans 9% turning yellow, 8% 1996, 11% avg.; 0% shedding leaves, 0% 1996, 1% avg. Spring wheat 72% harvested, 54% 1996, 49% avg. Oats 90% harvested, 96% 1996, 88% avg. Barley 80% harvested, 59% 1996, 67% avg. Rye 25% seeded, 22% 1996, 19% avg. Winter wheat 15% seeded, 19% 1996, 16% avg. Sweet corn 64% harvested, 56% 1996, 49% avg. Potatoes 8% harvested, 9% 1996, 8% avg. Flax 0% harvested, 0% 1996, 4% avg. Dry beans 7% harvested, 8% 1996, 4% avg. Stubble plowed 30%, 31% 1996, 20% avg. Pasture feed 4% very poor, 12% poor, 31% fair, 48% good, 5% excellent. Corn 2% very poor, 3% poor, 20% fair, 54% good, 21% excellent. Soybeans 3% very poor, 4% poor, 32% fair, 53% good, 8% excellent. Dry beans 2% very poor, 7% poor, 33% fair, 41% good, 17% excellent. Sunflowers 3% very poor, 24% poor, 25% fair, 46% good, 2% excellent. Sugar beets 1% very poor, 5% poor, 19% fair, 64% good, 11% excellent.

**MISSISSIPPI:** Days suitable for fieldwork 6.7. Soil moisture 5% very short, 40% short, 53% adequate, 2% surplus.; corn 96% dent, 100% 1996, 98% avg.; 84% mature, 89% 1996, 80% avg.; 26% grain harvested, 36% 1996, 27% avg.; 79% silage harvested, 89% 1996, 77% avg.; 2% very poor, 6% poor, 22% fair, 58% good, 12% excellent. Soybeans 97% blooming, 100% 1996, 99% avg.; 90% setting pods, 97% 1996, 91% avg.; 28% turning color, 43% 1996, 28% avg.; 16%

shedding leaves, 26% 1996, 12% avg.; 2% very poor, 6% poor, 20% fair, 57% good, 15% excellent. Peaches 99% harvested, 100% 1996, 100% avg. Sweetpotatoes 4% harvested, 22% 1996, 20% avg.; 1% poor, 19% fair, 73% good, 7% excellent. Watermelons 99% harvested, 99% 1996, 99% avg. Hay (warm season) 85% harvested, 88% 1996, NA avg.; 2% very poor, 6% poor, 25% fair, 58% good, 9% excellent. Cattle 1% very poor, 3% poor, 20% fair, 62% good, 14% excellent. Pasture feed 1% very poor, 6% poor, 26% fair, 57% good, 10% excellent. Activities: Main activities for the week were preparing farm machinery, harvesting hay, corn.

**MISSOURI:** Days suitable for fieldwork 6.6. Topsoil 8% very short, 38% short, 53% adequate, 1% surplus. Soybean, sorghum, corn crop conditions reported similar to last week, as the benefits from weekend showers had not yet been realized at the time of reporting. Soybean development is most advanced in the northern third of the State with 95% or more podding. Corn is most advanced in the Bootheel, where 69% has reached maturity, 10% has been harvested, while in the northern third of the State, approximately 10% of the crop was mature, harvesting has not yet begun. Third crop alfalfa 80%, 80% 1996, 77% avg. Pasture feed 7% very poor, 24% poor, 42% fair, 23% good, 4% excellent.

**MONTANA:** Days suitable for fieldwork 5.2. Topsoil 7% very short, 33% short, 58% adequate, 2% surplus. Subsoil 9% very short, 32% short, 58% adequate, 1% surplus. Corn for silage harvested 5%, 8% 1996, 6% avg. Winter wheat 98% ripe, 100% 1996, 97% avg.; harvested 88%, 97% 1996, 78% avg. Some areas of the State continued to receive moisture that was slowing harvest of small grains, baling of hay on the ground. Oats ripe 86%, 94% 1996, 77% avg.; harvested 52%, 73% 1996, 50% avg.; 3% very poor, 8% poor, 34% fair, 49% good, 6% excellent. Dry beans harvested 17%, 7% 1996, 6% avg. Alfalfa hay 2nd cutting 70% complete, 80% 1996, 71% avg. Other hay cutting 93% complete, 99% 1996, 91% avg.

**NEBRASKA:** Days suitable for fieldwork 6.6. Subsoil 13% very short, 40% short, 45% adequate, 2% surplus. Topsoil 13% very short, 36% short, 49% adequate, 2% surplus. Above-normal temperatures last week provided crops with heat units needed to push development toward maturity. Corn 3% very poor, 7% poor, 26% fair, 49% good, 15% excellent. Irrigated corn 76% good to excellent, dryland corn 42% good to excellent; 93% in dough, 86% 1996, 84% avg.; 41% dented, 32% 1996, 40% avg. Soybean 2% very poor, 11% poor, 33% fair, 47% good, 7% excellent; 10% turning color, 2% 1996, 11% avg, 1% dropped leaves, 0% 1996 2% avg. Sorghum 3% very poor, 11% poor, 37% fair, 40% good, 9% excellent; 38% turning color, 24% 1996, 29% avg. Dry bean 5% poor, 31% fair, 54% good, 10% excellent; 54% turning color 70% 1996, 17% dropped leaves, 19% 1996. Alfalfa 8% very poor, 22% poor, 35% fair, 32% good, 3% excellent; 66% 3rd cutting, 67% 1996, 66% avg. Pasture feed 10% very poor, 24% poor, 30% fair, 34% good, 2% excellent. Some supplemental feeding. Some haying or grazing CRP acres in northeast, southeast, south-central, central parts of the State.

**NEVADA:** Irrigation water supplies adequate. Pasture feed, range forage conditions mostly good. Alfalfa 2nd cutting complete; 3rd cutting advancing in northern valleys. Third cutting complete extreme south. Other hay harvest nearing completion. Alfalfa seed harvest underway; post harvest burning of fields underway in Lovelock area. Winter wheat harvest complete. Spring wheat, barley harvests well along. Garlic harvest well along, onion harvest gaining momentum. Potato digging for processing use commenced. Mint cutting began in Orovalda. Main farm, ranch activities: haying, alfalfa seed harvest, spring grain harvest, bulb harvests, irrigating, spraying.

**NEW ENGLAND:** Days suitable for fieldwork 5.0. Topsoil 1% very short, 4% short, 74% adequate, 21% surplus. Subsoil 1% very short, 5% short, 77% adequate, 17% surplus. Pasture feed 1% very poor, 16% poor, 37% fair, 38% good, 8% excellent. Maine's potatoes good to excellent. Massachusetts' potatoes 50% harvested, 45% 1996, 35% avg.; good. Rhode Island's potatoes 30% harvested, 20% 1996, 30% avg.; good to excellent. Maine's oats: 5% harvested, 20% 1996, 40% avg.; good to excellent. Maine's barley: 5% harvested, 40% 1996, good to excellent. Field corn good to fair. Sweet corn 70% harvested, 75%

1996, 70% avg.; good to fair. Shade tobacco 99% harvested, 90% 1996; fair to good. Broadleaf tobacco 99% harvested, 80% 1996; fair to good. First-cut hay 99% harvested, 99% 1996, 99% avg.; good to fair. Second-cut hay 75% harvested, 70% 1996, 75% avg.; good to fair. Third-cut hay 30% harvested, 30% 1996, 30% avg.; good. Apples 10% harvested, 15% 1996, 10% avg.; fruit size avg. to above avg.; good to excellent. Peaches 65% harvested; 85% 1996, fruit size avg.; good to fair. Pears 10% harvested, 15% 1996; fruit size avg. to below avg.; good. Cranberries fruit size avg.; good to excellent. Highbush blueberries: 90% harvested, 95% 1996; fruit size avg. to above avg.; good to excellent. Wild blueberries 95% harvested; 95% 1996, fruit size avg.; good to excellent. Another week with beneficial rain improved crop, soil conditions. Major farm activities: Harvesting cabbage, lettuce, zucchini, summer squash, green beans, peppers, tomatoes, sweet corn, potatoes, oats, barley, early apples, peaches, pears; spreading manure, fertilizer on cut fields; cutting hay; spraying for weed, insect control.

**NEW JERSEY:** Days suitable for fieldwork 6. Topsoil short to adequate with some areas in south reporting a surplus. Farmers are busy harvesting summer items (tomatoes, peppers, cucumbers, potatoes, snap beans). Some farmers in south are replanting fall items (lettuce, endive, escarole) that were washed in the torrential rains that occurred 2 weeks ago. Spraying of herbicides, fungicides, pesticides to combat the spread of various diseases. Good volume of cucumbers, eggplant, green beans, peppers, squash, tomatoes, pickles, sweet corn, watermelon. Leafy greens are in light supply. Corn for grain was in the dough stage. Third cutting of alfalfa reported. Pasture feed fair to good. Peach harvest has reached its peak. Harvesting of apples increasing.

**NEW MEXICO:** Days suitable for fieldwork 6.7. Topsoil 1% very short, 22% short, 69% adequate, 8% surplus. Mostly warm, dry weather made good conditions for hay harvest. Fourth cutting of alfalfa reached 70% complete, 5th cutting 16% completed; 3% poor, 21% fair, 68% good, 8% excellent. Cotton crop continues to mature ahead of normal for this time of year; 27% bolls open, 34% 1996, 20% avg.; 2% poor, 22% fair, 51% good, 25% excellent. Sorghum crop was showing improvement from rainfall received the previous 2 weeks; 1% very poor, 3% poor, 36% fair, 60% good; 11% coloring, 8% 1996, 16% avg. Chile harvest continued, 33% complete by the week's end; 1% poor, 23% fair, 55% good, 21% excellent. Corn crop 5% fair, 78% good, 17% excellent; 41% dent, 46% 1996. Cattle, sheep continued to be in mostly good condition. Expectations remain high for this year's pecan crop; 12% fair, 63% good, 25% excellent. Range, pasture feed conditions continued to look good for this time of the year; 1% very poor, 4% poor, 20% fair, 60% good, 15% excellent.

**NEW YORK:** Days suitable for fieldwork 5.1. Soil moisture 18% short, 82% adequate. Rain improved conditions, slowed fieldwork. Pasture 42% poor, 40% fair, 18% good. Corn 27% fair, 73% good condition. Silage harvest started. Oat harvest 93% complete, 85% 1996, 77% avg. Hay 67% fair, 33% good. Alfalfa second cutting 92% done, 94% 1996, 90% avg.; third cutting 38% done, 46% 1996, 41% avg. Yields low due to dryness. Vine killing, harvesting of potatoes continued. Dry beans dying down. Growers preparing fields for wheat seeding. Vegetable harvesting continued in full swing. Most vegetable crops were in good condition. Rainfall beneficial. Early apple harvest active. Bartlett pear harvest underway. Apples in good condition, peaches have high sugar content, good flavor.

**NORTH CAROLINA:** Days suitable for fieldwork 6.5. August was one of the driest periods on record as hot, dry conditions continued through the month. The lack of rain has affected crop conditions, may damage yield prospects. Soil moisture 18% very short, 49% short, 32% adequate, 1% surplus. Activities for the week included: Irrigating, harvesting, marketing of flue-cured tobacco; harvesting burley tobacco; cutting silage; cutting hay; preparing for the corn harvest; scouting and spraying for insects on cotton and soybeans; harvesting truck crops and apples; maintaining pastures; tending livestock; and repairing equipment.

**NORTH DAKOTA:** Days suitable for fieldwork 5. Small grain harvest progress continued rapidly across the State, severe weather moved in during the weekend, postponed field activities. Warm weather, timely rains helped move late-season crops toward maturity. However, some

late-season crops were damaged due to torrential rains, high winds, hail. Soil moisture supplies were replenished to a level comparable with 1996. Topsoil 12% very short, 33% short, 51% adequate, 4% surplus. Subsoil 11% very short, 33% short, 52% adequate, 4% surplus. Substantial progress was made on small grain harvest, despite statewide rain showers. Late-season crops continued to develop at a pace ahead of last year and average. Durum wheat 96% turning and beyond, 33% combined; 93%, 31% 1996; 90%, 24% avg. Canola 78% swathed and beyond, 21% combined; 68%, 19% 1996; corn for grain 39% denting and beyond; 38% 1996; 31% avg.; corn for silage 4% chopped, 3% 1996, 2% avg.; dry edible beans 89% lower leaves yellowing and beyond, 58% mature leaves dropping and beyond, 9% cut; 81%, 54%, 7% 1996; 69%, 40%, 6% avg.; flaxseed 96% turning and beyond, 32% combined; 83%, 12% 1996; 80%, 6% avg.; potatoes 31% vines killed and beyond, 3% dug; 30%, 3% 1996; 31%, 5% avg.; soybeans 99% fully podded and beyond, 39% lower leaves yellowing and beyond, 9% mature leaves dropping and beyond; 88%, 45%, 9% 1996; 85%, 35%, 8% avg.; sunflower 66% ray flowers dried/dropped and beyond, 19% bracts turned yellow, 2% bracts turned brown; 58%, 25%, 6% 1996; 52%, 18%, 3% avg. Emerged crop condition: Corn for grain 1% very poor, 4% poor, 16% fair, 61% good, 18% excellent; corn for silage 4% very poor, 17% poor, 27% fair, 46% good, 6% excellent; dry edible beans 6% very poor, 13% poor, 25% fair, 52% good, 4% excellent; flaxseed 3% very poor, 16% poor, 36% fair, 42% good, 3% excellent; potatoes 15% very poor, 13% poor, 22% fair, 44% good, 6% excellent; soybeans 3% very poor, 4% poor, 26% fair, 49% good, 18% excellent; sugar beets 5% very poor, 9% poor, 17% fair, 55% good, 14% excellent; sunflower 3% very poor, 7% poor, 25% fair, 52% good, 13% excellent. Pasture feed declined 13% very poor, 32% poor, 34% fair, 21% good.

**OHIO:** Days suitable for fieldwork 4.7. Topsoil 3% short, 87% adequate, 10% surplus. Corn in dough stage 24 points ahead of 1996; dented was 19 points behind the avg.; 1% harvested for silage, 1% 1996, 4% avg. Soybeans dropping leaves 2 points behind avg. Alfalfa hay 38% 3rd cutting, 49% 1996, 56% avg. Other hay 94% 2nd cutting, 98% 1996, 95% avg.; 18% 3rd cutting, 27% 1996, 27% avg. Tobacco 77% topped; 8% harvested. Summer apples 57% harvested. Potatoes 10% harvested, 31% 1996, 31% avg. Processing tomatoes 5% harvested, 17% 1996, 29% avg. Activities: Mowing ditches, CRP, hay, winter wheat stubble, waterways, pastures; baling hay, straw; soil testing; hauling, spreading manure on wheat stubble; applying lime to wheat stubble; fall plowing, other types of field preparations; seeding alfalfa, pasture fields, cover crops; scouting fields; spraying herbicides, pesticides; tiling fields; fence, grain bin maintenance; cleaning up damage, debris from the past storms; repairing, preparing machinery for harvest; selling grain; attending, preparing for county fairs. In the northern part: growers were harvesting cucumbers, peaches, cabbages; some tomatoes are being sprayed for the harvest. Reported weed pressures: Ragweed; Canadian thistles; wild carrot; other grass, broadleaf weeds. Reported insects: European corn borer, corn rootworm in corn; bean leaf beetle, grasshoppers in soybeans; potato leafhopper in alfalfa. Reported diseases: Gray leaf spots, crazy top in corn; sclerotinia, white mold in soybeans. Hay 1% very poor, 9% poor, 32% fair, 50% good, 8% excellent.

**OKLAHOMA:** Days suitable for fieldwork 6.0. Topsoil moisture 2% very short, 9% short, 83% adequate, 6% surplus. Subsoil moisture 3% very short, 6% short, 90% adequate, 1% surplus. Dry weather prevailed over most of State, scattered showers received across the northern half of State. Wheat 61% seedbed prepared, 50% 1996, 61% avg.; 5% planted, 1% 1996, 5% avg. Corn 18% mature, 25% 1996, 51% avg.; 4% harvested, 7% 1996, 11% avg. Sorghum 4% mature, 21% 1996, 10% avg. Soybeans 91% setting pods, 90% 1996, 70% avg.; 6% mature, 22% 1996, 16% avg; peanuts 97% setting pods, 99% 1996, 92% avg.; 0% mature, 19% 1996, 11% avg.; cotton 95% setting bolls, 100% 1996, 95% avg; alfalfa hay 95% 3rd cutting, 97% 1996, 97% avg.; 32% 4th cutting, 39% 1996, 50% avg.; All other hay 96% 1st cutting, 96% 1996, 99% avg.; 25% 2nd cutting, 59% 1996, 90% avg.; watermelons 94% harvested, 94% 1996, NA avg.; Livestock 1% poor, 10% fair, 79% good, 10% excellent. Feeder steer prices up slightly

**OREGON:** Days suitable for fieldwork 6.6. Topsoil 17% very short, 34% short, 49% adequate. Subsoil 17% very short, 19% short, 64% adequate. Barley harvested 80%, 65% 1996, 71% avg. Winter wheat

harvested 97%, 96% 1996, 96% avg. Activities: Ground being prepared for fall seeding westside, most grain crops harvested. Hop, mint harvest underway. Field corn ears filling in Willamette Valley, silage corn almost ready for harvest on South Coast. East side grain harvest virtually complete. Sugar beets looking good in Klamath Basin, Northeast, mint harvest nearly finished in Northeast. Nurseries, greenhouses both busy with fall plantings. Christmas trees for 1997 harvest being sheared, trees look good. Recent rains reduced irrigation needs. Sweet corn, broccoli, cauliflower, beans, zucchini being harvested, onions were sizing in Willamette Valley. North Coast reported cucumbers, tomatoes, corn looking good. Harvest of sweet onions, carrots, sweet corn, potatoes continued in Northeast. Malheur County, Klamath Basin busy with potato harvest. Willamette Valley berry fields being prepared for winter. Amity raspberries, late variety peaches, ever bearing strawberries, blueberries, blackberries being picked. Pear harvest in full swing Rogue River Valley with Bartlett pears mostly done. South Coast cranberry growers continued to collect leaf tissue samples for nutrient analysis. Hood River Valley Bartlett pear harvest continued, pre-harvest fungicides being applied to Anjou and Bosc pears. Gala apples being picked in lower valley. Livestock condition good to excellent in the west, fair to good in the east. Recent rains started grass regrowth on westside. Eastern rangeland continued to dry out. Limited movement to market of yearling cattle continued from southeastern counties.

**PENNSYLVANIA:** Days suitable for fieldwork 5.0. Good week for fieldwork. Soil moisture 4% very short, 30% short, 64% adequate, 2% surplus. Ensilage corn harvest 9% complete, 6% 1996, 6% avg. Soybean 7% very poor, 23% poor, 40% fair, 25% good, 5% excellent. Wheat planted 10% complete, 5% 1996, 5% avg. Oat harvest 91% complete, 91% 1996, 91% avg. Barley planted 16% complete, 8% 1996, 6% avg. Tobacco harvest 25% complete, 60% 1996, 43% avg. Potato harvest 24% complete, 33% 1996, 29% avg. Alfalfa 2nd cutting 96% complete, 95% 1996, 93% avg. Alfalfa 3rd cutting 62% complete, 59% 1996, 57% avg. Alfalfa 4th cutting 26% complete, 17% 1996, 18% avg. Timothy clover 2nd cutting 81% complete, 74% 1996, 76% avg. Quality of hay made 3% very poor, 12% poor, 35% fair, 40% good, 10% excellent. Apple harvest 19% complete, 27% 1996, 22% avg. Peach harvest 74% complete, 66% 1996, 73% avg. Grape harvest 7% complete, 21% 1996, 17% avg. Fall plowing 31% complete, 21% 1996, 23% avg. Activities: Harvesting oats; harvesting potatoes, fruits and vegetables; making hay and haylage; seeding barley and wheat; harvesting tobacco; plowing fields; fixing fences; hauling manure; caring for livestock.

**SOUTH CAROLINA:** Days suitable for fieldwork 6.4. Soil moisture 17% very short, 60% short, 23% adequate. Apples 24% harvested, 27% 1996, 22% avg.; 23% poor, 36% fair, 41% good. Corn 98% matured, 96% 1996, 95% avg.; 57% harvested, 43% 1996, 42% avg.; 4% poor, 19% fair, 53% good, 24% excellent. Hay 96% harvested, 95% 1996, 65% avg.; 4% very poor, 16% poor, 39% fair, 37% good, 4% excellent. Peaches 97% harvested, 98% 1996, 96% avg.; 41% poor, 42% fair, 13% good, 4% excellent. Snap beans 100% harvested, 98% 1996, 99% avg.; 15% fair, 72% good, 13% excellent. Sorghum 29% harvested, 34% 1996, 26% avg.; 5% poor, 31% fair, 55% good, 9% excellent. Soybeans 95% bloomed, 97% 1996, 95% avg.; 72% pods set, 70% 1996, 70% avg.; 14% leaves turning color, 5% 1996, 3% avg.; 1% very poor, 10% poor, 24% fair, 55% good, 10% excellent. Sweet potatoes 7% harvested, 9% 1996, 7% avg.; 14% poor, 42% fair, 44% good. Tobacco 87% harvested, 82% 1996, 78% avg.; 43% stalks destroyed, 36% 1996, 26% avg.; 1% poor, 23% fair, 68% good, 8% excellent. Winter grazings 7% planted, 6% 1996, 4% avg.; 1% emerged, 1% 1996, 1% avg.; 5% very poor, 25% fair, 60% good, 10% excellent.

**SOUTH DAKOTA:** Days suitable for fieldwork 5.1. Topsoil 1% very short, 18% short, 76% adequate, 5% surplus. Subsoil 12% short, 78% adequate, 10% surplus. Stock water supplies 1% short, 89% adequate, 10% surplus. Major activities by State farmers, ranchers during the week were harvesting small grains, working stubble fields, spraying. Flax 2% poor 53% fair, 41% good, 4% excellent. Sunflower 4% poor, 13% fair, 47% good, 36% excellent. Livestock 1% poor 8% fair, 57% good, 34% excellent. Winter rye 5% planted, 2% 1996, 3% avg.; 1% emerged. Winter wheat 7% planted, 1% 1996, 2 avg.; 2% emerged.

Sunflower 98% blooming, 100% 1996, 97% avg.; 43% flower dry, 67% 1996, 59% avg.; 33% bracts yellow, 40% 1996, 33% avg.; 1% mature, 0% 1996, 3% avg. Soybeans 3% mature, 2% 1996, 2% avg. Flax 91% ripe, 96% 1996, 75% avg. Corn silage 2% harvested, 1% 1996, 1% avg. Sorghum silage 2% harvested, 1% 1996, 0% avg.

**TENNESSEE:** Days suitable for fieldwork 6.5. Topsoil 12% very short, 35% short, 52% adequate, 1% surplus. Subsoil 9% very short, 34% short, 56% adequate, 1% surplus. Some areas of west received only a limited amount of rainfall, which slightly improved soybeans, pastures, hay. Corn for grain harvest began on a limited scale last week, not to the one percent level. Tobacco, corn silage harvest continued to dominate farmers' time as the rains held off in middle, east, allowing farmers to make steady progress. The cotton crop is developing ten days to two weeks behind schedule, and is just beginning to open. Fields throughout State are becoming dry, as nearly 50% of the topsoil very short to short, 25% during the previous week. Corn 1% very poor, 8% poor, 25% fair, 49% good, 17% excellent; 90% dent, 94% 1996, 88% avg.; 36% mature, 54% 1996, 41% avg.; 53% silage harvested, 53% 1996, 47% avg. Tobacco 3% very poor, 19% poor, 37% fair, 37% good, 4% excellent; 78% topped, 90% 1996, 92% avg.; 37% burley harvested, 44% 1996, 43% avg.; 55% air-cured harvested, 57% 1996, 51% avg.; 43% fire-cured harvested, 55% 1996, 51% avg. Sorghum 4% poor, 29% fair, 62% good, 5% excellent; 78% coloring, 57% 1996, 76% avg. 26% mature, 32% 1996, 31% avg. Pasture feed 2% very poor, 14% poor, 36% fair, 43% good, 5% excellent. Cattle 5% poor, 27% fair, 59% good, 9% excellent.

**TEXAS:** Hot, mostly dry conditions made for good maturing and harvesting activity. Land preparations moved along without delay. Most areas of the State could use good rain as summer draws to a close. Many pastures declined to the extent that some producers began to supplement. Livestock remained in good condition across the State. Crops: Small grains planting activity increased in the Plains as producers continued land preparations in other areas. Planting moisture in the Plains was good. However, a good rain would help. Wheat planted 3%, compared with 4% in 1996 and the 6% avg. Corn harvest operations were winding down in many areas, with open weather conditions during the week. Fields continued to look good in the Plains as silage harvest continued. A few grain fields were cut, with most harvest expected to begin within the next couple of weeks. Crop progress was at 42% harvested, compared with 57% in 1996 and the 54% avg. Cotton bolls continued to open rapidly under hot weather conditions in most areas. Many plants ceased developing new bolls because of the hot, dry conditions. Harvest was increasing in central areas and was beginning to wind down in the Coastal Bend. Most harvest activity was completed in the Rio Grande Valley, with 9% harvested, compared with 13% in 1996 and the 15% avg. Grain sorghum harvest continued without delay in most Central and Blackland areas, and was expected to wind down by week's end. Fields continued to mature rapidly in the Plains, where dryland fields still benefit from rain. Crop progress was 47% harvested, compared with 57% in 1996 and the 61% avg. Peanut fields in the Plains were approaching maturity under hot, dry conditions. Some disease was reported, however, with good crop still expected. Fields were reported in mostly good condition in the South Central area. Crop progress was at 1% harvested, compared with 0% in 1996 and the 1% avg. Rice harvest progressed in more fields. Yields were very erratic. Soybeans potential remained good in most High Plains fields. Some harvest had begun in the Blacklands. Harvest also continued along the Upper Coast without much delay. Sugar beets' good progress continued in the High Plains. In other crops, sunflowers had been harvested 13%, compared with 2% in 1996 and the 2% avg.

**Commercial Vegetables:** In the Rio Grande Valley, land preparations continued. In the San Antonio-Winter Garden area, land preparations were active. In the High Plains, harvest operations were winding down in many onion and potato fields. In East Texas, vegetable production continued to wind down in many fields. In Trans-Pecos, sweetpotato harvest increased and melon harvest continued. The pecan crop in the Central and South Texas regions continued to show good potential as nuts were filling. Rain would ensure good filling. Isolated spraying for insects continued.

**Range and Livestock:** Many ranges and pastures continued to suffer under hot, dry conditions. Supplemental feeding activity increased in

some areas. Livestock has remained in mostly good condition despite declining conditions. Producers were weaning early spring-born calves. Sheep and goat producers were preparing for fall shearing.

**UTAH:** Days suitable for fieldwork 6. Topsoil 29% short, 61% adequate, 10% surplus. Subsoil 29% short, 63% adequate, 8% surplus. Irrigation water supplies 15% short, 81% adequate, 4% surplus. Stock water supply 3% very short, 15% short, 82% adequate. Spring wheat harvested 91%, 90% 1996, 90% avg. Barley harvested 90%, 95% 1996, 91% avg. Oats harvested for grain 65%, 67% 1996, 66% avg.; harvested for hay or silage 92%, 94% 1996, 98% avg. Corn silked 96%, 99% 1996, 96% avg.; doughed 45%, 41% 1996; dent 4%. Alfalfa hay 3rd cutting 36%, 53% 1996, 42% avg. Peaches picked 60%, 58% 1996, 62% avg. Pears picked 30%, 23% 1996, 39% avg. Apples picked 6%, 14% 1996, 12% avg. Onions 6%, 17% 1996, 16% avg. Pasture feed, range 3% very poor, 3% poor, 14% fair, 60% good, 20% excellent. Major farm, ranch activities: Harvesting hay, combining small grains, picking fruit.

**VIRGINIA:** Days suitable for fieldwork 6.5. Topsoil 30% very short, 50% short, 20% adequate. Subsoil 30% very short, 50% short, 20% adequate. Corn 98% silked, 99% 1996, 100% avg.; 74% dough, 79% 1996, 87% avg.; 47% dent, 54% 1996, 60% avg.; 20% mature, 31% 1996, 40% avg.; 1% harvested, 2% 1996, 5% avg.; 13% corn silage harvested, 18% 1996, 22% avg.; 9% very poor, 27% poor, 42% fair, 21% good, 1% excellent. Soybeans 81% bloomed, 85% 1996, 90% avg.; 63% setting pods, 64% 1996, 68% avg.; 15% very poor, 27% poor, 33% fair, 23% good, 2% excellent. Cotton 9% very poor, 17% poor, 29% fair, 40% good, 5% excellent. Summer apples 81% harvested, 69% 1996, 69% avg.; 1% very poor, 9% poor, 50% fair, 38% good, 2% excellent. Peaches 78% harvested, 87% 1996, 93% avg. Flue tobacco 27% harvested, 44% 1996, 48% avg.; 2% very poor, 6% poor, 30% fair, 50% good, 12% excellent. Burley tobacco 11% harvested, 23% 1996, 16% avg.; 8% very poor, 10% poor, 31% fair, 45% good, 6% excellent. Dark fire cured tobacco 40% harvested, 57% 1996, 56% avg.; 10% poor, 40% fair, 45% good, 5% excellent. Sun cured tobacco 30% harvested, 48% 1996, 48% avg.; 5% poor, 55% fair, 40% good. Peanuts 4% very poor, 7% poor, 35% fair, 42% good, 12% excellent. Pasture feed 20% very poor, 34% poor, 35% fair, 11% good. Alfalfa 5% very poor, 25% poor, 50% fair, 20% good. Other hay 10% very poor, 40% poor, 40% fair, 10% good. Moisture supply levels are rapidly depleting as rainfall was minimal, scattered throughout most localities in States. However, some central localities received up to three inches. Many corn producers are reporting poor ear quality, poor grain fill as the crop reaches maturity in such dry conditions. Also, many corn producers are reporting low silage yields. Dry conditions caused a delay in the soybean developmental stages putting it behind 1996, avg. Pasture conditions have deteriorated in many localities forcing beef producers to look for alternative feed sources. Supplemental feeding in addition to little or no second cutting of hay has many producers concerned about hay supplies. Producers are busy spraying, topping, harvesting, marketing tobacco, scouting, spraying corn, soybeans, peanuts, cotton. Other activities include vegetable harvesting, marketing livestock.

**WASHINGTON:** Days suitable for fieldwork 5.4. Topsoil 2% very short, 30% short, 50% adequate, 18% surplus; subsoil 8% short, 90% adequate, 2% surplus. Wheat, barley harvests nearly complete, winter wheat seeding just underway. Dry pea harvest nearly finished. Mint harvest progressing. Corn 99% good, 1% excellent. Potatoes 5% fair, 94% good, 1% excellent; 24% harvested, 22% 1996, 20% avg. Dry beans 4% fair, 96% good; 35% harvested, 4% 1996, 9% avg. Hay, other

roughage supplies 3% short, 75% adequate, 22% surplus. Alfalfa harvest continued to progress normally. Dairymen were "green chopping". Range, pasture feed 18% very poor, 8% poor, 28% fair, 36% good, 10% excellent. Early apple, Bartlett pear harvests continued. Blueberry harvest continued in western areas, as did sweet corn harvest. Pumpkins were turning orange. Carrot, sweet corn, onion harvests progressed in central areas.

**WEST VIRGINIA:** Days suitable for fieldwork 5.4. Topsoil 1% very short, 23% short, 75% adequate, 1% surplus. Corn 5% very poor, 16% poor, 35% fair, 43% good, 1% excellent; 79% dough stage, 76% 1996, 76% avg.; 21% dent stage, 49% 1996; 2% mature, 5% 1996. Hay 1% very poor, 15% poor, 28% fair, 51% good, 5% excellent; 2nd cutting 73%, 74% 1996, 75% avg.; 3rd cutting 23%, 24% 1996, 45% avg. Oats 88% harvested, 95% 1996, 96% avg. Soybeans 2% poor, 57% fair, 41% good; 93% setting pods, 90% 1996, 90% avg.; 25% dropping leaves, 9% 1996. Tobacco 3% poor, 40% fair, 52% good, 5% excellent; 97% topped, 95% 1996, 98% avg.; 29% harvested, 15% 1996, 32% avg. Apple 50% fair, 40% good, 10% excellent; 14% harvested. Cattle 1% poor, 22% fair, 72% good, 5% excellent. Sheep 1% poor, 32% fair, 65% good, 2% excellent. Activities: Making hay, harvesting oats, apples, preparing for corn silage harvest, topping, harvesting tobacco, repairing fences, marketing cattle.

**WISCONSIN:** Days suitable for fieldwork 4.5. Soil moisture 4% short, 84% adequate, 12% surplus. More warm, sunny weather is needed to bring the crops to maturity, to dry fields, so farmers can finish harvesting oats, potatoes, hay. Third crop hay harvested was at 38% complete, compared to 44% 1996, 36% avg. Farmers, statewide, continued to struggle in making hay between rain showers. Some farmers in Oconto County began early chopping of corn for silage. Hail damage to corn leaves was reported in Buffalo, Dunn counties. A reporter in Fond du Lac County observed that the only corn in the dent stage was 85-day, planted early. Soybeans setting pods was at 94%, 74% 1996. Soybeans leaves were at 5% turned, 4% 1996, 7% avg. Reporters from Juneau, Monroe, Richland, Rock counties noted some white mold in soybean fields. Soybean 1% poor, 13% fair, 53% good, 33% excellent. Oats harvested was the same as the 10-year average of 90%. Some areas in the State had lodging, which made it difficult to combine. A reporter from Waushara County noted yields ranged 60-70 bushels per acre, with excellent test weights. Winter wheat combined in Manitowoc County yielded up to 40 bushels per acre. Pasture feed 1% very poor, 3% poor, 19% fair, 57% good, 20% excellent.

**WYOMING:** Days suitable for fieldwork 6.1. Topsoil 20% short, 79% adequate, 1% surplus. Subsoil 32% short, 68% adequate. 1998 winter wheat 12% planted, 31% 1996, 19% avg.; 3% emerged, 0% 1996, 1% avg. Barley 92% mature, 96% 1996, 94% avg.; 76% harvested, 80% 1996, 76% avg. Oats 89% mature, 95% 1996, 90% avg.; 53% harvested, 55% 1996, 55% avg.; 1% very poor, 1% poor, 11% fair, 76% good, 11% excellent. Spring wheat 96% mature, 96% 1996, 92% avg.; 52% harvested, 76% 1996, 61% avg.; 22% fair, 76% good, 2% excellent. Corn 97% dough, 84% 1996, 59% avg.; 65% dented, 38% 1996, 24% avg.; 11% mature, 0% 1996, 0% avg.; 2% harvested for silage, 9% 1996, 3% avg.; 1% fair, 92% good, 7% excellent. Dry beans 89% leaves turning color, 94% 1996, 79% avg.; 24% windrowed, 45% 1996, 25% avg.; 4% combined, 14% 1996, 7% avg.; 5% poor, 2% fair, 87% good, 6% excellent. Sugar beets 2% fair, 89% good, 9% excellent. Alfalfa 76% 2nd cutting 83% 1996, 73% avg.; 1% 3rd cutting complete, 6% 1996, 8% avg. Other hay harvested 91%, 93% 1996, 94% avg. Range, pasture feed 2% poor, 15% fair, 62% good, 21% excellent.

# International Weather and Crop Summary

August 24 - 30, 1997

## HIGHLIGHTS

**FSU-WESTERN:** In Russia, unseasonably warm, dry weather helped spring grain harvesting and winter grain planting, while wet weather in Ukraine favored immature summer crops.

**FSU-NEW LANDS:** Light showers continued to benefit immature spring grains in Western Siberia, Russia, while continued dry weather aided harvesting in Kazakhstan.

**EUROPE:** Widespread light to moderate showers benefited immature corn, sunflowers, and sugar beets throughout most of Europe.

**AUSTRALIA:** Beneficial rain covered western winter grains, while dryness persisted farther east in New South Wales and Queensland.

**SOUTH ASIA:** Heavy rain in the northwest boosted moisture reserves but may have had a negative impact on cotton and soybeans.

**CANADA:** Weather conditions favored maturation and harvest of Prairie spring crops.

**SOUTHEAST ASIA:** In Java, dry weather continued to reduce moisture for rainfed second-season crops.

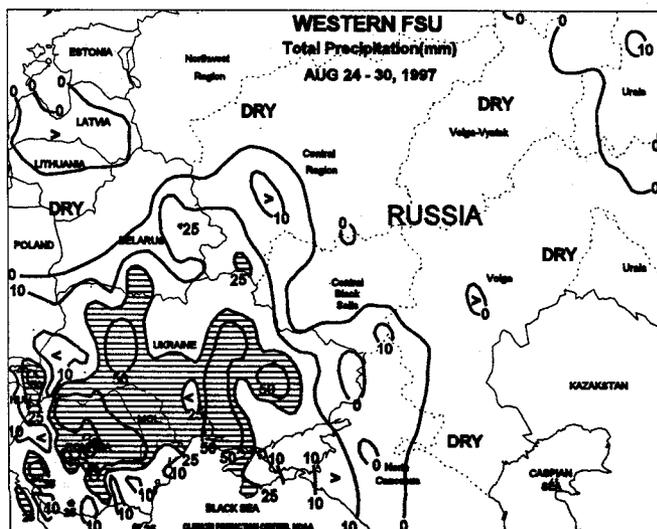
**EASTERN ASIA:** Mostly warm, dry weather reduced summer crop yield prospects in the western North China Plain, while Typhoon Amber brought flooding to Taiwan and coastal southeastern China.

**SOUTH AMERICA:** In Argentina, unseasonably warm weather favored late wheat planting but increased stress for vegetative wheat in Cordoba.

**MEXICO:** Light rain brought little relief to stressed filling corn in the western corn belt.

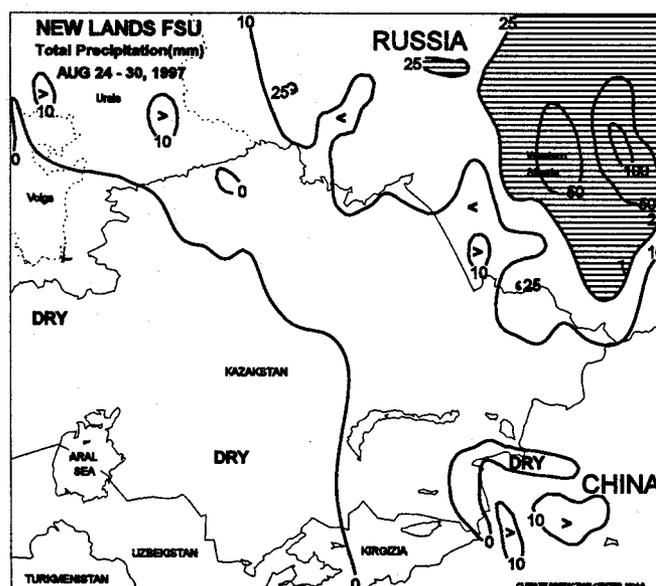
### FSU-WESTERN

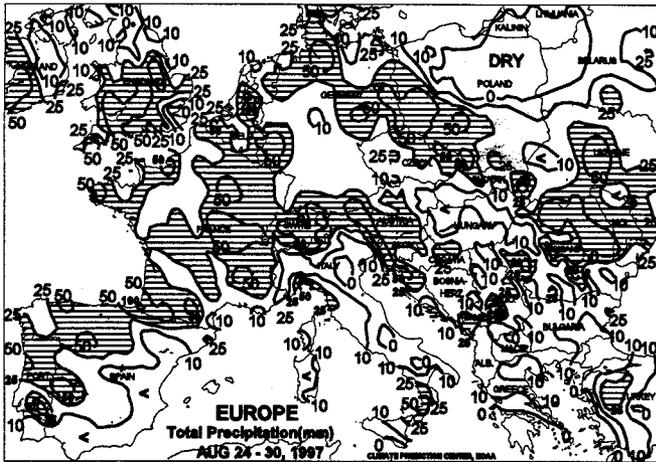
In Ukraine, wet weather (7-62 mm) prevailed over most of the country, favoring corn, sunflowers, and sugar beets in the filling stage and providing abundant topsoil moisture for upcoming winter wheat planting. Greatest amounts of precipitation (25-62 mm) occurred in southern and western Ukraine. In Russia, mostly dry weather favored spring grain harvesting. Reports as of August 30, 1997, indicated that harvest of small grains and pulses, excluding corn, was 55 percent completed, compared with 62 percent in 1996. Furthermore, the dryness favored planting of the 1998 winter grain crop, typically underway in northern areas. The optimum time for planting winter grains in northern Russia is from late August to early September. The optimum planting dates in traditional winter wheat areas of Ukraine and southern Russia range from mid to late September. Weekly temperatures averaged 3 to 6 degrees C above normal in Russia, promoting crop maturation and favoring rapid winter grain emergence in the north. Elsewhere, unseasonably warm, dry weather in Belarus and the Baltics favored spring grain harvesting and winter grain planting.



### NEW LANDS

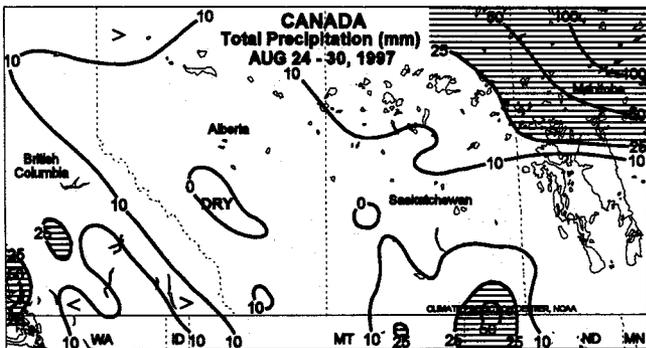
In Russia, spring grains were filling in most areas, except in the southern Urals and the Altay Kray region, where harvesting was likely underway. Mostly dry weather favored spring grain harvesting in the southern Urals. Light to moderate showers (10-50 mm) in Western Siberia benefited immature crops in most areas, except in the Altay Kray region, where the rain caused some harvesting delays. In Kazakhstan, the third consecutive week of dryness allowed spring grain harvesting to progress rapidly. In cotton growing areas of Central Asia, although dry weather favored early cotton harvesting, unseasonably cool weather (weekly temperatures averaging 1-3 degrees C below normal) slowed crop maturation. Typically, cotton harvesting begins in mid-September and continues through November.





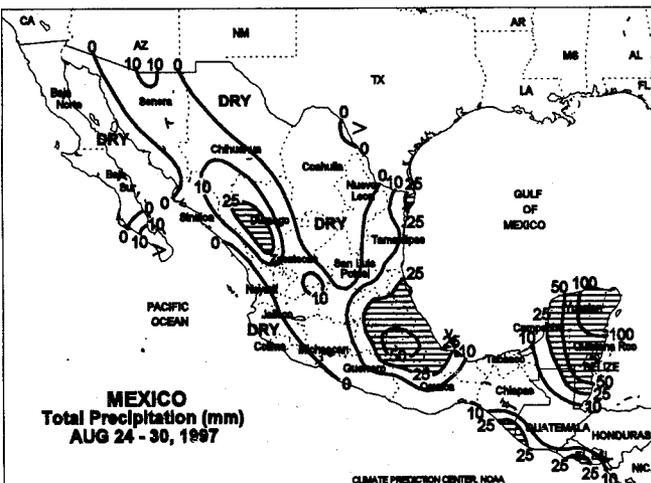
**EUROPE**

Unusually warm, dry weather early in the week was replaced by cooler weather and increasing precipitation as the week progressed. The early-week dryness allowed small grain harvesting to progress toward completion in most areas. Later in the week, widespread rain (10-50 mm or more) fell in northern Spain, France, England, the Benelux countries, and Germany, benefiting corn, sunflowers, and sugar beets in the filling stage. The precipitation in Germany was especially welcomed, following generally dry weather that had persisted during most of August. Farther east, widespread showers (10-25 mm, with scattered amounts in excess of 50 mm) also covered most of eastern Europe. The exception was extreme northern Poland, where the weather was mostly dry. Greatest amounts of precipitation (25-58 mm) fell in northern Czech Republic and southwestern Poland. Some localized flooding likely occurred in these areas, which experienced earlier widespread flooding caused by heavy rainfall in July. Elsewhere, unseasonable rains (2-22 mm, with local amounts in excess of 25 mm) occurred in southern areas of the Iberian peninsula and southern Italy. Weekly temperatures averaged 2 to 6 degrees C above normal in the northern half of Europe and 1 to 3 degrees C below normal in extreme southern Europe.



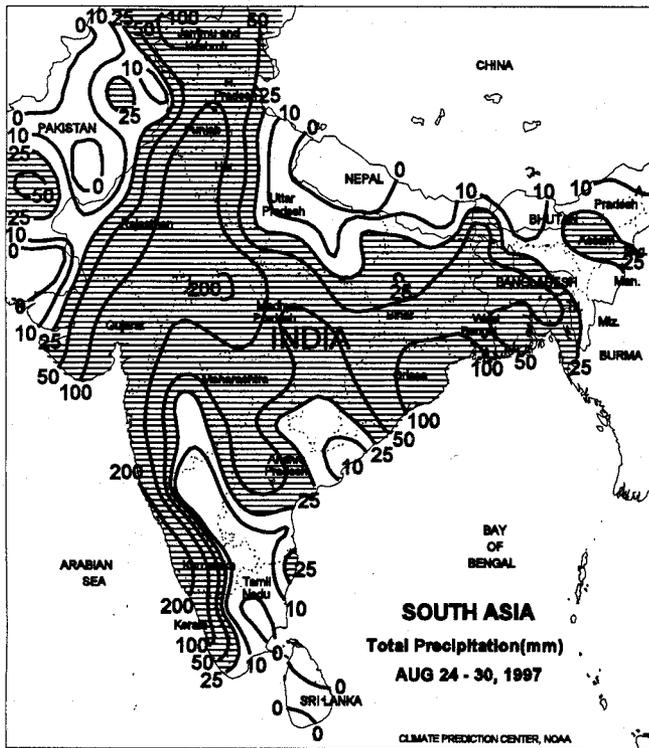
**CANADA**

Unseasonable warmth (temperatures 2-5 degrees C above normal, highs from 28-33 C) across the Prairies favored ripening spring grains and oilseeds. Scattered, mostly light showers (2-10 mm or more) in the southeast caused only minor disruptions in fieldwork. Most grains and oilseeds are out of danger from damage due to the first autumn freeze, which typically occurs by early September in most Prairie crop areas. In eastern Canada, mild, dry weather aided growth of corn and soybeans following last week's heavy rain.



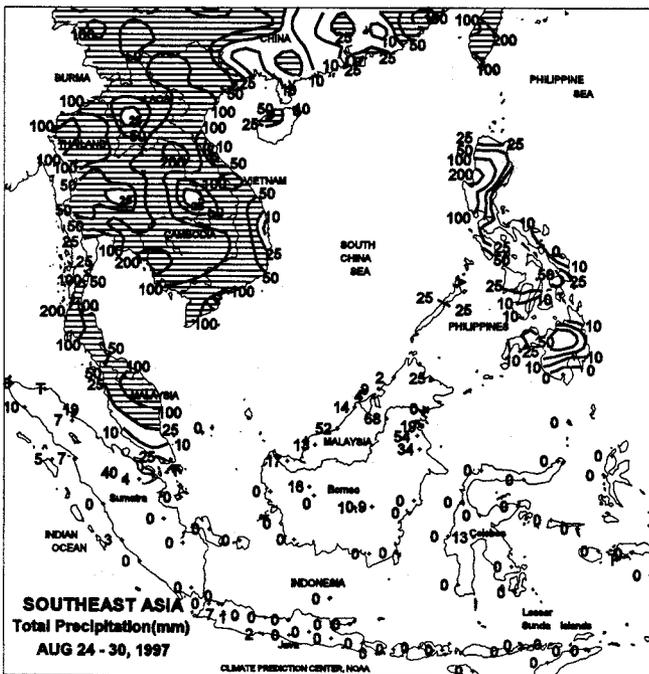
**MEXICO**

Light rain (2-20 mm) brought little relief to stressed filling corn across the western corn belt. Heavier amounts (10-30 mm) benefited corn in the east. Monsoon rains (5-30 mm) increased reservoir levels in northwestern Mexico. Scattered showers (5-25 mm) brought limited drought relief to northeastern Mexico. Temperatures averaged 1 to 3 degrees C above normal across the country.



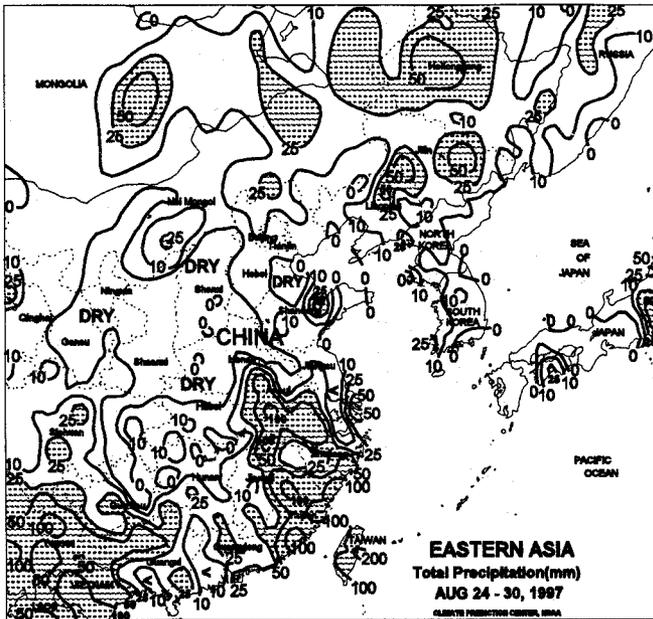
**SOUTH ASIA**

Moderate to heavy rain (25-100 mm or more) pushed into northwestern India and adjacent sections of Pakistan, increasing moisture reserves but likely resulting in some flooding. The rainfall was overall beneficial for groundnuts and other crops in Gujarat and Rajasthan following a recent dry spell. However, wetness was unfavorable for soybeans in western Madhya Pradesh, and heavy rain in north-central India raised concern for cotton. Elsewhere, moderate rain (21-76 mm) benefited oilseeds and cotton in Andhra Pradesh. Favorably drier weather aided crop development in eastern India for much of the week, but heavy rain (50-100 mm or more) returned to east-central rice areas by week's end. Summer crops throughout South Asia are reproductive to filling.



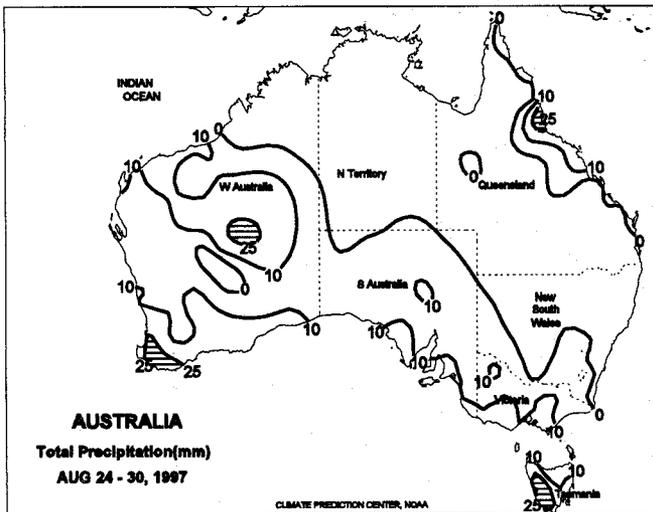
**SOUTHEAST ASIA**

Dry weather continued across most of Java, further reducing moisture for second-season crops. While this is the driest time of the year in Java, rainfall still typically averages 5 to 15 mm per week. Widespread showers (30-125 mm) covered all of Thailand, boosting moisture supplies for main-season crops. Heavy showers (50-150 mm) maintained abundant moisture supplies for 10th-month rice in northern Vietnam. Moisture from nearby tropical cyclones (Cass and Amber) helped contribute to showers (30-100 mm, with isolated amounts greater than 200 mm across western Luzon) across the northern Philippines (Luzon Island), boosting moisture supplies. Moderate showers (10-35 mm) favored oil palm across peninsular Malaysia.



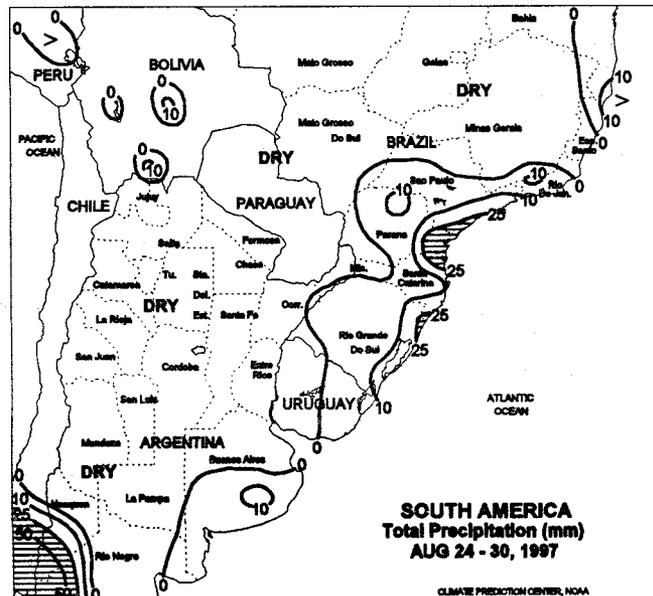
**EASTERN ASIA**

Dry, warm weather (temperatures 2-4 degrees C above normal) persisted across the western North China Plain (Henan and Shanxi), reducing summer crop yield prospects. This region missed the beneficial rain from the remnants of Typhoon Winnie during August 21 to 23. Shandong received only scattered rain (5-60 mm), but did receive beneficial rain from the remnants of Winnie. Rain (15-60 mm, with isolated amounts greater than 75 mm) maintained favorable moisture levels for filling soybeans in Manchuria. Moderate showers (20-75 mm) benefited filling summer crops across the lower Yangtze Valley. Typhoon Amber slammed into Taiwan on August 29, with sustained winds of 90 to 100 knots (100-110 mph). The storm helped to produce torrential rain (100-300 mm) and flooding on the island. Amber then hit southeastern China (Fujian) also on August 29, with sustained winds of 65 knots (75 mph). Tropical Storm Cass hit southeastern China (southwestern Fujian) on August 30, with sustained winds of only 35 knots (40 mph). These storms produced moderate to heavy showers (40-150 mm) in Fujian, causing some local flooding. Light to moderate rain (5-30 mm) aided filling summer crops in North Korea. Warm, dry weather (temperatures 1-2 degrees C above normal) favored filling rice in South Korea and southern Japan. Moderate rain (15-40 mm) covered northern Japan.



**AUSTRALIA**

Moderate showers (10-25 mm) maintained generally favorable moisture reserves in Western Australia's winter grain belt. The rain moved into the southeast by week's end, with 5 to 17 mm reported in South Australia and Victoria. In contrast, dryness persisted in Queensland and most of New South Wales. However, on September 1, moderate to heavy rain was pushing through major winter grain areas of the east. More information will be available in next week's summary. Temperatures averaged near to below normal in Western Australia, slowing growth of vegetative winter wheat and barley. Colder weather gripped the east, averaging 1 to 3 degrees C below normal in the southeast and 3 to 6 degrees C below normal from central New South Wales northward. Subfreezing temperatures (lows from -1 to -6 C) burned back vegetative winter grains in Queensland and northern New South Wales, raising the specter of last season's freeze. In New Zealand, moderate showers (25 mm or more) were confined to the western coast of the South Island, with lighter amounts (5-25 mm) in the main agricultural areas.



**SOUTH AMERICA**

In Argentina, unseasonably warm weather (temperatures 8-9 degrees C above normal, with highs ranging from 30-34 degrees C) favored late winter wheat planting and early growth. However, the warmth further stressed vegetative wheat in Cordoba, which has received little rain during the past 2 months. Only light, scattered rain (2-20 mm) was reported in southern Buenos Aires, increasing topsoil moisture for early wheat growth. According to reports as of August 22, winter wheat was 91 percent planted compared with 98 percent on that date last year. In southern Brazil, light rain (1-20 mm, with isolated amounts greater than 40 mm) increased topsoil moisture across eastern Parana and Rio Grande do Sul. In Parana and Mato Grosso do Sul, wheat is filling, while farther south in Rio Grande do Sul, winter wheat is heading. Temperatures averaged 3 to 4 degrees C above normal across southern Brazil.

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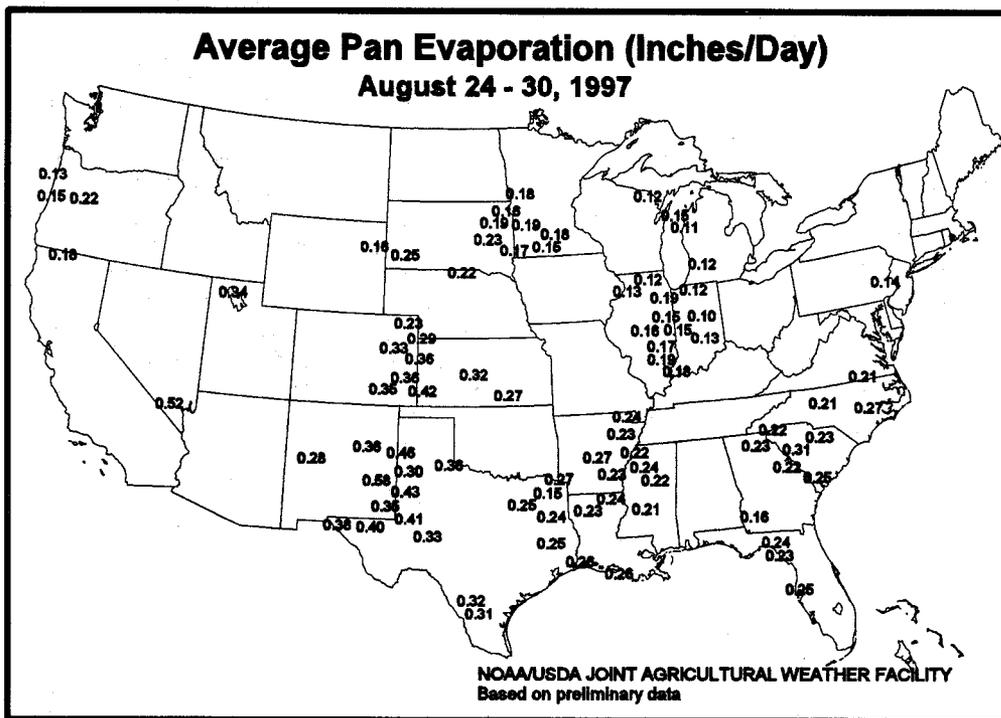
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