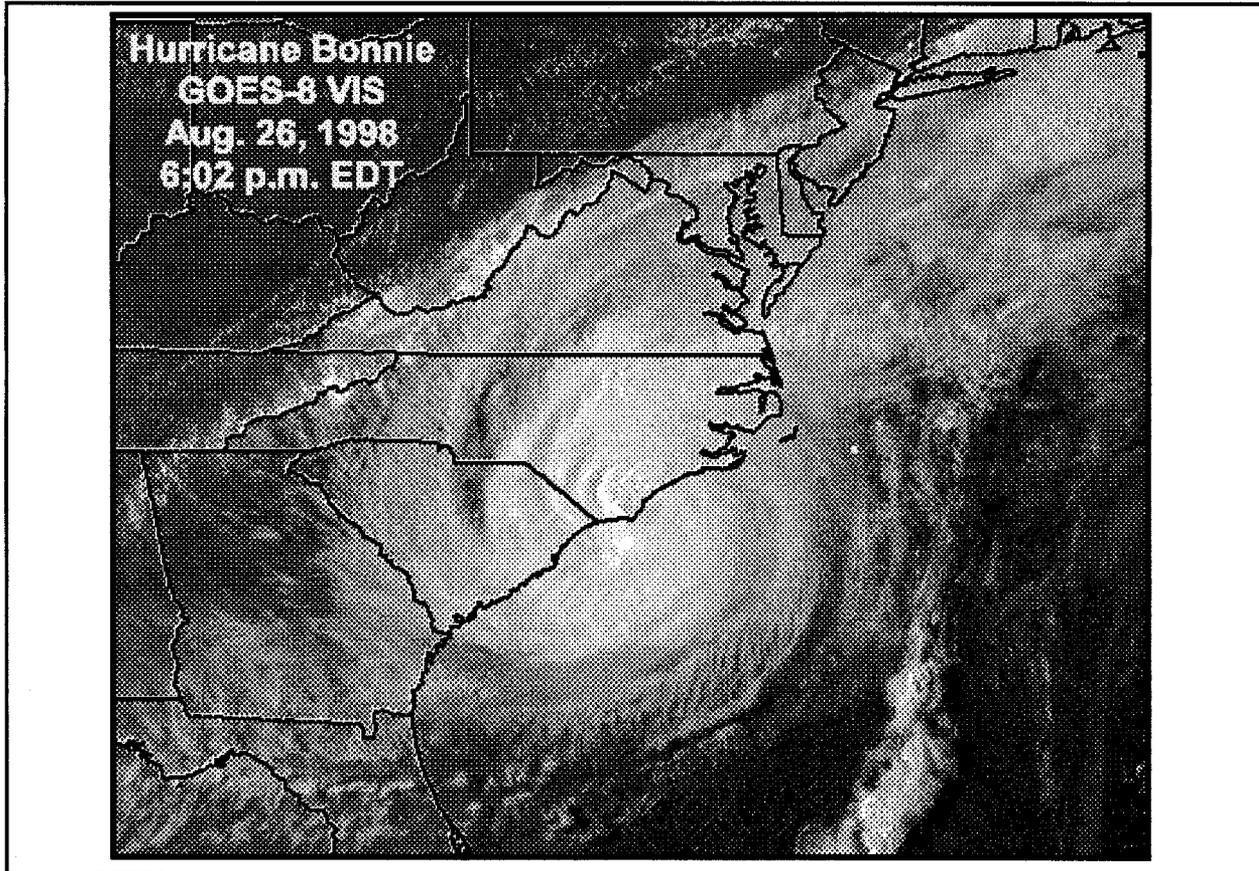


WEEKLY WEATHER AND CROP BULLETIN

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



HIGHLIGHTS

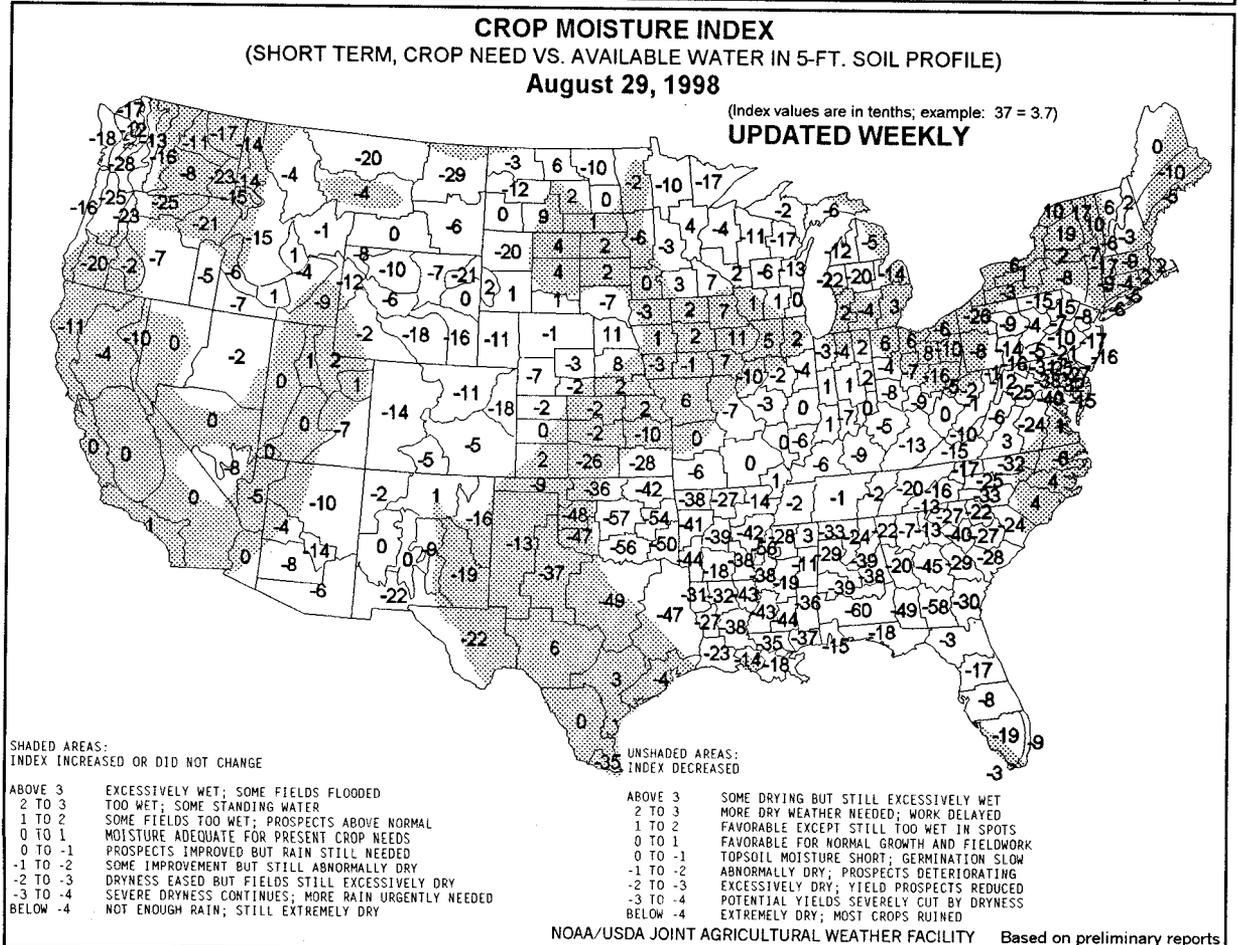
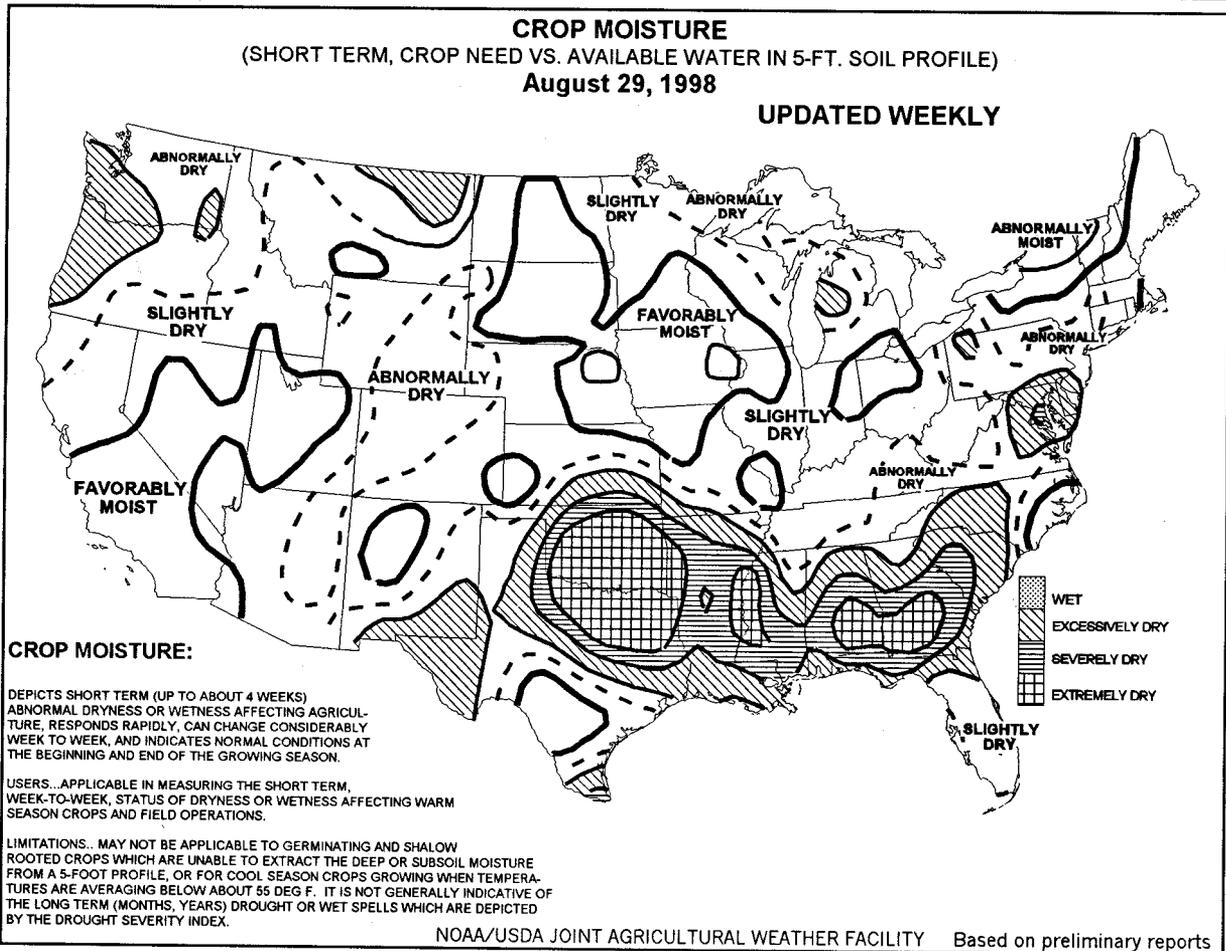
August 23 - 29, 1998

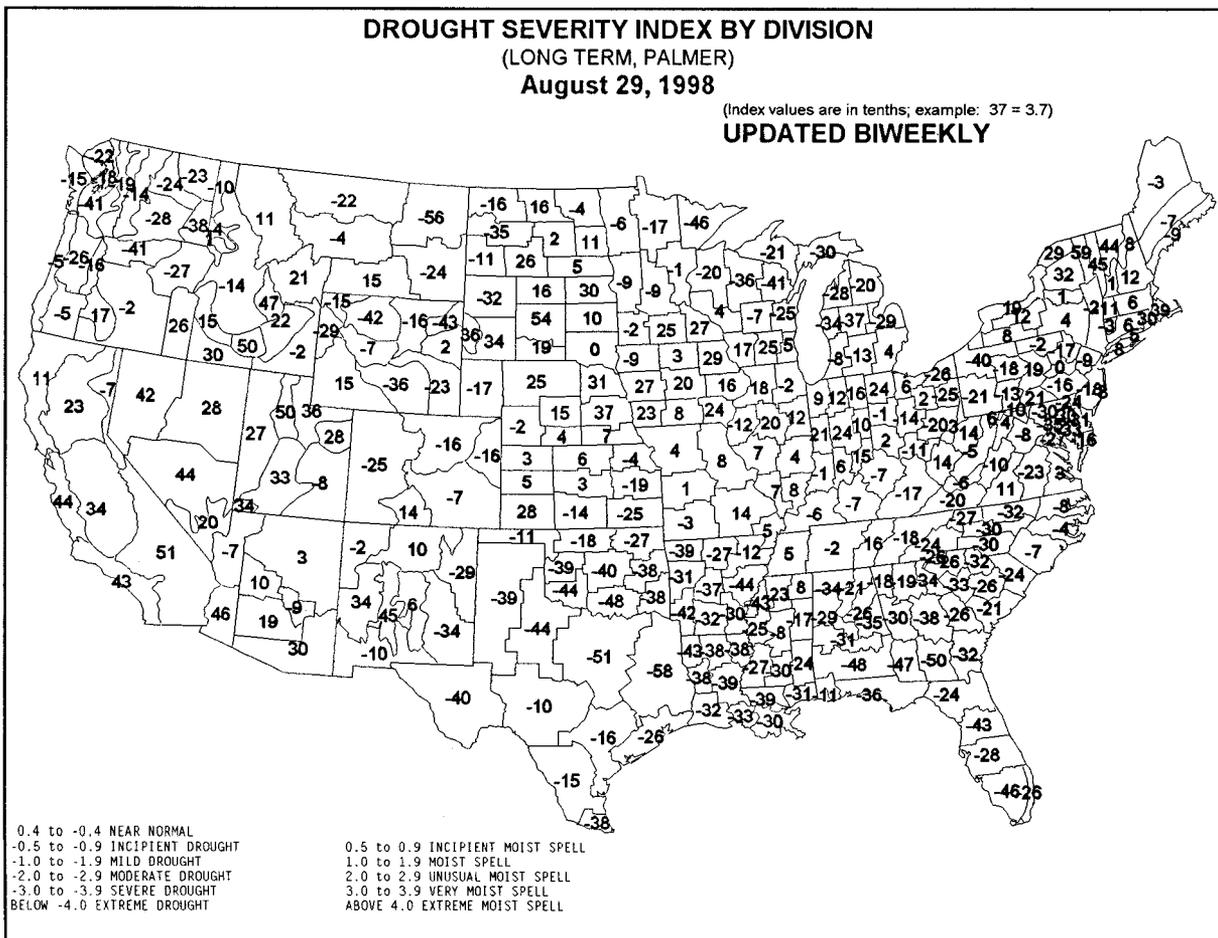
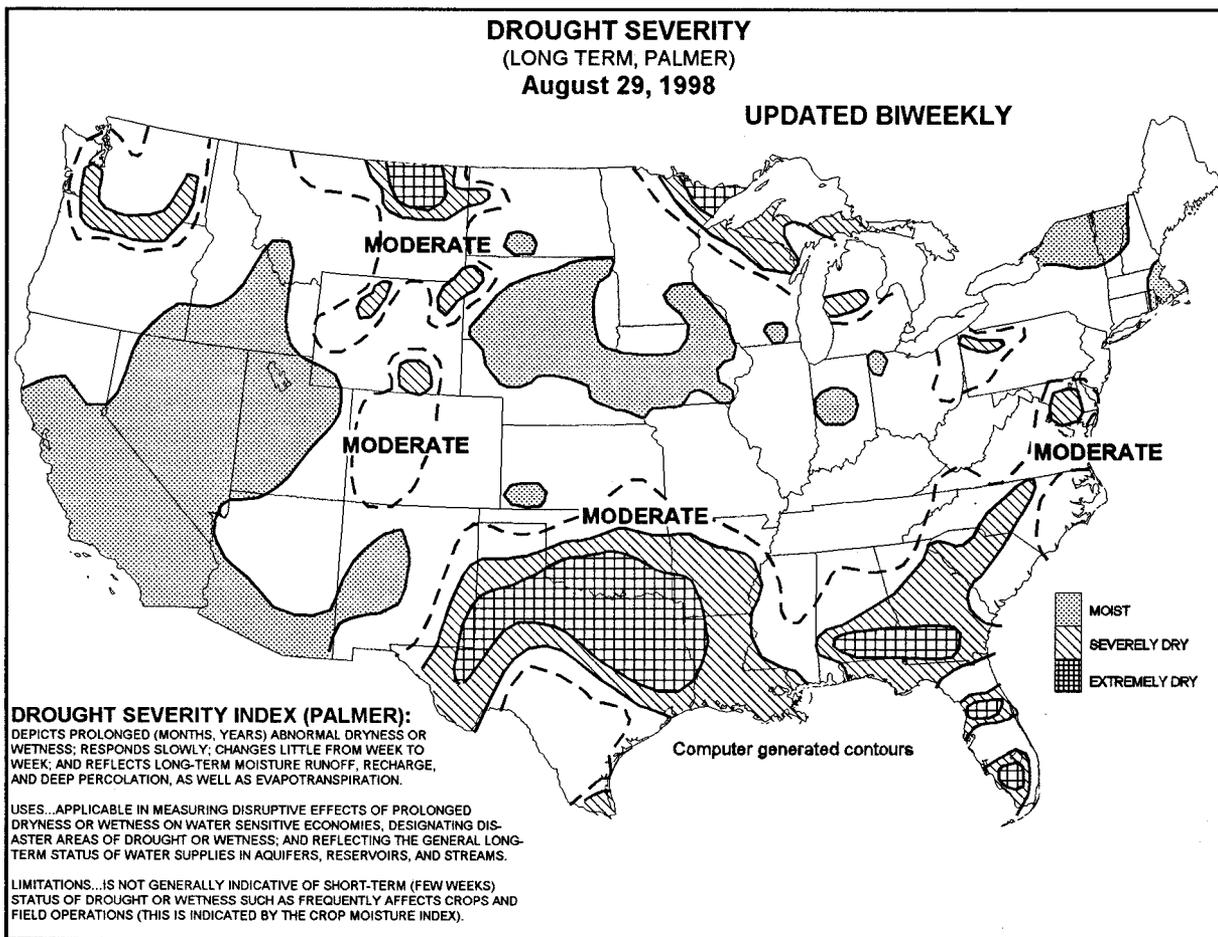
Bonnie, a Category 3 hurricane with sustained winds estimated near 115 mph, made landfall near **Cape Fear, NC** late Wednesday afternoon, near the same location where Hurricanes Bertha and Fran made landfall in 1996. Mandatory evacuations forced hundreds of thousands of vacationers and residents to flee, but kept injuries and fatalities from the storm to a minimum. After slowly tracking northeastward across **eastern North Carolina** for over 24 hours and weakening to a tropical storm, Bonnie emerged over the **Atlantic Ocean** north of **Cape Hatteras, NC** and re-intensified to a minimal hurricane, briefly battering **southeastern Virginia**. According to preliminary

(Continued on page 5)

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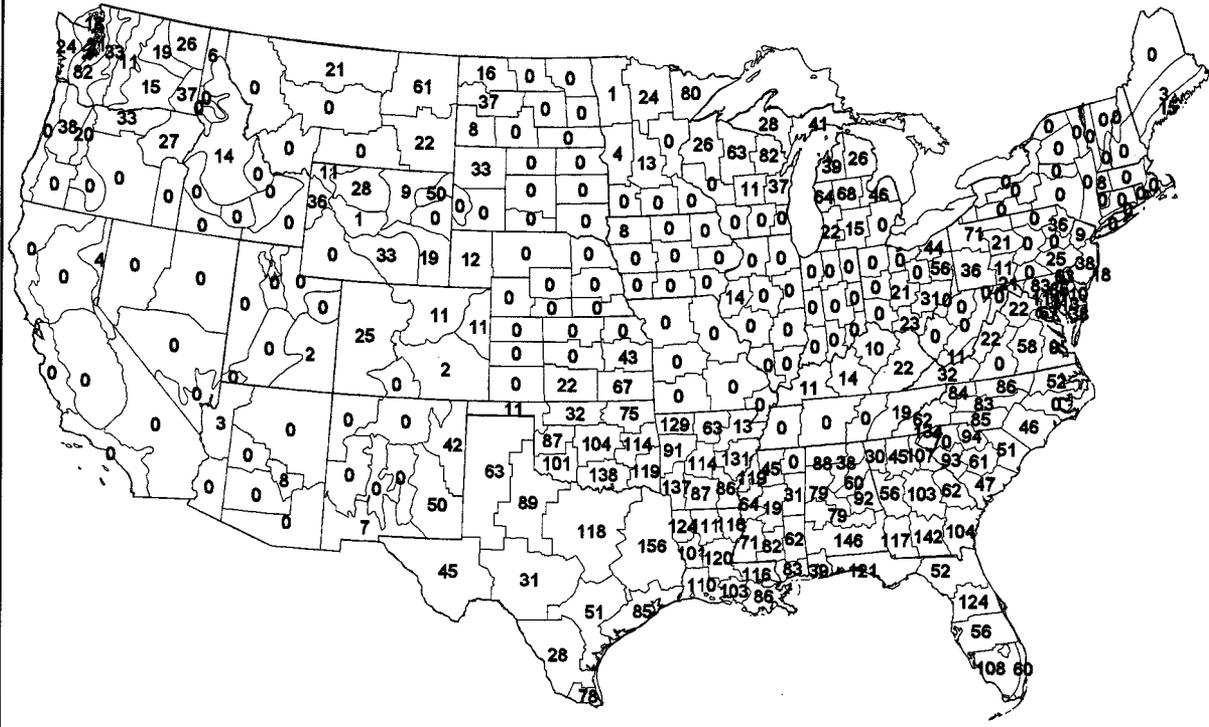
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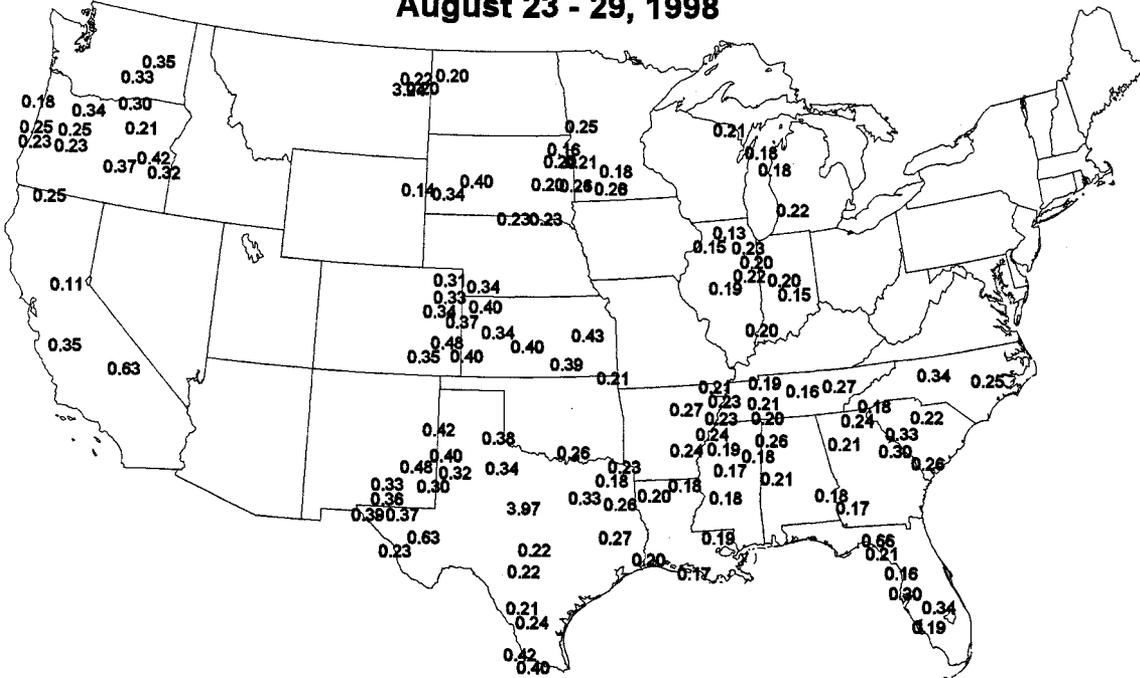
**ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX NEAR ZERO
(LONG TERM, PALMER)
August 29, 1998**

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



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

**Average Pan Evaporation (Inches/Day)
August 23 - 29, 1998**



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

(Continued from front cover)

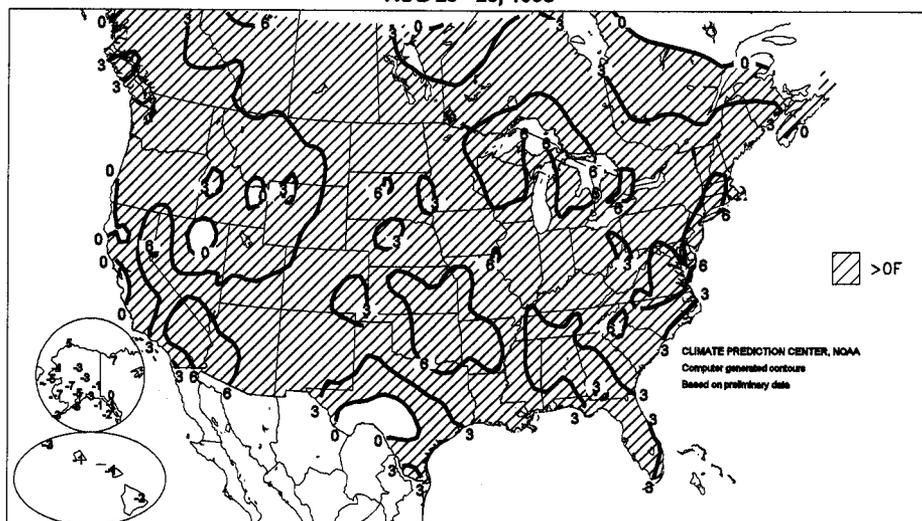
reports, Bonnie caused an estimated \$1 billion in property damage. In **southern Texas**, the remnants of Tropical Storm Charley dumped 17.03 inches of rain on **Del Rio, TX** Sunday, triggering catastrophic flash flooding. Elsewhere, an upper-air trough of low pressure responsible for initially slowing and eventually steering Bonnie back out to sea also triggered widespread showers and thunderstorms along a slow-moving cold front in the **central Great Plains, middle Mississippi Valley, and eastern Great Lakes Region**. Monsoonal showers dampened portions of the **Four Corner States**, but the remainder of the **Nation** was relatively dry as above-normal weekly temperatures were observed across much of the **lower 48 States**.

The week commenced with the demise of Tropical Depression Charley in **southern Texas**, but not before 17.03 inches of rain from Charley broke the all-time calendar day (8.79 inches on June 13, 1935) and monthly (15.79 inches during September 1964) records at **Del Rio, TX**. Before Charley, **Del Rio** had measured a scant 2.89 inches of rain the first 8 1/2 months of 1998, or about 27 percent of normal. High pressure dominated the **Pacific Northwest** and the **Southeast**, with nearly a dozen record highs set Sunday and Monday from **California** eastward to the **mid-Atlantic**. Meanwhile, a stalled cold front draped across the **Great Lakes Region** and **middle Missouri Valley** triggered showers and thunderstorms in those areas. In the **Atlantic**, all eyes were on Hurricane Bonnie as it slowly tracked northwest toward the **Carolina coast**.

To the west of Bonnie, high pressure kept the **Southeast** hot and dry as a total of two dozen record highs were set on August 25-27, with readings in the mid-to-upper 90's °F in **Florida** and near 100°F in **Georgia** and **Louisiana**. On Wednesday about 5 p.m. EDT, Hurricane Bonnie finally made landfall near Cape Fear, NC with sustained winds of 115 mph and a central pressure of 963 millibars

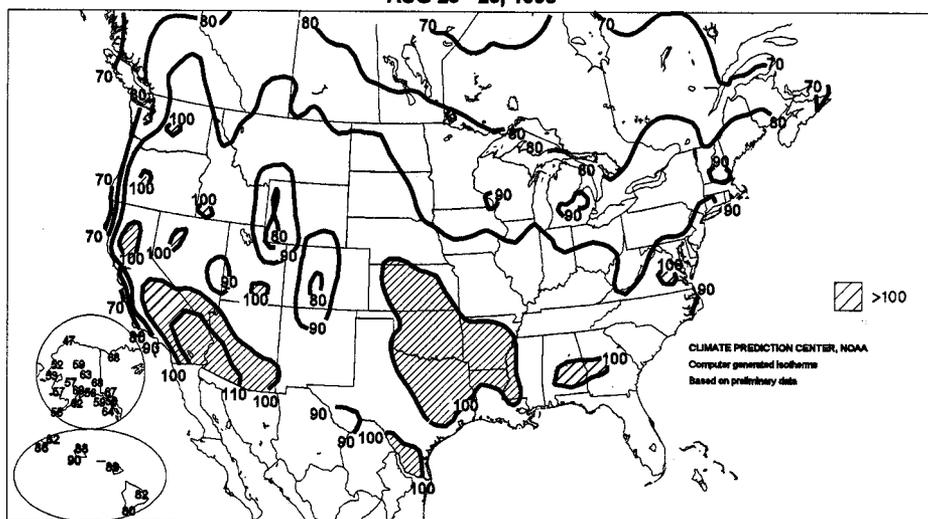
Departure of Average Temperature from Normal (°F)

AUG 23 - 29, 1998



Extreme Maximum Temperature (°F)

AUG 23 - 29, 1998



(28.44 inches). However, with no dominant steering currents to follow, Bonnie slowly drifted northeastward at 4 to 6 mph and stayed over **eastern North Carolina** for more than 24 hours before emerging back over the **Atlantic Ocean**. Largest storm totals (11.31 inches at **Jacksonville**; 9.21 inches at **Wilmington**; and 9.09 inches at **Cherry Point**) occurred just to the east of Bonnie's center, although 4 to 8 inches were common from the **Carolina's** coastal border northeastward into **southeastern Virginia** (6.88 inches at **Norfolk, VA**).

Eventually, the upper-air trough over the **Great Lakes region** picked-up Bonnie and accelerated her northeastward late in the week, away from the **New England coast**. Bonnie's only effects were some squally conditions near **eastern Long Island, Cape Cod, Nantucket, and Martha's Vineyard**. Farther to the west, a cold front generated strong thunderstorms that dropped 1 to 3 inches of rain on **eastern Iowa, northern Missouri, and western Illinois**, but convection diminished as the front weakened while it pushed eastward to the **Appalachians** by week's end. In the **Deep South** and **West**, high pressure kept the weather warm and dry as nearly 50 locations established record highs during August 28-29. In sharp contrast, cooler conditions covered **Hawaii** and **Alaska** during the week, including an August record low at **Kodiak, AK** (34°F on the 29th).

National Weather Data for Selected Cities

Weather Data for the Week Ending August 29, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511) and the Southern Regional Climate Center

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE JUN 1	PCT NORMAL SINCE JUN 1	TOTAL IN, SINCE JAN 1	PCT NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE	01 INCH OR MORE	50 INCH OR MORE
AL BIRMINGHAM	95	68	98	63	80	2	0.00	-0.76	0.00	17.10	139	51.13	134	90	38	7	0	0	0	0	
AL HUNTSVILLE	94	66	97	63	80	3	0.00	-0.76	0.00	7.44	61	32.66	85	96	37	7	0	0	0	0	
AL MOBILE	94	75	96	74	85	3	0.01	-1.53	0.01	14.88	81	53.96	119	98	47	7	0	1	0	0	
AL MONTGOMERY	98	67	100	64	82	3	0.00	-0.80	0.00	9.65	77	34.72	93	91	33	7	0	0	0	0	
AK ANCHORAGE	55	44	60	34	49	-5	1.15	0.56	0.54	6.73	131	8.46	96	96	62	0	0	6	1	0	
AK BARROW	44	39	47	34	41	5	0.06	-0.14	0.02	1.91	90	2.30	80	97	80	0	0	3	0	0	
AK FAIRBANKS	59	42	63	33	51	-3	0.17	-0.23	0.10	7.89	165	8.39	114	97	52	0	0	4	0	0	
AK JUNEAU	56	50	59	47	53	-1	3.04	1.74	0.72	14.04	115	26.88	90	99	85	0	0	7	3	0	
AK KODIAK	58	42	62	34	50	-5	0.27	-1.04	0.20	16.67	128	64.81	161	91	47	0	0	2	0	0	
AK NOME	48	40	53	33	44	-5	1.48	0.86	0.45	9.83	169	17.00	187	98	65	0	0	5	0	0	
AZ FLAGSTAFF	81	52	86	50	66	4	0.61	0.04	0.26	7.06	122	17.17	117	92	32	0	0	4	0	0	
AZ PHOENIX	106	66	113	82	96	6	0.00	-0.22	0.00	3.00	160	8.06	161	53	21	7	0	0	0	0	
AZ TUCSON	100	75	107	73	88	4	0.08	-0.37	0.08	5.82	124	11.22	151	70	23	7	0	1	0	0	
AZ YUMA	109	87	115	84	98	7	0.00	-0.14	0.00	0.53	60	2.11	113	58	21	7	0	0	0	0	
AR FORT SMITH	99	75	103	70	87	8	0.00	-0.67	0.00	7.59	83	27.01	101	87	39	7	0	0	0	0	
AR LITTLE ROCK	101	75	107	72	88	8	1.25	0.49	1.25	7.71	78	28.43	87	90	35	7	0	1	1	0	
CA BAKERSFIELD	96	67	100	62	82	0	0.00	-0.03	0.00	0.30	150	11.68	297	59	24	7	0	0	0	0	
CA EUREKA	64	52	67	48	58	0	0.01	-0.13	0.01	0.50	48	41.06	191	60	25	0	0	0	0	0	
CA FRESNO	98	68	101	62	82	3	0.00	-0.02	0.00	1.93	2144	15.97	229	72	19	7	0	0	0	0	
CA LOS ANGELES	79	68	85	64	73	2	0.01	-0.05	0.01	0.10	67	23.85	302	94	60	0	0	1	0	0	
CA REDDING	98	57	104	54	77	-1	0.00	-0.13	0.00	1.87	184	47.40	245	71	16	7	0	0	0	0	
CA SACRAMENTO	93	56	100	52	74	0	0.00	-0.03	0.00	0.31	156	23.46	217	94	28	5	0	0	0	0	
CA SAN DIEGO	78	68	86	66	73	0	0.00	-0.03	0.00	0.30	167	14.27	227	92	66	0	0	0	0	0	
CA SAN FRANCISCO	70	54	73	52	62	-2	0.00	0.00	0.00	0.03	25	28.58	233	97	61	0	0	0	0	0	
CO ALAMOSA	82	46	86	43	64	3	0.08	-0.16	0.05	2.69	93	3.83	77	89	26	0	0	2	0	0	
CO CO SPRINGS	82	57	89	52	70	3	0.96	0.35	0.61	8.12	114	14.02	108	89	37	0	0	3	1	0	
CO DENVER	88	56	93	54	72	3	0.00	-0.31	0.00	7.99	156	13.41	116	71	22	3	0	0	0	0	
CO GRAND JUNCTION	92	63	96	60	78	4	0.15	-0.04	0.09	2.64	137	5.89	108	61	19	4	0	3	0	0	
CO PUEBLO	92	57	100	49	74	2	0.24	-0.15	0.13	4.00	77	8.93	102	90	25	5	0	4	0	0	
CT BRIDGEPORT	84	71	89	69	77	6	0.85	0.15	0.76	7.69	75	34.05	122	90	59	0	0	3	1	0	
CT HARTFORD	87	67	93	61	77	7	0.94	0.09	0.94	11.37	110	33.93	119	91	49	2	0	1	1	0	
DC WASHINGTON	94	74	97	72	84	7	0.00	-0.86	0.00	6.81	63	30.86	120	88	44	6	0	0	0	0	
DE WILMINGTON	88	71	91	66	80	6	0.10	-0.64	0.10	9.64	88	29.31	106	92	51	4	0	1	0	0	
FL DAYTONA BEACH	91	78	97	74	84	3	0.00	-1.45	0.00	14.04	82	29.89	95	90	58	4	0	0	0	0	
FL JACKSONVILLE	92	73	98	71	83	2	0.42	-1.45	0.41	19.55	105	42.65	119	98	52	5	0	2	0	0	
FL KEY WEST	90	79	91	77	84	0	0.51	-0.74	0.36	5.19	39	17.48	73	88	62	5	0	2	0	0	
FL MIAMI	92	80	94	79	86	3	0.22	-1.61	0.16	23.83	108	41.50	110	96	57	7	0	3	0	0	
FL ORLANDO	94	74	96	72	84	2	0.10	-1.40	0.10	14.85	71	35.49	102	98	50	7	0	1	0	0	
FL PENSACOLA	94	78	97	74	85	4	0.01	-1.56	0.01	13.19	63	40.19	90	92	49	6	0	1	0	0	
FL TALLAHASSEE	95	72	99	69	84	3	0.72	-0.84	0.72	21.55	94	41.72	87	96	44	7	0	1	1	0	
FL TAMPA	92	77	93	74	85	3	0.04	-1.66	0.04	22.38	117	45.35	144	93	56	7	0	1	0	0	
FL WEST PALM BEACH	92	77	95	76	85	2	0.23	-1.27	0.23	16.82	84	41.15	108	91	58	7	0	1	0	0	
GA ATHENS	94	68	98	65	81	4	0.00	-0.77	0.00	7.04	57	39.65	113	96	37	6	0	0	0	0	
GA ATLANTA	90	68	93	64	79	2	0.00	-0.76	0.00	12.13	101	37.72	105	89	43	4	0	0	0	0	
GA AUGUSTA	97	68	100	60	82	4	0.00	-0.96	0.00	7.15	57	36.30	111	99	37	7	0	0	0	0	
GA COLUMBUS	98	72	101	65	85	4	0.00	-0.74	0.00	7.70	59	24.96	68	82	30	7	0	0	0	0	
GA MACON	97	66	101	62	82	2	0.00	-0.76	0.00	7.80	69	32.80	101	97	35	7	0	0	0	0	
GA SAVANNAH	94	72	97	68	83	3	0.00	-1.60	0.00	13.74	72	39.78	108	96	48	6	0	0	0	0	
HI HILO	80	69	82	68	75	-2	3.88	1.85	1.32	25.61	104	55.90	67	93	68	0	0	7	2	0	
HI HONOLULU	87	75	88	74	81	0	0.02	-0.08	0.01	0.62	42	2.54	21	81	48	0	0	2	0	0	
HI KAHULUI	86	72	89	71	79	-1	0.10	-0.01	0.04	0.43	39	2.83	21	86	53	0	0	3	0	0	
HI LIHUE	81	73	82	69	77	-3	1.75	1.36	1.11	5.43	99	12.74	50	87	65	0	0	5	1	0	
ID BOISE	90	59	98	51	74	4	0.00	-0.12	0.00	1.70	110	12.02	157	62	17	4	0	0	0	0	
ID LEWISTON	88	57	102	54	72	1	0.17	-0.02	0.17	3.36	128	11.37	136	71	22	3	0	1	0	0	
ID POCATELLO	87	44	94	39	65	-1	0.00	-0.17	0.00	1.96	86	9.42	117	73	18	3	0	0	0	0	
IL CHICAGO/O'HARE	84	65	90	61	74	4	0.00	-0.96	0.00	8.39	74	23.63	99	96	52	1	0	0	0	0	
IL MOLINE	83	65	91	59	74	4	1.79	0.88	1.27	13.91	106	32.88	121	95	63	1	0	3	1	0	
IL PEORIA	85	67	91	61	76	4	0.23	-0.47	0.22	12.09	109	32.57	133	93	55	2	0	2	0	0	
IL ROCKFORD	83	63	91	58	73	4	2.21	1.27	1.35	13.87	111	29.31	119	99	59	1	0	6	2	0	
IL SPRINGFIELD	86	67	93	59	78	4	0.78	0.04	0.76	17.48	174	36.96	155	93	55	1	0	2	1	0	
IN EVANSVILLE	90	67	95	63	78	4	0.11	-0.55	0.10	13.20	126	33.63	113	96	49	3	0	2	0	0	
IN FORT WAYNE	84	61	88	56	72	2	0.34	-0.39	0.19	12.31	121	29.87	126	97	53	0	0	5	0	0	
IN INDIANAPOLIS	87	67	91	63	77	5	0.39	-0.36	0.38	17.90	157	38.08	138	92	48	2	0	2	0	0	
IN SOUTH BEND	83	65	90	61	74	5	2.28	1.43	1.93	11.59	102	27.30	106	98	55	1	0	5	1	0	
IA BURLINGTON	90	69	97	62	80	9	1.29	0.41	1.13	11.63	97	32.10	131	90	50	4	0	3	1	0	
IA CEDAR RAPIDS	81	64	88	56	73	3	0.17	-0.74	0.09	11.96	96	28.33	120	99	65	0	0	4	0	0	
IA DES MOINES	84	68	90	62	76	4	1.17	0.23	1.14	21.81	179	34.90	148	96	60	1	0	2	1	0	
IA DUBUQUE	81	63	86	57	72	4	2.42	1.30	1.41	15.48	124	32.96	127	96	62	0	0	5	1	0	
IA SIOUX CITY	85	63	91	60	74	4	0.09	-0.57	0.05	10.41	107	24.70	130	99	53	2	0	3	0	0	
IA WATERLOO	81	62	88	55	72	3	2.11	1.34	1.07	21.32	167	36.81	152	95	57	0	0	6	2	0	
KS CONCORDIA	82	69	99	64	80	6	0.38	-0.40	0.29	12.44	109	22.54	104	88	48	5	0	2	0	0	
KS DODGE CITY	96	68	101	64	82	6	0.89	0.33	0.88	7.71	86	15.30	92	81	30	7	0	2	1	0	
KS GOODLAND	89	61	96	56																	

Weather Data for the Week Ending August 29, 1998

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 JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP, °F		PRECIP.	
																		01 INCH OR MORE	.50 INCH OR MORE		
WICHITA	98	71	102	66	86	7	1.47	0.75	0.87	7.17	70	17.78	86	83	30	7	0	3	2		
KY JACKSON	87	68	90	62	76	4	0.13	-0.88	0.12	13.07	100	40.42	119	91	48	1	0	2	0		
LEXINGTON	90	66	93	61	78	4	0.10	-0.71	0.08	19.16	155	41.50	133	93	44	4	0	3	0		
LOUISVILLE	90	70	96	66	80	5	0.84	-0.10	0.47	19.35	171	39.48	127	88	46	4	0	2	0		
PADUCAH	91	68	96	61	78	3	0.00	-0.77	0.00	22.16	199	42.13	127	93	47	0	0	0	0		
LA BATON ROUGE	97	74	100	71	86	4	0.00	-1.27	0.00	9.12	54	39.09	92	98	41	7	0	0	0		
LAKE CHARLES	95	77	100	75	86	5	0.20	-1.04	0.20	10.70	71	32.07	90	97	52	7	0	1	0		
NEW ORLEANS	95	78	99	76	86	5	0.00	-1.38	0.00	18.21	103	52.55	123	96	52	7	0	0	0		
SHREVEPORT	89	75	102	73	87	5	0.06	-0.47	0.05	8.11	79	26.36	86	87	38	7	0	2	0		
ME CARIBOU	72	58	77	47	64	3	1.09	0.20	0.43	10.79	101	28.85	116	98	57	0	0	5	0		
PORTLAND	80	62	87	58	71	5	2.44	1.80	0.94	15.48	188	37.45	136	100	81	0	0	5	3		
MD BALTIMORE	91	69	96	63	80	6	0.00	-0.87	0.00	5.59	51	29.68	108	91	46	4	0	0	0		
MA BOSTON	82	67	92	64	75	4	1.09	0.35	0.39	17.43	194	42.32	159	93	61	1	0	4	0		
WORCESTER	81	65	87	62	73	7	1.33	0.42	0.90	13.85	121	38.30	119	96	55	0	0	2	0		
MI ALPENA	81	59	85	54	70	7	2.18	1.41	1.65	6.50	71	21.95	116	99	47	0	0	3	2		
MI GRAND RAPIDS	86	64	93	59	75	7	0.85	-0.22	0.28	6.21	61	23.22	103	95	43	2	0	3	0		
MI HOUGHTON LAKE	83	58	88	45	69	6	0.20	-0.60	0.17	4.22	48	14.75	81	97	42	0	0	2	0		
MI LANSING	84	61	91	62	73	6	0.59	-0.19	0.35	8.20	89	21.85	111	98	47	2	0	4	0		
MI MARQUETTE	78	54	80	50	65	5	0.37	-0.48	0.24	7.88	81	10.51	89	93	48	0	0	0	0		
MI MUSKEGON	80	63	85	54	72	5	0.70	-0.15	0.38	3.98	52	15.98	82	97	57	0	0	4	0		
MN DULUTH	78	58	83	54	68	7	0.95	0.04	0.72	10.38	93	20.31	100	95	48	0	0	3	1		
MN INTL FALLS	77	56	84	47	67	5	1.18	0.49	0.66	8.49	81	16.03	94	97	51	0	0	5	1		
MN MINNEAPOLIS	82	62	86	58	72	4	0.17	-0.62	0.16	15.18	138	28.15	137	96	47	0	0	2	0		
MN ROCHESTER	79	61	85	55	70	4	0.94	0.09	0.75	13.17	114	24.88	118	98	57	0	0	3	1		
MN ST. CLOUD	81	57	85	53	69	4	0.41	-0.50	0.24	10.86	96	19.00	97	97	47	0	0	4	0		
MS JACKSON	98	71	100	67	85	5	0.00	-0.80	0.00	11.69	104	38.04	101	93	36	7	0	0	0		
MS MERIDIAN	95	68	98	63	82	2	0.01	-0.73	0.01	15.04	124	43.57	111	99	41	7	0	1	0		
MS TUPELO	94	68	96	63	81	3	0.01	-0.65	0.01	12.06	110	37.08	98	96	43	7	0	1	0		
MO COLUMBIA	89	68	95	64	79	5	0.04	-0.72	0.03	13.09	119	29.96	114	92	53	3	0	2	0		
MO KANSAS CITY	89	70	96	65	79	5	1.47	0.52	1.21	17.14	133	26.53	103	91	57	3	0	3	1		
MO SAINT LOUIS	90	73	98	67	82	6	0.00	-0.61	0.00	15.40	150	35.46	141	84	48	3	0	0	0		
MO SPRINGFIELD	91	70	96	64	80	5	0.32	-0.57	0.29	13.85	123	33.78	122	92	51	5	0	3	0		
MT BILLINGS	87	56	94	52	71	3	0.00	-0.28	0.00	6.89	173	11.41	105	70	19	2	0	0	0		
MT BUTTE	83	38	91	34	60	2	0.02	-0.28	0.02	5.41	117	12.07	133	83	20	1	0	1	0		
MT GLASGOW	89	56	94	51	72	5	0.00	-0.28	0.00	6.17	121	9.76	114	67	20	3	0	0	0		
MT GREAT FALLS	84	48	92	43	66	1	0.27	-0.09	0.27	8.40	166	14.25	123	74	17	2	0	1	0		
MT KALISPELL	82	41	93	37	61	0	0.00	-0.33	0.00	6.22	134	15.20	136	93	23	1	0	0	0		
MT MILES CITY	90	57	98	52	73	4	0.45	0.19	0.38	6.90	128	10.14	95	75	16	5	0	2	0		
MT MISSOULA	84	44	94	41	64	0	0.00	-0.28	0.00	8.10	213	16.33	171	84	21	2	0	0	0		
NE GRAND ISLAND	90	64	97	62	77	5	0.08	-0.58	0.08	9.15	98	21.62	115	91	41	5	0	1	0		
NE LINCOLN	88	67	98	64	78	5	2.00	1.20	1.34	12.97	126	25.69	127	93	51	4	0	2	2		
NE NORFOLK	85	63	90	59	74	4	0.55	0.00	0.55	19.42	193	28.76	150	95	53	1	0	1	1		
NE NORTH PLATTE	87	56	93	47	71	2	0.02	-0.32	0.02	12.51	155	18.08	117	96	41	3	0	1	0		
NE OMAHA	86	67	91	64	76	4	0.55	-0.21	0.39	19.85	191	34.63	164	97	58	2	0	2	0		
NE SCOTTSBLUFF	90	55	95	48	73	4	0.04	-0.18	0.04	6.89	120	12.02	99	90	23	3	0	1	0		
NE VALENTINE	91	55	96	50	73	3	0.00	-0.45	0.00	12.92	160	18.50	126	91	29	5	0	0	0		
NV ELY	89	47	94	40	68	4	0.01	-0.19	0.01	3.28	136	8.53	124	57	13	4	0	1	0		
NV LAS VEGAS	105	82	109	75	89	6	0.00	-0.11	0.00	0.72	77	5.08	184	36	16	7	0	0	0		
NV RENO	92	56	100	49	74	6	0.00	-0.08	0.00	1.39	136	8.70	178	52	14	6	0	0	0		
NV WINNEMUCCA	92	43	101	37	68	0	0.00	-0.11	0.00	0.86	61	10.31	191	42	15	5	0	0	0		
NH CONCORD	84	59	90	53	71	6	0.47	-0.25	0.23	11.24	118	27.22	116	98	44	1	0	3	0		
NJ NEWARK	89	72	93	69	81	6	0.27	-0.58	0.23	10.50	92	37.04	125	87	48	4	0	4	0		
NM ALBUQUERQUE	90	67	94	62	78	4	0.51	0.16	0.51	3.59	102	7.38	124	69	25	4	0	1	1		
NY ALBANY	83	62	89	59	73	5	0.62	-0.25	0.39	10.80	107	29.41	122	94	52	0	0	4	0		
NY BINGHAMTON	81	61	85	58	71	6	0.16	-0.58	0.08	9.06	88	30.34	125	98	51	0	0	3	0		
NY BUFFALO	80	64	85	59	72	5	0.38	-0.60	0.23	9.16	87	27.18	112	95	57	0	0	3	0		
NY ROCHESTER	81	61	84	58	71	4	3.43	2.65	2.52	18.84	209	34.55	167	97	58	0	0	5	2		
NY SYRACUSE	82	62	85	57	72	5	2.85	2.05	1.79	12.74	117	28.17	114	94	53	0	0	3	2		
NC ASHEVILLE	90	63	92	61	77	6	0.00	-1.03	0.00	7.85	60	38.82	119	98	42	4	0	0	0		
NC CHARLOTTE	92	68	95	65	80	3	0.00	-0.83	0.00	10.19	94	30.48	104	92	47	6	0	0	0		
NC GREENSBORO	91	70	94	68	80	6	0.00	-0.83	0.00	14.24	119	39.69	137	95	55	5	0	0	0		
NC HATTERAS	84	76	85	68	80	2	5.76	4.40	4.89	21.24	145	49.77	138	92	74	0	0	4	2		
NC RALEIGH	92	72	97	67	82	6	0.57	-0.30	0.34	13.21	115	40.72	141	90	50	5	0	3	0		
NC WILMINGTON	89	72	93	65	80	2	9.45	8.01	7.11	19.88	95	50.58	128	95	58	3	0	3	2		
ND BISMARCK	84	57	90	52	71	5	0.09	-0.27	0.08	14.20	220	18.11	151	94	37	1	0	2	0		
ND DICKINSON	85	57	92	52	71	5	0.09	-0.24	0.09	10.72	161	16.34	130	84	27	1	0	1	0		
ND FARGO	85	59	90	53	72	6	0.41	-0.1													

Weather Data for the Week Ending August 29, 1998

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	92 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		0.1	0.5	1	5
OK TOLEDO	82	63	87	59	73	5	2.08	1.29	1.48	10.82	108	27.18	124	99	56	0	0	4	1		
OK YOUNGSTOWN	81	61	88	56	71	4	1.81	0.87	0.95	8.89	78	27.50	110	97	55	0	0	3	1		
OK OKLAHOMA CITY	101	73	104	89	87	7	0.00	-0.86	0.00	3.18	34	19.50	86	73	28	7	0	0	0		
OR TULSA	100	78	103	89	88	8	0.05	-0.75	0.03	9.40	90	27.52	103	79	32	7	0	2	0		
OR ASTORIA	69	54	78	48	62	1	0.07	-0.30	0.05	2.32	49	45.52	123	99	68	0	0	3	0		
OR BURNS	86	42	98	35	84	2	0.00	-0.17	0.00	1.37	74	11.82	190	61	13	2	0	0	0		
OR EUGENE	83	48	94	42	66	-1	0.00	-0.29	0.00	0.79	27	27.82	102	94	29	1	0	0	0		
OR MEDFORD	91	55	98	51	73	2	0.00	-0.14	0.00	0.67	52	17.96	181	77	22	3	0	0	0		
OR PENDLETON	88	56	99	49	72	1	0.00	-0.14	0.00	1.52	101	9.12	123	61	22	3	0	0	0		
OR PORTLAND	81	59	91	55	70	2	0.00	-0.30	0.00	2.32	74	25.01	123	87	35	1	0	0	0		
OR SALEM	82	52	92	47	67	1	0.00	-0.21	0.00	1.12	43	28.50	133	91	32	1	0	0	0		
PA ALLENTOWN	85	65	87	62	75	5	0.33	-0.63	0.17	9.27	78	30.20	104	97	55	0	0	4	0		
PA ERIE	82	65	87	61	73	5	0.67	-0.29	0.28	7.59	87	24.74	97	94	57	0	0	5	0		
PA MIDDLETOWN	87	69	90	68	78	6	0.02	-0.72	0.02	14.25	135	39.89	147	89	51	1	0	1	0		
PA PHILADELPHIA	90	73	93	67	82	8	0.11	-0.72	0.08	8.00	69	25.89	91	89	48	5	0	3	0		
PA PITTSBURGH	81	64	88	60	72	3	1.77	1.08	0.97	12.05	115	27.54	108	94	51	0	0	3	2		
PA WILKES-BARRE	81	64	84	60	72	4	0.91	0.14	0.60	9.84	89	27.84	115	95	54	0	0	2	1		
PA WILLIAMSPORT	84	64	87	59	74	5	0.31	-0.43	0.25	8.53	74	33.99	128	99	54	0	0	2	0		
RI PROVIDENCE	84	68	91	61	78	6	0.85	0.02	0.62	13.35	134	42.57	145	97	61	2	0	4	1		
SC BEAUFORT	93	75	96	69	84	4	0.09	-1.63	0.08	13.11	66	41.82	110	96	54	8	0	2	0		
SC CHARLESTON	82	74	97	67	83	3	0.00	-1.54	0.00	14.16	70	46.08	122	91	53	5	0	0	0		
SC COLUMBIA	96	73	99	65	84	6	0.00	-1.28	0.00	10.51	68	36.27	100	84	38	7	0	0	0		
SC GREENVILLE	95	69	98	68	82	6	0.00	-0.86	0.00	9.43	72	38.37	109	90	38	7	0	0	0		
SD ABERDEEN	84	58	88	53	71	3	0.35	-0.10	0.22	10.80	134	19.63	138	97	45	0	0	4	0		
SD HURON	87	61	92	57	74	5	1.09	0.87	0.97	6.46	82	15.83	102	94	43	2	0	4	1		
SD RAPID CITY	88	58	94	50	72	4	0.00	-0.35	0.00	8.33	125	12.92	98	80	29	3	0	0	0		
SD SIOUX FALLS	82	60	87	54	71	2	0.89	0.22	0.53	10.41	119	21.16	124	99	51	0	0	4	1		
TN BRISTOL	91	62	93	58	76	4	0.02	-0.85	0.01	10.98	101	34.04	120	99	43	5	0	2	0		
TN CHATTANOOGA	94	67	97	66	81	4	0.03	-0.74	0.03	13.47	115	42.51	118	93	38	7	0	1	0		
TN KNOXVILLE	92	67	94	65	80	5	0.00	-0.84	0.00	15.73	136	42.72	130	93	42	7	0	0	0		
TN MEMPHIS	96	73	98	67	84	4	0.01	-0.76	0.01	13.57	128	41.93	121	86	42	7	0	1	0		
TN NASHVILLE	92	68	94	63	80	3	0.00	-0.77	0.00	18.60	171	39.91	124	90	41	7	0	0	0		
TX ABILENE	98	72	98	70	84	2	0.16	-0.53	0.16	3.73	49	9.84	82	89	37	7	0	1	0		
TX AMARILLO	94	66	97	59	80	5	0.58	-0.14	0.51	1.98	21	8.70	59	83	27	7	0	2	1		
TX AUSTIN	95	77	102	78	86	2	0.27	-0.26	0.28	3.85	50	14.35	69	95	52	6	0	2	0		
TX BEAUMONT	94	78	99	75	85	3	0.00	-1.27	0.00	12.15	76	33.23	91	99	53	7	0	0	0		
TX BROWNSVILLE	95	78	98	78	87	3	0.05	-0.79	0.03	1.36	19	4.11	28	95	51	6	0	2	0		
TX CORPUS CHRISTI	93	78	95	72	84	1	0.88	-0.03	0.63	3.94	45	10.19	55	98	56	6	0	3	1		
TX DEL RIO	90	75	97	72	82	-2	17.81	17.42	17.03	21.89	412	23.43	203	98	61	4	0	3	1		
TX EL PASO	94	72	98	67	83	4	0.00	-0.36	0.00	2.89	78	3.31	82	70	33	7	0	0	0		
TX FORT WORTH	99	79	103	77	89	6	0.00	-0.55	0.00	2.22	30	18.59	83	74	33	7	0	0	0		
TX GALVESTON	90	80	94	78	85	2	0.42	-0.76	0.42	18.80	149	33.44	128	99	72	5	0	0	0		
TX HOUSTON	95	74	100	73	85	3	0.14	-0.73	0.12	8.63	73	22.49	78	99	50	6	0	3	0		
TX LUBBOCK	89	66	92	62	77	1	1.81	1.03	1.61	4.82	85	8.45	67	91	43	2	0	1	1		
TX MIDLAND	90	71	95	68	81	1	0.13	-0.30	0.08	1.89	39	3.07	33	89	42	4	0	2	0		
TX SAN ANGELO	89	72	95	69	80	-1	0.20	-0.36	0.20	4.14	80	8.97	71	94	50	4	0	1	0		
TX SAN ANTONIO	91	75	95	73	83	-1	2.05	1.41	1.97	8.81	106	18.68	93	94	54	6	0	2	1		
TX VICTORIA	94	76	98	74	85	1	1.63	0.82	1.26	6.26	57	14.11	60	98	53	6	0	3	1		
TX WACO	100	74	104	71	87	3	0.03	-0.43	0.03	1.89	28	15.89	77	86	36	7	0	1	0		
TX WICHITA FALLS	100	75	102	72	87	6	0.02	-0.65	0.02	6.54	87	16.96	88	76	29	7	0	1	0		
UT SALT LAKE CITY	88	60	96	53	74	1	0.33	0.11	0.33	5.87	228	18.47	172	73	22	2	0	1	0		
VT BURLINGTON	79	59	84	58	69	3	1.74	0.84	1.35	24.80	227	41.00	182	98	60	0	0	3	1		
VA LYNCHBURG	90	68	94	62	78	4	0.01	-0.75	0.01	10.93	99	40.17	147	97	38	5	0	1	0		
VA NORFOLK	91	74	96	72	82	6	3.20	2.17	2.48	12.68	95	39.35	126	91	57	4	0	3	2		
VA RICHMOND	94	72	100	69	83	7	0.82	-0.09	0.74	8.82	67	36.01	122	93	45	5	0	4	1		
VA ROANOKE	92	68	94	65	80	7	0.00	-0.91	0.00	9.08	83	39.29	144	83	39	5	0	0	0		
VA WASH/DULLES	94	68	97	62	81	8	0.06	-0.82	0.06	7.86	69	31.94	119	89	41	6	0	2	0		
WA HANFORD	90	61	99	50	76	-	0.00	-	0.00	0.82	-	4.36	-	80	22	4	0	1	0		
WA OLYMPIA	78	47	86	42	63	0	0.01	-0.34	0.01	1.82	50	26.57	96	100	40	0	0	1	0		
WA QUILLYAYTE	71	47	85	39	59	0	0.03	-0.82	0.01	3.30	41	47.91	81	98	56	0	0	3	0		
WA SEATTLE-TACOMA	76	58	83	52	66	1	0.01	-0.29	0.01	1.79	54	19.19	95	93	45	0	0	1	0		
WA SPOKANE	82	54	93	49	68	1	0.28	0.11	0.28	1.39	53	10.22	100	73	20	2	0	1	0		
WA YAKIMA	86	52	98	45	69	2	0.03	-0.08	0.03	0.77	72	6.83	148	85	27	2	0	1	0		
WV BECKLEY	84	60	87	57	72	4	0.13	-0.58	0.13	12.56	107	38.23	135	100	49	0	0	1	0		
WV CHARLESTON	86	64	90	61	75	2	0.01	-0.81	0.01	18.10	148	39.21	134	100	52	1	0	1	0		
WV ELKINS	82	57	87	54	69	3	0.10	-0.85	0.05	18.33	140	37.54	122	100	59	0	0	6	0		
WV HUNTINGTON	88	65	91	60	77	5	0.01	-0.77	0.01	13.83	117	35.46	123	95	41	3	0	1	0		
WI EAU CLAIRE	83	61	88	57	72	6	0.00	-1.02	0.00	8.92	72	24.07	107	96	45	0	0	0	0		
WI GREEN BAY	84	60	88	52	72	6	0.16	-0.88	0.11	11.04	113	21.77	113	95	50	0	0	3	0		
WI MADISON	81	63	87	55	72	6	0.77	-0.14	0.28	14.20	131	32.02	162	96	55	0	0	4	0		
WI MILWAUKEE	83	67	90	61	75	7	1.32	0.52	0.80	10.81	108	28.24	119	95	63	1	0	5	1		
WY CASPER	88	51	95	44	70	3	0.02	-0.12	0.02	5.47	164	8.78	98	75	16	3	0	1	0		
WY CHEYENNE	86</																				

National Agricultural Summary

August 24 - 30, 1998

HIGHLIGHTS

Above-normal temperatures prevailed over nearly the entire country, pushing row crop development rapidly toward maturity. Rains replenished soil moisture and aided crop development along an arc extending from northeast Kansas through the central and eastern Corn Belt. Scattered showers rejuvenated late-maturing crops in parts of the southern Plains,

but the heat and dry conditions stressed crops across most of the Southeast. Dry weather aided harvest progress in the northern Plains and Pacific Northwest, and allowed field preparations for winter wheat seeding to continue in the central and southern Great Plains. Heavy rains flooded crops in low-lying fields along the middle Atlantic Coastal Plains.

Corn: High temperatures pushed corn in the dough stage or beyond to 92 percent, and corn dented or beyond advanced to 65 percent. Progress for both stages averaged a week or more ahead of normal, with some areas of the Corn Belt up to 3 weeks ahead of the 5-year average. In Michigan and Minnesota, corn dented progress was 3 times the normal pace. Fourteen percent of the crop has ripened, nearly double the normal rate, as hot weather quickly dried maturing fields. In the Missouri Bootheel, dry weather has allowed a third of the crop to be harvested. Crop conditions remained mostly unchanged, as several pockets were aided by soaking rains. However, other areas of the Corn Belt were becoming stressed by the heat and lack of rain. Also, severe winds damaged some fields in the central and eastern Corn Belt, flattening plants in a few isolated fields.

Soybeans: Soybeans setting pods advanced to 94 percent, compared with the average pace of 91 percent. Pod setting slowed in the Corn Belt as progress neared 100 percent, but development along the lower Mississippi and Ohio Valleys continued at a rapid pace. Nationally, 5 percent was dropping leaves, as heat quickly matured fields in the Mississippi Delta and parts of the central and northern Great Plains. Conditions improved in parts of the Corn Belt, where additional rain was received, and slightly deteriorated, where conditions remained hot and dry.

Cotton: Thirty-seven percent of the crop had bolls opening, compared with 27 percent the previous week and 28 percent normally opening bolls by this date. Progress was most advanced in the Mississippi Delta States, followed by the southern Plains and Southeast. Development lagged significantly in the Southwest, where bolls were opening at less than half the normal pace. Harvest was nearly complete along the western Gulf Coast, but was temporarily delayed by rain. Dryland fields in the southern Plains benefited from recent rains, but were still under stress from excessive dryness. Boll rot and insect pressures continued to hamper fields in parts of the Mississippi Delta.

Small grains: Dry weather in the northern Great Plains and in the Pacific Northwest allowed the small grain harvest to continue at a good pace. Spring wheat harvested advanced to 89 percent, and the barley harvest was 91 percent complete. Many farmers in the northern Great Plains finished combining nearly 3 weeks early. Harvest was not as advanced in the northern Rocky Mountains and Pacific Northwest, but the pace was rapid and progress was at least a week ahead of normal.

Rice: Ninety-four percent of the Nation's rice has developed to the heading stage or beyond, slightly behind the 5-year average. Hot weather accelerated development in California, where heading progress leaped from 60 to 85 percent, but remained well behind the 96 percent average for this date. Harvest progress reached 26 percent, compared with the 20 percent average. In the lower Mississippi Delta and western Gulf Coast, harvest continued at a steady pace and remained more than a week ahead of normal. Warm weather aided crop conditions in California.

Sorghum: Ninety-six percent of the crop has headed, 62 percent has begun turning color, and 26 percent has ripened. Warm weather accelerated development in the southern Corn Belt and central Great Plains, where fields were rapidly turning color. In the lower Mississippi Delta, nearly all fields were mature. Conditions declined slightly, as hot, dry weather stressed fields in the central Great Plains.

Other crops: The peanut harvest began along parts of the southern Atlantic Coast and southern Plains and coastal areas of the eastern Gulf Coast. However, harvest had not started in the inland peanut-producing areas of the Southeast. With a return of hot, dry weather, peanut conditions began to deteriorate after a few weeks of modest improvements. Field preparations continued for winter wheat seeding in the Great Plains and a few fields were planted in the southern Plains.

Crop Progress and Condition

Week Ending August 30, 1998

Corn Percent Dough				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
CO	81	55	68	66
GA	100	100	100	100
IL	90	83	85	85
IN	93	83	90	89
IA	92	75	82	69
KS	99	97	96	91
KY	95	89	95	96
MI	97	65	29	44
MN	99	95	79	62
MO	100	93	99	90
NE	94	86	92	83
NC	95	90	99	97
OH	86	75	85	86
PA	73	70	62	70
SD	90	80	75	68
TX	100	97	98	98
WI	84	69	59	62
ALL	92	82	82	77

These 17 States planted 90% of last year's corn acreage.

Corn Percent Dented				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
CO	29	0	26	23
GA	100	97	99	100
IL	63	44	50	47
IN	58	35	34	40
IA	71	26	39	34
KS	80	50	70	62
KY	83	65	71	77
MI	60	21	4	13
MN	74	52	22	24
MO	85	69	78	69
NE	71	41	38	39
NC	80	70	84	89
OH	41	20	16	31
PA	29	13	26	28
SD	50	29	32	27
TX	97	92	87	89
WI	49	22	7	21
ALL	65	39	39	40

These 17 States planted 90% of last year's corn acreage.

Corn Percent Mature				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
CO	0	NA	0	0
GA	98	NA	94	97
IL	11	NA	3	3
IN	15	NA	3	3
IA	11	NA	6	5
KS	27	NA	16	17
KY	23	NA	18	22
MI	7	NA	0	0
MN	2	NA	0	1
MO	45	NA	21	21
NE	3	NA	0	2
NC	60	NA	64	73
OH	3	NA	0	1
PA	3	NA	4	3
SD	12	NA	6	3
TX	81	NA	59	61
WI	5	NA	0	2
ALL	14	NA	7	8

These 17 States planted 90% of last year's corn acreage.

Sorghum Percent Headed				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AR	100	99	100	99
CO	97	90	91	82
IL	88	79	96	90
KS	98	95	97	94
LA	100	100	100	99
MS	100	100	100	100
MO	100	97	100	94
NE	99	97	97	94
NM	47	35	83	72
OK	88	86	87	87
SD	94	78	94	88
TX	97	96	94	96
ALL	96	93	95	93

These 12 States planted 99% of last year's sorghum acreage.

Sorghum Percent Coloring				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AR	81	63	76	83
CO	21	8	12	21
IL	47	16	36	30
KS	50	30	49	37
LA	99	99	96	93
MS	95	92	89	91
MO	75	57	64	55
NE	61	20	34	31
NM	15	11	10	14
OK	51	43	50	41
SD	55	33	31	26
TX	81	75	74	78
ALL	62	46	55	51

These 12 States planted 99% of last year's sorghum acreage.

Sorghum Percent Mature				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AR	39	NA	13	38
CO	0	NA	0	0
IL	3	NA	0	1
KS	8	NA	6	4
LA	95	NA	80	70
MS	71	NA	59	64
MO	27	NA	8	12
NE	2	NA	0	1
NM	0	NA	0	0
OK	6	NA	4	10
SD	10	NA	3	4
TX	58	NA	54	64
ALL	26	NA	22	25

These 12 States planted 99% of last year's sorghum acreage.

Rice Percent Headed				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AR	95	90	98	96
CA	85	60	100	96
LA	99	97	96	96
MS	95	92	89	95
TX	100	99	99	99
ALL	94	87	97	96

These 5 States planted 96% of last year's rice acreage.

Rice Percent Harvested				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AR	6	1	1	6
CA	0	0	9	2
LA	77	66	63	61
MS	21	8	3	11
TX	77	64	32	55
ALL	26	19	17	20

These 5 States planted 96% of last year's rice acreage.

Spring Wheat Percent Harvested				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
ID	80	53	58	52
MN	95	91	67	56
MT	87	74	53	50
ND	86	74	64	49
SD	99	96	92	93
ALL	89	79	65	56

These 5 States planted 96% of last year's spring wheat acreage.

Crop Progress and Condition

Week Ending August 30, 1998

Soybeans Percent Setting Pods				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AL	78	75	71	74
AR	82	70	81	79
GA	80	71	82	83
IL	91	86	98	93
IN	96	87	96	94
IA	100	99	100	96
KS	98	97	95	89
KY	77	62	74	74
LA	99	96	99	96
MI	100	98	100	94
MN	99	99	99	96
MS	98	96	89	90
MO	89	77	94	84
NE	99	97	100	96
NC	73	51	73	68
OH	100	96	99	96
SC	60	45	68	67
SD	97	92	99	92
TN	80	69	72	76
ALL	94	89	95	91

These 19 States planted 93% of last year's soybean acreage.

Soybeans Percent Dropping Leaves				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AL	4	1	3	3
AR	3	1	1	4
GA	5	1	2	6
IL	1	0	1	1
IN	9	5	4	3
IA	0	0	1	1
KS	11	10	8	6
KY	5	1	1	4
LA	25	12	15	12
MI	9	0	0	1
MN	4	0	0	1
MS	26	19	16	13
MO	0	0	0	0
NE	1	0	1	2
NC	0	0	0	0
OH	5	0	2	3
SC	0	0	4	1
SD	16	8	9	10
TN	0	0	0	2
ALL	5	2	3	3

These 19 States planted 93% of last year's soybean acreage.

Cotton Percent Bolls Opening				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AL	38	22	18	20
AZ	38	19	66	76
AR	32	9	9	20
CA	1	1	56	36
GA	37	31	9	31
LA	79	62	39	46
MS	73	53	16	44
MO	24	14	14	16
NM	13	7	26	23
NC	25	13	12	19
OK	25	10	2	6
SC	31	25	13	17
TN	23	10	3	17
TX	37	31	22	25
ALL	37	27	22	26

These 14 States planted 98% of last year's cotton acreage.

Barley Percent Harvested				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
ID	74	55	64	55
MN	98	97	75	71
MT	88	69	53	48
ND	95	88	77	68
SD	98	97	89	95
WA	92	80	92	79
ALL	91	79	71	64

These 6 States planted 83% of last year's barley acreage.

Peanuts Percent Harvested				
	Aug 30 1998	Prev Week	Prev Year	5-Yr Avg
AL	0	NA	0	0
FL	9	NA	8	2
GA	0	NA	1	1
NC	0	NA	0	0
OK	0	NA	0	0
SC	5	NA	7	7
TX	1	NA	1	1
VA	0	NA	0	0
ALL	1	NA	1	1

These 8 States planted 99% of last year's peanut acreage.

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	5	7	42	43	3
AR	9	23	35	29	4
GA	29	23	33	14	1
IL	3	7	25	48	17
IN	2	6	26	48	18
IA	2	4	18	47	29
KS	0	4	21	52	23
KY	1	5	29	50	15
LA	13	25	34	24	4
MI	2	17	35	39	7
MN	0	4	21	52	23
MS	5	16	34	39	6
MO	3	14	30	41	12
NE	0	1	14	68	17
NC	3	11	20	61	5
OH	2	5	23	50	20
SC	11	24	45	20	0
SD	0	2	12	53	33
TN	3	9	20	50	18
ALL	3	8	24	47	18
Prev Wk	3	8	24	46	19
Prev Yr	2	8	29	49	12

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	4	6	59	30
GA	36	29	25	9	1
IL	2	7	26	51	14
IN	2	6	29	47	16
IA	2	7	22	46	23
KS	0	3	19	57	21
KY	1	3	25	54	17
MI	6	22	30	38	4
MN	1	5	19	50	25
MO	2	12	32	41	13
NE	0	2	13	63	22
NC	10	30	38	19	3
OH	2	5	23	51	19
PA	3	9	28	50	10
SD	0	3	12	50	35
TX	7	17	31	42	3
WI	4	6	19	45	26
ALL	2	7	22	50	19
Prev Wk	3	7	22	48	20
Prev Yr	3	8	27	48	14

Crop Progress and Condition

Week Ending August 30, 1998

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	13	9	34	42	2
AZ	3	16	47	22	12
AR	1	15	38	38	8
CA	0	0	60	40	0
GA	13	25	34	26	2
LA	18	12	35	30	5
MS	3	9	37	43	8
MO	10	25	34	30	1
NM	0	0	21	53	26
NC	1	3	25	65	6
OK	17	14	25	37	7
SC	9	20	38	33	0
TN	2	10	28	48	12
TX	25	26	29	17	3
ALL	14	18	34	30	4
Prev Wk	14	18	32	31	5
Prev Yr	1	10	29	49	11

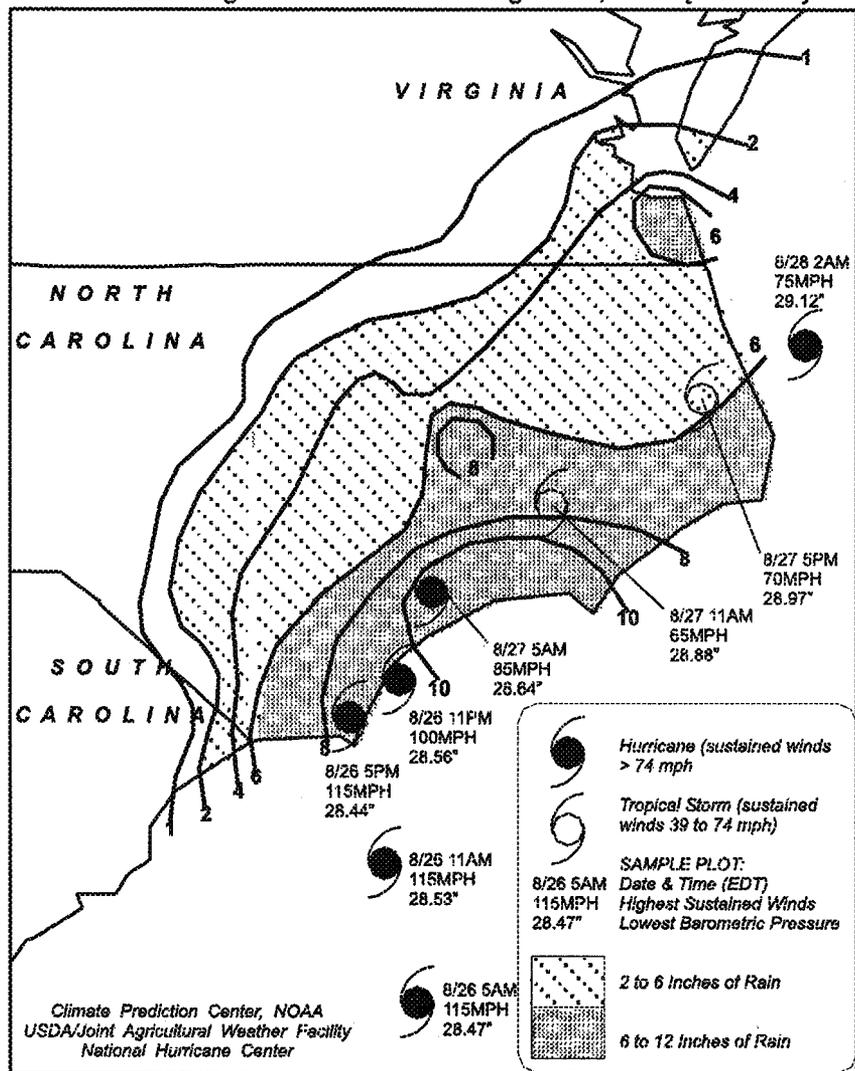
Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	8	30	46	15
CA	0	0	5	80	15
LA	0	3	35	54	8
MS	0	5	27	58	10
TX	0	5	30	60	5
ALL	0	5	26	57	12
Prev Wk	1	5	29	56	9
Prev Yr	0	2	30	52	16

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

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	4	18	38	37	3
CO	0	0	12	66	22
IL	6	1	27	57	9
KS	0	4	22	59	15
LA	1	22	43	31	3
MS	1	8	41	50	0
MO	1	8	28	50	13
NE	0	0	16	71	13
NM	21	36	36	7	0
OK	6	8	15	70	1
SD	0	2	10	69	19
TX	18	30	31	20	1
ALL	7	14	25	45	9
Prev Wk	8	13	23	45	11
Prev Yr	1	6	25	56	12

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	8	15	53	21	3
FL	0	3	27	70	0
GA	8	15	39	33	5
NC	0	2	22	69	7
OK	1	9	45	43	2
SC	13	27	43	17	0
TX	11	15	31	36	7
VA	1	5	28	61	5
ALL	7	12	37	39	5
Prev Wk	4	10	37	41	8
Prev Yr	2	9	35	45	9

TOTAL PRECIPITATION (Inches) & PATH OF HURRICANE BONNIE
 8 AM EDT August 26 - 8 AM EDT August 28, 1998 [48 hours]



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/ocel/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.8. Topsoil moisture 15% very short, 61% short, 24% adequate. Corn dented 100%, 98% 1997, 98% avg. Cotton bolls opening 38%, 18% 1997, 20% avg. Soybeans blooming 90%, 89% 1997, 89% avg. Corn 29% very poor, 14% poor, 46% fair, 10% good, 1% excellent. Cotton 13% very poor, 9% poor, 34% fair, 42% good, 2% excellent. Soybean 5% very poor, 7% poor, 42% fair, 43% good, 3% excellent. Livestock 1% very poor, 4%, poor, 47% fair, 43% good, 5% excellent. Pasture feed 8% very poor, 14% poor, 59% fair, 17% good, 2% excellent. Fall vegetable planting continued. Apple harvest began. Defoliation began in some cotton fields. Sweet potato digging is under full-swing.

ALASKA: Days suitable for fieldwork 2.5. Topsoil moisture 95% adequate, 5% surplus. Subsoil moisture 25% short, 75% adequate. Rain hampered agricultural activities in the Fairbanks area. Light frost reported in parts of the Matanuska Valley. Daytime high temperatures ranged mostly in the upper-50's to low-60's degrees Fahrenheit. Barley 80% ripe or earlier, 20% harvested. Oats 100% ripe or earlier. Wind, rain damage to crops, 90% none, 10% light. Commercial potato crop 5% harvested. Other vegetable harvests advanced.

ARIZONA: As of August 30, the cotton crop is roughly 2 weeks behind normal. Cotton condition declined last week due to excess rain, heat, insect pressure. Some reporters are indicating cotton rot has appeared in fields. Alfalfa harvest activity was reported as 31% not being harvested, 15% light, 22% moderate, 32% active. Alfalfa virtually unchanged. Condition was reported as 4% poor, 22% fair, 64% good, 10% excellent. Eastern growers continued harvesting Gala apples last week, while central area started harvesting cantaloupes, watermelons. Western area groves continued harvesting lemons.

ARKANSAS: Days suitable for fieldwork 7. Soil moisture 24% very short, 55% short, 21% adequate. Main farming activities included: Treating pastures for armyworm problems, harvesting rice, corn, sorghum, hay. Other farm activities included spraying for worms in cotton, defoliating cotton, irrigating soybeans, draining rice fields in preparation of harvest, treating cattle for pink-eye, external parasites, fertilizing pastures. Aflatoxin continues to be a problem for corn producers in some counties, above-normal levels of nitrates have been found in hay because of lower-than-normal precipitation levels. Silage yields have also been lower than normal due to higher-than-normal temperatures. Corn 10% very poor, 23% poor, 34% fair, 28% good, 5% excellent. Alfalfa 5% very poor, 21% poor, 36% fair, 38% good. Other hay 8% very poor, 35% poor, 36% fair, 20% good, 1% excellent. Range, pasture feed 15% very poor, 34% poor, 31% fair, 19% good, 1% excellent.

CALIFORNIA: Field activities progressed normally under favorable conditions, development of most crops remained behind normal. Wheat grain harvest was still ongoing in a few late fields in Kings County. Small grains were being harvested, and remaining stubble was baled for straw or disced under. Harvest of corn for grain, silage continued in the San Joaquin, Sacramento Valleys. Second crop corn fields were maturing rapidly. Rice was growing well in most areas, with head development underway in many fields. Cotton was blooming, setting bolls in the San Joaquin, Sacramento Valleys. A few early-planted cotton fields in Fresno County received final irrigation. Nearly all desert area cotton had open bolls. Cotton growers continued regular treatments for aphids, mites. Seed alfalfa, sugar beets, safflower, sunflowers were harvested. Single-crop black eye beans were drying for harvest, while second crop fields were still blooming, setting pods. Alfalfa, sudan grasses were cut for hay or green chopped. Some alfalfa fields were sprayed for worms. San Joaquin Valley flame seedless, red globe, fantasy seedless grapes were actively harvested for fresh consumption. Thompson seedless variety grapes were harvested for fresh, raisin, wine uses. Some grape growers were concerned about low levels of sugar. Late season nectarine, plum, freestone peach varieties were picked. Fruit quality was good. Gala, granny Smith apple picking was active. The fig harvest continued. Bartlett pear harvest was active in Lake, Mendocino Counties. Asian pear picking continued in the San Joaquin Valley. Almond harvest continued, while walnut growers prepared for harvest. Valencia

oranges were harvested at a slow pace. New crop navel oranges were maturing. Lemon, grapefruit picking continued. Fresh market, processing tomatoes continued to be harvested throughout the San Joaquin, Sacramento Valleys. Movement of fresh market tomatoes was slow. Fall, winter crops of cauliflower, broccoli, lettuce were being planted, as spinach fields were being prepared in the San Joaquin Valley. Honeydew, cantaloupe harvests continued in the San Joaquin, Sacramento Valleys, while watermelon, mixed melon harvests were coming to a close. Fall melons were treated for white fly in the Imperial Valley. San Joaquin Valley late pumpkin, squash crops were progressing well. Other vegetables harvested included bell peppers, sweet potatoes, eggplant, green onions, processing onions, garlic, sweet corn, various herbs, cucumbers, beets, squash, pumpkins, exotic vegetables. Insect pressure remained high throughout State's major agricultural regions. Native pasture, rangeland were in good to fair condition over much of the State. Forage at high elevations was maturing, drying as the season progressed. Low elevation forage was deteriorating normally for this late in the year. Ample dry feed remained on mid, high elevation rangeland. Stock water was still plentiful, with springs, creeks holding up well. Fire hazard on pasture, rangeland remained high to extreme over much of the State. Range animals in most areas were doing well on rangeland native grasses, ranchers in some areas increased feed purchases as supplemental feeding became necessary. Milk production was up due to last week's cooler weather. Fresno County sheep were grazing early-harvested melon fields. Bees continued to pollinate late-season melons.

COLORADO: Days suitable for fieldwork 6.8. Topsoil moisture 5% very short, 18% short, 74% adequate, 3% surplus. Subsoil moisture 3% very short, 22% short, 72% adequate 3% surplus. Higher temperatures with less frequent afternoon thunderstorms continued throughout the week. Most crops continue to develop favorably. Spring barley 80% harvested, 78% 1997, 67% avg. Oats 77% harvested, 92% 1997, 70% avg. Dry onions 43% harvested, 27% 1997, 34% avg.; condition 3% poor, 9% fair, 56% good, 32% excellent. Sugar beets condition 7% fair, 67% good, 26% excellent. Summer potatoes 25% harvested, 36% 1997, 42% avg.; 70% good, 30% excellent. Fall potatoes 2% harvested, 0% 1997, 0% avg.; 1% very poor, 8% poor, 5% fair, 57% good, 29% excellent. Dry beans 19% cut, 20% 1997, 13% avg; 3% threshed, 14% 1997, 9% avg.; 2% poor, 18% fair, 55% good, 25% excellent. Alfalfa 96% 2nd cutting, 94% 1997, 88% avg.; 34% 3rd cutting, 35% 1997, 28% avg.; 1% very poor, 2% poor, 17% fair, 61% good, 19% excellent. Spring wheat 95% turning color, 94% 1997, 97% avg.; 54% harvested, 38% 1997, 52% avg.; 5% poor, 17% fair, 50% good, 28% excellent. Pasture feed, range in mostly fair to good condition.

DELAWARE: Days suitable for fieldwork 5.6. Topsoil moisture 9% very short, 35% short, 56% adequate. Subsoil moisture 5% very short, 37% short, 58% adequate. Soybeans 73% bloomed, 76% 1997, 84% avg.; 57% setting pods, 60% 1997, 65% avg.; 10% turned, 5% 1997, 3% avg.; 10% poor, 36% fair, 49% good, 5% excellent. A few acres shedding leaves. Field corn 88% dough, 78% 1997, 86% avg.; 70% dent, 63% 1997, 63% avg.; 20% mature, 20% 1997, 18% avg.; some corn combines in south; 29% harvested for silage, 21% 1997, 31% avg.; 11% very poor, 22% poor, 38% fair, 26% good, 3% excellent. Apples 36% harvested, 51% 1997, 33% avg.; 8% fair, 84% good, 8% excellent. Peaches 79% harvested, 87% 1997, 87% avg. Sorghum 75% headed, 82% 1997, 90% avg.; 24% turning color, 13% 1997, 11% avg.; 9% poor, 56% fair, 34% good, 1% excellent. Sweet corn 70% harvested, 86% 1997, 90% avg. Watermelons 68% harvested, 78% 1997, 82% avg. Cucumbers 74% harvested, 94% 1997, 89% avg. Cantaloupe 76% harvested, 82% 1997, 87% avg. Snap beans 72% harvested, 70% 1997, 82% avg. Lima beans 40% harvested, 51% 1997, 41% avg. Tomatoes 70% picked, 69% 1997, 80% avg. Potatoes 79% harvested, 94% 1997, 85% avg. Alfalfa 91% 3rd cutting harvested, 96% 1997, 93% avg.; 24% 4th cutting, 17% 1997, 16% avg. Other hay 71% 3rd cutting, 82% 1997, 66% avg.; 26% 4th cutting, 12% 1997, 5% avg. Hay supplies 28% short, 72% adequate. Pasture feed 21% poor, 34% fair, 43% good, 2% excellent. Activities: Showers, wind arrived with Hurricane Bonnie, provided some relief for soybeans, limas, hay, pastures.

FLORIDA: Topsoil southern Peninsula adequate, other areas of State mostly adequate, scattered areas short. Peanuts, cotton showing stress due to lack of moisture in some areas. Haying active. Tobacco marketing active. Rainfall dropped off from last week, most areas, as Hurricane Bonnie passed by State. Scattered thunderstorms some areas with varying amounts of rainfall accumulated. Temperatures generally up from last week, averaged normal to above with highs in 80's, 90's, lows in 70's degrees Fahrenheit. Next cycle of fall armyworms requiring treatment, hay fields, pastures. White mold, limb rot, possibly CBR in many peanut fields. Velvet bean caterpillars in scattered soybean fields. Foliage feeders coming back to some peanut fields. Sugarcane good condition. Nine percent of peanut acreage for nuts harvested. Peanut poor 3%, fair 27%, good 70%. Ground preparations for fall crop planting continued as Hurricane Bonnie passed by State. In Gadsden County, tomatoes continue in good condition. Most plants past first string. In the East coast, eggplant growers working ground, leveling land, laying plastic as some light planting underway. Tomato, pepper transplanting increasing with some light spot resettings necessary due to hot weather. Oldest transplantings in fair to good condition. In Palmetto-Ruskin, tomato planting active but slowing. Plant growth fair to good. Staking very active with first ties on some. Pepper planting started. Eggplant condition fair to good with normal development. Cherry, plum tomato plantings steady, with plants in fair to good condition. In the southwest, tomato, pepper plantings increasing with overall crop condition fair to good. Cherry, plum tomatoes also in fair to good condition as planting momentum increases. In Dade County, okra harvest continues, slowing. Some small fields of snap beans seeded this week. Plastic being laid for first eggplant, with planting planned for first part of September. Rain scattered, light this week in all citrus areas. Hurricane Bonnie had no effect on citrus. Grove condition generally good. Harvest for 1998-99 season underway with packing of some red grapefruit. A few other packing houses expected to open. Caretakers cutting cover crops, spraying, fertilizing, cleaning large weeds, small trees out of groves. Pasture feed fair 25%, good 75%. Cattle fair 40%, good 60%. Armyworms problem in the Panhandle, central counties. Grass growth slowed throughout State due to dry soil conditions. Cattle, calves reported in fair to good condition.

GEORGIA: Days suitable for fieldwork 6.5. Soil moisture 20% very short, 48% short, 31% adequate, 1% surplus. Corn 70% harvested for grain, 42% 1997, 51% avg. Hay 10% very poor, 25% poor, 38% fair, 26% good, 1% excellent. Peanuts 1% dug, 2% 1997, 4% avg. Sorghum 17% very poor, 23% poor, 39% fair, 20% good, 1% excellent; 25% harvested for grain, 11% 1997, 16% avg. Soybeans 97% blooming, 96% 1997, 97% avg. Tobacco 4% very poor, 10% poor, 50% fair, 34% good, 2% excellent; 76% harvested, 96% 1997, 92% avg. Apples 5% very poor, 7% poor, 36% fair, 36% good, 16% excellent; 34% harvested, 40% 1997, 28% avg. Pecans 12% very poor, 31% poor, 37% fair, 18% good, 2% excellent. Hot, dry temperature resulted in decline of soil moisture levels across the State. Lack of soil moisture caused most crop conditions to drop. Armyworms, dry weather continues to affect most crops. Producers in all areas are spraying to control insects, to minimize loss. Black aphids spotted in pecans. Other activities included irrigating cotton, peanuts, planting fall vegetables, mowing pastures, spraying pecans for Black Aphids.

HAWAII: Sunny skies, warm temperatures, variable showers were fair for agriculture. Crop conditions varied fair to good. Crops in parched areas of Hawaii island were in very poor condition, in need of rain. Banana harvesting will be steady. Warm weather, adequate soil moisture maintain fields in fair to good condition. Papaya harvesting increasing from major fields on Hawaii island. Harvesting of most vegetables slowed due to continued warm temperatures. Overall insect damage is light. Most vegetables in fair condition.

IDAHO: Days suitable for fieldwork 6.5. Topsoil moisture 1% surplus, 55% adequate, 38% short, 6% very short. Return of upper 90's degrees Fahrenheit, with little precipitation. Alfalfa hay 2nd cutting 95%, 1997 94%, avg. 90%; 3rd cutting 41%, 1997 34%, avg. 27%. Irrigation supply 25% excellent, 61% good, 13% fair, 1% poor. Mint harvested 88%, 1997 73%, avg. 87%. Lentils harvested 81%, 1997 41%, avg. 44%. Dry peas harvested 94%, 1997 76%, avg. 66%. Dry beans harvested 5%, 1997 6%, avg. 10%. Oats harvested 61%, 1997 61%, avg. 54%. Onions harvested 14%, 1997 13%, avg. 13%. Hops harvested 26%, 1997 11%, avg. 20%. Peaches harvested 51%, 1997 74%, avg. 58%. Prunes and plums harvested 20%, 1997 42%, avg. 36%. Potato vines dead/killed 12%, 1997 18%, avg. 27%; harvested 3%, 1997 3%, avg. 3%. Sweet corn harvested 31%, 1997 50%, avg. 45%. Corn harvested for silage 1%, 1997 2%, avg. 2%. Winter wheat harvested 94%, 1997 86%, avg. 79%. Activities: Applying fungicides to combat late blight, irrigating, harvesting cereal grains, potatoes, hay, mint,

lentils, dry peas, dry beans, oats, onions, hops, sweet corn, peaches, irrigating.

ILLINOIS: Days suitable for fieldwork 6.1. Topsoil moisture 2% very short, 29% short, 65% adequate, 4% surplus. Sudden death syndrome in soybeans is becoming more apparent, continues to be of concern for farmers. In addition, heavy rains, high winds last week damaged fields in northern part of the State. Across the rest of the State, farmers would like to see more rain to help their soybeans progress. Despite the weather, the crop is progressing well. The corn crop is progressing quickly as well. Many farmers expect to begin harvesting corn within the next week or so. Farm activities for last week include hauling grain, mowing roadsides, preparing equipment. Soybeans blooming 98%, 100% 1997, 99% avg. Soybeans turning yellow 6%, 6% 1997, 7% avg. Alfalfa 3rd cutting 70%, 55% 1997, 58% avg.

INDIANA: Days suitable for fieldwork 6.4. Topsoil moisture 4% very short, 35% short, 58% adequate, 3% surplus. Subsoil moisture 3% very short, 25% short, 69% adequate, 3% surplus. Hot sunny weather continues to fuel crop development. Although progress remained ahead of average for both crops, condition ratings declined for the second straight week, as dry soil continued to stress the corn, soybeans. Rain would be a welcome sight in most areas of the State. Tobacco harvest 23% complete, 5% 1997, 22% avg. Range, pasture feed 2% very poor, 10% poor, 31% fair, 45% good, 12% excellent. Activities: Cutting alfalfa, harvesting tobacco, mowing lots, roadsides, caring for livestock, preparing equipment for fall harvest.

IOWA: Days suitable for fieldwork 4.7. Topsoil moisture very short 4%, short 14%, adequate 72%, surplus 10%. Subsoil moisture very short 3%, short 15%, adequate 75%, surplus 7%. Southern third of State remains dry, with reports of crops becoming stressed by heat, lack of rain. Severe wind damage to corn in northeast, east-central areas; some fields flattened. Across the State, corn being cut for silage. The 1998 row crops: Corn dough stage 92%, 82% 1997, 69% avg.; dent stage 71%, 39% 1997, 34% avg.; corn acreage mature 11%, 6% 1997, 5% avg. Corn 2% very poor, 7% poor, 22% fair, 46% good, 23% excellent. Soybeans leaves turning color 8%, 7% 1997, 8% avg. Soybean 2% very poor, 4% poor, 18% fair, 47% good, 29% excellent. Third-crop alfalfa harvested 55%, 48% 1997, 41% avg. Second crop clover harvested 93%, 87% 1997, 84% avg. All hay 2% very poor, 7% poor, 27% fair, 49% good, 15% excellent. Northern section of State, rains making fields soft, difficult to hay; southern sections report some loss of hay, pasture due to dry weather. Livestock generally in good condition. Pasture feed 3% very poor, 11% poor, 30% fair, 43% good, 13% excellent.

KANSAS: Days suitable for fieldwork 5.8. Topsoil moisture 6% very short, 41% short, 51% adequate, 2% surplus. Subsoil moisture 5% very short, 27% short, 67% adequate, 1% surplus. Farmers prepare for wheat seeding. Harvest of corn for grain has begun in the south. Harvest of corn, sorghum for silage has begun across the State. Corn earworms, greenbugs are the most common insects reported, mostly in sorghum. Sorghum mature 8%, 6% 1997, 4% avg. Sunflowers ray flowers dry 61%; bracts yellow 29%; 1% very poor, 2% poor, 18% fair, 69% good, 10% excellent. Alfalfa 4th cutting 49%, 37% 1997, 29% avg. Major field activities were preparing for seeding, cutting hay, harvesting silage, working stubble, fertilizing. Pasture feed 1% very poor, 6% poor, 33% fair, 53% good, 7% excellent. Pasture conditions declining due to lack of moisture. Stock water 2% very short, 10% short, 87% adequate, 1% surplus.

KENTUCKY: Days suitable for fieldwork 5.9. Topsoil moisture 21% very short, 50% short, 28% adequate, 1% surplus. Subsoil moisture 14% very short, 44% short, 40% adequate, 2% surplus. Slightly above-normal temperatures. Spotty showers at midweek, toward weekend, still very dry. Corn harvesting started in western part of the State. Late-planted crops need rain, especially tobacco, soybeans. No serious disease problems reported. Tobacco condition variable; early set expected to have high yields, good color. Burley tobacco cut 42%, 21% 1997, 32% avg. Dark tobacco cut 54%, 35% 1997, 48% avg. Conditions of set tobacco 3% very poor, 12% poor, 29% fair, 45% good, 11% excellent. Hay 2% very poor, 8% poor, 38% fair, 43% good, 9% excellent. Pasture feed 4% very poor, 14% poor, 40% fair, 38% good, 4% excellent.

LOUISIANA: Days suitable for fieldwork 6.5. Soil moisture 22% very short, 37% short, 40% adequate, 1% surplus. Corn 93% harvested, 80% 1997, 71% avg. Cotton bolls are opening early, with some smaller than normal boll size; boll rot reported. Hay 58% final cutting, 88% 1997, 72% avg. Peaches

100% harvested, 100% 1997, 100% avg. Rice 93% ripe, 74% 1997, 78% avg. Rice harvest progressed well. Sorghum 56% harvested, 36% 1997, 34% avg. Sorghum harvest continues. Soybeans 49% turning color, 32% 1997, 22% avg. Armyworms caused severe damage in soybean fields. Sugarcane 5% very poor, 11% poor, 33% fair, 40% good, 11% excellent; 9% planted, 35% 1997, 23% avg. Sweet potatoes 4% very poor, 11% poor, 45% fair, 38% good, 2% excellent; 13% harvested, 18% 1997, 16% avg. Livestock 5% very poor, 13% poor, 39% fair, 39% good, 4% excellent. Vegetables 20% very poor, 22% poor, 31% fair, 24% good, 3% excellent. Pastures are plagued by armyworms, dry conditions.

MARYLAND: Days suitable for fieldwork 5.8. Topsoil moisture 19% very short, 38% short, 42% adequate, 1% surplus. Subsoil moisture 19% very short, 37% short, 44% adequate. Field corn 5% very poor, 17% poor, 36% fair, 37% good, 5% excellent; 74% dough, 79% 1997, 79% avg.; 55% dent, 49% 1997, 50% avg.; 24% mature, 7% 1997, 11% avg.; 22% harvested for silage, 14% 1997, 14% avg.; a few acres of grain combined. Soybeans 5% very poor, 14% poor, 38% fair, 32% good, 11% excellent; 96% bloomed, 95% 1997, 91% avg.; 85% setting pods, 80% 1997, 76% avg.; 6% has turned, 10% 1997, 5% avg.; 5% shedding leaves, 3% 1997, 1% avg. Sorghum 3% very poor, 18% poor, 45% fair, 28% good, 6% excellent; 40% turned. Tobacco 10% very poor, 22% poor, 46% fair, 22% good; 92% topped, 92% 1997, 89% avg.; 51% harvested, 63% 1997, 56% avg. Sweet corn 91% harvested, 86% 1997, 85% avg. Snap beans 82% harvested, 76% 1997, 86% avg. Lima beans 28% harvested, 14% 1997, 27% avg. Cucumbers 89% harvested, 84% 1997, 88% avg. Pasture feed 8% very poor, 31% poor, 36% fair, 22% good, 3% excellent. Cantaloupe 91% harvested, 94% 1997, 91% avg. Watermelons 85% harvested, 89% 1997, 86% avg. Tomatoes 85% harvested, 87% 1997, 82% avg. Apples 11% fair, 77% good, 12% excellent; 19% harvested, 17% 1997, 16% avg. Peaches 89% harvested, 85% 1997, 85% avg. Other hay 76% 3rd cutting harvested, 30% 1997, 40% avg.; 20% 4th cutting, 4% 1997, 6% avg. Alfalfa hay 90% 3th cutting, 70% 1997, 85% avg.; 29% 4th cutting, 16% 1997, 22% avg. Hay supplies 3% very short, 23% short, 64% adequate, 10% surplus. Activities: Continued harvesting of tobacco, vegetable, fruit crops; start-up harvesting of grain corn.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil moisture 33% very short, 30% short, 30% adequate, 7% surplus. Subsoil moisture 35% very short, 33% short, 32% adequate surplus. All hay 3rd cutting 55%, 29% 1997, 30% avg. Dry beans turning leaves 98%, 38% 1997, 38% avg.; shedding leaves 77%, 4% 1997, 8% avg.; mature 11%, 0% 1997, 0% avg. Silage harvested 9%, 0% 1997, 3% avg. Soybeans turning leaves 33%, 13% 1997, 11% avg. Significant rain fell last week only in Grand Traverse Bay area, along State's southern border. Most other areas received less than an inch of rain. Non-irrigated crops continued to be stressed across much of the northern two-thirds of lower peninsula. Sugar beets stressed from low moisture. Cercospora leafspot, root aphids. Plants wilted daily. Yields will be affected if rain is not received soon. Dry weather, moisture stress continued to encourage spider mites in soybeans. Corn in drier areas maturing quickly, with some fields at 30% moisture. Harvest of corn for silage has increased. Drier areas not enough growth to cut hay a third time. In contrast, southern corners of State generally too wet to harvest 3rd cutting. Alfalfa seeding began in areas not too dry to prepare fields. Dry bean harvest started in drier areas. Potato harvest continued for fresh market. Cucumber harvest winding down. Melon quality in the southeast slipped due to rain. Early, mid-season onions maturing. Fall squash harvest started. Pepper harvest continued with good quality. Sweet corn harvest continued, with excellent quality reported in the Grand Rapids area. Processing tomato harvest 20% complete in the southeast. Dry conditions continued to suppress plant diseases on fruit. Apple maggot catches low. Codling moth catches increased northwest. Peach, pear harvests neared completion. Stanley plums harvested west-central, northwest. McIntosh, gala apple harvests began. Jonathans for processing also picked. Empire harvest will start this week. Niagara grape harvest will begin tomorrow. Concord variety nearly ripe, harvest commence about September 15.

MINNESOTA: Days suitable for fieldwork 4.5. Topsoil moisture 5% very short, 16% short, 72% adequate, 7% surplus. Soybeans 23% turning yellow, 8% 1997, 10% avg. Sweet corn 76% harvested, 61% 1997, 52% avg. Potatoes 11% harvested, 7% 1997, 7% avg. Dry beans 15% harvested, 6% 1997, 5% avg. Rye 27% seeded, 23% 1997, 18% avg. Winter wheat 25% seeded, 14% 1997, 15% avg. Stubble plowed 52%, 29% 1997, 22% avg. Pasture feed 3% very poor, 14% poor, 32% fair, 45% good, 6% excellent. Sugar beets 1% very poor, 1% poor, 19% fair, 52% good, 27% excellent. Sunflowers 2% very poor, 9% poor, 36% fair, 48% good, 5% excellent. Dry beans 1% very poor, 8% poor, 28% fair, 46% good, 17% excellent. Topsoil

moisture conditions have improved for the second consecutive week. Corn being cut for silage has started, especially in areas where the corn was affected by dry conditions. Pastures and alfalfa fields have benefited from the rainfall received during the last 2 weeks, making it possible for a 4th cutting of alfalfa in certain areas.

MISSISSIPPI: Days suitable for fieldwork 6.8. Soil moisture 19% very short, 40% short, 41% adequate. Corn 100% dent, 96% 1997, 98% avg.; 94% mature, 81% 1997, 79% avg.; 70% harvested, 24% 1997, 26% avg.; 85% silage harvested 78% 1997, 76% avg.; 11% very poor, 26% poor, 35% fair, 26% good, 2% excellent. Cotton 73% open bolls, 16% 1997, 44% avg.; 3% very poor, 9% poor, 37% fair, 43% good, 8% excellent. Rice 95% heading, 89% 1997, 95% avg.; 42% mature, 19% 1997, 41% avg.; 21% harvested, 3% 1997, 11% avg.; 5% poor, 27% fair, 58% good, 10% excellent. Sorghum 95% turning color, 89% 1997, 91% avg.; 71% mature, 59% 1997, 64% avg.; 47% harvested, NA 1997, 24% avg.; 65% silage harvested, 68% 1997, 59% avg.; 1% very poor, 8% poor, 41% fair, 50% good. Soybeans 98% setting pods, 89% 1997, 90% avg.; 53% turning color, 27% 1997, 28% avg.; 26% shedding leaves, 16% 1997, 13% avg.; 5% very poor, 16% poor, 34% fair, 39% good, 6% excellent. Sweet potatoes 15% harvested, 4% 1997, 16% avg.; 3% very poor, 3% poor, 22% fair, 72% good. Peanuts 2% harvested, 1% 1997, NA avg.; 3% poor, 29% fair, 60% good, 8% excellent. Hay 84% harvested (warm season) 84% 1997, 87% avg.; 3% very poor, 13% poor, 36% fair, 42% good, 6% excellent. Cattle 1% very poor, 7% poor, 30% fair, 54% good, 8% excellent. Pasture feed 5% very poor, 16% poor, 34% fair, 40% good, 5% excellent. Activities: Many areas of the State experienced upper 90 to 100 degree Fahrenheit temperatures during the past week. Hot weather continues to push the cotton crop toward maturity, with 73% of the crop opening bolls.

MISSOURI: Days suitable for fieldwork 5.8. Topsoil moisture 4% very short, 38% short, 55% adequate, 3% surplus. The most notable shortages continue in northeast, southwest with over 75% short, followed by south-central, southeast at 52% short. The Bootheel leads the State in corn harvested at 34%, while most farmers in the northern two-thirds of the State have not yet begun harvesting. Aflatoxin continues to show up in southern corn-producing counties, as well as insect damage on ears. All major row crops continue to develop ahead of normal, are rated mostly fair to good. Corn mature 45%, 21% 1997, 21% avg. Most advanced soybean areas are northwest, north-central, east-central, southwest at 95% or more setting pods. Least advance beans setting pods in the southeast, which has substantial double-crop acres, where early August flooding damaged or destroyed some fields. Best sorghum conditions are in the northwest, west-central, central, southwest at over 80% good to excellent. Cotton crop has been hurt by insects, boll rot, the general detrimental effects of dry weather, followed by flooding in July, August. Third-crop alfalfa cut 90%, 78% 1997, 76% avg. Rainfall in the past week averaged 0.65 in., ranging from none in east-central, south-central, southeast districts to 2.19 in. northwest. Pasture feed 2% very poor, 9% poor, 41% fair, 43% good, 5% excellent.

MONTANA: Days suitable for fieldwork 6.8. Topsoil moisture 25% very short, 59% short, 16% adequate. Subsoil 23% very short, 51% short, 26% adequate. Conditions were hot, dry with some southern areas of the State receiving up to 0.60 in. of rain, nothing significant to dramatically improve conditions. Winter wheat ripe 100%, 98% 1997, 96% avg. Winter wheat harvested 98%, 86% 1997, 78% avg. Winter wheat seeded 0%, 0% 1997, 0% avg. Spring wheat ripe 95%, 90% 1997, 75% avg. Barley ripe 97%, 84% 1997, 74% avg. Oats ripe 97%, 85% 1997, 77% avg. Oats harvested 85%, 49% 1997, 50% avg. Corn harvested for silage 3%, 5% 1997, 6% avg. Dry beans harvested 9%, 16% 1997, 9% avg. Second cutting alfalfa 79%, 68% 1997, 68% avg. First cutting other hay 96%, 94% 1997, 90% avg. Range, pasture feed mostly fair condition.

NEBRASKA: Days suitable for fieldwork 5.7. Topsoil moisture 1% very short, 22% short, 76% adequate, 1% surplus. Subsoil moisture 2% very short, 19% short, 78% adequate, 1% surplus. Another hot week, with fall crops maturing quickly. Temperatures 2 to 5 degrees above normal for entire State. Rainfall ranged from traces to over 4 inches in parts of the Southeast. Irrigation activities nearly complete. Corn 2% poor, 13% fair, 63% good and 22% excellent; irrigated corn 86% good or excellent; dryland corn 83% good or excellent; dent jumped to 71%, 38% 1997, 39% avg. Soybean 1% poor, 14% fair, 68% good, 17% excellent; coloring was occurring on 7%, 9% last year and 10% avg. Sorghum 16% fair, 71% good, 13% excellent; coloring 61%, 34% 1997, 31% avg. Dry beans 1% very poor, 5% poor, 28% fair, 53% good, 13% excellent; coloring 33%, 49% 1997, 54% avg. Alfalfa 1% very poor, 3% poor, 19% fair, 61% good, 16% excellent; 3rd cutting 76%, 64%

1997, 64% avg. Pasture feed 1% very poor, 4% poor, 16% fair, 60% good, 19% excellent. Marketing of yearlings underway. Producer activities; preparation for wheat seeding, moving grain, hay harvest, machinery maintenance.

NEVADA: Light precipitation fell in the south at the end of the week, most of the State enjoyed continued clear weather. Temperatures averaged well above normal in most areas, near normal in the Northeast. Harvest activities continued in full swing. Third cutting of alfalfa was underway in northern valleys, with crop condition generally good. Alfalfa seed harvest was also underway. Winter wheat, spring wheat, barley were being harvested in the north with progress well along. Corn remained in good condition. Harvest of garlic for seed use was well along. Onion harvest continued in full swing. Potatoes remained in good condition. Pasture feed, range condition remained mainly good, despite seasonal drying. Cattle movement, calf marketing continued. Main farm, ranch activities: Haying, grain harvest, onion harvest, garlic harvest, irrigating, cattle marketing, weed, pest control.

NEW ENGLAND: Days suitable for fieldwork 6.2. Topsoil moisture 5% very short, 28% short, 63% adequate, 4% surplus. Subsoil moisture 5% very short, 25% short, 65% adequate, 5% surplus. Pasture feed 3% very poor, 12% poor, 49% fair, 25% good, 11% excellent. Maine potatoes 5% harvested, <5% 1997, <5% average; condition good to fair. Massachusetts potatoes 60% harvested, 50% 1997, 40% avg.; condition good to fair. Rhode Island potatoes 15% harvested, 30% 1997, 25% avg.; condition good to fair. Oats in Maine 55% harvested, 5% 1997, 35% avg.; condition good to fair. Barley in Maine 55% harvested, 5% 1997; condition good to fair. Field corn <5% harvested, <5% avg.; condition good to fair. Sweet corn 70% harvested, 65% 1997, 70% avg.; condition good to fair. Shade Tobacco 100% harvested, 99% 1997, 90% avg.; condition good to fair. Broadleaf tobacco 95% harvested, 95% 1997, 90% avg.; condition fair. First cut hay 99% harvested, 99% 1997, 99% avg.; condition fair to good. Second cut hay 75% harvested, 70% 1997, 75% avg.; condition good to fair. Third-cut hay 25% harvested, 30% 1997, 30% avg.; condition good to excellent. Apples 15% harvested, 10% 1997, 10% avg.; size average; condition good to fair. Peaches 80% harvested, 60% 1997, 70% average, size average; condition good to fair. Pears 15% harvested, 10% 1997, 20% avg., size average; condition fair to good. Cranberries size average, condition good to excellent. Highbush blueberries 95% harvested, 85% 1997, 90% avg.; size average; condition good to excellent. Wild blueberries 99% harvested, 85% 1997, 90% avg.; size average; condition fair. Major farm activities included: harvesting of vegetables, fruits, potato harvest in southern regions, blueberry, broadleaf tobacco harvest, cutting hay; irrigating; preparing equipment for harvest.

NEW JERSEY: Days suitable for fieldwork 6. The past week's rain was beneficial, ground continues to be dry in most areas. Irrigation is vital. Farmers are spraying for disease, pests, harvesting vegetables, fruits, cutting hay. Feed requirements are below average. Irrigation water supply is adequate. Good volume of tomatoes, sweet corn, peppers, all beans, all squash, eggplant. Moderate volume of watermelon, cabbage, beets, cantaloupe, leeks. Light supply of herbs, okra, parsley, spinach, turnips, leafy greens. Light harvest of fall crops (endive, escarole, Boston lettuce) reported. Peach harvest is past its peak, with a good volume expected for the next 2 weeks. Autumn glo, encore, rio-oso-gem are the prominent varieties. Peach color, size, and taste are good. Apples are coloring, sizing well. Harvest of red delicious is expected to start this week. Field crops, especially corn, need water. Seventy percent of soybeans are in the pod setting stage. Soybeans, field corn continue to be hurt by the lack of rain. Pastures are in poor to fair condition.

NEW MEXICO: Days suitable for fieldwork 6.5. Topsoil improved to 15% very short, 35% short, 49% adequate, 1% surplus. Once again, most of the State received some measurable rainfall during the past week. Accumulated totals reached as high as 2.53 in. in the eastern plains region. Temperatures averaged slightly above normal across the State. As the late-summer rains continued to fall, the condition of the cotton crop continued to improve. Corn was 92% in the dough stage last week, condition 10% poor, 25% fair, 57% good, 8% excellent. Recent precipitation was probably too late to help the dryland sorghum crop. The overall condition of sorghum reflects this. Alfalfa harvest progressed slowly as rainfall hampered progress. The 4th cutting of alfalfa inched forward to 75% complete, 68% 1997; 5th cutting 27% complete, 15% 1997; 3% poor, 32% fair, 53% good, 12% excellent. Green chile harvest progressed to 39% complete, 32% 1997; 15% fair, 67% good, 18% excellent. Onion harvest was completed last week; the crop finished in good to excellent condition. With lettuce planting completed, the crop was

rated 26% fair, 46% good, 28% excellent. Apples, pecans remained in good condition. Pecan drop 96% average, 4% heavy. Cattle were in fair to good condition, while sheep remained in mostly fair condition. Range, pasture feed conditions have responded well to the recent weather, improving again last week.

NEW YORK: Days suitable for fieldwork 5.6. Soil moisture 9% very short, 26% short, 65% adequate. Pasture feed 16% poor, 30% fair, 41% good, 13% excellent. Corn silage 7% harvested, well ahead of normal. Corn 21% fair, 50% good, 29% excellent. Oats 93% harvested, 91% 1997, 86% avg. Second cutting alfalfa 95% finished, 95% 1997, 92% avg. Third cutting 52% done, 37% 1997, 42% avg. Hay 17% fair condition, 61% good, 22% excellent. Early-planted dry beans harvested. Potato harvest continued on early varieties. Apple picking gained momentum. Grape harvest underway. Crops continued in good condition. Vegetable harvests continued in high gear. Onion digging gained momentum.

NORTH CAROLINA: Days suitable for fieldwork 5.7. Soil moisture 19% very short, 28% short, 36% adequate, 17% surplus. This was an eventful week as Hurricane Bonnie packing her 115 mph winds, torrential rains made landfall Wednesday. All coastal counties reported significant rainfall as the hurricane moved methodically across the State. With only one-third of the affected counties reporting, early estimates indicate over 350,000 acres sustained some damages. Tobacco, corn were reported to be the most severely hurt. Some areas received beneficial rainfall without the crop damaging winds. Most other areas including the Piedmont, mountain ranges are still very dry. Activities for the week included: Preparing for and recovering from hurricane; harvesting tobacco; harvesting corn, truck crops; cutting hay, tending livestock.

NORTH DAKOTA: Days suitable for fieldwork 6. Soil moisture supplies diminished as precipitation was scattered. Topsoil 7% very short, 32% short, 60% adequate, 1% surplus. Subsoil 7% very short, 35% short, 57% adequate, 1% surplus. Favorable weather aided producers with harvest, though hail storms caused damage in the northeast. Small grain harvest, late season crop development remained ahead of average. Durum wheat 56% combined, 31% 1997, 25% avg. Canola 94% swathed, 75% 1997; 69% combined, 20% 1997. Corn for grain 69% denting, 36% 1997, 34% avg.; 9% ripe, 0% 1997, 2% avg. Corn for silage 3% chopped, 4% 1997, 2% avg. Dry edible beans 85% mature leaves dropping, 54% 1997, 44% avg.; 28% cut, 8% 1997, 6% avg. Flaxseed 48% combined, 29% 1997, 10% avg. Potatoes 60% vines killed, 27% 1997, 33% avg. Soybeans 44% lower leaves yellowing, 36% 1997, 37% avg.; 10% mature leaves dropping, 8% 1997, 8% avg. Sunflower 75% ray flowers dried/dropped, 61% 1997, 54% avg.; 30% bracts turned yellow, 17% 1997, 18% avg. Corn for silage, sunflower conditions improved; potato conditions remained relatively the same. Emerged crop condition: corn for grain 2% very poor, 12% poor, 25% fair, 55% good, 6% excellent; corn for silage 5% poor, 24% fair, 61% good, 10% excellent; dry edible beans 7% very poor, 14% poor, 31% fair, 40% good, 8% excellent; flaxseed 1% very poor, 5% poor, 25% fair, 57% good, 12% excellent; potatoes 2% poor, 12% fair, 52% good, 34% excellent; soybeans 4% very poor, 21% poor, 28% fair, 42% good, 5% excellent; sugar beets 6% very poor, 11% poor, 17% fair, 47% good, 19% excellent; sunflower 1% very poor, 4% poor, 27% fair, 55% good, 13% excellent. Stock water 1% very short, 9% short, 86% adequate, 4% surplus. Hay 72% of normal.

OHIO: Days suitable for fieldwork 4.7. Topsoil moisture 5% very short, 24% short, 51% adequate, 20% surplus. Corn dough 86%, 85% 1997, 86% avg.; dented 41%, 16% 1997, 31% avg.; mature 3%, 1% avg. Soybeans dropping leaves 5%, 2% 1997, 3% avg.; 4 days ahead of 1997. Alfalfa hay 76% 3rd cutting, 37% 1997, 53% avg.; 15% 4th cutting. Other hay 47% 3rd cutting, 17% 1997, 24% avg. Tobacco 82% topped, 73% 1997; 22% cut, 8% 1997. Summer apples 91% harvested, 54% 1997, 55% avg. Peaches 94% harvested. Hay 2% very poor, 8% poor, 24% fair, 55% good, 11% excellent. Farm activities for the State include making hay; seeding conservation reserve ground; submitting production evidence to FSA for loan deficiency payments; repairing, maintaining equipment; moving grain; cleaning grain bins; hauling manure; mowing, plowing stubble; applying lime, fertilizer; mowing weeds, fence rows; building waterways, wetlands; inspecting corn, soybeans for insect damage; building fences; constructing greenhouses; rotating cattle; cutting, housing tobacco; harvesting summer fruit, vegetable crops. The following weed pressures were reported: foxtail, ragweed, Canadian thistle, Johnsongrass, pigweed, ironweed, broadleaves, lambsquarter, velvetleaf, volunteer corn, trumpetkeener. Reported insects were European corn borer, cutworms in corn; leafhoppers, aphids in alfalfa; Japanese beetles. Reported diseases were needle scale in Christmas trees;

white mold, brown stem rot, sudden death syndrome in soybeans; root rot; grey leaf spot, premature yellowing on corn; blue mold in tobacco; mildew on pumpkins. Harvesting conditions of the vegetable crop in parts of the northwest, north-central districts was too wet for harvesting due to excessive rainfall. Flooding in those districts has caused damage to other crops as well. In addition to the excessive rain, light hail damage was reported in Medina County. Localized heavy rains caused flooding in Williams, Wood, Ottawa, Seneca, Huron, Lorain, Medina, and Portage Counties. Rain was spotty throughout the State, leaving some areas short on precipitation, dry. Pasture conditions have improved in the northern part of the State due to the rain; however, grass production has slowed in Darke, Clark, Champaign, Greene, Belmont, Athens, Guernsey, Meigs, Muskingum Counties. Cooler nights, lower humidity in the last half of the week has reduced livestock stress except for the southern part of the State. Face fly, horsefly populations remain high, causing the usual problems. Poor pasture conditions, hot weather in Athens, Muskingum Counties are prompting farmers to feed hay.

OKLAHOMA: Days suitable for fieldwork 6.0. Topsoil moisture 44% very short, 34% short, 22% adequate. Subsoil moisture 27% very short, 45% short, 28% adequate. Hot, dry weather reduced subsoil moisture to the lowest level since May 1996. Wheat seedbed prepared 47%, 59% 1997, 58% avg.; planted 0%, 5% 1997, 4% avg.; oats seedbed prepared 49%, 49% 1997, 38% avg. Corn condition 3% very poor, 5% poor, 9% fair, 83% good; mature 29%, 17% 1997, 33% avg.; harvested 11%, 4% 1997, 9% avg. Soybeans 11% very poor, 19% poor, 58% fair, 11% good, 1% excellent; flowering 97%, 98% 1997, 92% avg.; setting pods 75%, 91% 1997, 75% avg.; mature 10%, 6% 1997, 15% avg. Peanuts mature 13%, 0% 1997, 9% avg. Alfalfa hay 12% very poor, 20% poor, 34% fair, 30% good, 4% excellent; 3rd cutting 86%, 94% 1997, 96% avg.; 4th cutting 26%, 30% 1997, 45% avg. Other hay 1st cutting 93%, 96% 1997, 98% avg.; 2nd cutting 10%, 24% 1997, 75% avg. Livestock 3% very poor, 9% poor, 33% fair, 55% good. Prices for feeder cattle down \$1.00 per cwt. from the preceding week.

OREGON: Days suitable for fieldwork 6.8. Topsoil moisture 16% very short, 43% short, 41% adequate. Subsoil moisture 6% very short, 30% short, 64% adequate. Barley harvested 82%, 78% 1997, 69% avg. Winter wheat harvested 98%, 96% 1997, 96% avg. Spring wheat 93% harvested. Range, pasture feed 2% very poor, 2% poor, 28% fair, 52% good, 16% excellent. Activities: Small grain harvest continued across State last week, with some areas winding down. Third cutting of alfalfa was also reported in several regions. Oats, grass seed harvest was essentially finished in the Willamette Valley. Grass seed growers reported large populations of field mice, they are working on ways to control them in the future. Sugar beet seed harvest mostly completed, planting started for the 1999 crop. Mint harvest was mostly finished, hop harvest had started. Red clover harvest completed in most areas, crimson clover seeding had started. In central Oregon, mint being harvested. On east side, where winter wheat harvest is finished, working of summer fallow was being done. Malheur County reported problems with powdery mildew in sugar beets. Summer maintenance, irrigation continue to be the major activities for nurseries. Some container sales were reported. Christmas tree growers are working on the 1998 harvest of trees. Malheur County potato growers were harvesting for processing. Other areas on the east side reported more growth needed in Russet Burbank fields, vine kill begun in some Norkotah fields. Carrots, sweet corn harvest continued. In Willamette Valley, harvest of sweet corn continued. Tomatoes, green peppers, cantaloupe ripening continued; blight showing on some tomatoes. Onions were nearing pulling stage. Some potatoes were being dug. Green bean harvest was mostly finished. In Willamette Valley, Evergreen, blackberry harvest continued, hazelnut husks were drying, blanks were falling. Bartlett pears were ripening, early apples were ready, veteran peaches were being harvested. In Rogue River Valley, pear harvest was underway, berry harvest continued. Livestock condition remains good to excellent. Ranges, pastures are dry, fire danger is extremely high. However, compared to the average year, east side ranges, pastures are still in fairly good shape, supplying some feed value.

PENNSYLVANIA: Days suitable for fieldwork 5.5. Soil moisture 13% very short, 40% short, 45% adequate, 2% surplus. Ensilage corn harvested 3% harvested, 9% 1997, 6% avg. Wheat planted 1% complete, 9% 1997, 5% avg. Oats harvested 91% complete, 90% 1997, 91% avg. Barley planted 2% complete, 15% 1997, 7% avg. Tobacco 65% harvested, 23% 1997, 41% avg. Potato harvested 13% complete, 23% 1997, 27% avg. Alfalfa 3rd cutting 65% complete, 61% 1997, 59% avg. Alfalfa 4th cutting 22% complete, 25% 1997, 20% avg. Timothy clover 2nd cutting 78% complete, 79% 1997, 76% avg. Quality of hay made 2% very poor, 5% poor, 25% fair,

45% good, 23% excellent. Apple harvest 20% complete, 19% 1997, 20% avg. Peach harvest 87% complete, 72% 1997, 73% avg. Grapes harvested 1% complete, 0% 1997, 14% avg. Harvest is expected to begin in Erie County in a week. Fall plowing 16% complete, 30% 1997, 24% avg. Activities: Fall plowing; harvesting oats; spreading lime; cutting hay and haylage; harvesting fruit; machinery maintenance; fixing fences; hauling manure; caring for livestock, attending county fairs.

SOUTH CAROLINA: Days suitable for fieldwork 6.0. Soil moisture 15% very short, 47% short, 38% adequate. Apples 24% harvested, 23% 1997, 21% avg.; 34% poor, 39% fair, 27% good. Corn 100% mature, 97% 1997, 95% avg.; 60% harvested, 54% 1997, 45% avg.; 37% very poor, 33% poor, 24% fair, 6% good. Grapes 2% very poor, 2% poor, 16% fair, 65% good, 15% excellent. Hay 90% cut, 96% 1997, 73% avg. Livestock 2% very poor, 3% poor, 35% fair, 59% good, 1% excellent. Pasture feed 11% very poor, 16% poor, 43% fair, 30% good. Peaches 99% harvested, 97% 1997, 96% avg. Peanuts 5% harvested, 7% 1997, 7% avg.; 13% very poor, 27% poor, 43% fair, 17% good. Sorghum 95% headed, 94% 1997; 85% turned color, 82% 1997; 55% matured, 45% 1997; 27% harvested, 27% 1997; 29% very poor, 20% poor, 12% fair, 39% good. Sweet potatoes 13% fair, 87% good. Tobacco 81% harvested, 86% 1997, 77% avg.; stalks destroyed 32%, 42% 1997, 28% avg.; 1% very poor, 29% poor, 42% fair, 27% good, 1% excellent. Winter grazings 6% planted, 6% 1997, 5% avg.

SOUTH DAKOTA: Days suitable for fieldwork 4.9. Topsoil moisture 1% very short, 14% short, 78% adequate, 7% surplus. Subsoil moisture 1% very short, 14% short, 78% adequate, 7% surplus. Rains limited work on small grain harvest. Oats 98% harvested, 95% 1997, 98% avg. Flaxseed 85% harvested, 56% 1997, 38% avg. Heavy rain, hail caused damage to row crops in isolated areas of the State. Sunflower 1% poor, 12% fair, 61% good, 26% excellent; 92% blooming, 97% 1997, 98% avg.; 57% flower dry, 42% 1997, 59% avg.; 43% bracts yellow, 31% 1997, 36% avg.; 11% mature, 1% 1997, 3% avg. Sorghum harvested for silage 13%, 2% 1997, 1% avg. Corn harvested for silage 8%, 2% 1997, 1% avg. Winter wheat seeded 7%, 6% 1997, 2% avg.; emerged 5%, 2% 1997, 0% avg. Winter rye seeded 21%, 4% 1997, 2% avg.; emerged 19%, 1% 1997, 0% avg. Alfalfa 6% poor, 21% fair, 53% good, 20% excellent. Alfalfa 90% cut twice, 98% 1997, 88% avg.; 52% cut three times, NA for 1997 and avg. Other hay 90% harvested, 99% 1997, 88% avg. Livestock 1% poor, 8% fair, 67% good, 24% excellent. Stock water supplies 1% very short, 7% short, 79% adequate, 13% surplus.

TENNESSEE: Days suitable for fieldwork 7.0. Topsoil moisture 9% very short, 42% short, 48% adequate, 1% surplus. Subsoil moisture 8% very short, 32% short, 58% adequate, 2% surplus. Corn 91% dent, 87% 1997, 87% avg.; 56% mature, 34% 1997, 40% avg.; 9% harvested, 2% 1997, 5% avg.; silage 54% harvested, 50% 1997, 51% avg.; 4% very poor, 10% poor, 24% fair, 46% good, 16% excellent. Tobacco 85% topped, 77% 1997, 88% avg.; burley 35% harvested, 35% 1997, 39% avg.; dark-air 48% harvested, 52% 1997, 52% avg.; dark-fire 45% harvested, 42% 1997, 47% avg.; 2% very poor, 9% poor, 27% fair, 51% good, 11% excellent. Pastures feed 2% very poor, 9% poor, 32% fair, 47% good, 10% excellent. Corn producers continued harvest, with isolated cases of aflatoxin reported in the southwestern counties. Tobacco producers are busy with both topping, harvesting activities. Pastures, hay fields are starting to show stress due to the recent lack of rainfall.

TEXAS: Unstable air mass, tropical storm provided most areas of the State with at least scattered rain, many central, southern areas receiving heavy rains that caused isolated flooding. The rainfall met with mixed reaction as cotton farmers trying to get crop out, while livestock producers welcomed rain they hoped would improve pastures, hay prospects. Cooler weather in all areas of the State benefited livestock, crops in the Plains. Livestock prices improved in some areas.

Crops: Small Grains: Land preparation continued in the Plains, where some wheat planting began. Land preparation should increase in many other areas with recent rain. Wheat 1% planted, 1% 1997, 1% avg. Corn: Fields continued to mature in the Plains, where silage harvest got underway. A few fields for grain harvested with majority of the activity to begin within a week or two. More fields baled, plowed under in the Low Plains. Harvest winding down in the Blacklands, where scattered showers slowed progress at times, with 69% mature, 52% 1997, 56% avg.; 52% harvested, 33% 1997, 46% avg. Cotton: Bolls continued to open in the Plains, where plants on irrigated fields loaded up. Dryland fields received some benefit from rain; however, most fields remained stressed for more moisture. Bolls continued to open in the Low Plains, where fields remained stressed. Rain, rain showers hurt cotton left for harvest Blacklands, Central. Most harvest completed along

Upper Coast, Coastal Bend; however, final harvest operations slowed by wet conditions. Harvest active Rio Grande Valley, neared completion. Rain caused only minor delays of the final activity, with 15% harvested, 6% 1997, 10% avg. Grain sorghum: Fields in the Plains showed improvement with recent rains. Early fields turning color. Harvest continued between showers in the Low Plains. Yields have only been fair. Peanuts: Dryland fields in the Plains improved with recent rains. However, there has been increase in insect activity, disease pressures. Irrigation needs relieved by rain. Rain in South Central area improved prospects, with 54% mature, 50% 1997, 61% avg.; 51% harvested, 41% 1997, 54% avg. Rice: Harvest continued along the Upper Coast between showers. Some fields early enough for second cutting. Soybeans: Fields in the High Plains look good, with producers continuing watering activity. Harvest continued as conditions allowed northern Blacklands, where yield prospects poor. Rain along Upper Coast slowed harvest part of the week. Other Crops: Sunflowers 3% harvested, 9% 1997, 2% avg.

Commercial Vegetables: Rio Grande Valley, land preparations continued as conditions allowed. San Antonio-Winter Garden, rain improved soil moisture conditions as producers begin land preparations. East, some fall planting underway; however, scattered showers slowed progress. A few sweet potatoes fields harvested between rain showers. In the High Plains, harvest activity winding down in most fields. Trans Pecos, chilies continued to show good progress. Pecans: Recent rain been good for trees; however, crop too far gone in most areas for much benefit to nuts. Weevil, shuckworm activity increased with spraying underway.

Range and Livestock: Conditions improved in many central, southern areas with recent rain. Armyworms, grasshoppers continued to damage grass in some areas. Parts of the State remain dry, however. Sales at auctions in some areas slowed with recent improvement of pastures, prices also improved. Supplemental feeding remained active in most areas.

UTAH: Days suitable for fieldwork 6. Topsoil moisture 5% very short, 18% short, 77% adequate. Subsoil 1% very short, 19% short, 80% adequate. Pasture feed, range 10% poor, 22% fair, 65% good, 3% excellent. Irrigation water supplies 18% short, 81% adequate, 1% surplus. Stock water supplies 2% very short, 7% short, 91% adequate. Spring wheat harvested 92%, 90% 1997, 88% avg. Barley harvested for grain 90%, 89% 1997, 88% avg. Oats harvested for grain 80%, 64% 1997, 61% avg. Corn in dough stage 44%, 44% 1997; in dent stage 9%. Alfalfa hay 3rd cutting 44%, 34% 1997, 37% avg. Alfalfa seed 8%. Other hay cut 93%. Onions harvested 9%. Peaches picked 35%, 59% 1997, 58% avg. Pears picked 22%, 29% 1997, 33% avg. Rain showers slowed hay harvest in many counties throughout the State. Many counties are harvesting sweet corn this week. Hail damage was reported in Cache County.

VIRGINIA: Days suitable for fieldwork 6.4. Topsoil moisture 22% very short, 55% short, 23% adequate. Subsoil moisture 18% very short, 51% short, 31% adequate. Corn 98% silked, 98% 1997, 99% avg.; 77% dough, 72% 1997, 84% avg.; 50% dent, 45% 1997, 56% avg.; 30% mature, 19% 1997, 35% avg.; 8% harvested; 18% harvested for silage, 13% 1997, 20% avg.; 9% very poor, 25% poor, 35% fair, 29% good, 2% excellent. Cotton 13% bolls opening, 24% 1997; 6% poor, 34% fair, 51% good, 9% excellent. Soybeans 89% blooming, 80% 1997, 88% avg.; 70% setting pods, 61% 1997, 67% avg.; 7% very poor, 25% poor, 38% fair, 28% good, 2% excellent. Flue-cured tobacco 34% harvested, 26% 1997, 42% avg.; 7% very poor, 12% poor, 24% fair, 33% good, 24% excellent. Dark fire cured tobacco 60% harvested, 37% 1997, 51% avg.; 3% very poor, 13% poor, 30% fair, 45% good, 9% excellent. Burley tobacco 20% harvested, 10% 1997, 14% avg.; 10% very poor, 11% poor, 23% fair, 35% good, 21% excellent. Sun tobacco 35% harvested, 30% 1997, 40% avg.; 10% poor, 80% fair, 10% good. Summer apples 95% harvested, 80% 1997, 79% avg.; 6% very poor, 10% poor, 39% fair, 45% good. Peaches 90% harvested, 77% 1997, 88% avg. Pasture feed 13% very poor, 37% poor, 31% fair, 19% good. Alfalfa 6% very poor, 15% poor, 46% fair, 29% good, 4% excellent. Other hay 14% very poor, 39% poor, 35% fair, 12% good. Topsoil moisture levels for the Commonwealth continued to diminish from the previous week. Some isolated areas in the extreme southeastern part of the Commonwealth suffered severe crop damage as a result of Hurricane Bonnie. High winds caused excessive lodging in corn. Most areas, however, received little or no rain or high winds from the storm. Soybean progress remains slightly ahead of historic levels, with average to slightly below-average yields expected. Corn is maturing slightly ahead of last year, with some areas of the State harvesting already. Summer apple and peach harvest are beginning to wind down. Tobacco harvesting continues to be ahead of schedule for all types this year. Tobacco progress, yields did not suffer quite as much as other crops from the hot, dry conditions that have persisted throughout the growing season. Planting of fall vegetables should be concluded within the next few weeks. Other activities for the past week included spraying, harvesting

tobacco, scouting, spraying cotton, peanuts, harvesting corn silage, selling cattle, as well as, other general fieldwork.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil moisture 13% very short, 64% short; 23% adequate. Subsoil moisture 3% very short, 45% short, 52% adequate. Spring wheat 94% harvested, 92% 1997, 78% avg. Potatoes 18% harvested, 24% 1997, 21% avg.; 15% fair, 85% good. Wheat and barley harvests were winding down, nearly completed. Some areas began to seed winter wheat in dryland fields. Dry bean swathing continued. Mint harvest continued. Hay, other roughage supplies, 60% adequate, 40% surplus. Range, pasture feed 10% very poor, 30% poor, 50% fair, 9% good, 1% excellent. Pastures continued to dry down, with limited growth. Bartlett pear harvest continued, was nearing completion whereas D'Anjou pear harvest was projected to be underway soon. Gala and early golden delicious apple harvests continued. Grapes were ripening rapidly. Vegetable harvests continued, some western area producers were planting fall, cooler season crops. Hop harvest began, Christmas tree growers were shearing Douglas fir trees.

WEST VIRGINIA: Days suitable for fieldwork 6.0. Topsoil moisture 7% very short, 38% short, 55% adequate. Good harvest progress continues. Rain is needed for maturing crops. Apple condition 18% poor, 72% fair, 10% good. Apple harvest is underway. Peach harvest is complete. Hay 10% poor, 40% fair, 45% good, 5% excellent; hay 2nd cut 79%, 73% 1997, 75% avg.; 3rd cut 27%, 23% 1997, 39% avg. Corn condition 5% poor, 30% fair, 60% good, 5% excellent; corn silked 90%, 100% 1997, 100% avg.; doughing 60%, 79% 1997, 78% avg.; dent 25%, 21% 1997. Oats 10% poor, 45% fair, 45% good; harvested 98%, 88% 1997, 94% avg. Soybean 25% fair, 75% good; soybeans 85% bloomed, 100% 1997, 100% avg.; 82% podding, 93% 1997, 94% avg.; 8% dropping leaves, 29% 1997. Tobacco 2% poor, 33% fair, 65% good; topped 70%, 97% 1997, 98% avg. Cattle 20% fair, 75% good, 5% excellent. Sheep 30% fair, 70% good.

WISCONSIN: Days suitable for fieldwork 5.0. Soil moisture 5% very short, 21% short, 65% adequate, 9% surplus. Soybeans leaves turning 16%, 5% 1997, 7% avg. Soybean condition 1% very poor, 4% poor, 12% fair, 52% good, 31% excellent. Third crop hay harvested 70%, 35% 1997, 34% avg. Some areas of the State have begun to open corn fields. A reporter in Barron County commented that corn will be ready to chop in a week or two. Several fields in Chippewa County affected by drought have already been chopped. Corn on lighter soils was drying down fast. Some corn in Shawano County was down to 61% moisture on sandy soils. There were many comments that corn is denting fast. A farmer from Manitowoc County stated third-crop hay had good quality, but quantity on some fields was down. Fourth cutting growth jumped right back, where rain showers occurred. A reporter in Lafayette County noted some farmers will get five good crops this year. Edges of soybean fields were starting to turn color in Rock County. A reporter from Grant County observed soybeans were really podding, looking extra good. There was white mold infestation reported in a few fields in Columbia County. Early apples were being picked in Bayfield County, orchards in the southern part of the State are now open. Potato whites, some varieties of russets were being harvested in Marathon County. The heat in July has affected the size on some varieties. Cranberry growers expect to start harvest by September 20 on early varieties and expect color, fruit size to be good. Pasture conditions are deteriorating in areas where rain is badly needed. Pasture feed 2% very poor, 6% poor, 26% fair, 52% good, 14% excellent.

WYOMING: Days suitable for fieldwork 6.1. Topsoil 44% short, 55% adequate, 1% surplus. Subsoil 43% short, 57% adequate. Winter wheat planted 4%, 8% 1997, 16% avg. Barley harvested 78%, 74% 1997, 73% avg. Oats mature 94%, 89% 1997, 86% avg.; harvested 68%, 51% 1997, 51% avg. Spring wheat harvested 82%, 50% 1997, 55% avg. Corn dough 80%, 96% 1997, 66% avg.; dented 17%, 56% 1997, 31% avg. Dry beans turning color 61%, 84% 1997, 72% avg.; windrowed 5%, 21% 1997, 25% avg. Alfalfa second cutting 75%, 74% 1997, 73% avg.; 3rd cutting 3%, 1% 1997, 6% avg. Other hay cut 92%, 90% 1997, 92% avg. Range, pasture feed 1% very poor, 7% poor, 24% fair, 58% good, 10% excellent. Dry bean 28% fair, 71% good, 1% excellent. Corn 6% poor, 11% fair, 74% good, 9% excellent. Sugar beet 10% fair, 86% good, 4% excellent. Warm, dry weather allowed farmers to make good progress harvesting. A few areas began planting winter wheat.

International Weather and Crop Summary

August 23 - 29, 1998

HIGHLIGHTS

FSU-WESTERN: Light showers eased prolonged dryness in parts of Ukraine but arrived too late to significantly improve prospects for drought-stressed corn and sunflowers.

FSU-NEW LANDS: Unseasonably warm, dry weather helped spring grain harvesting in Kazakhstan and Russia.

EUROPE: Rain slowed winter wheat harvesting in the north, while warm, dry weather favored early harvesting of corn and sunflowers in the south.

AUSTRALIA: Heavy rain in Queensland may have lodged reproductive to filling winter grains.

CANADA: Spring crop harvests progressed across the Prairies.

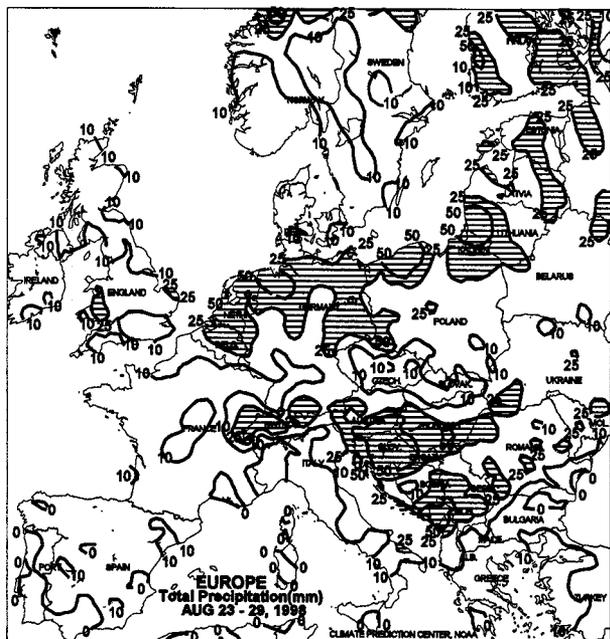
SOUTH ASIA: A shift in monsoonal rainfall benefited Indian oilseeds.

SOUTHEAST ASIA: Drier, sunnier weather favored filling to maturing rice in Vietnam, Thailand, and the Philippines.

EASTERN ASIA: Showers aggravated flooding in the Yangtze Valley. Heavy rain caused flooding and possible rice damage in northern Japan.

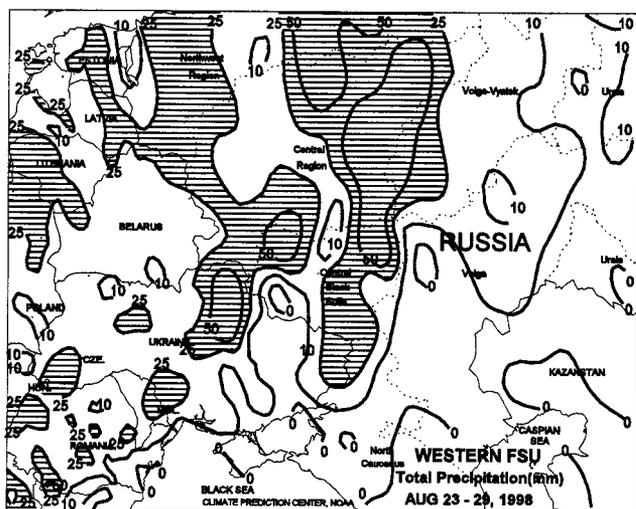
SOUTH AMERICA: Topsoils are becoming dry for winter wheat establishment in central Argentina.

MEXICO: Showers maintained adequate moisture supplies for corn across the Southern Plateau Corn Belt.



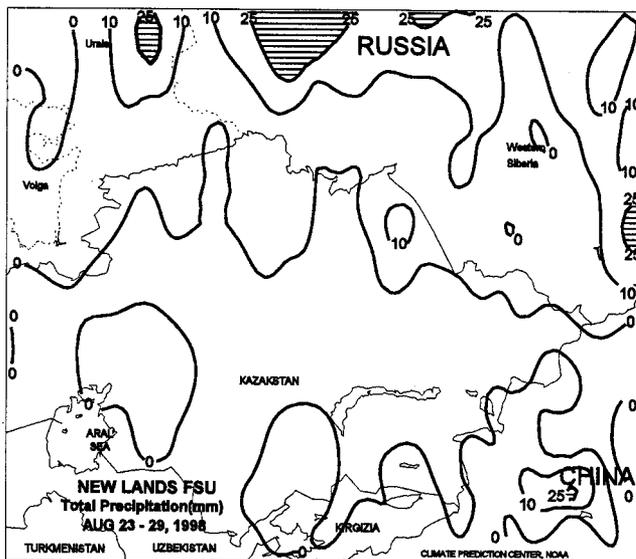
EUROPE

Rain (10-40 mm, with local amounts in excess of 40 mm) spread from England eastward across the Benelux countries and Germany into Poland, slowing wheat harvesting and planting of the 1999 winter oilseed crop. However, the precipitation in these areas provided moisture for oilseed emergence and summer crop development. In southern Europe, corn harvesting was reportedly underway in southern Spain and Italy, with sunflower harvesting just getting underway in southern France. Warm, dry weather prevailed from the Iberian peninsula and southern France eastward across Italy into Bulgaria, favoring corn and sunflower maturation and harvesting. Elsewhere, widespread rain (25-40 mm) fell in Hungary, Slovenia, Croatia, Bosnia, Serbia, and western Romania, favoring immature summer crops and increasing topsoil moisture for upcoming winter wheat planting. Weekly temperatures averaged 2 to 4 degrees C below normal in northern Europe and 1 to 3 degrees C above normal in southern Europe.



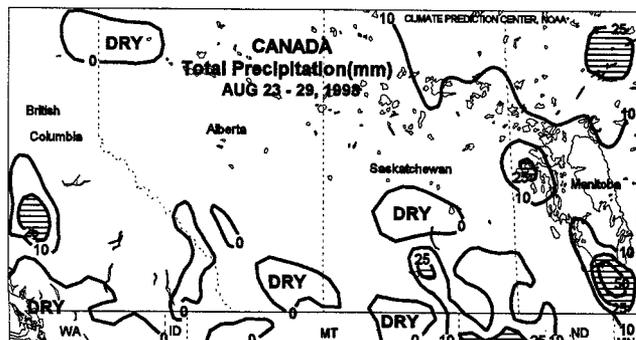
FSU-WESTERN

In Russia, winter and spring grain harvesting was well underway in the north, and was virtually completed in southern areas. Furthermore, winter grain planting was likely underway in northern Russia, where the optimum time for planting crops is late August. Soaking rain (25-50 mm, with local amounts in excess of 50 mm) fell in parts of northern Russia (Northwest Region, Central Region, and northern Black Soils Region), slowing fieldwork but providing abundant topsoil moisture for winter grain emergence. Less rain (around 10 mm) fell in Volga Vyatsk, causing only brief delays in fieldwork. In southern Russia, rain (25-42 mm) eased unfavorable dryness in the southern Black Soils Region, while chronic dryness continued in the lower Volga Valley and the North Caucasus. Showers are needed in these areas to boost topsoil moisture for winter grain planting, which typically occurs in September. In Ukraine, widespread showers (10-37 mm, with local amounts in excess of 40 mm) arrived too late to significantly improve prospects for drought-stressed corn and sunflowers in central and eastern areas but helped to recharge topsoil moisture for upcoming winter wheat planting. Elsewhere, light to moderate showers (10-40 mm) fell in Belarus and the Baltics, hampering spring grain harvesting and planting of the 1999 winter grain crop. Weekly temperatures averaged 2 to 4 degrees C below normal in western areas and 1 to 2 degrees C above normal in the east.



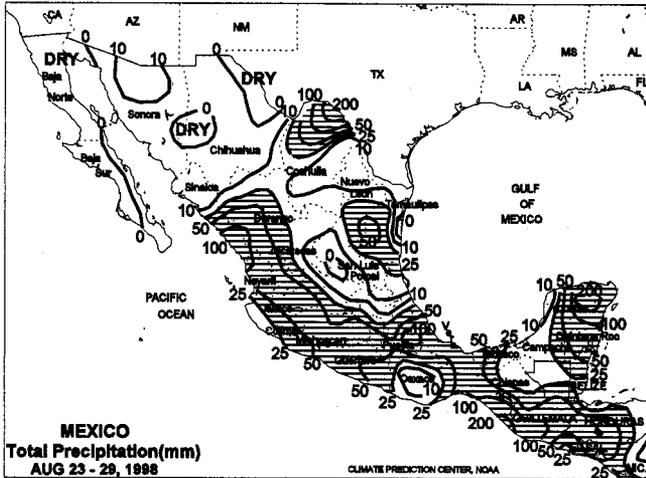
FSU-NEW LANDS

Unseasonably warm, dry weather favored spring grain maturation and harvesting in Kazakhstan and Russia. Weekly temperatures averaged 2 to 4 degrees C above normal in most areas. In Russia, reports as of August 25 indicated the harvest of spring grains and pulses, excluding corn, was about 35 percent complete compared with about 50 percent last year. In cotton-producing areas of Central Asia, the cotton harvest was just beginning in most areas. Hot, dry weather favored boll maturation and harvesting.



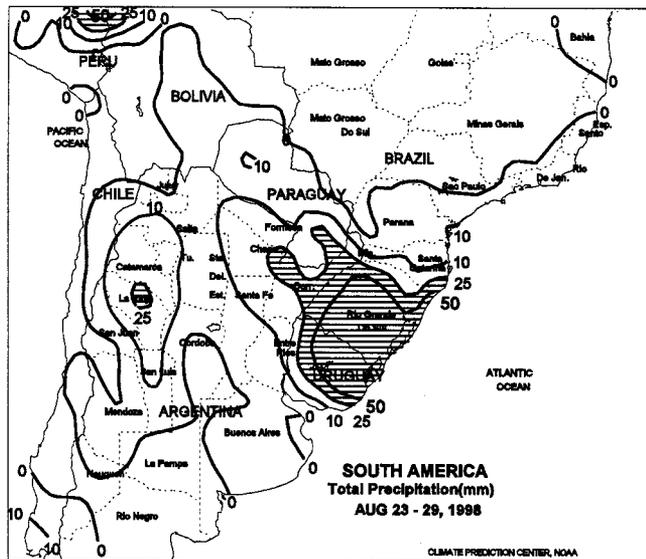
CANADA

Drier weather returned to the Prairies, favoring spring grain and oilseed harvests and improving quality prospects. Showers were mostly light (5 mm or less) and temperatures averaged 2 to 4 degrees C above normal. As of last week, fieldwork was reportedly just underway in northern growing areas and over half completed in many other areas. Total crop harvesting was well ahead of last year's pace and the 5-year average in most locations. In eastern Canada, moderate to heavy rain (25-50 mm or more) covered Quebec and Ontario's northernmost crop areas. However, warm (temperatures averaging 3-5 degrees C, highs in the low 30's degrees C), mostly dry weather dominated the remainder of Ontario's agricultural districts, hastening development of corn and soybeans.



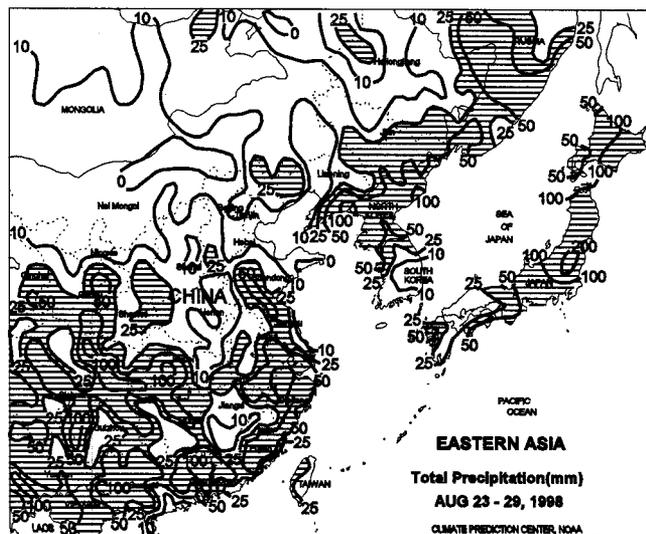
MEXICO

Seasonal showers (20-80 mm) continued to provide adequate moisture for corn development across Southern Plateau Corn Belt. Mostly dry weather returned to northeastern Mexico, where long-term moisture deficits still remain. The remnants of Tropical Storm Charley brought locally heavy rain (100-300 mm) to areas of northern Coahuila, across the border from Del Rio, Texas. However, the heaviest amounts were not widespread. Moderate showers (10-30 mm) favored pastures in Durango. Heavy showers (50-200 mm) boosted moisture supplies for corn in the Yucatan Peninsula, but caused some local flooding.



SOUTH AMERICA

Mostly dry weather (less than 5 mm) prevailed across central Argentina, where topsoils are becoming too dry for winter wheat establishment. According to reports as of August 21, winter wheat was 93 percent planted, compared with 91 percent last year. Planting is complete everywhere, except in the province of Buenos Aires. In southern Brazil, dry weather favored winter wheat maturation and harvesting in Parana and Mato Grosso do Sul. In eastern Rio Grande do Sul and Santa Catarina, light to moderate rain (10-40 mm) aided vegetative to reproductive winter wheat. Dry weather favored coffee and citrus regions of northern Sao Paulo and southeastern Minas Gerais.

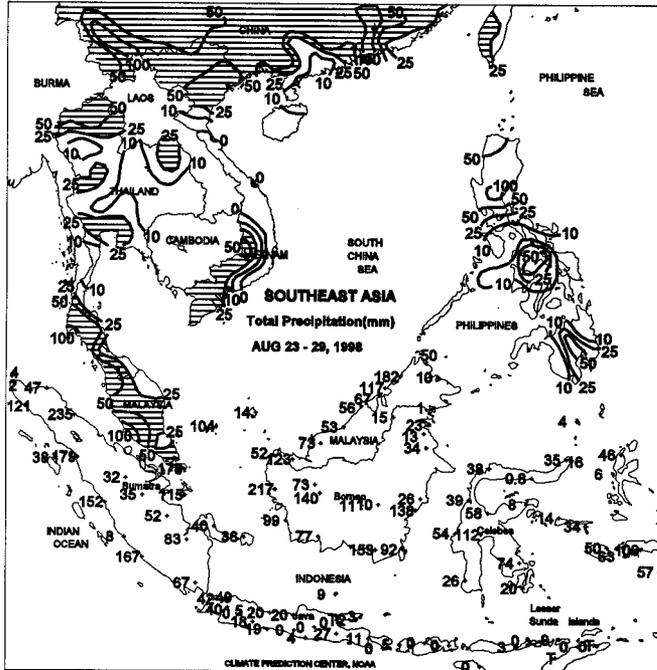


EASTERN ASIA

Moderate to heavy showers (25-80 mm, with isolated amounts greater than 100 mm) aggravated flooding across the Yangtze Valley. The showers maintained high river levels along the Yangtze River, slowing recovery efforts. Across southern China, variable showers (25-100 mm) increased moisture supplies for late double-crop rice. Drier weather (5-40 mm) maintained moisture levels and aided maturing cotton across the North China Plain. Drier weather (5-20 mm, with isolated amounts greater than 30 mm) also eased flooding in northern Manchuria (Heilongjiang). Heavier rain (20-50 mm) fell across the south (Liaoning). Temperatures averaged 1 to 3 degrees C above normal across central and southern China and slightly below normal in Manchuria. In northern Japan, excessive rain (75-200 mm, with isolated amounts greater than 300 mm) caused flooding and possible damage to filling and maturing rice. In North Korea, moderate to heavy showers (30-75 mm) increased moisture supplies for grains but possibly caused flooding. Moderate rain (10-50 mm) provided little flood relief to northern South Korea. Temperatures averaged 1 to 2 degrees C above normal in Japan and 1 to 3 degrees C below normal across the Korean peninsula.

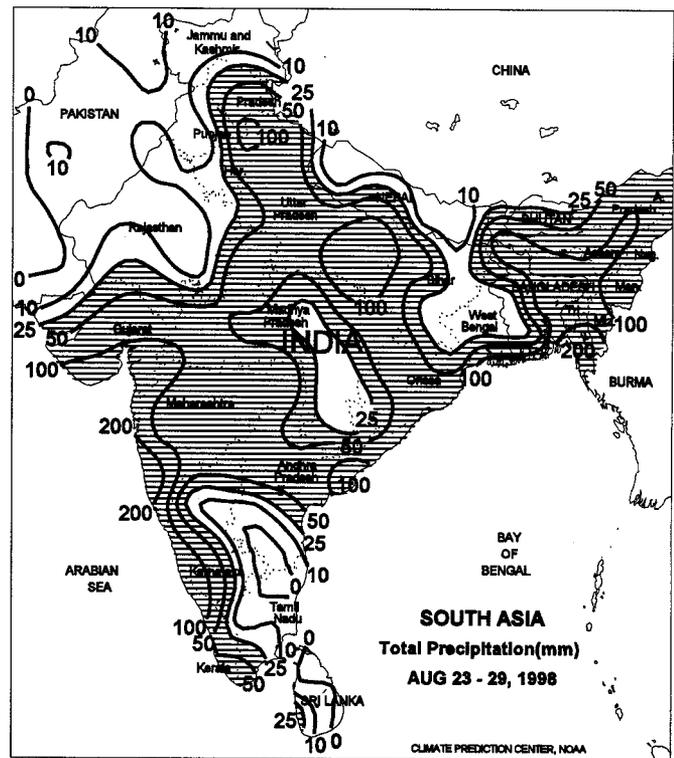
SOUTHEAST ASIA

Drier, sunnier weather (5-40 mm) prevailed across Thailand, Vietnam, and the Philippines, aiding filling to maturing rice. Moderate to heavy showers (50-150 mm) favored oil palm across peninsular Malaysia, but caused some local flooding. In Java, showers (5-35 mm) continued to provide adequate moisture for second-crop rice and corn.



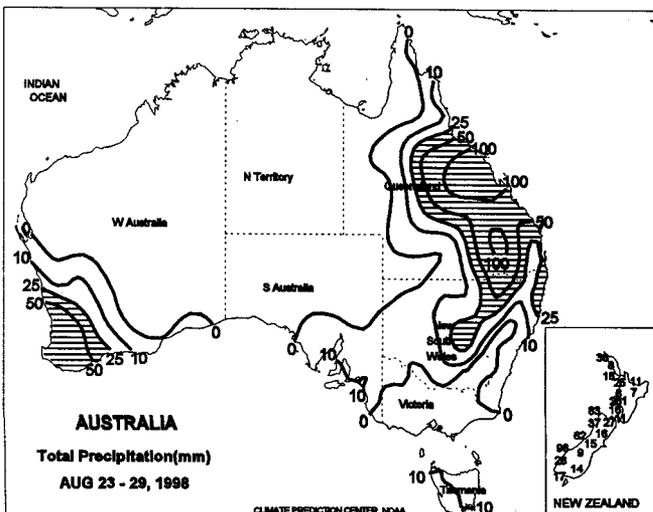
SOUTH ASIA

Monsoonal showers ended a brief drying trend over important oilseed areas of west-central India. Rainfall exceeded 50 mm over Gujarat and western Madhya Pradesh, boosting late-season moisture reserves for groundnuts and soybeans. The rain extended southeastward to northern Andhra Pradesh, maintaining generally favorable conditions for immature summer crops, including sugarcane. Lighter showers (2-32 mm) covered primary oilseed and cotton areas of the southern interior (Karnataka and southern Andhra Pradesh), following last week's beneficial, soaking rain. Elsewhere, widespread, moderate to heavy rainfall (50-100 mm or more in most areas) continued throughout primary rice areas of eastern India and Bangladesh. Flooding likely returned to eastern Uttar Pradesh, as well as outlying rice areas of southeastern Bangladesh that reported rainfall in excess of 300 mm. In the northwest, light showers (25 mm or more) and seasonable warmth hastened development of the predominantly irrigated cotton and rice crops in Pakistan and neighboring areas of India. The rainy season in the northwest will likely end in the next few weeks as the southwest monsoon begins its seasonal withdrawal.



AUSTRALIA

Heavy rain (50-100 mm or more) covered the main agricultural regions of southeastern Queensland, causing localized flooding and possibly lodging vegetative to reproductive wheat and barley. Along the coast, inundating showers hampered seasonal field activities in primary sugarcane areas and raised some concern for crops about to be harvested. More moderate rainfall (25-50 mm or more) extended southward into crop areas of northern New South Wales, keeping vegetative winter grains unusually wet. Dry weather returned to the southeastern grain belt, following last week's beneficial showers. Temperatures averaged near to below normal throughout the east, but frost potential was confined to southern growing areas. In Western Australia, moderate to heavy rain (25-50 mm or more) swept across southern agricultural areas. Temperatures in the west averaged 2 to 4 degrees C above normal, increasing crop growth rates. New Zealand pasture areas received generally moderate showers (10-25 mm or more).



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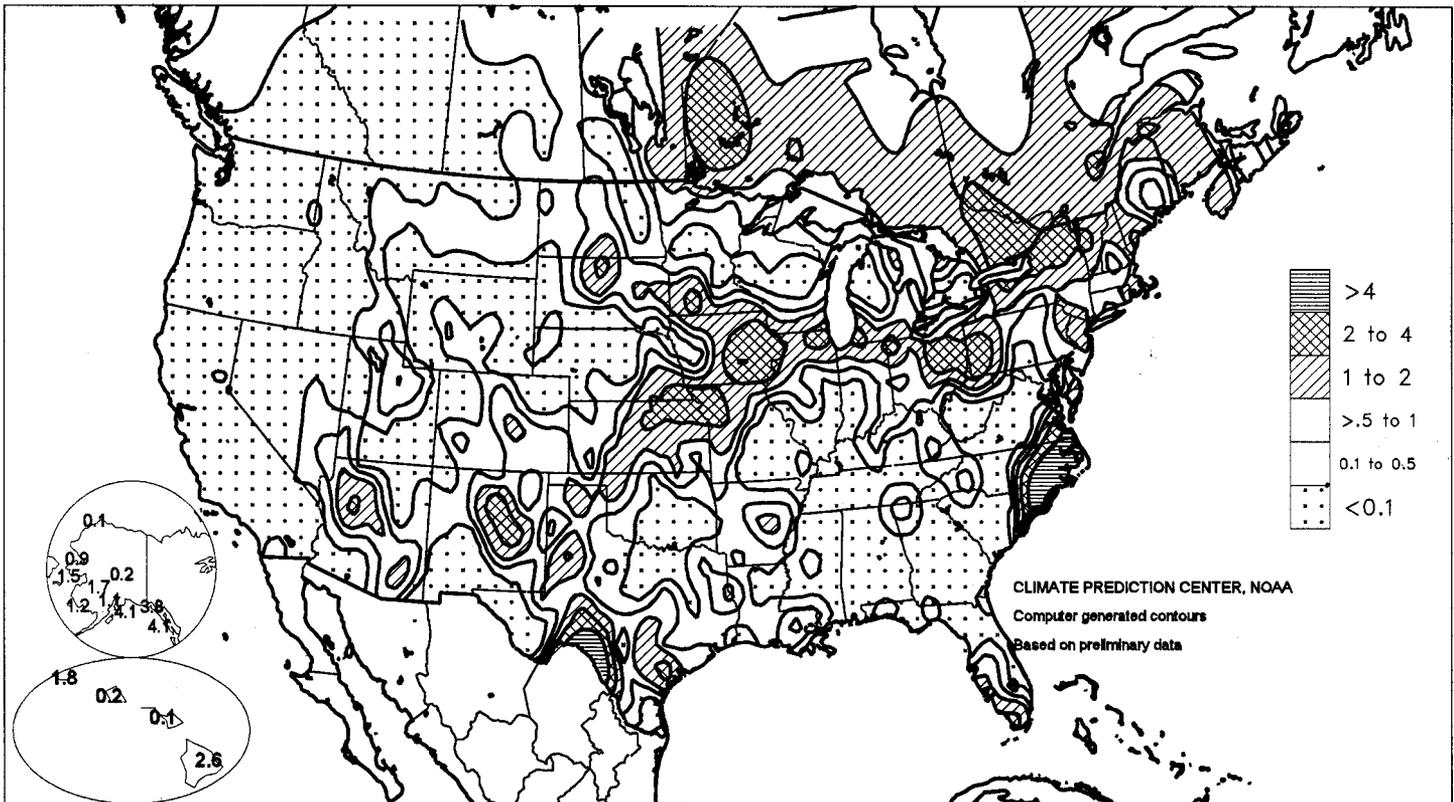
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**Total Precipitation (Inches)
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