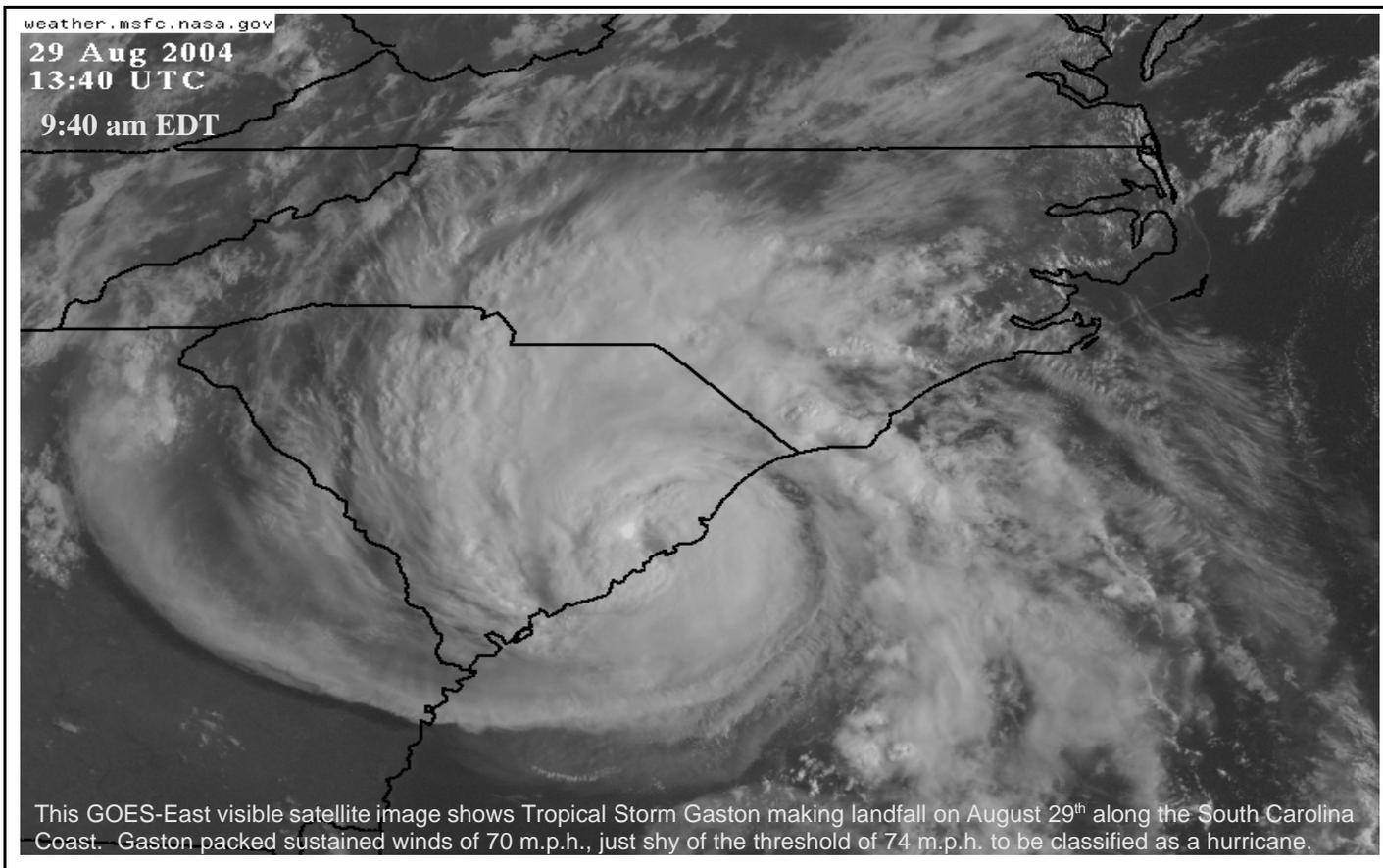


# WEEKLY WEATHER AND CROP BULLETIN



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 22 - 28, 2004

Highlights provided by USDA/WAOB

**T**orrential rains struck the **middle Mississippi and lower Missouri Valleys**, totaling 4 to 8 inches in a broad area centered on **northern Missouri**. The heavy rain halted fieldwork and caused some small-stream and river flooding but did not cause significant concern for maturing summer crops. Widespread showers were observed elsewhere in the **Midwest** and throughout the **South**, slowing fieldwork but maintaining adequate to abundant moisture reserves for immature summer crops and winter wheat planting preparations. Meanwhile, favorably dry weather returned to the **central and southern High Plains** in the wake of earlier rainfall, promoting summer crop

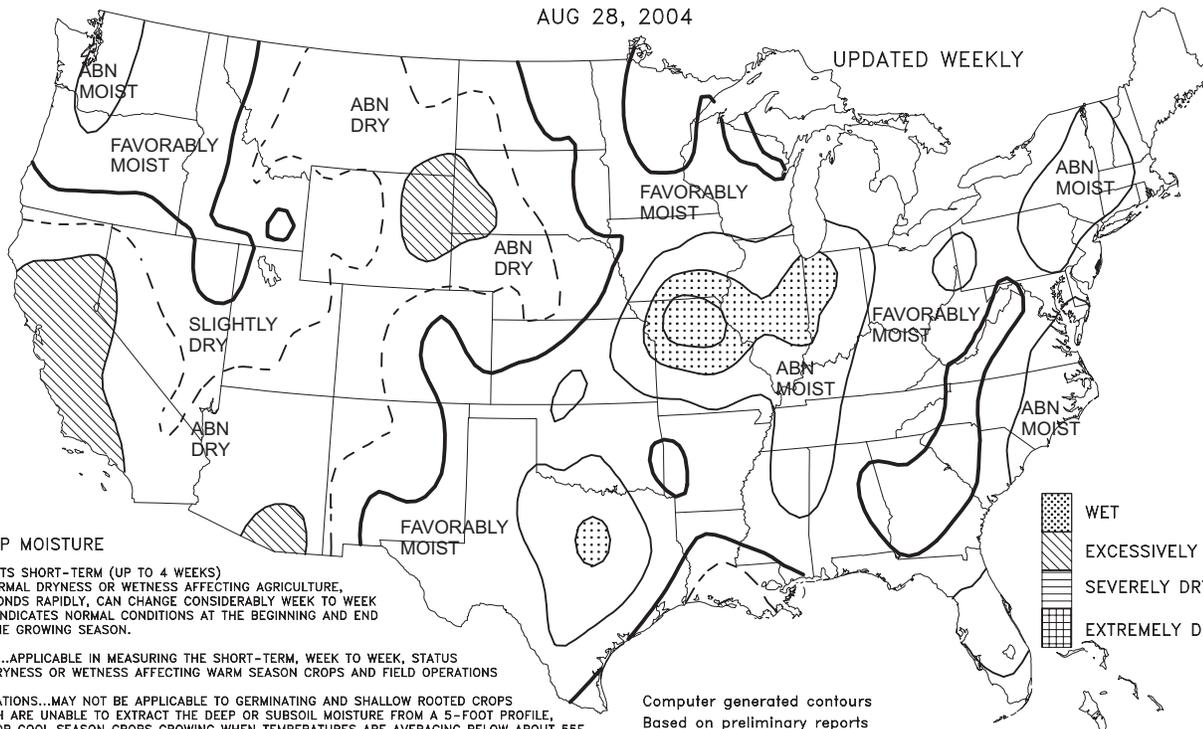
*(Continued on page 5)*

## Contents

Crop Moisture Maps . . . . .	2
Total Precipitation Map & Pan Evaporation Map . . . . .	3
Extreme Maximum & Minimum Temperature Maps . . . . .	4
Temperature Departure Map . . . . .	5
Growing Degree Day Maps . . . . .	6
National Weather Data for Selected Cities . . . . .	7
National Agricultural Summary . . . . .	10
Crop Progress and Condition Tables . . . . .	11
Agricultural Weather Data Compiled by USDA's Stoneville Field Office . . . . .	14
State Agricultural Summaries . . . . .	15
International Weather and Crop Summary . . . . .	22
<b>August Freeze Maps for the Canadian Prairies . . . . .</b>	<b>27</b>
Subscription Information . . . . .	28

Crop Moisture  
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE  
AUG 28, 2004

UPDATED WEEKLY



CROP MOISTURE

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

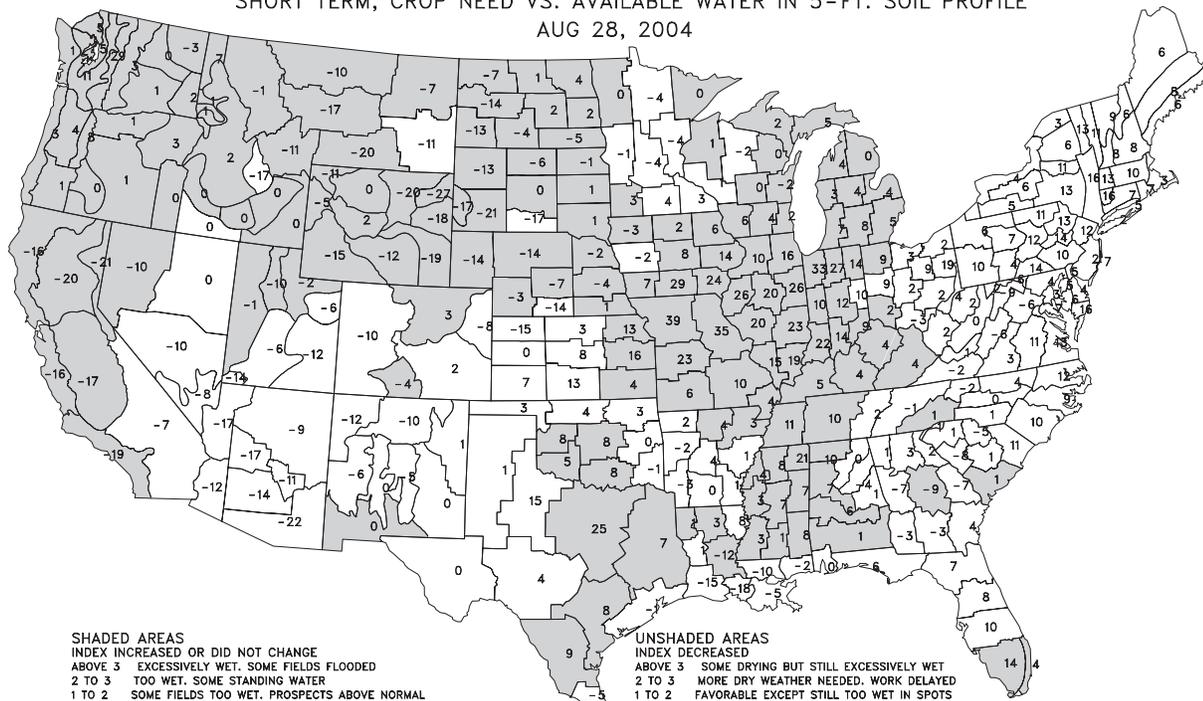
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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

Computer generated contours  
Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Crop Moisture Index  
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE  
AUG 28, 2004



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

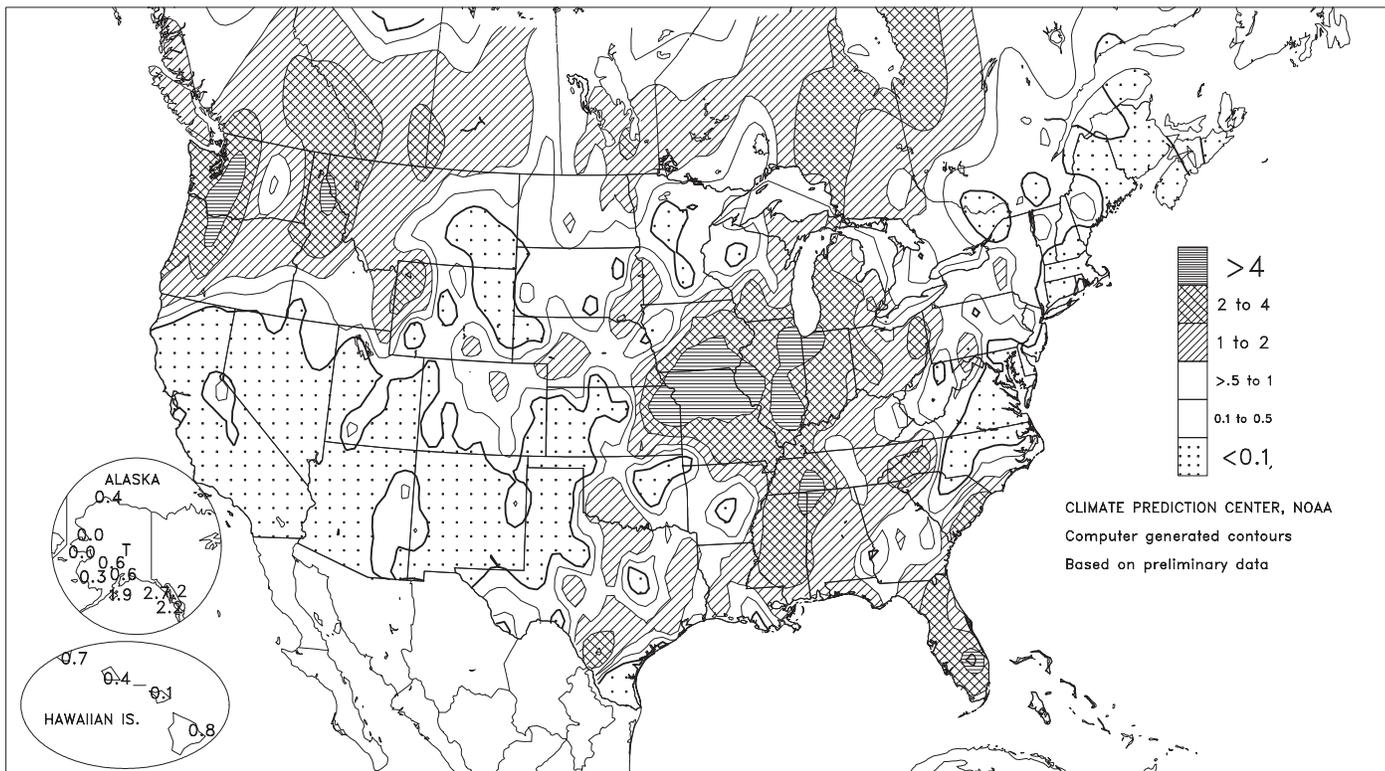
**UNSHADED AREAS**  
INDEX DECREASED  
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET  
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED  
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS  
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK  
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW  
-1 TO -2 ABNORMALLY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

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

BASED ON PRELIMINARY DATA

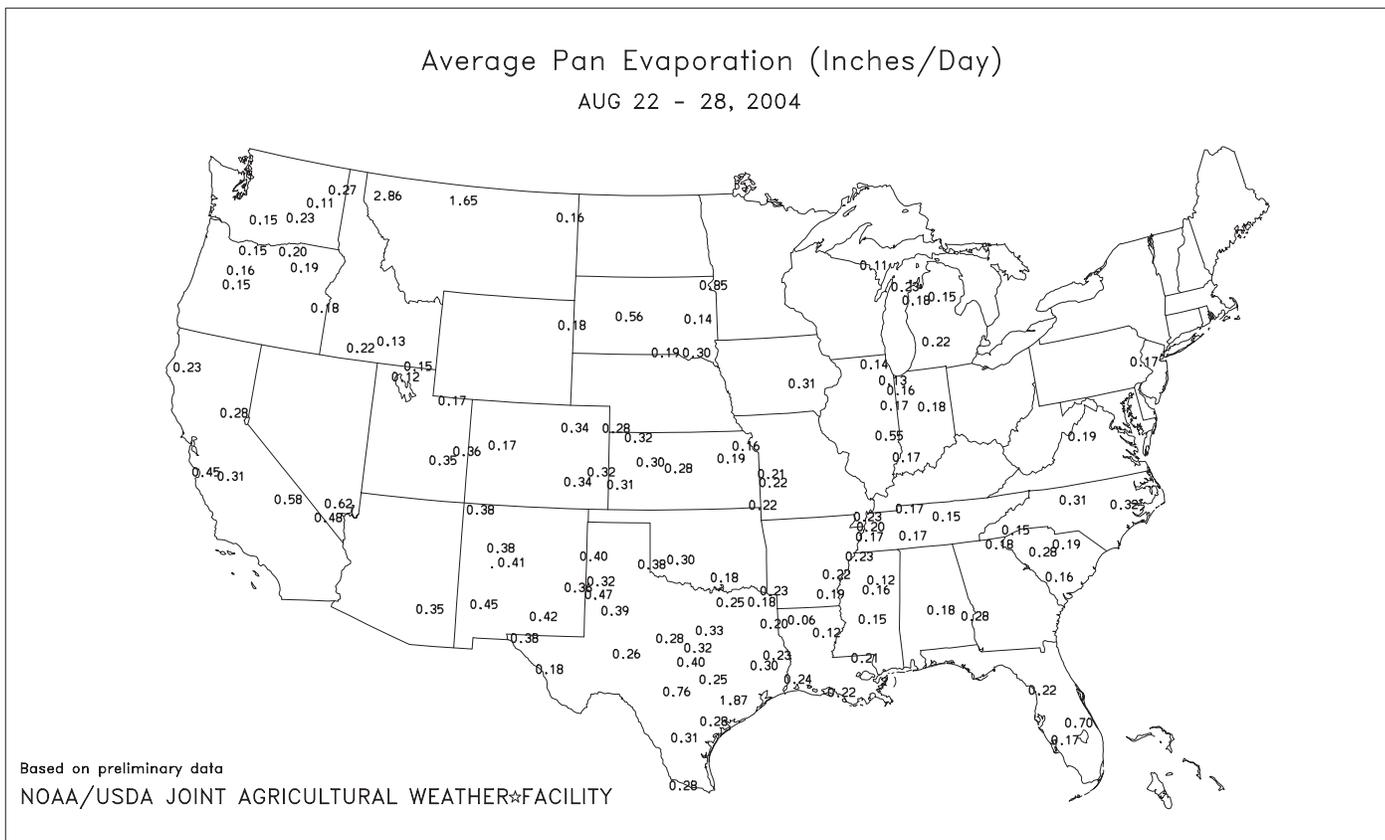
Total Precipitation (Inches)

AUG 22 - 28, 2004



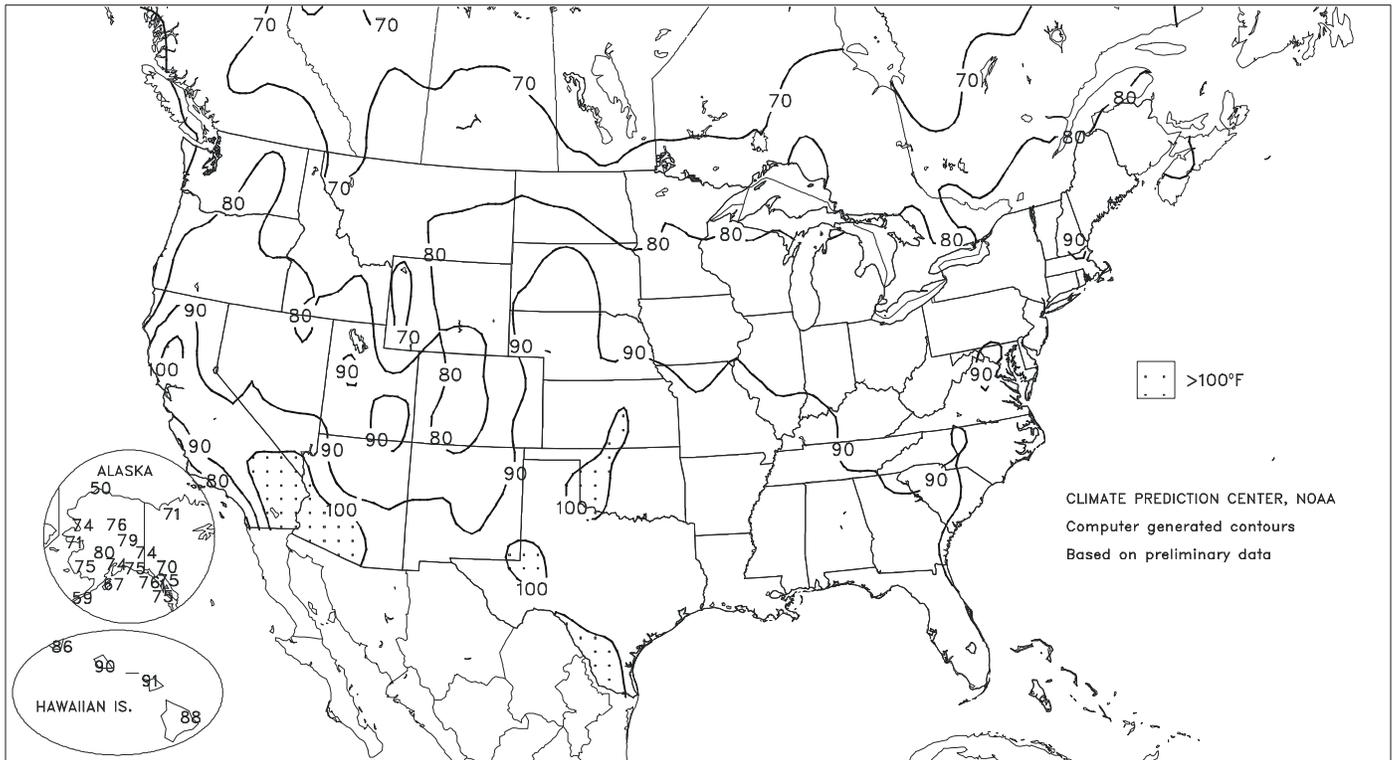
Average Pan Evaporation (Inches/Day)

AUG 22 - 28, 2004



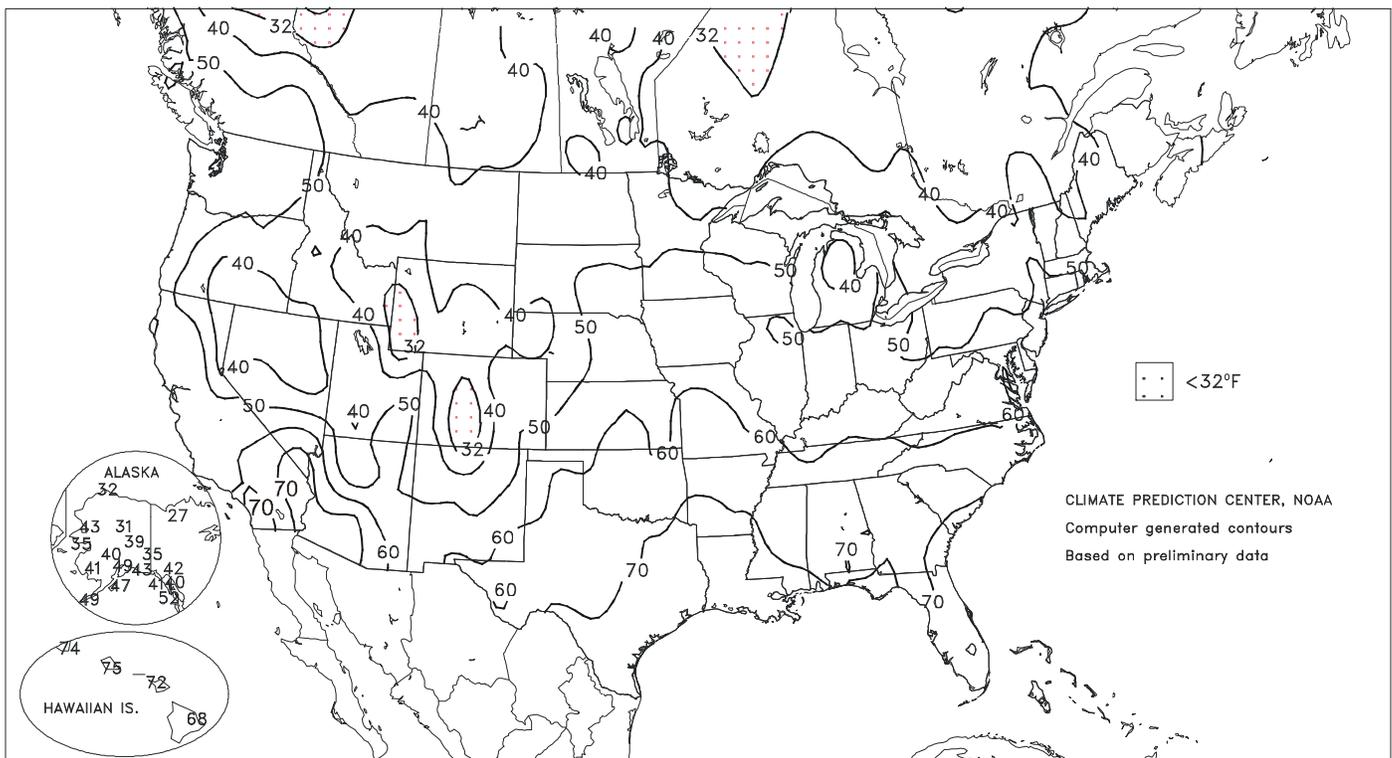
Extreme Maximum Temperature (°F)

AUG 22 - 28, 2004



Extreme Minimum Temperature (°F)

AUG 22 - 28, 2004



(Continued from front cover)

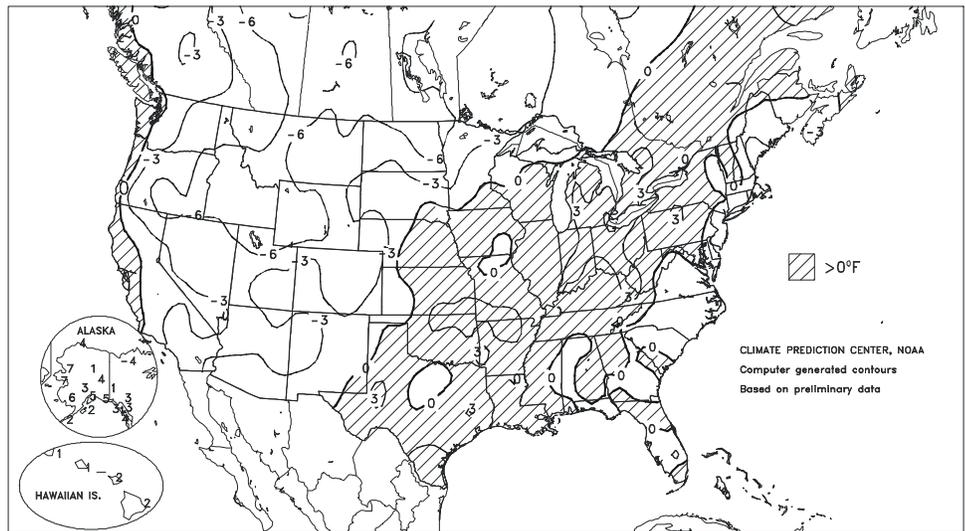
maturation and winter wheat planting preparations. Farther north, cool, showery weather in **Montana** and the **Northwest** slowed fieldwork but improved topsoil moisture. The remainder of the **West** experienced generally cool, dry weather. Below-normal temperatures eased **Western** irrigation demands, while dry conditions favored fieldwork but maintained stress on drought-affected pastures and rangelands. Cool weather across the **northern Plains** and the **West** contrasted with late-summer warmth in the **South, Midwest, and East**. Weekly temperatures averaged up to 5°F above normal in the **eastern Corn Belt** but ranged from 5 to 9°F below normal across the **interior Northwest**. On August 29, Tropical Storm Gaston made landfall near **Charleston, SC**. Although there were power outages and wind damage near the point of landfall, the Gaston's primary agricultural threat was heavy rainfall across already-wet **southern Mid-Atlantic summer crop areas**. Among the most vulnerable crops was cotton, on which more than half of the **Virginia** bolls were open at the time of Gaston's passage.

Chilly weather lingered early in the week across the **Midwest**, where daily-record lows on August 22 included 43°F in **Flint, MI**, and 49°F in **Chicago, IL**. However, the remainder of the week featured generally warm weather across the **Midwest, South, and East**. In **southern Texas, Corpus Christi** notched a daily record-tying high of 98°F on August 25. Meanwhile, much cooler air overspread much of the **West**, reaching the **Plains** late in the week. On August 26, the high of 68°F in **Salt Lake City, UT**, was the lowest on record for that date. The following day in **Colorado, Denver's** high of 55°F tied a record for the lowest maximum temperature on record during August (previously, 55°F on August 29, 1946). At week's end, daily-record lows for August 28 were set in locations such as **Casper, WY** (34°F), and **Denver** (42°F). Meanwhile, record warmth returned to the immediate **Pacific Coast**, where **San Francisco** (90°F on August 28) logged a daily-record high. Farther east, **Charleston, WV** (90°F on August 28), reached the 90-degree mark for only the second time this year. **Charleston's** annual record-low total of 2 days was established in 2003.

Heavy precipitation set numerous daily records in the **Northwest**. Record totals for August 22 included 1.13 inches at **Stampede Pass, WA**, and 1.17 inches in **Meacham, OR**. **Stampede Pass** also set daily records on August 24 and 25, with 2.61- and 1.29-inch totals. The August 24 sum represented the wettest summer day on record at **Stampede Pass**, surpassing the 2.51-inch total received on August 18, 1975. Heavy rain spread as far east as **Montana**, where **Great Falls** (1.37 inches on August 23) netted a daily-record total. Some rainfall totals in excess of 5 inches were reported in **western Montana** and **northern Idaho**. Meanwhile, locally heavy showers dotted the **Midwest** and **South**, where record amounts included 2.46 inches (on August 23) in **Jackson, MS**; 2.09 inches (on August 25) in **Lincoln, IL**; and 2.65 inches (on August 28) in **San Angelo, TX**. Toward week's end, torrential rainfall struck **northern Missouri** and adjacent areas. Some of the most

Departure of Average Temperature from Normal (°F)

AUG 22 - 28, 2004



significant flash flooding was reported in the **Kansas City area**, where as much as 6 inches of rain fell on August 27 in the **Brush, Turkey, and Mill Creek basins**. Meanwhile in the **Ohio Valley, Columbiana County, OH**, also reported as much as 6 inches of rain on the night of August 27-28, damaging homes and bridges in the **Beaver Creek basin**.

Gaston nearly reached hurricane strength before reaching the **South Carolina coast** near **McClellanville** on Sunday morning, August 29, with maximum sustained winds near 70 m.p.h. A few wind gusts in excess of 80 m.p.h. were reported in and near **Charleston, SC**. Gaston contributed to some impressive daily-record rainfall totals, including 4.59 inches on August 29 in **downtown Charleston** and 6.68 inches on August 30 in **Richmond, VA**. Elsewhere in **southeastern Virginia, Hanover** reported an August 29-30 24-hour total of 10.62 inches. After weakening inland over the **eastern Carolinas**, Gaston re-achieved tropical-storm intensity on the evening of August 30 while centered about 55 miles southwest of **Ocean City, MD**.

**Alaskan** temperatures fell slightly from the previous week's record-breaking levels but remained 1 to 7°F above normal. On August 15, **Alaskan** locations such as **Yakutat** (88°F) and **Sitka** (89°F) notched all-time-record highs, followed the next day by a monthly record high in **Anchorage** (85°F). **Yakutat's** former record high of 87°F was established on June 10, 1995; **Sitka's** record of 88°F was attained on July 30, 1976. On August 23 and 24, consecutive highs of 76°F in **Anchorage** marked the city's sixth and seventh daily-record highs during the month. Through August 29, month-to-date rainfall stood at 4.29 inches (35 percent of normal) in **Yakutat**, 1.17 inches (43 percent) in **Anchorage** and 0.37 inch (23 percent) in **Fairbanks** but reached 4.55 inches (150 percent) in **Nome**. Farther south, frequent but generally light showers fell in **Hawaii**, accompanied by warm weather (temperatures 1 to 2°F above normal). On the **Big Island, Hilo** posted a daily record-tying high of 88°F on August 25. **Hawaiian** month-to-date rainfall through August 29 totaled just 0.36 inch (71 percent of normal) in **Kahului, Maui**, but reached August-record levels in **Honolulu, Oahu**. **Honolulu's** August 1-29 total of 3.74 inches (850 percent of normal) easily surpassed its August 1959 record of 3.08 inches.



National Weather Data for Selected Cities

Weather Data for the Week Ending August 28, 2004

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

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	32 AND BELOW	OF INCH OR MORE	
																		0.1 INCH OR MORE	5.0 INCH OR MORE
AL BIRMINGHAM	88	70	91	68	79	0	0.44	-0.31	0.23	12.95	109	33.00	89	96	61	3	0	5	0
AL HUNTSVILLE	86	69	90	62	77	-1	0.80	0.03	0.68	12.71	110	34.93	91	96	73	1	0	3	1
AL MOBILE	91	74	92	71	82	1	1.75	0.31	0.88	32.19	189	52.61	114	89	57	6	0	3	2
AL MONTGOMERY	93	74	96	72	83	3	0.64	-0.18	0.61	13.99	111	33.27	87	88	52	6	0	3	1
AK ANCHORAGE	66	52	74	49	59	4	0.61	-0.10	0.44	2.64	49	6.73	78	91	73	0	0	2	0
AK BARROW	45	38	50	32	41	4	0.40	0.20	0.25	3.91	190	4.49	171	95	88	0	1	4	0
AK FAIRBANKS	65	48	79	39	57	4	0.01	-0.34	0.01	1.82	39	4.82	72	72	58	0	0	1	0
AK JUNEAU	66	48	75	40	57	3	1.18	-0.14	0.59	7.22	59	29.62	95	87	73	0	0	4	1
AK KODIAK	60	52	67	47	56	2	1.84	0.62	1.10	19.22	143	54.20	122	93	82	0	0	7	1
AK NOME	65	47	71	35	56	7	0.00	-0.74	0.00	6.89	112	11.34	115	88	78	0	0	0	0
AZ FLAGSTAFF	74	44	77	40	59	-4	0.01	-0.56	0.01	6.20	115	10.58	71	82	26	0	0	1	0
AZ PHOENIX	102	78	105	76	90	0	0.00	-0.17	0.00	0.95	51	4.97	100	35	20	7	0	0	0
AZ TUCSON	96	70	100	67	83	-1	0.00	-0.42	0.00	1.81	42	5.41	72	50	25	7	0	0	0
AZ YUMA	103	78	106	74	91	-2	0.00	-0.11	0.00	0.00	0	1.60	87	43	23	7	0	0	0
AR FORT SMITH	93	72	97	69	83	3	0.00	-0.63	0.00	16.00	165	34.00	122	94	54	6	0	0	0
AR LITTLE ROCK	91	74	93	70	82	2	0.07	-0.65	0.06	11.37	116	33.26	103	92	57	4	0	2	0
CA BAKERSFIELD	91	66	98	65	79	-1	0.00	-0.01	0.00	0.00	0	2.77	60	58	42	3	0	0	0
CA FRESNO	91	64	101	63	77	-2	0.00	0.00	0.00	0.47	196	4.67	59	68	41	4	0	0	0
CA LOS ANGELES	75	65	77	63	70	-1	0.00	-0.03	0.00	0.00	0	5.97	63	86	65	0	0	0	0
CA REDDING	90	66	102	61	78	1	0.00	-0.06	0.00	0.11	12	17.20	78	59	39	2	0	0	0
CA SACRAMENTO	89	61	100	58	75	1	0.00	-0.03	0.00	0.00	0	7.90	66	81	30	2	0	0	0
CA SAN DIEGO	75	67	76	66	71	-2	0.00	-0.03	0.00	0.00	0	3.96	52	74	66	0	0	0	0
CA SAN FRANCISCO	79	61	90	60	70	6	0.00	-0.02	0.00	0.00	0	8.67	65	85	66	2	0	0	0
CA STOCKTON	89	60	100	58	75	-1	0.00	-0.02	0.00	0.00	0	6.53	72	78	48	2	0	0	0
CO ALAMOSA	78	39	82	31	58	-2	0.06	-0.19	0.06	1.74	68	4.16	88	77	31	0	1	1	0
CO CO SPRINGS	74	50	82	42	62	-4	0.65	-0.02	0.35	15.02	180	19.68	140	83	36	0	0	2	0
CO DENVER INTL	77	51	85	42	64	-4	1.09	0.80	0.89	7.86	144	11.51	109	81	32	0	0	4	1
CO GRAND JUNCTION	86	60	90	50	73	1	0.00	-0.17	0.00	0.38	22	4.35	76	42	21	2	0	0	0
CO PUEBLO	82	50	89	45	66	-5	0.37	-0.05	0.31	5.66	105	12.22	126	87	35	0	0	2	0
CT BRIDGEPORT	79	63	88	58	71	-1	0.00	-0.83	0.00	11.26	106	29.20	99	87	59	0	0	0	0
CT HARTFORD	80	56	92	49	68	-2	0.01	-0.92	0.01	10.73	97	25.47	85	92	49	1	0	1	0
DC WASHINGTON	84	69	87	63	76	0	0.00	-0.77	0.00	16.60	169	29.17	113	88	55	0	0	0	0
DE WILMINGTON	82	63	88	54	72	-2	0.00	-0.79	0.00	19.78	180	36.53	127	97	57	0	0	0	0
FL DAYTONA BEACH	89	75	91	72	82	1	0.98	-0.56	0.81	30.97	190	39.50	124	95	59	1	0	6	1
FL JACKSONVILLE	89	73	91	71	81	1	1.25	-0.51	0.73	32.41	186	43.16	124	96	64	3	0	4	1
FL KEY WEST	90	79	91	75	84	0	0.51	-0.86	0.39	10.30	81	19.51	82	89	67	4	0	6	0
FL MIAMI	91	76	93	75	84	0	1.71	-0.50	0.93	23.49	106	37.07	99	91	62	5	0	3	2
FL ORLANDO	91	74	93	72	82	-1	0.61	-0.86	0.52	27.90	139	40.73	118	95	61	5	0	4	1
FL PENSACOLA	90	73	92	71	82	0	0.92	-0.57	0.69	26.25	128	41.27	91	96	62	5	0	7	1
FL TALLAHASSEE	92	73	95	71	82	0	0.58	-0.90	0.57	24.97	117	40.17	87	94	64	5	0	2	1
FL TAMPA	90	75	92	72	83	0	0.92	-0.89	0.45	32.19	171	44.56	143	91	60	6	0	4	0
FL WEST PALM BEACH	89	74	91	74	82	-1	2.70	0.91	1.03	19.92	103	31.85	83	97	70	3	0	7	2
GA ATHENS	88	68	91	67	78	1	0.39	-0.41	0.39	10.00	85	20.08	61	91	57	2	0	1	0
GA ATLANTA	86	70	90	69	78	0	0.56	-0.24	0.53	11.61	97	25.48	74	89	63	1	0	2	1
GA AUGUSTA	90	68	91	65	79	1	0.07	-0.93	0.07	15.91	130	28.46	90	97	56	3	0	1	0
GA COLUMBUS	90	73	93	71	82	1	0.70	-0.05	0.49	15.13	127	29.76	87	90	50	4	0	2	0
GA MACON	91	71	94	68	81	2	2.67	1.84	2.09	14.68	131	29.45	93	90	51	5	0	2	2
GA SAVANNAH	88	72	90	71	80	0	1.53	-0.09	0.84	15.74	87	26.84	76	97	63	1	0	5	2
HI HILO	86	70	88	68	78	2	0.84	-1.39	0.32	14.44	54	91.60	114	83	70	0	0	6	0
HI HONOLULU	89	77	90	75	83	1	0.38	0.32	0.16	1.67	129	20.46	202	79	68	3	0	5	0
HI KAHULUI	89	74	91	72	82	2	0.12	0.03	0.07	0.37	32	24.61	205	79	67	4	0	4	0
HI LIHUE	85	76	86	74	81	1	0.67	0.26	0.27	6.15	110	23.45	102	85	76	0	0	6	0
ID BOISE	75	53	83	46	64	-8	0.17	0.08	0.10	1.27	95	7.82	100	76	51	0	0	4	0
ID LEWISTON	76	57	82	53	66	-5	1.54	1.37	0.94	3.32	133	11.28	132	82	61	0	0	4	1
ID POCATELLO	73	46	81	37	59	-7	0.42	0.28	0.22	2.21	102	8.15	97	91	47	0	0	5	0
IL CHICAGO/O'HARE	80	63	86	49	72	2	3.59	2.53	1.41	11.19	99	23.95	98	89	71	0	0	6	2
IL MOLINE	82	64	87	58	73	2	2.95	1.98	0.87	9.66	77	26.95	101	97	77	0	0	5	3
IL PEORIA	82	64	85	56	73	2	3.52	2.84	1.72	12.73	120	24.77	102	97	71	0	0	6	2
IL ROCKFORD	79	61	83	49	70	1	4.55	3.59	2.43	15.88	126	31.16	123	96	79	0	0	5	3
IL SPRINGFIELD	84	65	89	54	75	3	2.15	1.41	1.10	11.69	113	23.68	97	93	71	0	0	6	1
IN EVANSVILLE	87	66	91	56	77	2	2.81	2.11	2.42	12.38	116	29.33	96	96	72	1	0	4	1
IN FORT WAYNE	83	63	87	51	73	4	1.05	0.26	0.73	16.50	152	30.11	121	95	67	0	0	2	1
IN INDIANAPOLIS	84	66	87	58	75	3	2.58	1.79	1.74	16.94	142	36.78	130	97	67	0	0	4	1
IN SOUTH BEND	82	65	87	51	73	4	2.95	2.01	1.31	15.02	131	27.20	106	98	77	0	0	5	3
IA BURLINGTON	84	66	91	59	75	2	4.66	3.81	1.55	11.98	97	23.55	90	94	67	1	0	7	3
IA CEDAR RAPIDS	79	62	85	55	70	0	4.93	3.97	2.24	12.88	105	26.98	114	100	73	0	0	7	3
IA DES MOINES	81	65	88	60	73	1	2.74	1.76	1.06	12.74	100	32.48	130	98	82	0	0	5	2
IA DUBUQUE	78	61	84	53	70	2	1.02	-0.04	0.41	8.00	67	23.02	93	96	82	0	0	5	0
IA SIOUX CITY	83	61	87	51	72	2	0.25	-0.36	0.10	8.24	87	20.20	105	95	61	0	0	4	0
IA WATERLOO	82	64	88	56	73	4	1.56	0.67	1.31	10.20	81	28.90	120	93	68	0	0	6	1
KS CONCORDIA	88	64	96	57	76	1	0.44	-0.20	0.29	9.69	88	20.84	97	87	54	2	0	3	0
KS DODGE CITY	87	63	92	56	75	-1	0.01	-0.52	0.01	11.88	136	17.70	103	85	42	2	0	1	0
KS GOODLAND	85	55	93	46	70	-1	0.04	-0.37	0.02	8.75	97	13.73	85	86	35	2	0	2	0
KS TOPEKA	87	66	93	60	76	1	4.05	3.17	1.75	18.57	154	31.38	127	91	67	2	0	5	3

Weather Data for the Week Ending August 28, 2004

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN. SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	50 INCH OR MORE
KY WICHITA	91	68	100	62	80	2	0.14	-0.52	0.14	17.16	169	30.57	143	90	59	4	0	1	0
KY JACKSON	83	66	88	57	74	1	0.60	-0.31	0.44	15.63	121	42.30	126	97	67	0	0	3	0
KY LEXINGTON	83	67	88	58	75	1	1.95	1.19	1.04	17.80	140	41.57	129	96	74	0	0	4	1
LA LOUISVILLE	86	69	91	60	78	2	0.88	0.19	0.76	11.09	100	36.50	118	93	62	2	0	3	1
LA PADUCAH	87	68	92	57	78	3	1.03	0.36	0.45	7.50	65	25.46	77	98	63	2	0	4	0
LA BATON ROUGE	94	75	94	73	84	3	0.08	-1.22	0.06	14.71	89	49.75	114	94	52	7	0	2	0
LA LAKE CHARLES	92	76	94	75	84	2	1.16	-0.08	0.97	17.27	112	53.36	142	92	60	6	0	6	1
LA NEW ORLEANS	91	77	93	76	84	2	0.41	-1.11	0.15	20.72	112	58.10	130	93	63	6	0	4	0
LA SHREVEPORT	91	75	93	71	83	1	0.40	-0.18	0.32	16.14	141	43.44	127	92	59	6	0	2	0
ME CARIBOU	73	48	84	40	61	0	0.04	-0.85	0.03	11.22	103	20.60	84	92	53	0	0	2	0
ME PORTLAND	75	54	89	49	65	0	0.00	-0.68	0.00	12.01	129	26.97	94	93	56	0	0	0	0
MD BALTIMORE	85	65	90	57	75	2	0.00	-0.85	0.00	15.58	147	32.50	117	90	53	1	0	0	0
MA BOSTON	78	61	91	56	69	-2	0.00	-0.79	0.00	9.85	106	28.35	104	85	48	1	0	0	0
MA WORCESTER	76	57	86	52	66	0	0.02	-0.89	0.01	11.15	94	27.23	86	95	51	0	0	2	0
MI ALPENA	75	52	85	36	63	1	0.82	0.06	0.33	8.08	92	17.63	93	98	62	0	0	5	0
MI GRAND RAPIDS	80	61	86	47	71	3	1.88	0.92	0.69	10.55	100	29.72	126	90	69	0	0	5	3
MI HOUGHTON LAKE	77	55	81	33	66	3	1.02	0.14	0.39	4.82	54	19.73	105	93	66	0	0	5	0
MI LANSING	80	61	88	42	71	4	1.06	0.15	0.49	10.26	110	26.19	128	87	63	0	0	3	0
MI MUSKEGON	79	60	85	44	70	3	2.04	1.10	1.14	9.94	121	28.07	139	95	73	0	0	4	2
MI TRAVERSE CITY	78	61	84	46	70	4	3.08	2.24	0.83	8.51	90	22.84	108	90	58	0	0	5	4
MN DULUTH	68	53	78	46	61	0	0.67	-0.35	0.67	8.89	73	19.33	93	95	79	0	0	1	1
MN INT'L FALLS	67	44	73	33	56	-5	0.08	-0.66	0.07	7.34	73	14.67	89	98	68	0	0	2	0
MN MINNEAPOLIS	78	60	84	55	69	1	0.38	-0.50	0.28	7.85	65	19.71	93	90	63	0	0	3	0
MN ROCHESTER	76	60	84	55	68	3	0.78	-0.14	0.35	16.33	131	29.47	130	96	79	0	0	5	0
MN ST. CLOUD	75	55	82	50	65	0	0.43	-0.49	0.37	9.37	82	19.93	103	98	66	0	0	3	0
MS JACKSON	91	72	93	70	82	2	5.11	4.36	2.65	19.09	162	43.25	112	94	58	6	0	2	2
MS MERIDIAN	88	70	93	67	79	-2	1.85	1.18	1.54	19.69	159	40.07	98	97	68	4	0	5	1
MS TUPELO	88	71	91	66	79	1	2.05	1.44	1.06	16.59	154	41.09	109	95	67	2	0	3	2
MO COLUMBIA	83	66	93	60	75	1	3.41	2.58	1.10	15.18	136	34.75	127	96	75	1	0	5	4
MO KANSAS CITY	85	67	94	60	76	1	3.40	2.57	1.49	14.84	124	27.89	109	97	67	2	0	5	2
MO SAINT LOUIS	88	69	93	64	79	3	2.29	1.64	1.30	10.45	102	31.31	120	96	72	2	0	5	1
MO SPRINGFIELD	88	69	95	62	79	3	0.49	-0.46	0.37	10.58	92	28.40	99	93	66	3	0	5	0
MT BILLINGS	76	53	84	47	65	-3	0.15	-0.04	0.10	4.45	115	7.71	73	73	30	0	0	4	0
MT BUTTE	63	42	73	36	53	-6	1.18	0.88	0.77	4.91	104	8.82	92	100	45	0	0	4	1
MT GLASGOW	72	50	78	43	61	-5	0.44	0.19	0.17	5.45	108	10.78	125	91	64	0	0	5	0
MT GREAT FALLS	66	48	79	42	57	-6	1.71	1.35	1.15	6.18	121	10.74	95	86	46	0	0	3	1
MT HAVRE	70	49	78	43	60	-5	1.27	1.02	0.74	4.65	105	9.26	107	92	66	0	0	6	1
MT KALISPELL	63	52	73	48	57	-4	2.04	1.74	0.78	5.62	117	11.38	97	97	82	0	0	6	1
MT MISSOULA	66	50	72	45	58	-6	2.01	1.74	1.09	5.56	146	12.64	131	92	74	0	0	6	2
NE GRAND ISLAND	84	61	92	55	72	1	0.76	0.07	0.38	7.26	75	14.60	75	91	57	2	0	2	0
NE LINCOLN	86	63	92	54	74	1	1.46	0.72	0.87	8.02	80	16.79	81	90	67	2	0	3	1
NE NORFOLK	85	62	90	52	73	3	0.21	-0.37	0.12	7.89	75	21.61	107	89	54	1	0	4	0
NE NORTH PLATTE	84	55	95	44	70	0	1.01	0.64	0.58	11.31	137	15.14	96	92	36	2	0	3	1
NE OMAHA	84	64	90	58	74	2	1.03	0.32	0.63	13.93	131	30.16	139	93	70	1	0	3	1
NE SCOTTSBLUFF	81	50	90	39	65	-3	0.10	-0.12	0.07	4.18	72	6.53	52	87	38	1	0	3	0
NE VALENTINE	83	57	94	48	70	1	0.32	-0.07	0.11	6.70	81	13.40	87	82	41	3	0	4	0
NV ELY	76	42	83	32	59	-4	0.01	-0.18	0.01	2.31	114	4.86	72	66	29	0	1	1	0
NV LAS VEGAS	96	76	99	72	86	-1	0.00	-0.07	0.00	0.25	28	2.86	91	30	20	7	0	0	0
NV RENO	81	55	89	48	68	0	0.00	-0.07	0.00	0.48	54	4.58	95	61	35	0	0	0	0
NV WINNEMUCCA	79	46	85	35	62	-5	0.12	0.04	0.07	0.55	45	3.16	58	73	33	0	0	4	0
NH CONCORD	81	50	90	44	66	0	0.00	-0.72	0.00	9.96	107	24.80	103	95	47	1	0	0	0
NJ NEWARK	81	65	92	55	73	-1	0.00	-0.87	0.00	14.87	128	31.46	101	82	55	1	0	0	0
NM ALBUQUERQUE	86	58	90	52	72	-3	0.00	-0.35	0.00	3.07	89	8.00	132	58	22	1	0	0	0
NY ALBANY	78	57	87	49	68	1	0.46	-0.37	0.46	14.50	139	26.03	103	93	59	0	0	1	0
NY BINGHAMTON	75	59	81	48	67	2	0.70	-0.10	0.38	13.52	132	26.98	107	92	69	0	0	4	0
NY BUFFALO	79	63	86	48	71	4	0.69	-0.27	0.61	9.67	93	26.54	105	84	60	0	0	2	1
NY ROCHESTER	79	61	86	47	70	3	0.12	-0.75	0.07	10.79	115	24.36	111	89	64	0	0	2	0
NY SYRACUSE	80	59	87	48	70	2	0.85	-0.01	0.51	12.74	117	29.35	116	90	56	0	0	2	1
NC ASHEVILLE	80	64	85	61	72	1	0.66	-0.33	0.44	14.91	123	28.20	87	95	61	0	0	4	0
NC CHARLOTTE	85	66	90	65	76	-2	0.00	-0.83	0.00	19.99	190	30.19	104	91	52	1	0	0	0
NC GREENSBORO	86	66	90	62	76	1	0.00	-0.83	0.00	11.69	104	21.17	73	87	50	1	0	0	0
NC HATTERAS	82	72	86	69	77	-1	0.55	-0.94	0.47	9.81	68	22.54	62	79	56	0	0	2	0
NC RALEIGH	85	65	89	63	75	-1	0.01	-0.84	0.01	19.09	173	32.21	111	93	53	0	0	1	0
NC WILMINGTON	85	69	87	66	77	-2	0.74	-0.92	0.41	19.01	97	33.53	85	97	60	0	0	4	0
ND BISMARCK	76	52	86	43	64	-2	1.66	1.23	1.04	8.43	119	12.76	102	90	57	0	0	6	2
ND DICKINSON	76	48	82	43	62	-4	0.38	0.02	0.15	5.34	79	8.94	73	95	37	0	0	4	0
ND FARGO	72	50	79	43	61	-5	0.42	-0.13	0.19	7.72	90	17.07	113	95	58	0	0	5	0
ND GRAND FORKS	70	46	75	40	58	-7	1.96	1.40	0.82	5.84	69	14.57	103	96	52	0	0	5	3
ND JAMESTOWN	72	48	77	40	60	-6	0.28	-0.17	0.23	6.50	78	16.03	115	99	56	0	0	4	0
ND WILLISTON	75	49	81	41	62	-3	0.17	-0.13	0.08	5.08	86	10.50	100	87	57	0	0	3	0
OH AKRON-CANTON	80	62	85	48	71	2	1.03	0.22	0.73	15.81	146	33.67	129	96	69	0	0	2	1
OH CINCINNATI	84	66	90	59	75	2	0.55	-0.26	0.31	11.98	104	32.09	108	90	66	1	0	4	0
OH CLEVELAND	83	64	88	49	74	5	0.44	-0.47	0.33	8.19	77	25.87	102	89	58	0	0	3	0
OH COLUMBUS	84	66	89	55	75	3	1.11	0.34	0.63	15.23	127	35.52	133	90	63	0	0	3	1
OH DAYTON	82	66	86	56	74	3	1.56	0.81	1.47	13.53	122	33.95	124	92	60	0	0	3	1
OH MANSFIELD	82	62	86	48	72	4	0.38	-0.66	0.33	13.93	108	32.64	110	94	61	0	0	3	0

Weather Data for the Week Ending August 28, 2004

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	TEMP. °F		PRECIP		
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	50 INCH OR MORE	
OK TOLEDO	83	65	85	50	74	5	1.91	1.14	1.55	10.37	110	20.17	91	91	66	0	0	5	1	
OK YOUNGSTOWN	80	61	85	41	70	3	0.85	0.03	0.39	11.57	105	30.12	119	95	65	0	0	3	0	
OK OKLAHOMA CITY	91	72	96	67	82	3	0.28	-0.35	0.28	15.74	162	25.17	105	88	56	5	0	1	0	
OK TULSA	92	74	97	63	83	3	0.00	-0.78	0.00	16.68	164	35.45	130	86	63	5	0	0	0	
OR ASTORIA	69	58	71	53	63	2	2.33	1.94	1.15	5.86	124	37.40	99	95	86	0	0	7	1	
OR BURNS	70	43	83	38	57	-5	0.72	0.64	0.69	1.59	114	6.41	94	87	53	0	0	3	1	
OR EUGENE	74	56	82	48	65	-1	0.75	0.44	0.31	2.30	77	19.71	68	92	75	0	0	5	0	
OR MEDFORD	80	56	92	50	68	-3	0.52	0.37	0.28	0.70	50	10.33	100	88	47	1	0	4	0	
OR PENDLETON	75	58	80	52	66	-4	0.78	0.64	0.31	2.94	179	10.85	137	76	58	0	0	5	0	
OR PORTLAND	71	60	76	58	65	-3	1.78	1.50	0.88	3.96	129	17.10	81	90	79	0	0	5	1	
OR SALEM	73	58	79	53	65	-1	0.92	0.70	0.43	2.91	114	20.35	90	90	74	0	0	4	0	
PA ALLENTOWN	81	59	89	48	70	0	0.26	-0.75	0.26	15.02	124	29.40	98	89	58	0	0	1	0	
PA ERIE	81	65	88	48	73	4	0.72	-0.37	0.53	9.34	83	27.81	107	83	63	0	0	2	1	
PA MIDDLETOWN	82	64	90	56	73	0	0.03	-0.74	0.02	18.48	178	33.00	123	97	61	1	0	2	0	
PA PHILADELPHIA	83	64	89	58	74	-1	0.00	-0.84	0.00	16.24	147	33.63	118	88	54	0	0	0	0	
PA PITTSBURGH	81	62	84	49	71	1	0.24	-0.53	0.12	16.62	150	38.02	146	94	57	0	0	4	0	
PA WILKES-BARRE	79	59	87	47	69	0	0.12	-0.64	0.12	12.78	123	26.09	106	92	59	0	0	1	0	
PA WILLIAMSPORT	80	62	86	51	71	2	0.04	-0.78	0.04	14.23	124	30.47	111	91	64	0	0	1	0	
RI PROVIDENCE	78	58	88	51	68	-2	0.00	-0.93	0.00	10.64	106	26.78	89	89	53	0	0	0	0	
SC BEAUFORT	88	72	89	69	80	0	2.75	1.01	1.74	15.00	83	25.80	74	98	60	0	0	4	2	
SC CHARLESTON	87	73	89	71	80	0	0.95	-0.69	0.54	13.72	75	27.20	76	97	70	0	0	4	1	
SC COLUMBIA	88	71	92	67	80	1	0.05	-1.12	0.04	16.05	104	26.01	75	90	57	2	0	2	0	
SC GREENVILLE	84	68	88	66	76	0	0.69	-0.16	0.67	13.36	110	23.96	70	97	64	0	0	3	1	
SD ABERDEEN	76	52	84	50	64	-4	0.28	-0.22	0.25	7.58	89	16.31	106	95	61	0	0	2	0	
SD HURON	78	57	86	53	68	-1	0.25	-0.16	0.12	11.06	139	20.11	126	92	54	0	0	3	0	
SD RAPID CITY	82	52	91	41	67	-2	0.30	0.00	0.16	4.84	77	10.04	78	78	25	1	0	5	0	
SD SIOUX FALLS	78	57	86	51	68	0	1.62	0.93	0.75	10.97	121	24.04	134	90	69	0	0	5	2	
TN BRISTOL	85	62	88	57	74	2	0.00	-0.64	0.00	12.53	117	31.87	109	99	53	0	0	0	0	
TN CHATTANOOGA	86	69	90	68	78	1	0.49	-0.34	0.43	14.08	119	32.77	89	96	62	2	0	2	0	
TN KNOXVILLE	84	67	89	66	76	0	0.65	0.08	0.32	17.65	156	36.73	109	98	65	0	0	4	0	
TN MEMPHIS	92	73	94	68	82	2	2.08	1.41	1.19	9.28	83	33.63	93	88	54	6	0	3	2	
TN NASHVILLE	86	69	91	61	77	0	0.36	-0.40	0.30	10.83	101	38.66	120	91	59	1	0	4	0	
TX ABILENE	89	70	94	60	80	-1	0.37	-0.29	0.36	10.52	149	23.15	154	90	69	4	0	2	0	
TX AMARILLO	90	62	96	60	76	1	0.00	-0.63	0.00	9.27	108	15.43	105	72	24	4	0	0	0	
TX AUSTIN	94	75	97	71	85	1	0.26	-0.26	0.14	17.27	221	34.67	162	91	55	6	0	2	0	
TX BEAUMONT	92	77	93	74	84	2	0.31	-0.93	0.10	16.71	104	42.77	111	94	58	6	0	7	0	
TX BROWNSVILLE	97	80	97	78	88	4	0.00	-0.94	0.00	5.65	78	20.18	133	87	7	0	0	0	0	
TX CORPUS CHRISTI	97	79	98	75	88	5	0.00	-0.99	0.00	3.86	45	23.65	122	89	51	7	0	0	0	
TX DEL RIO	96	75	100	72	86	2	0.39	0.04	0.37	5.39	94	16.18	132	86	58	6	0	3	0	
TX EL PASO	91	66	96	63	79	-1	0.00	-0.39	0.00	5.69	147	8.47	152	55	21	5	0	0	0	
TX FORT WORTH	92	75	96	69	84	1	2.35	1.96	2.28	18.93	265	35.21	154	86	53	6	0	3	1	
TX GALVESTON	91	81	92	78	86	2	0.11	-1.06	0.07	12.56	112	30.11	112	83	64	6	0	2	0	
TX HOUSTON	94	76	96	71	85	2	0.24	-0.73	0.22	21.61	181	48.26	157	92	64	7	0	2	0	
TX LUBBOCK	91	67	97	61	79	3	0.00	-0.58	0.00	8.03	112	17.66	139	82	43	5	0	0	0	
TX MIDLAND	95	70	100	67	82	3	0.02	-0.38	0.02	3.61	71	8.41	92	76	42	6	0	1	0	
TX SAN ANGELO	91	69	98	62	80	0	2.89	2.13	2.65	9.98	185	17.52	134	89	58	5	0	3	1	
TX SAN ANTONIO	95	77	98	74	86	3	0.64	0.01	0.33	11.18	130	24.38	115	89	46	7	0	2	0	
TX VICTORIA	94	75	96	72	85	1	0.17	-0.68	0.11	19.17	182	45.66	180	94	60	7	0	3	0	
TX WACO	94	76	97	70	85	1	0.01	-0.40	0.01	13.41	194	37.30	176	88	56	7	0	1	0	
TX WICHITA FALLS	93	72	98	64	83	1	1.10	0.46	1.10	15.64	213	25.43	135	86	57	6	0	1	1	
UT SALT LAKE CITY	76	55	87	48	66	-7	0.09	-0.09	0.06	2.27	108	9.13	84	70	33	0	0	2	0	
VT BURLINGTON	76	56	85	46	66	0	1.09	0.17	0.96	15.94	145	25.95	111	92	58	0	0	4	1	
VA LYNCHBURG	83	59	88	56	71	-2	0.00	-0.74	0.00	10.71	96	20.93	72	98	56	0	0	0	0	
VA NORFOLK	82	67	85	62	74	-2	0.00	-1.00	0.00	25.05	190	38.05	120	95	63	0	0	0	0	
VA RICHMOND	85	66	89	62	76	1	0.01	-0.87	0.01	26.01	218	37.99	128	96	57	0	0	1	0	
VA ROANOKE	84	62	90	57	73	0	0.16	-0.69	0.16	13.65	124	27.76	96	88	52	1	0	1	0	
VA WASH/DULLES	85	64	91	55	74	1	0.03	-0.86	0.02	11.30	103	24.80	89	92	53	1	0	2	0	
WA OLYMPIA	71	55	76	49	63	1	2.17	1.82	0.79	4.90	139	23.25	82	98	84	0	0	6	2	
WA QUILLYUTE	***	***	***	***	***	***	***	***	***	***	***	42.46	74	***	***	-	-	-	-	
WA SEATTLE-TACOMA	69	58	72	58	63	-2	2.08	1.79	0.90	4.12	132	18.26	89	93	82	0	0	5	2	
WA SPOKANE	69	54	74	52	62	-4	0.89	0.73	0.46	3.03	121	10.76	105	94	54	0	0	5	0	
WA YAKIMA	76	51	83	46	64	-3	0.79	0.71	0.52	2.35	214	6.48	135	92	60	0	0	4	1	
WV BECKLEY	79	60	84	49	69	1	0.02	-0.67	0.01	13.95	119	34.55	118	91	66	0	0	2	0	
WV CHARLESTON	86	65	90	59	75	4	0.09	-0.77	0.06	12.90	102	36.56	120	97	54	1	0	2	0	
WV ELKINS	83	55	86	52	69	2	0.03	-0.91	0.01	15.62	118	38.55	120	100	51	0	0	3	0	
WV HUNTINGTON	86	66	90	58	76	3	0.29	-0.47	0.26	11.14	94	31.22	105	93	56	1	0	3	0	
WI EAU CLAIRE	77	59	86	55	68	1	0.20	-0.90	0.12	8.22	66	21.68	96	94	59	0	0	2	0	
WI GREEN BAY	76	60	83	50	68	3	1.43	0.55	0.66	8.65	85	25.06	126	91	66	0	0	5	1	
WI LA CROSSE	78	62	89	59	70	1	0.59	-0.37	0.54	16.72	139	33.58	146	99	67	0	0	3	1	
WI MADISON	77	61	84	53	69	2	0.97	-0.01	0.41	14.04	118	32.32	139	89	77	0	0	4	0	
WI MILWAUKEE	78	63	84	53	70	1	1.97	1.03	0.75	11.31	105	27.90	118	89	76	0	0	5	2	
WY CASPER	75	46	83	34	61	-5	0.14	0.02	0.13	3.57	108	6.61	71	75	36	0	0	2	0	
WY CHEYENNE	74	49	81	40	61	-3	0.56	0.20	0.38	6.05	101	9.04	76	66	39	0	0	2	0	
WY LANDER	71	47	79	40	59	-8	0.13	0.01	0.08	5.30	216	11.10	121	69	38	0	0	3	0	
WY SHERIDAN	77	47	87	41	62	-3	0.50	0.30	0.46	3.45	92	6.32	61	66	30	0	0	3	0	

Based on 1971-2000 normals

-999 Not Available

NOTE: These data

## National Agricultural Summary

August 23 - 29, 2004

Weekly National Agricultural Summary provided by USDA/NASS

### HIGHLIGHTS

Despite a brief period of warm weather, temperatures in the northern Great Plains and northwestern Corn Belt averaged below normal, further delaying summer crop development. Above-normal temperatures prevailed across the rest of the Corn Belt, while moderate precipitation fell in the eastern half of the region and heavy rainfall drenched fields and hindered fieldwork in Illinois, Missouri, and Iowa. In the central and southern Great Plains, temperatures were generally above normal, while mostly dry conditions were favorable for summer crop development and winter wheat planting

preparations. Temperatures were generally above normal across the Delta and Southeast, with light to moderate precipitation. Heavy rainfall and below-normal temperatures prevailed across the Pacific Northwest and adjacent areas of the Rocky Mountains, slowing crop development and delaying fieldwork. Dry weather dominated the Southwest, encouraging fieldwork, while below-normal temperatures eased irrigation demands. Along the middle and northern Atlantic Coast, conditions were mostly dry, with near-normal temperatures.

**Corn:** Doughing advanced to 79 percent complete, 7 percentage points behind last year and 9 points behind normal. Denting had occurred over 46 percent of the acreage, compared with 50 percent last year and 57 percent for the 5-year average. Eleven percent of the crop was mature, the same as last year but 2 points behind normal. Doughing was most advanced in the Southeast, reaching completion in Kentucky, North Carolina, and Tennessee, while in the upper Midwest, the crop continued to lag well behind the normal pace, by as much as 63 points in North Dakota. Despite above-normal temperatures across most growing areas, denting progressed slowly, advancing less than 10 points in most States, and maximum of 20 points in Iowa. The crop matured ahead of normal in the Ohio Valley, but maturation had not yet begun across the northern Corn Belt.

**Soybeans:** Ninety-five percent of the crop was at or beyond the pod setting stage, 1 point ahead of last year but the same as the 5-year average. Leaves had begun dropping on 6 percent of the acreage, the same as last year but 1 point behind normal. Pod setting progressed slowly, nearing completion in most States, though development continued to trail the normal pace in the northern Corn Belt. The crop dropped leaves well ahead of the normal pace in the Delta and at a near-normal pace in the central Corn Belt but was behind normal in the Great Plains, where just 3 percent of Kansas's crop had reached the stage, 16 points behind the average.

**Cotton:** Bolls were open on 25 percent of the acreage, compared with 21 percent last year and 32 percent for the average. The crop advanced 24 points in North Carolina and 17 points in Mississippi, but progress was limited to 15 points or less elsewhere and to less than 10 points in most States. Texas's crop advanced just 2 points and was 8 points behind the normal pace. Across the Delta, boll-opening was over a week behind normal. Meanwhile, despite advancing only 6 points, Virginia's crop was 38 points ahead of the normal pace.

**Sorghum:** Heading advanced to 88 percent complete, 6 points ahead of last year but 3 points behind the normal pace. Coloring, at 46 percent complete, was 1 point behind last year and 14 points behind normal. Twenty-four percent of the crop was mature,

compared with 26 percent last year and 32 percent for the 5-year average. Heading neared completion in Illinois, Missouri, and South Dakota but lagged behind normal elsewhere. At 77 percent turning color, Illinois's crop was 16 points ahead of normal, while coloring was 19 points behind normal in Kansas, 17 points behind in Nebraska, and 14 points behind in Texas. Maturation trailed the normal pace by 12 points in Missouri and by 10 points in Kansas and Texas.

**Rice:** Heading reached 95 percent complete, 2 points behind last year and the average. Growers had harvested 18 percent of their acreage, 1 point behind last year and 2 points behind normal. Heading was complete in Louisiana, Mississippi, and Texas. The crop advanced ahead of normal in California and Missouri but was 6 points behind normal in Arkansas, where 92 percent of the crop was headed. Three-fourths of Louisiana's crop and 71 percent of Texas's crop had been harvested, with progress in both States behind normal.

**Small Grains:** Fifty percent of the spring wheat crop had been harvested, 40 points behind last year and 25 points behind normal. Progress advanced 15 points in Idaho and 19 points in Montana but was limited to less than 10 points elsewhere. With persistent cool weather delaying development, North Dakota growers were nearly 2 weeks behind their normal harvest pace and Minnesota's harvest was nearly 3 weeks behind normal.

The barley harvest advanced to 61 percent complete, 29 points behind last year and 14 points behind the average pace. With record rainfall in some areas, Washington's harvest was nearly halted, advancing just 2 percent. Despite steady progress elsewhere, harvest remained well behind normal, particularly in Minnesota and North Dakota, where producers were over a week behind their normal pace.

Growers had harvested 85 percent of the oat acreage, compared with 95 percent last year and 93 percent for the 5-year average. Harvest was complete in Iowa, Nebraska, and South Dakota and neared completion in Ohio and Pennsylvania. Minnesota producers trailed their normal harvest pace by 14 points, while North Dakota growers were over 18 points behind normal.

# Crop Progress and Condition

Week Ending August 29, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

Soybeans Percent Setting Pods				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	95	92	93	91
IL	97	94	94	96
IN	98	95	90	95
IA	99	98	99	99
KS	86	84	85	90
KY	87	79	78	86
LA	100	99	95	98
MI	87	82	96	94
MN	95	90	99	99
MS	100	100	100	100
MO	93	81	88	88
NE	99	95	97	98
NC	77	66	64	66
ND	99	95	100	100
OH	97	93	95	97
SD	98	93	99	98
TN	95	89	91	90
WI	81	78	93	91
18 Sts	95	91	94	95
These 18 States planted 96% of last year's soybean acreage.				

Corn Percent Dough				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
CO	41	28	86	77
IL	96	95	92	95
IN	96	90	81	92
IA	81	62	82	87
KS	94	93	97	98
KY	100	92	95	98
MI	49	37	64	59
MN	35	25	86	85
MO	96	93	97	96
NE	92	83	93	93
NC	100	99	92	96
ND	29	27	90	92
OH	91	82	82	86
PA	79	76	63	71
SD	74	60	84	87
TN	100	99	100	100
TX	98	94	97	99
WI	43	34	69	68
18 Sts	79	70	86	88
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Mature				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
CO	0	0	7	4
IL	14	5	7	14
IN	14	7	2	9
IA	2	0	8	10
KS	21	14	35	34
KY	54	23	40	50
MI	0	0	0	1
MN	0	0	2	2
MO	38	29	46	43
NE	1	0	6	8
NC	78	71	42	59
ND	0	0	4	4
OH	3	2	0	4
PA	8	4	2	6
SD	1	0	5	7
TN	58	35	56	61
TX	74	68	73	68
WI	0	0	0	0
18 Sts	11	6	11	13
These 18 States planted 92% of last year's corn acreage.				

Soybeans Percent Dropping Leaves				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	21	NA	9	10
IL	4	NA	1	3
IN	12	NA	5	10
IA	1	NA	3	2
KS	3	NA	18	19
KY	5	NA	1	5
LA	41	NA	17	28
MI	0	NA	0	1
MN	0	NA	4	2
MS	62	NA	41	41
MO	4	NA	4	3
NE	2	NA	3	6
NC	1	NA	2	2
ND	0	NA	8	5
OH	5	NA	1	8
SD	16	NA	25	20
TN	9	NA	6	9
WI	0	NA	0	0
18 Sts	6	NA	6	7
These 18 States planted 95% of last year's soybean acreage.				

Corn Percent Dented				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
CO	11	8	44	34
IL	76	67	56	68
IN	67	52	35	60
IA	39	19	51	59
KS	70	63	75	77
KY	85	75	82	88
MI	9	2	14	21
MN	6	4	47	44
MO	85	78	84	84
NE	46	31	56	63
NC	95	93	78	86
ND	2	2	52	50
OH	49	33	27	41
PA	44	36	18	36
SD	17	11	37	46
TN	99	97	97	94
TX	91	85	88	90
WI	4	1	21	24
18 Sts	46	36	50	57
These 18 States planted 92% of last year's corn acreage.				

Cotton Percent Bolls Opening				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AL	18	12	19	33
AZ	60	45	50	57
AR	14	5	19	32
CA	40	30	18	22
GA	30	16	17	32
LA	40	31	42	60
MS	39	22	38	59
MO	12	8	10	33
NC	34	10	4	18
OK	21	9	21	15
SC	20	15	13	19
TN	15	9	22	34
TX	20	18	21	28
VA	54	48	10	16
14 Sts	25	17	21	32
These 14 States planted 98% of last year's cotton acreage.				

Barley Percent Harvested				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
ID	65	55	74	69
MN	50	32	98	87
MT	61	43	88	68
ND	57	44	96	78
WA	87	85	96	79
5 Sts	61	48	90	75
These 5 States harvested 85% of last year's barley acreage.				

# Crop Progress and Condition

Week Ending August 29, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

Sorghum Percent Headed				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	79	67	88	83
IL	98	95	92	97
KS	85	78	81	92
LA	100	100	100	100
MO	98	95	95	96
NE	93	90	88	94
NM	65	44	61	73
OK	82	75	83	83
SD	95	88	99	95
TX	89	83	76	90
11 Sts	88	82	82	91

These 11 States planted 97% of last year's sorghum acreage.

Sorghum Percent Coloring				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	94	91	99	96
CO	17	4	29	19
IL	77	58	35	61
KS	34	23	37	53
LA	100	99	98	98
MO	67	42	54	65
NE	26	15	31	43
NM	11	7	12	19
OK	41	36	48	44
SD	40	28	50	49
TX	61	55	59	75
11 Sts	46	37	47	60

These 11 States planted 97% of last year's sorghum acreage.

Sorghum Percent Mature				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	71	57	74	68
CO	1	0	6	1
IL	9	1	0	3
KS	3	1	6	13
LA	95	90	91	92
MO	10	3	9	22
NE	0	0	1	3
NM	2	0	0	0
OK	19	7	20	20
SD	0	0	4	3
TX	52	50	53	62
11 Sts	24	21	26	32

These 11 States planted 97% of last year's sorghum acreage.

Spring Wheat Percent Harvested				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
ID	69	54	78	71
MN	33	29	94	82
MT	49	30	88	66
ND	41	32	88	71
SD	98	91	100	99
WA	89	81	96	81
6 Sts	50	40	90	75

These 6 States harvested 99% of last year's spring wheat acreage.

Rice Percent Headed				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	92	89	99	98
CA	95	85	87	90
LA	100	97	100	100
MS	100	100	99	97
MO	94	85	94	93
TX	100	100	100	100
6 Sts	95	91	97	97

These 6 States planted 100% of last year's rice acreage.

Rice Percent Harvested				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
AR	3	1	5	6
CA	3	0	0	0
LA	75	66	73	76
MS	11	3	12	9
MO	1	0	0	1
TX	71	64	75	82
6 Sts	18	14	19	20

These 6 States harvested 100% of last year's rice acreage.

Oats Percent Harvested				
	Aug 29 2004	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	100
MN	80	65	96	94
NE	100	98	100	100
ND	62	48	90	80
OH	97	90	99	100
PA	95	81	90	92
SD	100	95	100	100
WI	91	78	95	95
8 Sts	85	75	95	93

These 8 States harvested 66% of last year's oat acreage.

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	6	24	46	23
IL	2	4	23	53	18
IN	4	6	18	51	21
IA	2	7	23	50	18
KS	1	3	16	58	22
KY	0	4	19	42	35
LA	6	21	32	33	8
MI	4	12	34	42	8
MN	8	14	34	38	6
MS	1	4	13	47	35
MO	2	6	23	55	14
NE	3	11	27	46	13
NC	1	5	20	65	9
ND	4	15	38	37	6
OH	5	10	28	44	13
SD	2	9	27	47	15
TN	2	5	16	52	25
WI	3	12	30	36	19
18 Sts	3	8	25	48	16
Prev Wk	2	7	24	50	17
Prev Yr	8	16	31	36	9

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	3	5	12	44	36
IL	1	3	17	54	25
IN	2	5	15	51	27
IA	2	6	19	52	21
KS	2	6	16	50	26
KY	0	4	13	46	37
MI	6	13	35	37	9
MN	4	12	35	42	7
MO	1	3	15	56	25
NE	2	6	21	45	26
NC	2	4	19	63	12
ND	6	20	33	33	8
OH	4	10	26	44	16
PA	1	2	10	41	46
SD	3	10	27	44	16
TN	1	3	11	52	33
TX	0	2	13	49	36
WI	5	20	23	40	12
18 Sts	2	7	21	49	21
Prev Wk	2	7	20	48	23
Prev Yr	9	16	29	36	10

# Crop Progress and Condition

Week Ending August 29, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

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

NA -Not Available  
 \* Revised

National crop conditions for selected States are weighted based on the year 2003 planted acres.

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	5	12	28	47	8
AZ	0	3	27	41	29
AR	0	5	24	43	28
CA	0	0	0	30	70
GA	3	13	33	39	12
LA	10	15	29	41	5
MS	2	7	23	48	20
MO	0	0	21	67	12
NC	0	4	24	63	9
OK	1	1	41	49	8
SC	0	3	19	71	7
TN	0	1	12	60	27
TX	3	5	18	43	31
VA	0	0	15	30	55
14 Sts	2	6	21	46	25
Prev Wk	2	6	22	47	23
Prev Yr	6	13	29	40	12

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	0	13	71	16
MN	2	4	35	46	13
MT	7	13	29	45	6
ND	2	7	22	47	22
SD	10	5	17	40	28
WA	2	3	29	62	4
6 Sts	4	7	25	47	17
Prev Wk	4	8	24	46	18
Prev Yr	NA	NA	NA	NA	NA

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	2	22	50	26
CA	0	0	45	35	20
LA	0	7	34	48	11
MS	0	1	11	57	31
MO	0	2	9	55	34
TX	0	2	34	54	10
6 Sts	0	2	27	48	23
Prev Wk	0	2	27	49	22
Prev Yr	1	3	26	49	21

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	2	33	54	11
CO	1	16	31	42	10
IL	0	2	13	61	24
KS	2	7	22	53	16
LA	0	6	52	42	0
MO	0	4	22	61	13
NE	2	11	41	39	7
NM	0	2	57	35	6
OK	0	1	12	56	31
SD	8	19	38	31	4
TX	1	7	24	49	19
11 Sts	2	7	26	49	16
Prev Wk	1	6	25	50	18
Prev Yr	16	29	33	19	3

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	7	44	37	10
FL	0	1	20	59	20
GA	2	9	39	45	5
NC	0	1	16	82	1
OK	0	4	18	65	13
TX	2	2	14	41	41
VA	0	0	19	36	45
8 Sts	2	5	30	47	16
Prev Wk	1	5	25	53	16
Prev Yr	0	3	22	55	20

Pasture and Range Crop Condition by Percent											
Week Ending July 11, 2004											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	6	32	47	14	NH	0	1	27	45	27
AZ	27	34	18	18	3	NJ	0	0	25	75	0
AR	2	6	27	54	11	NM	10	22	34	26	8
CA	55	45	0	0	0	NY	0	5	20	59	16
CO	4	24	29	34	9	NC	0	4	25	60	11
CT	0	0	14	86	0	ND	22	18	30	27	3
DE	0	3	19	71	7	OH	1	6	27	56	10
FL	0	5	15	70	10	OK	1	2	17	57	23
GA	2	9	39	45	5	OR	1	18	36	39	6
ID	1	12	40	46	1	PA	4	6	22	55	13
IL	1	5	28	53	13	RI	0	0	8	8	84
IN	1	7	24	53	15	SC	1	7	24	63	5
IA	3	8	24	50	15	SD	14	23	36	22	5
KS	6	16	31	39	8	TN	0	6	17	62	15
KY	1	5	20	55	19	TX	2	9	30	45	14
LA	7	13	38	39	3	UT	9	14	35	40	2
ME	0	0	2	38	60	VT	0	25	37	27	11
MD	2	4	23	43	28	VA	0	3	17	61	19
MA	0	0	17	83	0	WA	3	18	46	33	0
MI	4	16	43	29	8	WV	0	10	28	52	10
MN	2	13	37	42	6	WI	2	9	27	54	8
MS	4	10	19	54	13	WY	40	26	21	9	4
MO	1	4	21	61	13	48 Sts	8	14	27	41	10
MT	20	21	37	19	3						
NE	14	23	39	22	2	Prev	8	14	27	40	11
NV	26	37	30	6	1	Prev	19	23	29	23	6

**Agricultural Weather Data Compiled by USDA's Stoneville Field Office**

**Weather Data for the Week Ending August 28, 2004**

Data provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Extension Commercial Agriculture Program.

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								4-INCH SOIL TEMP. °F		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	TEMP. °F		PRECIP.		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
MISSISSIPPI																				
INDIANOLA 1S	91	72	94	69	82	-	0.30	-	0.28	21.59	-	42.88	-	-	-	5	0	3	0	
INVERNESS 5E	91	71	95	69	81	-	0.63	-	0.63	13.41	-	34.46	-	-	-	4	0	1	1	
LYON	92	72	95	66	82	-	2.67	-	2.43	-	-	-	-	-	-	7	0	5	1	
MACON	-	-	-	-	-	-	-	-	-	12.17	-	33.99	-	-	-	0	0	1	0	
ONWARD	91	72	94	69	81	-	1.13	-	0.90	15.59	-	39.42	-	-	-	6	0	4	1	
PERTHSHIRE	92	72	95	69	82	-	0.32	-	0.16	7.40	-	36.21	-	91	80	6	0	2	0	
SCOTT	91	72	93	69	82	-	0.26	-	0.19	15.56	-	38.68	-	91	80	5	0	2	0	
SIDON	92	72	94	69	82	-	0.39	-	0.29	10.97	-	33.46	-	96	78	7	0	5	0	
STARKVILLE	88	71	91	67	79	1	2.51	1.78	1.07	17.23	150	36.34	94	-	2	0	6	3		
TUNICA 1W	92	71	95	65	81	-	0.99	-	0.80	11.41	-	-	-	90	79	6	0	3	1	
VANCE	91	71	94	68	81	-	1.13	-	0.98	9.31	-	35.48	-	-	-	7	0	4	1	
VERONA	88	71	92	66	79	-	1.48	-	0.54	10.92	-	32.26	-	89	75	2	0	5	1	
STONEVILLE X	91	73	95	70	82	2	1.21	-0.25	0.19	17.48	179	41.98	117	92	79	6	0	2	0	
MISSOURI																				
NW																				
CORNING	85	65	92	59	74	-1	2.47	1.76	1.53	7.94	60	19.91	79	-	-	1	0	3	2	
ALBANY	83	64	91	57	73	-2	4.34	3.52	2.40	15.02	118	29.45	115	78	70	1	0	5	3	
ST. JOSEPH	83	65	91	61	74	-1	4.83	3.73	1.49	17.17	140	32.27	130	-	-	1	0	5	4	
NC																				
LINNEUS	81	64	91	57	72	-3	4.40	3.50	2.03	16.64	135	31.28	123	75	69	1	0	5	2	
BRUNSWICK	84	66	93	60	74	-2	5.20	4.34	2.80	18.21	150	31.16	118	79	72	1	0	5	3	
NE																				
NOVELTY	80	64	90	56	71	-4	4.23	3.59	2.43	14.04	136	25.50	106	75	69	1	0	4	3	
MONROE CITY	80	64	91	58	72	-4	6.75	5.98	3.74	13.32	126	22.60	90	75	68	1	0	5	2	
C																				
AUXVASSE	81	65	92	60	73	-2	3.82	2.81	2.22	12.71	116	27.67	104	75	68	1	0	6	2	
SANBORN FIELD	83	67	93	62	74	-3	2.87	1.65	0.89	12.77	110	30.97	111	78	71	1	0	5	3	
COLUMBIA	84	66	94	61	74	-2	3.13	1.96	0.94	12.38	107	31.78	114	-	-	1	0	5	3	
VERSAILLES	85	67	94	61	75	-1	4.83	3.71	2.92	15.37	131	-	-	78	70	2	0	4	2	
EC																				
COOK STATION	87	66	93	54	75	-2	1.68	0.85	0.67	9.28	83	26.35	91	78	73	2	0	4	2	
SW																				
LAMAR	87	70	93	64	79	1	1.20	0.27	1.01	12.53	94	31.97	102	80	73	2	0	3	1	
SE																				
DELTA	87	67	91	58	75	-3	3.13	2.45	1.75	9.36	95	24.45	82	79	72	3	0	4	2	
CHARLESTON	88	68	91	59	76	-1	1.92	1.41	1.09	5.86	53	19.47	61	83	72	2	0	3	2	
GLENNONVILLE	88	69	92	61	77	-2	1.88	1.48	0.98	9.25	99	23.21	82	83	74	2	0	4	2	
CLARKTON	89	69	92	61	77	-2	1.07	0.64	0.53	8.88	92	24.59	84	86	73	2	0	3	1	
PORTAGEVILLE DC	88	70	91	63	77	-2	1.87	1.33	0.73	12.67	127	34.52	112	90	74	2	0	3	3	
PORTAGEVILLE LF	89	70	92	63	78	-1	3.61	3.07	2.15	13.58	136	34.93	113	90	74	3	0	4	2	
STEELE	91	70	94	64	78	0	0.78	0.28	0.40	9.02	85	31.81	97	88	77	5	0	3	0	
CARDWELL	88	70	92	62	77	-2	1.45	1.20	0.83	11.02	118	32.15	102	87	74	2	0	3	2	

Compiled by USDA/OCE/WAOB's Stoneville Field Office.

X Based on 1971-2000 normals.

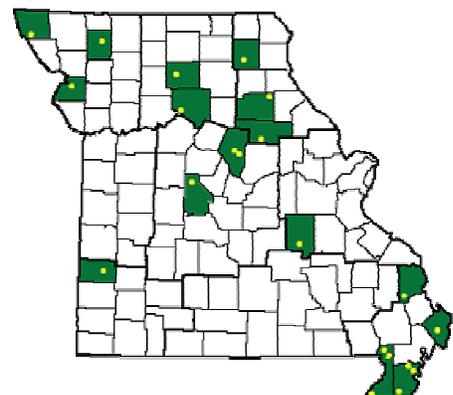
- Sufficient data not available.

NW = Northwest; NC = North Central; NE = Northeast; C = Central; EC = East Central; SW = Southwest; SE = Southeast.

**Weather and Crop Summary for the Mississippi Delta:** Hot weather prevailed across the Delta until the weekend passage of a cold front. Little drop in temperature was noted until the front cleared the region, but showers associated with its passage produced more than 2.5 inches of rain in a few locations. Prior to the rainfall, dry weather provided several suitable days for cotton maturation and fieldwork, including corn, sorghum, rice, and soybean harvesting.

Note: For information on the weather stations in the Missouri Bootheel and recently added stations elsewhere in the State, please visit:

<http://agebb.missouri.edu/weather/stations/index.htm>



## State Agricultural Summaries

*These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.*

**ALABAMA:** Days suitable for fieldwork 5.0. Topsoil 4% very short, 22% short, 59% adequate, 15% surplus. Corn 100% dough, 100% 2003, 98% avg.; 99% dented, 96% 2003, 93% avg.; 77% mature, 73% 2003, 76% avg.; condition 0% very poor, 5% poor, 13% fair, 56% good, 26% excellent. Soybeans 99% blooming, 92% 2003, 92% avg.; 78% setting pods, 71% 2003, 77% avg.; 25% dropping leaves, 1% 2003, 10% avg.; condition 1% very poor, 5% poor, 15% fair, 68% good, 11% excellent. Pasture feed 1% very poor, 6% poor, 32% fair, 47% good, 14% excellent. Livestock condition 0% very poor, 3% poor, 23% fair, 51% good, 23% excellent. Rain was received across much of the state.

**ALASKA:** Days suitable for fieldwork 5.0. Topsoil 75% short, 25% adequate. South central state welcomed two storms that brought some needed rain, however the Tanana Valley saw only scattered showers. Barley crop 20% ripe, 80% harvested. Oat 40% ripe, 60% harvested. Potatoes harvest was less than 5% complete statewide. The second harvest of hay was reported as 20% complete. Regrowth on the second cutting remained slow due to the earlier hot, dry weather. No wind or rain damage to small grains was reported. Activities Include: Irrigation, weed control, equipment repair, preparing for the potato harvest, harvesting vegetables, hay and small grains.

**ARIZONA:** Temperatures for the State were below normal for the fourth week of August. Alfalfa condition remains mostly good. Cotton bolls have opened on sixty percent of the acreage ahead of last year and the 5-year average. Precipitation was reported at 2 of the 17 reporting stations, ranging from 0.01 inches in Flagstaff to 0.20 inches in Gila Bend.

**ARKANSAS:** Days suitable for fieldwork 6.0. Soil 4% very short, 27% short, 65% adequate, 4% surplus. Corn 100% doughed, 100% 2003, 100% 4-yr avg.; 99% dented, 100% 2003, 99% 4-yr avg.; 94% matured, 93% 2003, 89% 4-yr avg.; 44% harvested, 34% 2003, 40% 5-yr avg.; Corn condition: 0% very poor, 2% poor, 25% fair, 54% good, 19% excellent. Soybeans 99% bloomed, 100% 2003, 99% 5-yr avg.; 95% setting pods, 93% 2003, 91% 5-yr avg.; 32% yellowing, 17% 2003, 11% 5-yr avg.; 21% shedding, 9% 2003, 10% 5-yr avg.; 16% matured, 9% harvested, condition 1% very poor, 4% poor, 25% fair, 47% good, 23% excellent. Sorghum 94% colored, 99% 2003, 96% 5-yr avg.; 71% matured, 74% 2003, 68% 5-yr avg.; 31% harvested, 32% 2003, 27% 5-yr avg.; condition: 0% very poor, 2% poor, 33% fair, 54% good, 11% excellent. Cotton 14% open bolls, 19% 2003, 32% 5-yr avg.; condition 0% very poor, 5% poor, 24% fair, 43% good, 28% excellent. Rice 92% headed, 99% 2003, 98% 5-yr avg.; 3% harvested, 5% 2003, 6% 5-yr avg.; condition 0% very poor, 2% poor, 22% fair, 50% good, 26% excellent. Hay-Other condition 2% very poor, 4% poor, 27% fair, 56% good, 11% excellent. Hay-Alfalfa condition 1% very poor, 7% poor, 28% fair, 62% good, 2% excellent. Pasture, Range feed 2% very poor, 6% poor, 27% fair, 54% good, 11% excellent Much needed rainfall was received late in the week. CROPS: Statewide, farmers continued to slowly increase harvest activities, although rains, high humidity prevented a significant increase during the week. Some corn lodging was reported due mainly to stalk rot. Draining of rice fields continue in preparation for upcoming harvest. Rice harvest has begun in several counties. Some areas have reported problems with spidermites, cabbage looper infestations in cotton. Harvesting of peaches, apples continues in Faulkner county. LIVESTOCK: Livestock are in good condition. Forage crops continue to be in excellent condition. Hay harvest is continuing.

**CALIFORNIA:** Warm weather conditions continued to benefit the growth, development of field crops across the State. The cotton crop continued to make steady progress. Open bolls were evident in many areas. Fields were being irrigated, treated for aphids, whiteflies, preparations for defoliation continued. Ground preparation for winter wheat planting took place in some northern counties. Most rice fields were heading out. Rice harvesting was underway in a few areas in the Sacramento Valley. Seed alfalfa harvesting

continued. Cutting, windrowing, baling activity continued in fields of alfalfa hay and Sudan grass. Some alfalfa growers had completed their sixth cutting, were proceeding with the seventh. Corn fields were treated with insecticides. Corn continued to be harvested for seed, feed, human consumption. Silage corn was green chopped, hauled to dairies. Blackeye bean fields exhibited strong growth. Sugar beet harvesting continued, with good yields reported. Safflower harvesting was nearing completion. Potato, sweet potato harvesting continued. Harvesting of raisin grapes gained momentum as vineyards reached maturity. Approximately 20% of the crop was harvested, with the majority drying on trays. Cultivation and terracing continued in many raisin grape vineyards to prepare for harvest. Fruit in dried-on-the-vine vineyards was drying evenly, but no harvesting was reported. Wine grape harvesting continued. Picking, packing of table grapes continued steadily. Thompson Seedless, Flame Seedless were among the varieties harvested. Harvesting of stone fruit continued in most locations. Varieties reported included O'Henry peaches, Autumn Blaze nectarines, Howard Sun plums, Flavor Grenade pluots. Irrigation, cultivation, summer pruning were ongoing in stone fruit orchards. Piled stumps, brush were drying for burning or recycling where orchards, vineyards had been removed. Pomegranates, apples, figs, pears were picked, packed, shipped. Persimmons were gaining size steadily with irrigation underway as needed, but external coloring slowed because of warm temperatures. Shipments of Valencia oranges were sluggish due to poor fruit quality. Puff of large fruit, soft rind, regreening affected packouts. Steady fruit development continued in most citrus orchards thanks to the excellent weather conditions. Citrus groves were irrigated, treated with insecticides, herbicides, fertilizer. Lemon harvesting began in Imperial County. Olive orchards were treated for fruit flies. Almond harvesting continued across the State. Late variety almond orchards were being prepared for harvest. Steady crop maturity continued in pistachio, walnut, pecan orchards. Irrigation was underway in several areas. Walnut orchards were treated for husk fly, codling moth. Summer vegetable fields continued to be cultivated, irrigated, treated to control insect pests as needed. Worm sprays were applied to cucumber seed, melon, tomato fields. Some bean and fresh market tomato fields were sprayed for aphids. Transplanting of broccoli, cauliflower for fall harvesting continued. Spinach was planted in Tulare County. Harvesting of both fresh market, processing tomatoes, cantaloupe, honeydew, watermelon, peppers, squash, sweet corn, snap beans, eggplant continued. Harvesting of onions, garlic in Fresno County continued, but at a slower pace. The following vegetables were also harvested: amaranth, basil, bittermelon, dill seed, gourds, lemon grass, lettuce seed, long bean, moqua, okra, opo, parsley, sinqua, snake gourd, sugar cane, taro leaf, yucca leaf, various herbs. Rangeland grass continued to be depleted with normal grazing. Little forage was available in pastures, rangeland, consistent with midsummer conditions. Fire hazard remained high due to dry conditions. Rangeland cattle were being moved to mountain pastures. Supplemental feed was being supplied where needed. Hot weather affected milk cows as production declines were noted. Bees were working vineyard fields, some melon fields. Some hives were treated to control insect pests.

**COLORADO:** Days suitable for fieldwork 5.8. Top soil 9% very short, 22% short, 67% adequate, 2% surplus. Subsoil 14% very short, 32% short, 52% adequate, 2% surplus. Most areas of the state experienced unseasonably cool temperatures for the third consecutive week. Widespread showers were received throughout the Eastern Plains, which slowed maturity rates slightly. Spring wheat 65% harvested, 77% 2003, 64% avg.; condition 10% poor, 35% fair, 40% good, 15% excellent. Spring barley 72% harvested, 83% 2003, 84% avg.; condition 3% poor, 24% fair, 52% good, 21% excellent. Sunflower condition 2% poor, 20% fair, 52% good 26% excellent. Alfalfa hay 2<sup>nd</sup> cutting 93%, 92% 2003, 94% avg.; 3<sup>rd</sup> cutting 44% , 30% 2003, 44% avg.; condition 3% very poor, 6% poor, 35% fair, 37% good, 19% excellent. Dry beans 98% flowering, 100% 2003, 97% avg.; 4% cut, 9% 2003, 13% avg.; condition 4% very poor, 8% poor, 26% fair, 36% good, 26% excellent. Dry onions 46% harvested, 35% 2003, 37% avg.; condition 4% very poor, 10% poor, 32% fair, 43% good, 11% excellent. Summer potatoes 37% harvested, 41% 2003, 41% avg.; condition 5% poor,

37% fair, 52% good, 6% excellent. Fall potatoes condition 10% poor, 30% fair, 40% good, 20% excellent. Sugar beets condition 1% poor, 34% fair, 49% good, 16% excellent.

**DELAWARE:** Days suitable for fieldwork 6.70. Topsoil 2% very short, 19% short, 71% adequate, 8% surplus. Subsoil 8% very short, 11% short, 73% adequate, 8% surplus. Field corn condition 11% very poor, 12% poor, 25% fair, 34% good, 18% excellent; 98% corn dough, 84% 2003, 88% avg.; 82% dent, 22% 2003, 56% avg.; 35% mature, 3% 2003, 21% avg. Soybean condition 3% poor, 8% fair, 71% good, 18% excellent; 100% blooming, 79% 2003, 88% avg.; 84% setting pods, 54% 2003, 62% avg. Sorghum condition 24% fair, 66% good, 10% excellent; 97% headed, 76% 2003, 86% avg.; 17% coloring, 4% 2003, 24% avg. Pasture feed 3% poor, 19% fair, 71% good, 7% excellent. Other hay 3rd cutting 59%, 49% 2003, 72% avg.; 4th cutting 0%, 3% 2003, 18% avg. Alfalfa hay 3rd cutting 87%, 67% 2003, 85% avg.; 4th cutting 10%, 11% 2003, 27% avg. Apple condition 2% poor, 14% fair, 56% good, 28% excellent; 20% harvested, 16% 2003, 31% avg. Peaches 93% harvested, 87% 2003, 86% avg. Watermelons 81% harvested, 68% 2003, and 79% avg. Cucumbers 74% harvested, 69% 2003, 75% avg. Lima Beans 56% for processing harvested, 15% 2003, 23% avg. Snap beans 95% harvested, 84% 2003, 84% avg. Sweet corn 77% harvested, 73% 2003, 78% avg. Potatoes 67% harvested, 64% 2003, 71% avg. Tomatoes 66% harvested, 48% 2003, 64% avg. Cantaloups 78% harvested, 77% 2003, 83% avg. Corn silage 18% harvested, 7% 2003, 38% avg. Hay supplies 16% short, 67% adequate, 17% surplus. Topsoil moisture surplus decreased 21% last week, subsoil decreased 15% from last week. Corn for silage harvest increased to 18% compared to 9% last week. Dry weather allowed other hay, alfalfa to be cut, baled. Vegetable harvest progressed well. Downey mildew affected cucumbers, melons. Soybeans are in good to excellent condition, a few fields are beginning to turn color. A few farmers are starting to harvest corn for grain.

**FLORIDA:** Topsoil 1% very short, 9% short, 40% adequate, 50% surplus. Subsoil 1% very short, 9% short, 50% adequate, 40% surplus. Temperature average: normal, major cities; Orlando, West Palm Beach 1<sup>o</sup>, below normal. Highs: 80s, 90s. Lows: 60s, 70s. Rainfall: around a 0.10 in. or less Marianna, Avalon, Live Oak and Oklawaha, to nearly 4.00 in. Homestead, Lake Alfred. Peanut condition 1% poor, 20% fair, 59% good, 20% excellent. Dryland peanuts need rain to mature, eastern Panhandle, some northern Peninsula localities. Digging gaining momentum, southern peanut production areas. Tomato spotted wilt virus lowering yield on most early planted peanut acreage. Worm infestations affecting some Panhandle, northern Peninsula cotton. Washington County: cotton looks good; most plants gaining abundant growth from earlier rains; plants now in late bloom stage; some plants setting bolls, squaring; picking expected to begin in about sixty days. Jackson County: cotton leaves wilting; lower bolls on early planted acreage starting to open; plants starting to bloom at top; defoliation to start soon. Walton County: cotton bolls starting to open. Soybean harvest to start in about one month, Jackson County; a lot of acreage doubled cropped after small grains. Corn for grain yield at high levels, some Panhandle, northern Peninsula areas. Scattered rains kept most soil moisture at adequate to surplus levels; drier weather over eastern Panhandle, parts of northern Peninsula dried out some soils; very short supplies reported for some localities, Jackson, Broward counties. Okra harvesting continues, Miami-Dade County. Field preparation for fall crop vegetable planting active, southern Peninsula. Tomatoes, Quincy area, in good condition. Rainfall heavy, some citrus areas, return of hot temps. Growers in path of Hurricane Charley assessing damage; some fruit still falling. Trees, new crop fruit in good condition, other areas. Summer cultural practices continue. Pasture feed 5% poor, 15% fair, 70% good, 10% excellent. Cattle condition 5% fair, 85% good, 10% excellent. Panhandle: pasture feed fair to good; short soil moisture hurting grass growth. North: most pasture, fair to good condition. Central: condition of most pasture good due to heavy rains; cattle condition mostly good. Southwest: range condition very poor to excellent; some pasture flooded from recent rain, Hurricane Charley; some fences destroyed by Hurricane. Statewide, most cattle in good condition. Hurricane impact on cattle feed, milk production, loss of livestock still being assessed.

**GEORGIA:** Days suitable for field work 6.1. Soil 6% very short, 30% short, 62% adequate, 2% surplus. Corn 49% harvested for grain, 47% 2003, 56% avg. Hay 2% very poor, 10% poor, 34% fair, 48% good, 6% excellent. Peanuts 2% dug, 1% 2003, 2% avg. Sorghum 1% very poor, 18% poor, 40% fair, 38% good, 3% excellent; 19% harvested for grain, 21% 2003, 15%

avg. Tobacco 91% harvested, 87% 2003, 87% avg. Apples 11% poor, 15% fair, 68% good, 6% excellent; 20% harvested, 20% 2003, 18% avg. Pecans 11% very poor, 23% poor, 36% fair, 28% good, 2% excellent. Another round of widely scattered showers, thunderstorms passed through parts of the State late last week. Some areas of the State have received significant portions of rain while other areas remained dry. Farmers continued to irrigate where needed. Crops continue in mostly good to fair condition. Growers actively harvested corn, cutting silage. In the northern part of the State, producers were harvesting white grape varieties. There were reports of TSWV in peanut fields. Cotton growers were busy spraying fields for insects. Army worms continued to plague hayfields. Activities Included: Cutting, baling hay, preparing to harvest peanuts, routine care of livestock and poultry.

**HAWAII:** Trade wind weather continued throughout of the State during the past week. Showers were light, confined to windward, mountain areas. Banana, papaya orchards were in mostly fair-to-good condition with steady harvests. Regular spraying was necessary for disease, insect control. Vegetable crops made generally good progress with fair-to-good yields.

**IDAHO:** Days suitable for fieldwork 4.5. Topsoil 15% very short, 34% short, 49% adequate, 2% surplus. Mostly below normal temperatures were accompanied by rain for most of the state during this past week. Excessive rainfall in the northern part of the state has the remaining wheat crop suffering from sprout damage. Fruit harvest throughout the state is progressing normally, with the peach, plum, prune harvest halfway over, the apple harvest just beginning. Winter wheat 92% harvested, 98% 2003, 92% avg. Field corn 0% harvested for silage, 2% 2003, 3% avg. Oats 58% harvested for grain, 60% 2003, 53% avg. Potato condition 5% fair, 81% good, 14% excellent. Potatoes: Vines Dying/Killed 42%, 43% 2003, 28% avg.; 4% harvested, 2% 2003, 4% avg. Dry beans 10% harvested, 20% 2003, 14% avg. Dry peas 89% harvested, 84% 2003, 79% avg. Lentils 90% harvested, 89% 2003, 76% avg. Mint harvested—1st cutting 96%, 99% 2003, 90% avg. Alfalfa hay 2<sup>nd</sup> cutting harvested 93%, 95% 2003, 96% avg.; 3<sup>rd</sup> cutting harvested 58%, 52% 2003, 52% avg.; 4<sup>th</sup> cutting harvested 6%, 7% 2003, 3% avg. Irrigation water supply 9% very poor, 31% poor, 39% fair, 21% good. Activities Included: Feeding, caring for livestock, spraying fungicides, cutting alfalfa hay, harvesting small grains, peas, lentils, potatoes, and fruit

**ILLINOIS:** Days suitable for fieldwork 2.7. Topsoil 4% short, 70% adequate, 26% surplus. Soybeans 25% turning yellow, 10% 2003, 13% avg. Alfalfa 3rd cut 77%, 85% 2003, 80% avg. Slightly below normal temperatures, above average precipitation was observed in the state last week. Rain showers were heavy across the majority of the state with some areas reporting flooding from nearly six inches of rainfall for the week. The corn crop development still remains ahead of previous years. Between rain showers last week, farmers were busy with many different projects: Preparing machinery, grain handling equipment for harvest, shelling early corn, mowing waterways, ditches, baling hay, harvesting fruit, and chopping silage.

**INDIANA:** Days suitable for fieldwork 3.6. Topsoil 5% short, 75% adequate, 20% surplus. Subsoil 1% very short, 10% short, 78% adequate, 11% surplus. Rain slowed field activities during much of the week. Heavy rain in some isolated areas caused ponding in low lying areas. The precipitation will help pod fill in soybean fields. A few fields of corn were being harvested in the southwestern area. Early planted corn, soybean fields are rapidly advancing toward maturity. SDS is evident in some soybean fields. Temperatures warmed up again last week. Blue mold evident in some tobacco fields. Harvesting of corn for silage, seed corn continued. Cutting, baling of hay slowed by wet conditions. Cleaning out grain bins, repairing equipment for fall harvest were major activities. Temperatures averaged 2<sup>o</sup> to 6<sup>o</sup> above normal for the week. Precipitation averaged 0.52 to 5.21 inches. Many soybean fields are turning color. Alfalfa hay 3rd cutting 78% complete, 66% 2003, 81% avg. Tobacco harvest 19% complete, 21% 2003, 30% avg. Pastures 1% very poor, 7% poor, 24% fair, 53% good, 15% excellent. Livestock are in mostly good condition. Activities: Harvesting mint, tomatoes, potatoes, hauling grain to market, scouting fields, taking vacations, attending FSA offices, mowing pastures, roadsides, hauling manure and taking care of livestock.

**IOWA:** Days suitable for fieldwork 4.4. Topsoil 4% very short, 15% short, 67% adequate, 14% surplus. Subsoil 4% very short, 16% short, 71% adequate, 9% surplus. Producers across the state would like warmer temperatures to get their crops to maturity. Some corn, beans show signs of stress. While the top third of the state needs rain, severe storms in the lower two-thirds of the state resulted in corn being blown down, buildings destroyed or damaged. White mold is becoming more of a widespread problem, there were reports of fields sprayed for aphids.

Field Crops Report: Corn 81% acreage in or past dough stage, 2003 82%, 87% 5-yr avg dough stage, 39% acreage in or past dent stage, 2003 51%, 59% 5-yr avg dent, 2% mature, condition 2% very poor, 6% poor, 19% fair, 52% good, 21% excellent. Soybean 99% acreage setting pods, 10% acreage with leaves turning color, 12% 2003 5-yr avg for both, 1% acreage dropping leaves, condition 2% very poor, 7% poor, 23% fair, 50% good, 18% excellent. Alfalfa hay 3rd cutting complete 72%, slightly behind 2003 75% 5-yr avg 67% complete. Hay condition 1% very poor, 3% poor, 24% fair, 54% good, 18% excellent. Livestock, Pasture, Range Report: Livestock conditions were generally good especially where temperatures remained cool. Pasture, range feed 3% very poor, 8% poor, 24% fair, 50% good, 15% excellent.

**KANSAS:** Days suitable for fieldwork 5.6. Topsoil 3% very short, 29% short, 64% adequate, 4% surplus. Subsoil 11% very short, 27% short, 61% adequate, 1% surplus. Cooler than normal temperatures are slowing crop progress in much of the State. Sunflowers 84% blooming, 95% 2003, 97% avg. Alfalfa 4th cutting 46%, 25% 2003, 44% avg. Range, pasture feeds 6% very poor, 16% poor, 31% fair, 39% good, 8% excellent. Feed grain supplies 3% very short, 11% short, 81% adequate, 5% surplus. Hay and forage supplies 2% very short, 9% short, 76% adequate, 13% surplus. Stock water supplies 2% very short, 12% short, 85% adequate, 1% surplus.

**KENTUCKY:** Days suitable fieldwork 4.6. Topsoil 1% very short, 14% short, 73% adequate, 12% surplus. Subsoil 1% very short, 15% short, 75% adequate, 9% surplus. Above average temperatures, precipitation was the story for most of the State. Harvesting corn, tobacco continued between showers. Yields look good. Pastures, double-crop soybeans continue to make good growth due to showers. Burley cut 54%, 32% 2003, 46% avg. Dark tobacco cut 47%. Cut tobacco quality good, but weighed a little light. Condition of tobacco in field 2% very poor, 8% poor, 21% fair, 49% good, 20% excellent. Hay condition 1% very poor, 4% poor, 20% fair, 52% good, 23% excellent. Pasture feed 1% very poor, 5% poor, 20% fair, 55% good, 19% excellent

**LOUISIANA:** Days suitable for fieldwork 5.4. Soil 19% very short, 34% short, 41% adequate, 6% surplus. High temperatures continued to deplete soil moisture. Scattered showers were received across the state but did not improve crop conditions. Corn 80% harvested, 69% last week, 60% 2003, 79% avg. Hay 2nd cutting 90%, 83% last week, 94% 2003, 84% avg. Rice 92% ripe, 84% last week, 92% 2003, 92% avg. Sorghum 69% harvested, 59% last week, 54% 2003, 60% avg. Soybeans 54% turning color, 47% last week, 42% 2003, 48% avg.; 23% harvested, 12% last week, 6% 2003, 5% avg. Sugarcane 7% poor, 32% fair, 42% good, 19% excellent; 60% planted, 32% last week, 50% 2003, 53% avg. Sweet potatoes 3% harvested, 1% last week, 13% 2003, 13% avg. Livestock 5% poor, 29% fair, 56% good, 10% excellent. Vegetable 12% very poor, 20% poor, 42% fair, 22% good, 4% excellent.

**MARYLAND:** Days suitable for fieldwork 6.80. Topsoil 2% very short, 14% short, 79% adequate, 5% surplus. Subsoil 2% very short, 5% short, 88% adequate, 5% surplus. Field corn condition 2% very poor, 3% poor, 16% fair, 35% good, 44% excellent; 93% dough, 66% 2003, 78% avg.; 71% dent, 32% 2003, 49% avg.; 23% mature, 3% 2003, 23% avg. Soybean condition 5% poor, 18% fair, 47% good, 30% excellent; 95% blooming, 70% 2003, 88% avg.; 86% setting pods, 45% 2003, 72% avg. Sorghum condition 70% good, 30% excellent; 98% headed, 75% 2003, 90% avg.; 20% coloring, 0% 2003, 15% avg. Pasture feed 2% very poor, 4% poor, 23% fair, 43% good, 28% excellent. Tobacco condition 15% fair, 50% good, 35% excellent; 95% topped, 58% 2003, 84% avg.; 45% harvested, 12% 2003, 40% avg. Other hay 3rd cutting 64%, 33% 2003, 53% avg.; 4th cutting 8%, 2% 2003, 9% avg. Alfalfa hay 3rd cutting 86%, 71% 2003, 81% avg.; 4th cutting 24%, 5% 2003, 29% avg. Apple condition 5% poor, 23% fair, 60% good, 12% excellent; 29% harvested, 11% 2003, 20% avg. Peaches 82% harvested, 80% 2003, 87% avg. Watermelons 80% harvested, 73%

2003, 75% avg. Cucumbers 73% harvested, 61% 2003, 76% avg. Lima beans 63% for processing harvested, 23% 2003, 39% avg. Snap beans 92% harvested, 76% 2003, 78% avg. Sweet corn 98% harvested, 84% 2003, 84% avg. Potatoes 83% harvested, 74% 2003, 93% avg. Tomatoes 75% harvested, 67% 2003, 75% avg. Cantaloups 81% harvested, 73% 2003, 82% avg. Corn silage 37% harvested, 8% 2003, 24% avg. Hay supplies 6% very short, 15% short, 76% adequate, 3% surplus. State farmers received lots of sunshine, little precipitation last week advancing corn for silage harvest from 21% to 37% complete. A few farmers started to harvest early-season corn for grain. Soybeans are progressing well with a few fields beginning to turn color. Last week was a great week to cut, bale hay. Third cutting alfalfa hay is almost complete. Tobacco harvest is running above normal with 45% complete, 12% above last year. Vegetable harvest is progress well. Downy mildew has affected cucumbers and melons.

**MICHIGAN:** Days suitable for fieldwork 5. Subsoil 5% very short, 35% short, 58% adequate, 2% surplus. Corn 93% silked, 100% 2003, 100% avg. Soybeans 95% blooming, 100% 2003, 99% avg.; 3% turning, 4% 2003, 11% avg. Potatoes 13% harvested. All hay 3% very poor, 14% poor, 32% fair, 40% good, 11% excellent. 2nd cutting hay 85%, 95% 2003, 93% avg.; 3rd cutting hay 35%, 39% 2003, 39% avg. Dry beans 4% very poor, 22% poor, 34% fair, 34% good, 6% excellent; 99% setting pods, 99% 2003, 97% avg.; 32% turning, 45% 2003, 42% avg. Blueberries 92% harvested, 91% 2003. Rain, along with warmer temperatures across most of State, helped crop progress is most areas. Average temperatures for week ranged from 2<sup>o</sup> above normal southeast Lower Peninsula to 2<sup>o</sup> below normal Upper Peninsula. Precipitation amounts ranged from 0.93 inches northeast Lower Peninsula to 2.35 inches southwest Lower Peninsula. Temperatures averaged above normal across State with rainfall most areas. Soil moisture levels increased due to rainfall, which kept some field crops from being stressed from lack of moisture. Rainfall some areas delayed hay harvest. Second cutting wrapping up some areas. Third cutting harvest progressed nicely. Corn showed some damage from earlier frost northern state. Warm days needed for progression of crop. Corn fields continued to be variable. The soybean crop continued to advance slowly with good color, but soybean plants reported to be short some areas. Dry beans looked good but behind schedule. Oat harvest continued. Barley harvest underway. Southwest apple growers finished harvesting Paula Red, Ginger Gold. Growers continued color picking Gala, Macintosh, harvesting Honey Crisp. In southeast, apples sized very well. Growers picking Gingergold, Mollies Delicious. Color exceptional all apple varieties, size continued to look very good. In northwest, second generation codling moth emergence continued. Blueberry growers continued to pick Elliots away from Lake Michigan. Growers close to Lake picked earlier varieties. Many growers had finished for season. In southeast, harvest completed, with excellent crop this year. In southwest, peach harvest neared completion. Size excellent. Peach harvest slowed southeast. In northwest, peach harvest continued. Harvest of fresh market peaches continued west central. The crop looked good. In Grapes, veraison ended southwest. Color well developed most vineyards. In southeast, grapes continued to color nicely. Japanese beetle remained a major pest. In northwest, relatively cool weather kept fruit development well behind normal. Powdery mildew increased severity and became a significant problem many vineyards. Pear and plum harvest continued southwest. In southeast, harvest of pears and plums began. Growers continued to harvest a wide variety of crops across State. Finally, above normal temperatures recorded to help advance maturity of vegetables. Potato digging continued several districts. Harvest volume picking up. Sweet corn harvest continued statewide. Processing tomato harvest going strong southeast. Fresh market picking continued. Snap bean harvest continued west central. Carrot harvest full swing west central and progressed southeast. Celery harvest moved along on schedule near midpoint of harvest. Pepper harvest continued west central and southern districts. Cucumber and zucchini harvest moved along. Growers continued to report pollination problems vine crops. Watermelon harvest volume picked up southwest.

**MINNESOTA:** Days suitable for fieldwork 4.8. Topsoil 3% very short, 16% short, 75% adequate, 6% surplus. Corn 90% milk, 98% 2003, 98% avg.; 3% silage cut, 15% 2003, 7% avg. Soybeans 10% turning yellow, 28% 2003, 22% avg. Canola 20% harvested, 64% 2003, 40% avg. Potatoes 31% harvested, 31% 2003, 15% avg. Sweet corn 45% harvested, 58% 2003, 62% avg. Pasture feed 2% very poor, 13% poor, 37% fair, 42% good, 6% excellent. Sugarbeets 1% very poor, 3% poor, 23% fair, 59% good, 14% excellent. Barley 2% very poor, 20% poor, 32% fair, 35% good, 11% excellent. Dry Beans 20% very poor, 25% poor, 33% fair, 20% good, 2%

excellent. Canola 5% very poor, 28% poor, 45% fair, 18% good, 4% excellent. Potatoes 0% very poor, 2% poor, 29% fair, 61% good, 8% excellent. Sunflowers 10% very poor, 25% poor, 42% fair, 21% good, 2% excellent. Cool temperatures were recorded across the state this past week as farmers are assessing the impact to crops due to last weeks frost. Producers are reporting that warm, dry temperatures are needed throughout the month of September to push crops to maturity.

**MISSISSIPPI:** Days suitable for fieldwork 4.1. Soil 1% very short, 14% short, 75% adequate, 10% surplus. Corn 99% dent, 99% 2003, 99% avg.; 97% mature, 84% 2003, 90% avg.; 56% harvested, 35% 2003, 50% avg.; 98% silage harvested, 99% 2003, 94% avg.; 1% very poor, 3% poor, 16% fair, 47% good, 33% excellent. Cotton 100% setting bolls, 99% 2003, 100% avg.; 39% open bolls, 38% 2003, 59% avg.; 2% very poor, 7% poor, 23% fair, 48% good, 20% excellent. Rice 100% heading, 99% 2003, 97% avg.; 60% mature, 44% 2003, 48% avg.; 11% harvested, 12% 2003, 9% avg.; 1% poor, 11% fair, 57% good, 31% excellent. Sorghum 100% turning color, 99% 2003, 99% avg.; 90% mature, 82% 2003, 85% avg.; 45% harvested, 29% 2003, 40% avg.; 1% poor, 17% fair, 68% good, 14% excellent. Soybeans 100% setting pods, 100% 2003, 100% avg.; 78% turning color, 58% 2003, 58% avg.; 62% shedding leaves, 41% 2003, 41% avg.; 38% harvested, 22% 2003, 14% avg.; 1% very poor, 4% poor, 13% fair, 47% good, 35% excellent. Hay 76% harvested (Warm Season), 86% 2003, 83% avg.; 5% very poor, 18% poor, 25% fair, 40% good, 12% excellent. Sweetpotatoes 1% very poor, 8% poor, 37% fair, 44% good, 10% excellent. Cattle 3% very poor, 7% poor, 16% fair, 57% good, 17% excellent. Pasture 4% very poor, 10% poor, 19% fair, 54% good, 13% excellent. Harvesting activities were hampered by the precipitation that arrived in the state over the weekend. Warmer temperatures have helped cotton growth, farmers are hoping for decent returns once harvesting begins in a few weeks. Warm season forages continue to be harvested with seed bed preparation for winter forages already taking place.

**MISSOURI:** Days suitable for fieldwork 2.3. Topsoil 1% very short, 7% short, 67% adequate, 25% surplus. Subsoil 1% very short, 12% short, 79% adequate, 8% surplus. Heavy rains of the past week caused some flooding in low-lying fields of north-central, northeastern counties but condition of crops is showing little change on a Statewide basis, with the benefits of additional moisture for late crops approximately compensating for flood damage. Corn development ranges from 69% dented, 17% mature in the northeast district to 100% dented, 91% mature in the southeast. Corn harvesting is still mostly limited to the southeast district where 19% is out of the field. Soybean podding varies from 84% in the southwest district to 89% or more in all other districts. Although podding is 4 days ahead of normal, the process of coloring, dropping leaves is held to a normal pace by the cool, wet weather. Sorghum turning color varies from about 45% in central, south-central districts to 77% or more in the northwest, southeast districts. Alfalfa hay 3rd cutting 84%, 82% 2003, 83% avg. Pastures 1% very poor, 4% poor, 21% fair, 61% good, 13% excellent, reflecting the result of the plentiful moisture supply. Rainfall averaged 3.40 inch, ranging from 0.62 inch in the southwest district to 5.79 inches in the north-central district, 6.24 inches in the southeast. Many northern counties received over 5 inches and Sullivan, Marion and Ralls received over 8 inches.

**MONTANA:** Days suitable for fieldwork 4.0. Topsoil condition 21% very short, 32% short, 41% adequate, 6% surplus 2003 78% very short, 20% short, 2% adequate, no surplus. Subsoil 35% very short, 39% short, 25% adequate, 1% surplus, 2003 70% very short, 25% short, 5% adequate, no surplus. The state experienced cooler temperatures, above normal precipitation throughout the State for the week ending August 29<sup>th</sup>, 2004. Winter wheat progress 95% harvested, 2003. Spring wheat 83% ripe, 49% harvested, 2003 98%, and 88%, condition 7% very poor, 13% poor, 29% fair, 45% good, 6% excellent. Durum wheat 71% turning color, 36% ripe, 13% harvested, 2003 93%, 83%, and 73%, respectively, condition 7% very poor, 17% poor, 20% fair, 43% good, 13% excellent. Barley 91% ripe, 61% harvested, 2003 97% and 88%, respectively. Oats 85% ripe, 47% harvested, 2003 96%, and 84%, respectively, condition 8% very poor, 13% poor, 36% fair, 34% good, 9% excellent. Sugar beets condition 13% very poor, 15% poor, 32% fair, 35% good, 5% excellent. Corn harvested for silage is underway and is 9% complete. Corn condition 7% very poor, 18% poor, 36% fair, 34% good, 5% excellent, which is behind the five-year average of 1% very poor, 5% poor, 25% fair, 52% good, and 17% excellent. Dry bean condition 0% very poor, 10% poor, 33% fair, 54% good, 3% excellent, compared to the five-year average at 2% very poor, 8% poor, 42% fair, 41%

good and 7% excellent. Potatoes condition is 0% very poor, 0% poor, 6% fair, 42% good, and 52% excellent. Alfalfa and other hay second cuttings are 73% and 52% complete, respectively. Range and pasture feed condition is rated 20% very poor, 21% poor, 37% fair, 19% good, and 3% excellent, compared to the five-year average at 28% very poor, 29% poor, 28% fair, 13% good, and 2% excellent. Movement of cattle & calves from summer ranges is currently 2% compared to last year at 5%. Movement of sheep & lambs from summer ranges is currently 2% compared to last year at 7%.

**NEBRASKA:** Days suitable for fieldwork 6.1. Topsoil 29% very short, 43% short, 28% adequate, 0% surplus. Subsoil 41% very short, 39% short, 20% adequate, 0% surplus. Temperatures for the week averaged from 5 degrees below normals to 3<sup>o</sup> above normals. Precipitation was statewide with many reporting stations in the southeast, mid section of the state reporting amounts near or above one inch. Dryland conditions of corn, soybeans, sorghum moved lower, but continue above last year, average. Alfalfa condition 10% very poor, 18% poor, 29% fair, 33% good and 10% excellent; 3rd cutting 82%, 83% 2003, 84% avg.; 4th cutting 2%, 4% 2003, 5% avg. The first fields of dry beans, proso millet were being harvested and fall wheat seeding was just getting underway.

**NEVADA:** Much colder weather prevailed during the week with average temperatures 10 or more degrees below normal midweek. Night time temperatures dropped to freezing in some higher eastern state higher elevations. A few mild thunderstorms passed through the North, but precipitation was minimal. Third cutting of alfalfa hay resumed in northern valleys. Spotty rains fell on a few cut fields. Timothy hay harvest was underway in Diamond Valley. Alfalfa seed harvest was well along in Lovelock. Mint distillation was underway in Orovada. Corn silage cutting began. Potato, onion fields were in good to excellent condition. Weed, insect control was active, field preparation for Fall seeding continued. Rains the previous week helped range conditions East but central ranges were showing seasonal decline. Some cattle were moved off Summer range, some yearlings were marketed. Activities: Haying, alfalfa seed harvest, corn silage cutting, cultivating, field spraying, irrigating, moving livestock.

**NEW ENGLAND:** Days suitable for field work 6.1. Topsoil 9% short, 71% adequate, 20% surplus. Subsoil 8% short, 77% adequate, 15% surplus. Pasture feed 11% poor, 23% fair, 45% good, 21% excellent. Maine Potatoes 5% harvested, 5% 2003, 5% avg.; condition fair/good. Rhode Island Potatoes 45% harvested, 50% 2003, 45% avg.; condition good/excellent. Massachusetts Potatoes 30% harvested, 25% 2003, 30% avg.; condition good. Maine Oats 20% harvested, 30% 2003, 30% avg.; condition good/excellent. Maine Barley 40% harvested, 60% 2003, 45% avg.; condition fair/good. Field Corn condition good/fair. Sweet Corn 65% harvested, 70% 2003, 65% avg.; condition good/excellent. Shade tobacco 80% harvested, 85% 2003, 90% avg.; condition good. Broadleaf tobacco 70% harvested, 85% 2003, 90% avg.; condition good. Hay 1st crop harvested 95%, 99% 2003, 100% avg.; 2nd harvested 80%, 85% 2003, 80% avg.; condition good/fair; 3rd harvested 20%, 35% 2003, 40% avg.; condition good/excellent. Apples 10% harvested, 15% 2003, 10% avg.; condition good/fair. Peaches 75% harvested, 65% 2003, 65% avg.; condition good/fair. Pears 5% harvested, 10% 2003, 15% avg.; condition poor/good. Massachusetts Cranberries set avg./above avg.; condition good/fair. Highbush Blueberries 90% harvested, 90% 2003, 90% avg. Maine Wild Blueberries 90% harvested, 95% 2003, 90% avg.; condition good. A week of warm temperatures with plenty of sunshine finally arrived for farmers to work the fields. Activities Included: Mowing orchards; pruning trees; spreading manure; monitoring fields; applying pesticides; cutting, baling hay; cultivating, weeding renovated strawberry beds; harvesting apples, peaches, pears, highbush, wild blueberries, potatoes, sweet corn, other vegetables, barley, oats, broadleaf and shade tobacco.

**NEW JERSEY:** Days suitable for field work 6.6. Soil 25% short, 75% adequate. Temperatures across most of the state were below normal the beginning of the week, rising to above normal by the end of the week. Fieldwork included baling hay, harvesting corn silage, vegetable harvesting, picking fruit, planting vegetables for fall harvest, and pruning. There was a report in the central district that soybean pods seemed slow to fill, the plants were lodging because of height. It was also reported there were soybean aphids detected in some fields, along with grasshopper activity. Disease problems were reported, including downy mildew, in pumpkin fields. In some tomato fields in the northern, central districts, fruit displayed cracking due to

weather conditions. The fall cucumber crop was ready for harvest in the southern district. Potato harvest continued across the state. Peach harvest continued. Weather conditions were favorable for milk production. Pasture feeds were rated fair to good across the state

**NEW MEXICO:** Days suitable for fieldwork 7. Topsoil 10% very short, 35% short, 47% adequate, 8% surplus. Most of the state experienced a dry week with temperatures normal to a few degrees below normal. About half the reporting stations measured some precipitation from hit, miss showers and thunderstorms, but all amounts were less than half an inch. Greatest totals included .35 inches at Raton, .26" at Carlsbad and .22" at River. Farmers were busy with harvest preparations, irrigating, cutting hay, and harvesting chile and potatoes. General crop conditions had little affect by wind with 13% light, 5% moderate damage reported. Some hail damage occurred with 1% light, 6% moderate reported. Alfalfa was mostly fair to excellent with 89% of the 4<sup>th</sup> cutting complete, 37% of the 5<sup>th</sup> complete. Cotton conditions improved from moisture received earlier in the month, conditions 29% fair, 45% good, 26% excellent. Bolls opening 10% as bolls setting neared completion. Corn conditions were stable with 60% of the crop denting, 17% of the crop matured. Corn silage harvest was well underway with 29% of the crop harvested, above average yields being reported. Sorghum conditions were mostly fair to good with reports indicating 65% of the crop headed, 11% coloring, 2% matured. Peanuts 38% fair, 48% good, 14% excellent. Overall the chile crop has responded well to previous moisture, very good crops were expected with 64% of green chile harvested. Fall lettuce planting progress was at 90% complete. Ranchers spent the week upgrading pipelines, drinkers, and maintaining herds. Cattle conditions remained steady with reports showing 1% very poor, 12% poor, 28% fair, 44% good, 15% excellent. Sheep conditions improved slightly with 4% very poor, 13% poor, 46% fair, 33% good, 4% excellent. Reports indicated a slight decline in range and pasture feeds with 10% very poor, 22% poor, 34% fair, 26% good, and 8% excellent.

**NEW YORK:** Days suitable for fieldwork 4.8. Soil 56% adequate, 41% surplus. Pasture feeds 5% poor, 20% fair, 59% good, 16% excellent. Drier weather allowed fieldwork to resume. Alfalfa 2nd cutting complete 80%. Corn condition 9% poor, 20% fair, 41% good, 30% excellent. Oats for grain 75% harvested. Potatoes 53% dug. Wheat is nearly 100% harvested. Soybean condition 6% poor, 17% fair, 63% good, 14% excellent. Apples 3% poor, 10% fair, 62% good, 25% excellent. Early apple varieties were being harvested. Grapes 45% poor, 45% fair, 10% good. Pears 3% poor, 20% fair, 57% good, 20% excellent; 62% harvested. Peaches 37% poor, 58% fair, 5% good; 70% harvested. Sweet cherry, tart cherry harvest were near completion. Vegetable crops continue to be adversely affected by excessive moisture. Wetness continued to hinder harvest activities. Higher temperatures, humidity across much of the state have added some stress to livestock.

**NORTH CAROLINA:** Days suitable for field work 5.9. Soil 0% very short, 6% short, 72% adequate, 22% surplus. Activities Included: Harvesting flue-cured, burley tobacco, corn for grain, silage, peaches, apples, spraying for disease, pest control. A dry, warm week prevailed for state farmers. There were small amounts of precipitation with temperatures close to normal as higher temperatures, humid conditions dominated the latter part of the week. Eastern counties reported corn blown over, tobacco leaf damage, soybean deterioration from Hurricane Charley the previous week. Corn is harvestable where damaged, but progress is slow.

**NORTH DAKOTA:** Days suitable for fieldwork 4.1. Topsoil 15% very short, 24% short, 57% adequate, 4% surplus. Subsoil 19% very short, 23% short, 54% adequate, 4% surplus. Combines stood at the ready as cool, damp weather continued to restrain wheat harvest, late season crop development. Wheat harvest, late development stages for corn, soybeans, sunflowers were one, one half to two weeks behind the average (1999-2003).

Durum wheat 67% turning or beyond, 99% 2003, 95% average; 20% combined, 72% 2003, 41% average. Canola 91% turning or beyond, 100% 2003, 99% avg.; 72% swathed or beyond, 97% 2003, 91% avg.; 16% combined, 69% 2003, 49% avg. Corn for Silage 5% chopped, 21% 2003, 7% average. Dry Edible Beans 56% fully podded or beyond, 88% 2003, 88% avg.; 8% lower leaves yellowing or beyond, 66% 2003, 62% average. Flaxseed 82% turning or beyond, 98% 2003, 92% average; 8% combined, 43% 2003, 29% average. Potatoes 24% had vines killed or beyond, 44% 2003, 38% avg.; Soybeans 9% lower leaves yellowing or beyond, 29% 2003,

29% avg. Sunflower 92% blooming or beyond, 100% 2003, 99% avg.; 18% ray flowers dried/dropped or beyond, 69% 2003, 55% avg.; 2% bracts turned yellow or beyond, 25% 2003, 18% average. Emerged crop conditions ratings: Canola 3% very poor, 8% poor, 28% fair, 47% good, 14% excellent; Durum wheat 2% very poor, 6% poor, 29% fair, 48% good, 15% excellent. Dry edible beans 17% very poor, 20% poor, 37% fair, 24% good, 2% excellent. Flax 1% very poor, 5% poor, 25% fair, 59% good, 10% excellent. Potatoes 3% very poor, 7% poor, 28% fair, 47% good, 15% excellent. Sugarbeets 1% very poor, 4% poor, 22% fair, 58% good, 15% excellent; Sunflower 2% very poor, 11% poor, 38% fair, 43% good, 6% excellent. Alfalfa 2nd cutting complete 89%, 94% of all other hay had been baled. Stockwater supplies 9% very short, 22% short, 67% adequate, 2% surplus. Range and pasture conditions 22% very poor, 18% poor, 30% fair, 27% good, 3% excellent.

**OHIO:** Days suitable for field work 4.7. Topsoil 1% very short, 14% short, 75% adequate, 10% surplus. Alfalfa hay 2<sup>nd</sup> cutting complete 96%, 98% 2003, 100% avg.; 3<sup>rd</sup> cutting complete 54%, 50% 2003, 71% avg.; 4<sup>th</sup> cutting complete 6%, 4% 2003, 14% avg. Apples 4% harvested (fall), 2% 2003, 3% avg.; 84% harvested (summer), 94% 2003, 87% avg. Corn 91% dough, 82% 2003, 86% avg.; 49% dented, 27% 2003, 41% avg.; 3% mature, 4% avg.; 6% silage harvested, 6% 2003, 12% avg. Cucumbers 61% harvested, 68% 2003, 78% avg. Grapes 11% harvested, 1% 2003, 2% avg. Oats 97% harvested, 99% 2003, 100% avg. Other hay 2<sup>nd</sup> cutting complete 86%, 85% 2003, 91% avg.; 3<sup>rd</sup> cutting complete 27%, 24% 2003, 37% avg. Peaches 88% harvested, 85% 2003, 83% avg. Potatoes 47% harvested, 39% 2003, 45% avg. Processing tomatoes 23% harvested, 8% 2003, 22% avg. Soybeans 97% setting pods, 95% 2003, 97% avg.; 5% dropping leaves, 1% 2003, 8% avg. Corn conditions 4% very poor, 10% poor, 26% fair, 44% good, 16% excellent. Hay conditions 2% very poor, 8% poor, 31% fair, 48% good, 11% excellent. Pasture feeds 1% very poor, 6% poor, 27% fair, 56% good, 10% excellent. Soybean conditions 5% very poor, 10% poor, 28% fair, 44% good, 13% excellent. Temperatures warmed up this past week bringing afternoon showers across much of the state. Throughout the week many farmers baled hay, while others prepared grain harvesting, storage equipment for fall. Producers chopped corn for silage, dug potatoes, harvested oats. Wheat growers continue preparing fields for fall planting.

**OKLAHOMA:** Days suitable for fieldwork 6.1. Topsoil 4% very short, 21% short, 73% adequate, 2% surplus. Subsoil 6% very short, 19% short, 73% adequate, 2% surplus. Wheat 64% seedbed prepared, 42% last week, 49% 2003, 55% avg.; 3% planted, n/a last week, 1% 2003, 2% avg. Oats 45% seedbed prepared, 36% last week, 37% 2003, 46% avg. Corn 1% poor, 12% fair, 30% good, 57% excellent; 98% dough, 90% last week, 97% 2003, 97% avg.; 45% mature, 37% last week, 45% 2003, 45% avg.; 21% harvested, 5% last week, 27% 2003, 23% avg. Sorghum 3% harvested, 1% last week, 7% 2003, 7% avg. Soybeans 1% poor, 28% fair, 54% good, 17% excellent; 90% blooming, 83% last week, 92% last year, 90% avg; 79% setting pods, 71% last week, 79% 2003, 77% avg.; 13% mature, n/a last week, 16% 2003, 21% avg.; 2% harvested, n/a last week, 5% 2003, 6% avg. Rye 56% seedbed prepared, n/a last week, n/a 2003, n/a avg, 5% planted, n/a last week, n/a 2003, n/a avg. Peanuts 99% setting pods, 92% last week, 99% 2003, 97% avg.; 32% mature, 10% last week, 32% 2003, 17% avg. Cotton 98% setting bolls, 93% last week, 94% 2003, 97% avg. Alfalfa Hay 1% poor, 22% fair, 58% good, 19% excellent; 85% 4th cutting, 69% last week, 48% 2003, 54% avg.; 23% 5th cutting, 11% last week, n/a 2003, n/a avg; Other Hay 2% poor, 27% fair, 55% good, 16% excellent; 75% 2nd cutting, 72% last week, 68% 2003, 65% avg. Watermelons 97% harvested, 96% last week, 98% 2003, 97% avg. Livestock 1% poor, 13% fair, 56% good, 30% excellent. Pasture, Range 1% very poor, 2% poor, 17% fair, 57% good, 23% excellent. Livestock: Livestock conditions were good to excellent with very strong markets. Livestock insect activity was mostly moderate, death loss of cattle was light. The market was still strong for cattle. Feeder steers dropped in price this week by fifty-five cents down to \$120.91. Feeder heifers also dropped this week to \$113.87.

**OREGON:** Days suitable for fieldwork: 4.6. Topsoil 6% very short, 36% short, 58% adequate. Subsoil 21% very short, 40% short, 39% adequate. Barley 82% harvested, 72% previous week, 92% 2003, 78% 5 yr avg. Winter wheat 96% harvested, 92% previous week, 100% 2003, 98% 5- yr avg. Spring wheat 87% harvested, 79% previous week, 94% 2003, 92% 5- yr avg. Range, Pasture 1% very poor, 18% poor, 36% fair, 39% good, 6% excellent. Activities: Weather in the state last week featured much-needed precipitation,

cooler temperatures. Rainfall put a stop to many field activities but helped replenish surface water in many areas. Precipitation significant in some areas, less than significant in others. Some fires in Wallowa County suppressed by rain. High temperatures mostly in the eighties, except along coastal areas with high temperatures in the seventies. Highest number of growing degree days (base 50) for week was in Medford, with 135. Rain, cooler temperatures early in week slowed harvest progress across much of the state. Wheat producers, especially in the northeast, concerned that sprout damage may occur. Statewide, winter wheat harvest nearly complete, with 96% of crop harvested as of August 29. Alfalfa, other hay harvest also delayed last week by wet weather. Fall tillage, preparation for fall seeding continued in many areas. Rain benefitted most vegetable crops. Harvest continued for tomatoes, sweet corn, melons, squash throughout the state. Truck gardens doing well in Josephine County. Growers began to harvest processing sweet corn in Washington County. Although delayed several days, onion harvest fully underway in Malheur County by week's end. Klamath County farmers rolling potato vines in preparation for harvest. Pear harvest continued in Hood River, Clackamas, Washington, Wasco, Jackson counties. Early apples picked throughout Willamette Valley, in Wasco County. Some evergreen blackberries, blueberries still available. Washington County hazelnuts beginning to fall. More eastern filbert blight found in Linn, Lane counties. Peach harvest continued in Yamhill County. Some southern coast cranberry growers reported damage from larval feeding of cranberry girdler insects. As end of season nears, many greenhouses, nurseries began preparations for next year. Most nursery crops stood to benefit from precipitation; however, Easter lily growers in Coos, Curry counties adjusted their fieldwork activities due to rain. Both greenhouses, nurseries rotated large shrubs. Rain showers over past two weeks improved dryland range conditions across the state. Some dryland pastures in western State started to show some regrowth. Some rangeland, pastures in northeast areas in State still reported as dry, however. Livestock reported as mostly good across the state.

**PENNSYLVANIA:** Days suitable for field work 6.0. Soil 2% short, 76% adequate, 22% surplus. Fall plowing 12% complete, 8% 2003, 14% avg. Corn 79% dough, 63% 2003, 71% avg.; 44% dent, 18% 2003, 36% avg.; 8% mature, 2% 2003, 6% avg.; 16% silage harvested, 5% 2003, 16% avg.; condition 1% very poor, 2% poor, 10% fair, 41% good, 46% excellent. Oats 99% ripe, 99% 2003, 98% avg.; 95% harvested, 90% 2003, 92% avg. Soybean condition 1% poor, 7% fair, 52% good, 40% excellent. Tobacco 72% harvested, 14% 2003, 25% avg. Potatoes 23% harvested, 18% 2003, 23% avg. Alfalfa 2nd cutting complete 95%, 92% 2003, 94% avg.; 3rd cutting complete 65%, 58% 2003, 69% avg.; 4th cutting complete 12%, 17% 2003, 25% avg. Alfalfa condition 1% very poor, 3% poor, 19% fair, 62% good, 15% excellent. Timothy clover 2nd cutting complete 66%, 66% 2003, 70% avg. Peaches 82% harvested, 75% 2003, 83% avg. Apple condition 19% fair, 51% good, 30% excellent; 35% harvested, 27% 2003, 25% avg. Grapes 17% harvested, 1% 2003, 5% avg. Quality of hay made 2% very poor, 9% poor, 29% fair, 52% good, 8% excellent. Pasture feeds 4% very poor, 6% poor, 22% fair, 55% good, 13% excellent. Activities Included: Baling hay; spreading manure; applying herbicides, pesticides; picking fruit; harvesting oats, tobacco, silage; preparing equipment for fall seeding and harvest.

**SOUTH CAROLINA:** Days suitable for field work 5.5. Soil 2% very short, 21% short, 51% adequate, 26% surplus. Corn 96% matured, 97% 2003, 97% avg.; 47% harvested, 28% 2003, 49% avg.; 3% very poor, 7% poor, 23% fair, 54% good, 13% excellent. Peanuts 98% pegged, 100% 2003, 99% avg.; 3% poor, 39% fair, 49% good, 9% excellent. Sorghum 84% turned color, 82% 2003, 82% avg.; 51% matured, 43% 2003, 48% avg.; 18% harvested, 14% 2003, 21% avg.; 19% fair, 77% good, 4% excellent. Cotton 97% setting bolls, 94% 2003, 94% avg.; 20% open bolls, 13% 2003, 19% avg.; 3% poor, 19% fair, 71% good, 7% excellent. Pastures 1% very poor, 7% poor, 24% fair, 63% good, 5% excellent. Soybeans 97% bloomed, 94% 2003, 91% avg.; 75% setting pods, 64% 2003, 60% avg.; 13% leaves turning color, 10% 2003, 10% avg.; 1% leaves dropped, 0% 2003, 1% avg.; 3% poor, 19% fair, 63% good, 15% excellent. Tobacco 90% harvested, 84% 2003, 83% avg.; 43% stalks destroyed, 29% 2003, 38% avg.; 11% poor, 29% fair, 48% good, 12% excellent. Other hay 97% harvested, 94% 2003, 94% avg.; 6% poor, 39% fair, 49% good, 6% excellent. Peaches 88% harvested, 91% 2003, 94% avg.; 2% very poor, 2% poor, 9% fair, 39% good, 48% excellent. Apples 25% harvested, 19% 2003, 21% avg.; 53% fair, 47% good. Watermelons 100% harvested, 100% 2003, 100% avg. Livestock 2%

poor, 21% fair, 61% good, 16% excellent. Winter Grazing 6% planted, 4% 2003, 3% avg.

**SOUTH DAKOTA:** Days suitable for fieldwork 6.0. Topsoil 22% very short, 34% short, 43% adequate, 1% surplus. Subsoil 27% very short, 25% short, 47% adequate, 1% surplus. Feed supplies 11% very short, 22% short, 62% adequate, 5% surplus. Stock water supplies 25% very short, 26% short, 49% adequate. Winter wheat 3% seeded, 3% 2003, 2% avg. Soybeans 0% mature, 2% 2003, 1% avg. Sunflower 8% very poor, 11% poor, 36% fair, 38% good, 7% excellent; 95% blooming, 95% 2003, 96% avg.; ray flowers dry 19%, 51% 2003, 54% avg.; bracts yellow 6%, 29% 2003, 31% avg.; 0% mature, 2% 2003, 2% avg. Cattle condition 3% poor, 19% fair, 60% good, 18% excellent. Sheep condition 1% poor, 12% fair, 63% good, 24% excellent. Range, Pasture 14% very poor, 23% poor, 36% fair, 22% good, 5% excellent. Corn 6% silage harvested, 18% 2003, 14% avg. Sorghum silage 14% harvested, 28% 2003, 18% avg. Alfalfa hay 14% very poor, 14% poor, 30% fair, 34% good, 8% excellent; 3rd cutting harvested 50%, 55% 2003, 49% avg. Other hay harvested 96%, 99% 2003, 96% avg. Another cool week has caused crop maturity to remain behind normal in several areas. Some producers received beneficial precipitation, while reports of frost damage have been received from scattered areas of the state. Progress continues on the small-grain harvest, which is nearing completion. Corn and sorghum silage harvest continues in drier parts of the state.

**TENNESSEE:** Days suitable for fieldwork 4.0. Topsoil 8% short, 81% adequate, 11% surplus. Subsoil 15% short, 79% adequate, 6% surplus. Corn silage 69% harvested, 60% 2003, 69% avg. Tobacco 91% topped, 90% 2003, 92% avg.; 2% very poor, 6% poor, 23% fair, 52% good, 17% excellent. Burley 45% harvested, 40% 2003, 44% avg.; Dark air-cured 56% harvested, 51% 2003, 54% avg.; Dark fire-cured 45% harvested, 41% 2003, 50% avg. Pastures 6% poor, 17% fair, 62% good, 15% excellent. The State experienced thunderstorms throughout the past week hampering most activities. Many farmers welcomed the rain, however, as their crops, pastures were beginning to need moisture. Activities Included: Tobacco topping and harvest, corn for grain harvest, cutting hay, beginning land preparation for seeding fall forages. Temperatures averaged above normal across the State, while rainfall averaged above normal in the western part of the State and slightly below average elsewhere.

**TEXAS:** Agricultural Summary: Statewide, conditions were dry in the middle of the week except for a few isolated light showers. Late in the week, a cold front entered the southern Plains, moved in a southeasterly direction bringing scattered rainfall to areas east of a line from Del Rio to Wichita Falls. Heaviest rainfall was reported in parts of the Edwards Plateau, South Central State around the San Antonio area, in South State around the Laredo area. The drier conditions in the Plains provided some needed heat units for cotton, allowed producers to cut silage, bale hay, plow, plant wheat for early grazing. In the Lower Rio Grande Valley, irrigation was active on sugarcane, citrus, cotton harvesting progressed well with dry weather. In South East State, corn, soybean harvest was underway. Small Grains: Land preparations continued except in a few areas slowed by the rain at the beginning and end of the week. In the High Plains, more producers started planting wheat for early grazing, continued land preparations. Corn: Harvest was completed in most of South State, through South Central State, into the Upper Coast. Harvest in Central State, the Edwards Plateau experienced some delays from rain, but otherwise made good progress. Silage was being cut on the High Plains. Corn condition 92% normal compared with 54% 2003. Cotton: In the Lower Rio Grand Valley, harvest was mostly completed. Harvest continued in South State, South Central State, the Coastal districts. There was some defoliation of cotton in areas of Central State. In the Plains, more heat units came with the drier weather as cotton progressed well. There was some irrigation in drier areas of the state. Isolated fields were being sprayed for boll worms, aphids. Cotton condition 85% normal compared with 52% 2003. Sorghum: Rains delayed harvest in some areas of Central State, the Edwards Plateau, East State. Silage was being cut in the Plains. Harvest was completed in much of South Central State, South State, the Coastal Districts. Sorghum condition 81% normal compared with 57% 2003. Peanuts: Drier conditions in the Plains increased the heat units. The crop was looking good in general, despite some disease due to wet conditions over the past few weeks. Peanut condition 91% normal compared with 88% 2003. Rice: Harvest progressed rapidly, except where scattered showers slowed some operations. There was some damage to rice from feral hogs

reported in an area of the Upper Coast. Rice condition 81% normal, compared with 87% 2003. Commercial Vegetables, Fruit, Pecans. On the High Plains, Pumpkin leaves were starting to dry down, harvest had begun. Watermelon harvest progressed well. In the Trans-Pecos, Grape harvest was completed in some vineyards. Cantaloupe harvest was fairing badly from the wet, cool conditions the past few weeks. On the Edwards Plateau, pecan trees continued to be irrigated in drier areas. Pecan growth stages ranged from gel to shell hardening. Generally, pecans looked good. There was some spraying for pecan weevils, evidence of web worms on trees. In East State, pecans were reported in the dough stage. Walnut caterpillar, web worm activity was reported in some orchards. Range, Livestock: Hay cutting, baling was active in the Plains, but rains delayed cutting in some fields in the eastern half of the state. Insects continue to be a problem in some hay fields. Statewide, condition of pasture, rangeland was generally good to excellent with little supplemental feeding occurring. Statewide, livestock were mostly rated in good to excellent condition.

**UTAH:** Days suitable for field work 7. Subsoil 21% very short, 41% short, 38% adequate, 0% surplus. Irrigation Water Supplies 39% very short, 35% short, 26% adequate, 0% surplus. Winter wheat 91% harvested, 99% 2003, 99% avg.; 3% planted for harvest next year, 0% 2003, 2% avg. Spring wheat 78% harvested, 98% 2003, 92% avg. Barley 91% harvested (grain), 98% 2003, 94% avg. Oats 74% harvested (grain), 74% 2003, 71% avg.; 100% harvested for hay or silage, 100% 2003, 100% avg. Corn 99% silked (tasseled), 99% 2003, 99% avg.; 69% dough, 68% 2003, 54% avg.; 22% dent, 27% 2003, 14% avg.; 3% silage, harvested (silage), 1% 2003, 2% avg.; condition 0% very poor, 2% poor, 20% fair, 62% good, 16% excellent. Corn height 90 inches, 95 inches 2003, 92 inches avg. Alfalfa hay 2nd cutting 99%, 100% 2003, 100% avg.; 3rd cutting 62%, 50% 2003, 51% avg.; 4th cutting 5%, 0% 2003, 1% avg. Alfalfa seed 8% harvested, 16% 2003, 11% avg. Onions 30% harvested, 13% 2003, 25% avg. Dry beans 0% harvested, 0% 2003, 3% avg. Cattle, calves moved From Summer Range 13%, 6% 2003, 16% avg. Cattle, calves condition 0% very poor, 2% poor, 18% fair, 70% good, 10% excellent. Sheep, lambs moved From Summer Range 7%, 6% 2003, 13% avg. Sheep condition 0% very poor, 2% poor, 16% fair, 75% good, 7% excellent. Stock water supplies 22% very short, 38% short, 39% adequate, 1% surplus. Apples 12% harvested, 7% 2003, 3% avg. Peaches 42% harvested, 46% 2003, 48% avg. Pears 53% harvested, 34% 2003, 27% avg. Cool weather along with scattered showers was experience through most of the state this past week with 6.5 days suitable for field work. Scattered showers brought much needed moisture to the state, helping late season crop conditions. There were a few reports of grain, hay harvest delays due to the scattered showers. Grain harvest continued, but has been somewhat slowed due to weather conditions. Winter wheat seeding began last week in some parts of the state. Many irrigation tracts have shut-off water for the season. We received some reports of frost on Saturday and Sunday nights in Summit county. Range, pasture feeds also improved due to scattered showers, cooler temperatures this past week, some areas are showing signs of revegetating. Mountain ranges continue to hold up mostly due to summer rain showers that have brought some much needed moisture. Some producers reported concern over having enough fall feed for animals returning from summer range.

**VIRGINIA:** Days suitable for fieldwork 6.3. Topsoil 14% short, 72% adequate, 14% surplus. Subsoil 2% very short, 10% short, 76% adequate, 12% surplus. State farmers welcomed a dry week. The Commonwealth received less than a 10th of an inch of rain for the 7 days. Average temperatures were around 73°, which was typical for this time of year. Farmers were able to make good progress in the wake of the dry week; hay, alfalfa, corn for grain were harvested. Good progress was also made on corn for silage. However, the optimal time for harvesting corn for silage is soon passing with the dry weather. State's tobacco continued to be harvested as fast as producers could turn barns around. Overall, farmers remain optimistic in response to early harvested corn yields, good livestock prices. Activities Included: Scouting corn for earworms, soybeans for aphids, planting fall vegetables, and tilling some fields

**WASHINGTON:** Days suitable for fieldwork was 4.0. Topsoil 5% very short, 22% short, 62% adequate, 11% surplus. Subsoil 6% very short, 34% short, 60% adequate. Irrigation water supply 3% very short, 5% short, 92% adequate. The highest temperature in the state was 90° in Pasco. The lowest temperature in the state was 45° in Republic and Pullman. Winter wheat 91%

harvest, 3% planted. Spring wheat condition 2% very poor, 3% poor, 29% fair, 62% good, 4% excellent; 89% harvested. Barley 87% harvested. Record amounts of rain fell over parts of the state this week causing cereal harvests to be halted in several counties. Producers that still had grains in the fields were worried about sprout damage. Other producers that had started seeding winter wheat were concerned about the possibility of having to replant due to the significant amounts of rain that they received. Potato conditions 1% poor, 7% fair, 90% good, 2% excellent; 43% harvested, conditions 2% fair, 96% good, 2% excellent; harvested for silage 12% harvested. Dry Peas 95% harvested. Dry edible bean conditions 8% fair, 90% good, 2% excellent; 20% harvested. Alfalfa hay 3rd cutting was 88% complete. Hay, other roughage supplies 3% short, 90% adequate, 7% excellent. Range, pasture feeds 3% very poor, 18% poor, 46% fair, 33% good. Alfalfa hay 3rd cutting that still remained in the field suffered rain damage in Grant County, in other parts of the state. However, dry pastures benefitted from the rains. A couple of hop growers reported rain, strong winds knocked down some of their hops. Wine grape harvest began about ten days ahead of schedule in some counties. Strawberry growers completed their post harvest plant mowing. Picking of fall bearing raspberries was underway. Sweet corn, apples, pears continued to be harvested.

**WEST VIRGINIA:** Days suitable for field work 6.0. Topsoil 5% very short, 17% short, 63% adequate, 15% surplus compared to 2003 64% adequate, 36% surplus. Corn conditions 2% poor, 15% fair, 55% good, 28% excellent; 81% doughing, 45% 2003, 64% 5-yr avg.; 40% dented, 10% 2003, 28% 5-yr. avg.; 1% mature. Soybeans conditions 1% poor, 3% fair, 34% good, 62% excellent; 97% setting pods, 66% 2003, 79% 5-yr avg.; 18% dropping leaves, 3% 2003, 15% 5-yr avg. Tobacco conditions 49% poor, 34% fair, 17% good; 91% topped, 59% 2003, 72% 5-yr avg.; 10% harvested. Hay conditions 4% poor, 34% fair, 52% good, 10% excellent. 2nd cutting complete 74%, 57% 2003, 74% 5-yr avg. Apples 2% poor, 11% fair, 82% good, 5% excellent; 24% harvest. Peach harvest was reported as complete. Cattle, calves 12% fair, 75% good, 13% excellent. Sheep, lambs 7% fair, 79% good, 14% excellent. Activities Included: Working livestock, marketing cattle, haying and moving hay to storage.

**WISCONSIN:** Days suitable for fieldwork 4.5. Soil conditions 5% very short, 21% short, 67% adequate, 7% surplus. Crops Need Time, Heat. There were reports of scattered frost in northern areas of the state, with some damage on field edges, in low areas. Farmers are hoping for a late killing frost so crops have a chance to mature. Last week brought a welcome change to the usual cool temperatures this summer. Temperatures were 1 to 3° above normal for this time of year, ranging from 50 to the high 80's. Precipitation ranged from trace amounts to almost 2 inches. Year-to-date precipitation in the northwestern part of the state is about 1 to 4 inches below normal, the west central part of the state is about 5 inches above normal, the south central part of the state is 2 inches above normal, the southeastern part of the state is about normal. Corn is in need of heat statewide. In most parts of the state, corn is behind schedule for maturity. In some areas, the ears have not filled out due to the cool nights, days. In the southwestern part of the state, farmers are reporting that the corn looks good, but still has a long way to go until harvest. The lack of heat, sunshine has also slowed the development of soybeans. In some parts of the state, there are a lot of pods setting, but without warmth, soybeans will have a hard time reaching maturity. In some of the northern areas, farmers are reporting some white mold. Both corn, soybeans are two to three weeks behind normal. Third crop hay is looking good with reports of high quality, yield around the state. There are reports of insect and weed problems.

**WYOMING:** Topsoil 29% very short, 40% short, 31% adequate, 0% surplus. Last year at this time, 87% of the State was rated short or very short. Barley harvest is 78% complete. Oats are 59% harvested. Winter wheat 4% planted. Spring wheat 73% harvested. Below normal temperatures and state-wide showers. Last year it was only 64%. Irrigation supplies are adequate in 41% of the State. Range, Pasture conditions 40% very poor, 26% poor, 21% fair, 9% good, 4% excellent, similar conditions to last year.

# International Weather and Crop Summary

August 22 - 28, 2004

International Weather and Crop Highlights and Summaries provided by USDA/WAOB

## HIGHLIGHTS

**EUROPE:** Across northwestern Europe, 3 consecutive weeks of wet weather caused significant delays of winter and spring grain harvesting and reductions in grain quality in England and minor delays elsewhere.

**FSU-WESTERN:** Wet weather interrupted final winter wheat and spring barley harvest in Ukraine, while several days of dry weather helped harvest in Russia.

**FSU-NEW LANDS:** Unseasonably warm, dry weather favored spring grain maturation and early harvest in Kazakhstan, while scattered showers favored immature crops in Russia.

**CANADA:** Across the central Prairies, a light frost caused little or no additional damage to immature spring grains and oilseeds after last week's significant freeze.

**MEXICO:** Lighter rain prevailed across the main corn belt of Mexico, but adequate soil moisture existed for filling summer crops.

**SOUTH ASIA:** Heavy monsoon showers fell in key growing areas of northern and central India.

**AUSTRALIA:** In eastern Australia, showers were too light and widely scattered to help winter wheat and barley in or nearing reproduction, while elsewhere in Australia showers favored jointing winter grains.

**EASTERN ASIA:** Typhoon Aere caused flooding in Taiwan and along the southeast coast of China, while in Manchuria showers favored immature crops but were unfavorable for mature crops on the North China Plain.

**SOUTHEAST ASIA:** Heavy showers caused flooding in the northern Philippines, while sunny weather favored rice in Indochina.

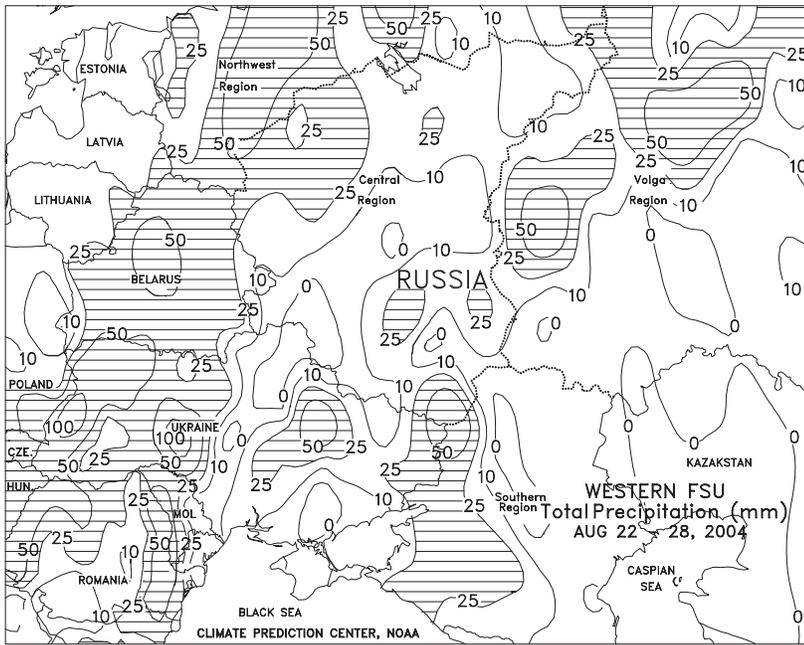
**BRAZIL:** Warm, dry weather continued to promote Brazilian coffee drydown and harvesting

**ARGENTINA:** Dry, mostly warm weather aided late winter wheat planting and early development.



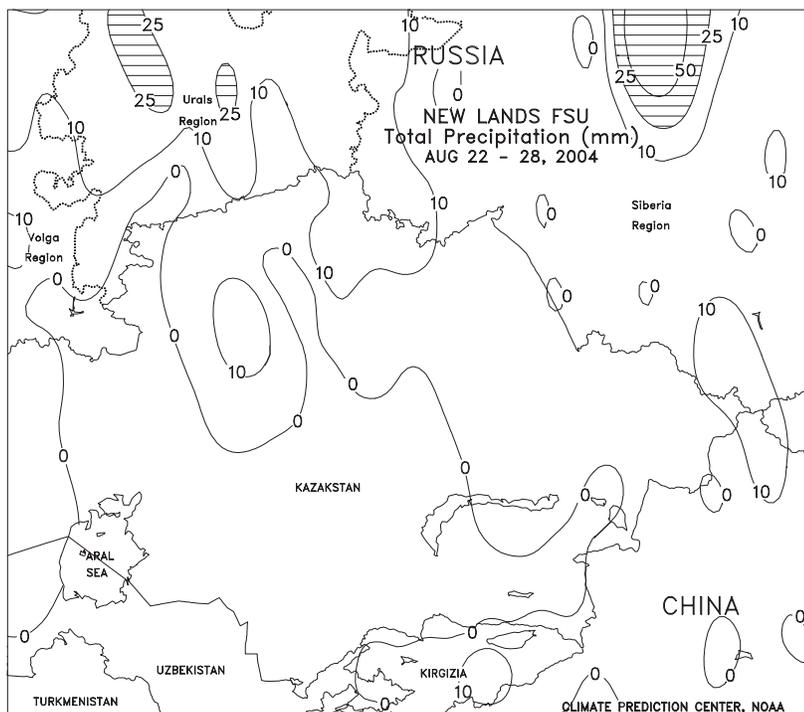
## EUROPE

Across northwestern Europe, 3 consecutive weeks of wet weather (15-50 mm) disrupted winter and spring grain harvest and caused significant grain quality reductions in England. More than half of the English winter and spring wheat acreage had not still been harvested. Elsewhere in France, the Low Countries, and Germany, winter and spring grain harvest was nearing completion and the harvest delays and quality reductions were less severe. In Poland and the Czech Republic, widespread rain (5-15 mm) slowed late winter and spring grain harvesting. Further south, heavier rain (25-60 mm or more) fell across Slovakia, Hungary, northern Serbia, Romania, and Bulgaria. Across these areas and in northwestern and central Europe, the wet weather maintained adequate to abundant soil moisture for filling summer crops and upcoming winter grains and oilseed planting. In Italy and the Iberian Peninsula, seasonably dry weather favored early summer crop harvesting. Temperatures averaged near to slightly below normal across most of Europe and 1 to 4 degrees C above normal across the Iberian Peninsula.



**FSU-WESTERN**

In Ukraine, a couple of slow-moving cold fronts brought widespread rainfall (10-50 mm or more) to most crop areas. The greatest amounts of rain (25-100 mm) fell in the west, with lesser amounts of precipitation (10-25 mm) observed in northern and eastern areas. The precipitation interrupted final harvest for winter wheat and spring barley but benefitted summer crops in the filling stage. Furthermore, the precipitation boosted topsoil moisture for upcoming winter wheat planting. Typically, winter wheat planting begins in northern Ukraine in early September and progresses southward during the month. Little if any precipitation was observed in southernmost areas. Reports from Ukraine as of August 26 indicated that grain was about 91 percent harvested. Wheat and barley crops were 97 and 96 percent harvested, respectively. In Russia, several days of dry weather helped small grain harvesting. Reports from Russia as of August 24 indicated that about 50 percent of the total grain crop, including corn, was harvested. A period of wet weather (10-50 mm or more) in the western portion of the Southern Region during the middle of the week maintained adequate to abundant moisture conditions for summer crops. Hot weather was accompanied by little if any rain from the eastern portion of the Southern Region northward into the lower Volga Valley, increasing stress on corn and sunflowers in the filling stage. Light to moderate showers briefly fell from the Central Region eastward into the upper Volga Valley, where land preparations for planting the 2005 winter grain crop were likely underway. At present, topsoil moisture is sufficient in northern Russia for crop emergence and early establishment. Wet weather (25-50 mm or more) prevailed over Belarus, maintaining soggy conditions. Weekly temperatures averaged 3 to 6 degrees C above normal in Russia, 1 to 2 degrees C above normal in Ukraine, and near normal in Belarus.

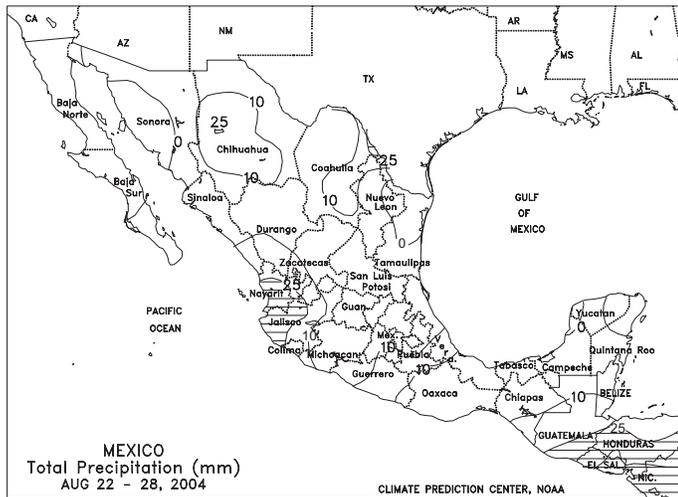
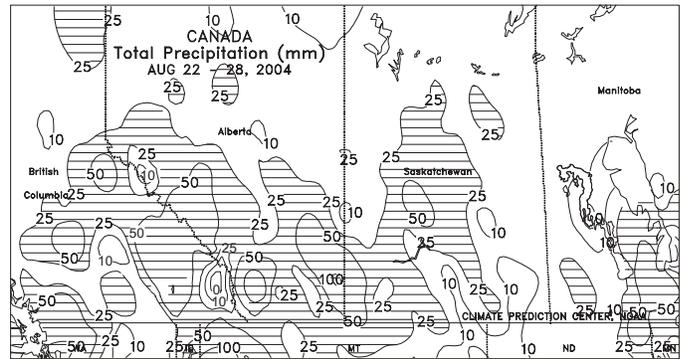


**FSU-NEW LANDS**

In Kazakhstan, unseasonably warm, dry weather prevailed over major spring grain areas in the north-central portion of the country, favoring crop maturation and early harvest. In Russia, scattered showers (5-25 mm) from the Urals Region eastward across Siberia favored immature crops. Weekly temperatures averaged 2 to 7 degrees C above normal in north-central Kazakhstan and the Urals Region in Russia, where highest weekly temperatures ranged from 32 to 35 degrees C. Weekly temperatures averaged 1 to 3 degrees C below normal in the eastern portion of Siberia, with scattered frost likely in some areas. In cotton areas of Central Asia, unseasonably warm, dry weather promoted rapid cotton development. Weekly temperatures averaged 1 to 2 degrees C above normal in most areas.

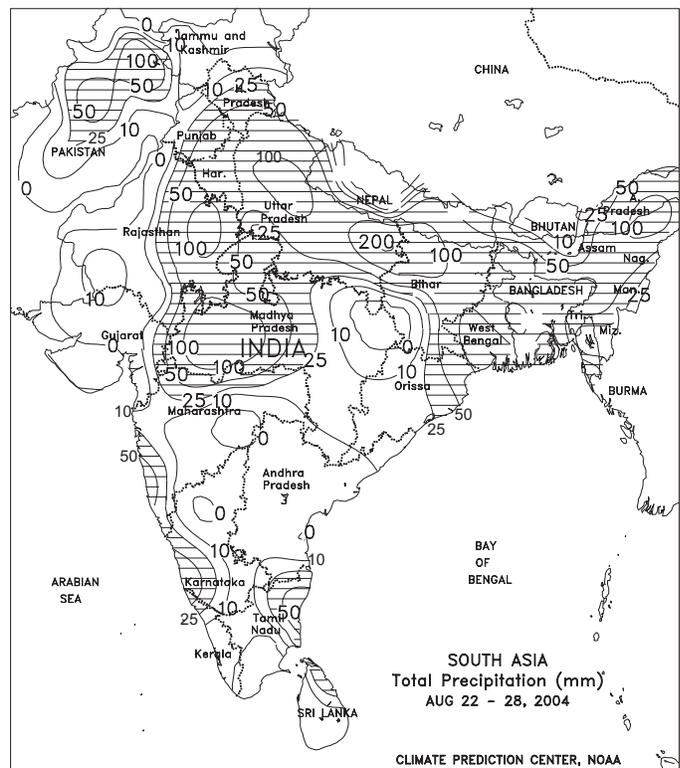
**CANADA**

On August 26, temperatures below 4 degrees C were reported in Saskatchewan's northernmost growing areas, with isolated readings below 0 degrees C. Light frost (2 to 4 degrees C) was also reported on August 27, throughout Saskatchewan. Producers in southwestern Manitoba and most of Saskatchewan (except the southwest) continued to assess damage from the last week's significant freeze (see map on page 27) to canola, spring-sown small grains, and other summer crops. Across the Prairies, cool, wet weather (rainfall of 15-60 mm or more; temperatures averaging 3-5 degrees C below normal) further slowed development of late maturing summer crops. In eastern Canada, scattered showers (5-25 mm or more) were reported, and warmer weather (temperatures averaging 2 to 3 degrees C above normal) favored summer crop development.



**MEXICO**

Lighter showers (5-20 mm) prevailed across the main Mexican corn belt and southern Mexico, maintaining adequate soil moisture for reproductive to filling corn. According to the Mexican National Meteorological Service, total Mexican rainfall from January to June 2004 was the second wettest period since 1941, second only to 1981. This abundant rainfall boosted soil moisture and irrigation supplies for summer crops. Only scattered showers (5-20 mm) were reported across the western Sierra Madre. Across northeastern and east-central Mexico, mostly dry weather reduced soil moisture for sugarcane and oranges. Temperatures averaged 1 to 3 degrees C above normal, increasing crop development.

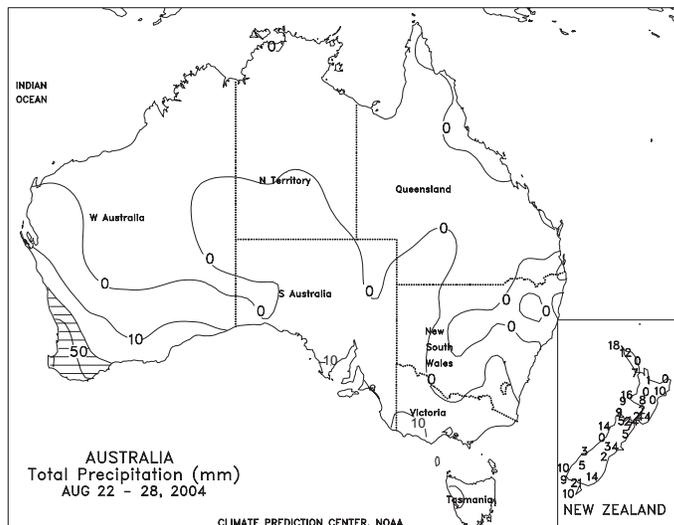


**SOUTH ASIA**

Heavy monsoon showers (50-100 mm or more) fell along a broad swath from northern India along the Gangetic Plain and into eastern India. The rainfall increased irrigation supplies for rice and cotton, causing some flooding especially in the east. Showers were also heavy (50-200 mm) in eastern Rajasthan and western Madhya Pradesh, causing some flooding but generally increasing moisture supplies for oilseeds. Dryness persisted in cotton areas of southern India accompanied by above-normal temperatures (1-3 degrees C). The monsoon typically begins to withdraw from northern India around the first week of September.

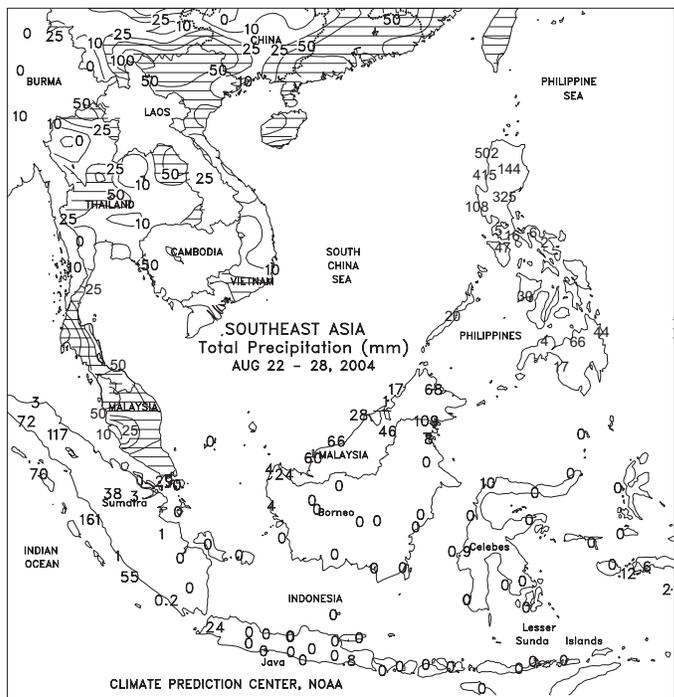
**AUSTRALIA**

In Queensland and northern New South Wales, showers were much too light (less than 3 mm) and widely scattered to break the pattern of relatively dry weather. Overall, soil moisture has steadily declined in this region because of the well-below-normal rainfall in recent months. Thus, rainfall is needed soon to maintain crop prospects as winter wheat and barley advancing through the reproductive phase of development. In southeastern Australia, showers were too light and widely scattered to prevent net evaporative losses, but topsoil moisture likely remained sufficient to encourage winter wheat and barley development. Meanwhile, widespread rainfall (10-25 mm) in Western Australia continued to favor jointing winter wheat and barley. Temperatures in Western Australia were generally seasonable, while farther east, unseasonably warm weather (temperatures 2-3 degrees C above normal) hastened winter grain development.



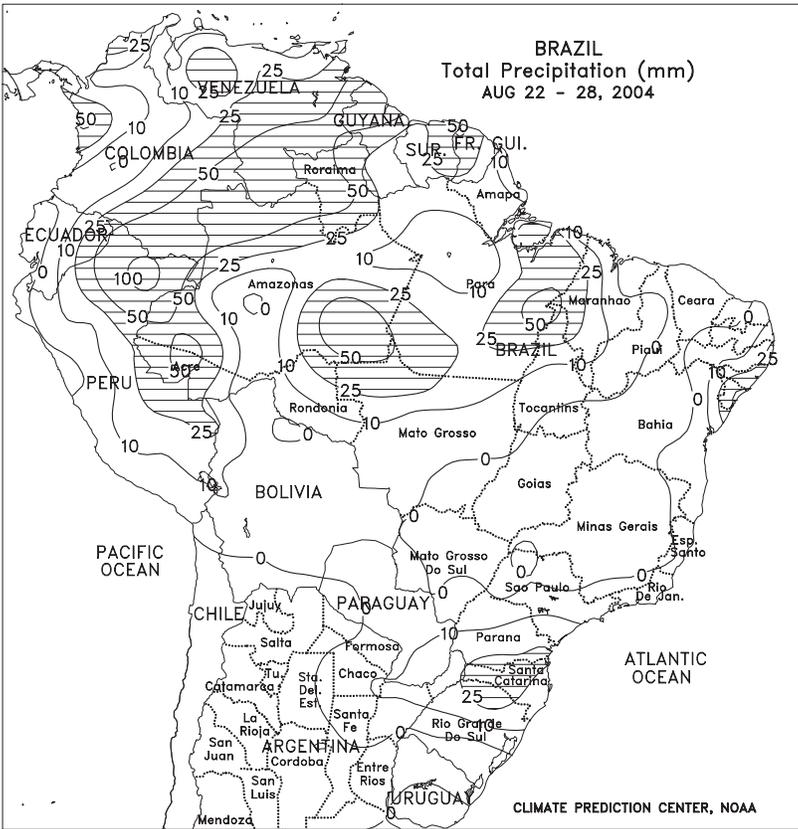
**EASTERN ASIA**

Typhoon Aere (65-75 knots) made landfall in southeastern China after inundating northern Taiwan with flooding rains. The heaviest showers (50-200 mm) were confined to the coastal provinces where flooding was likely, but the showers aided in replenishing moisture supplies. Showers (25-100 mm) in Manchuria benefited filling corn and soybeans while slowing spring wheat harvesting. In Heilongjiang, warm temperatures (3-5 degrees C above normal) aided development of immature crops. Heavy showers (50-200 mm) on the North China Plain slowed maturation and drydown of crops and provided unfavorable wetness for maturing cotton (open bolls). Showers were generally light and scattered along the Yangtze Valley, allowing for increased sunny weather for harvesting and drydown of mature crops. Typhoon Chaba (110 knots) rapidly approached southern Japan by week's end, and heavy showers from the storm's outer edges were already reported in southern Honshu, Japan and southern South Korea.



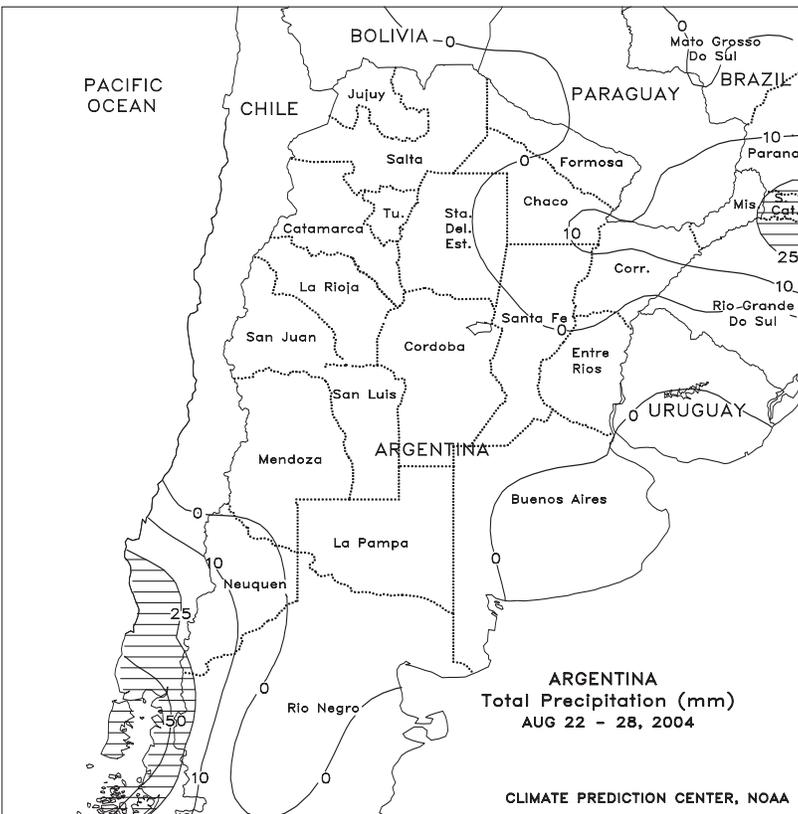
**SOUTHEAST ASIA**

Extremely heavy rainfall (over 400 mm) fell in western Luzon, the Philippines as a result of tropical showers, enhanced by Typhoon Aere passing to the north. The inundation caused flooding in rice and corn areas across most of the northern island, while mostly dry weather prevailed elsewhere in the Philippines. Mostly sunny weather with only light showers benefitted rice throughout Thailand and southern Vietnam. Showers (25-100 mm or more) continued to increase moisture supplies for plantation crops in Malaysia and the northern half of Sumatra, Indonesia.



**BRAZIL**

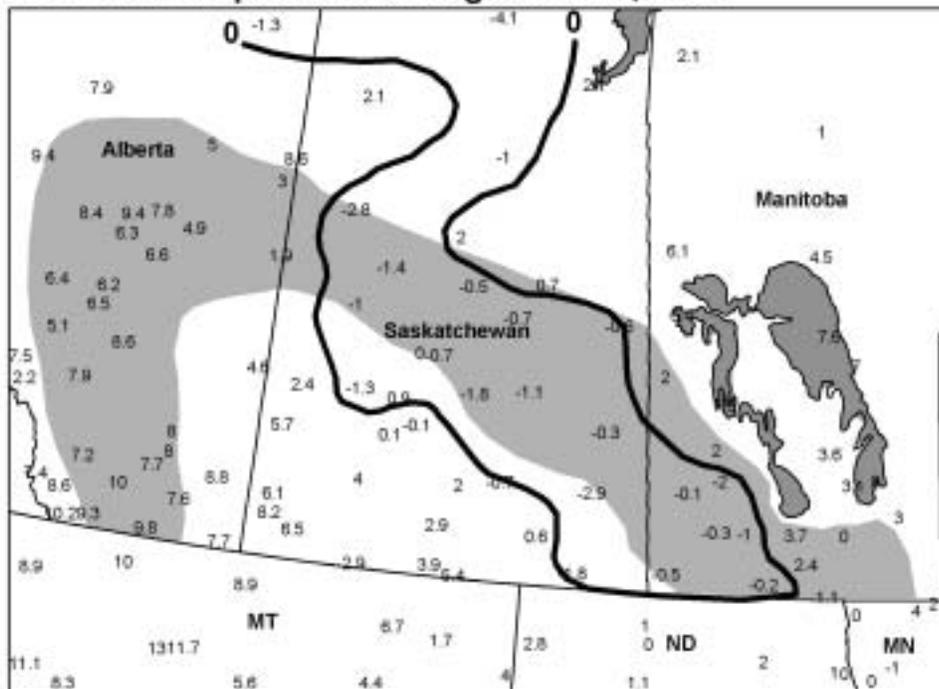
Warm, dry weather continued to promote coffee drydown and harvesting across center-south and northeast Brazil. According to independent analyst Safras e Mercado, coffee was 81 percent harvested as of August 23, compared with 91 percent last season. Harvesting was 74 percent complete in Minas Gerais, which accounts for nearly half of the total production, versus 87 percent at this point last season. Elsewhere, moderate showers (10-25 mm) boosted moisture levels for immature winter wheat in Rio Grande do Sul, Santa Catarina, and southern Parana. Temperatures averaged 2 to 4 degrees C above normal across most of center-south Brazil and near normal to 3 degrees C below normal across Rio Grande do Sul. Slightly above-normal temperatures increased irrigation requirements for corn and cotton in the northeastern interior.



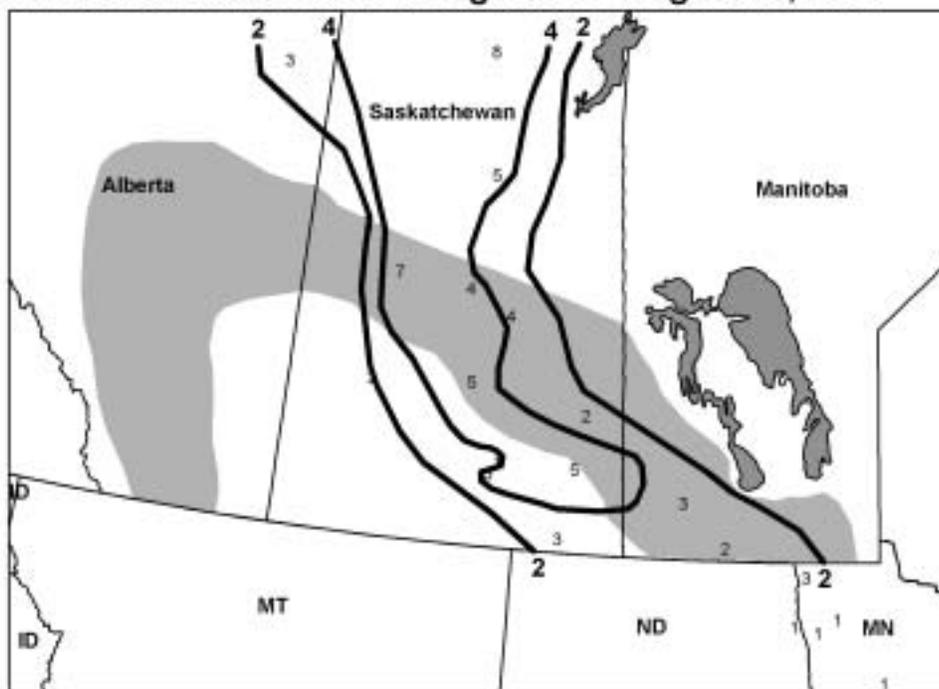
**ARGENTINA**

Dry, mostly warm weather aided late winter wheat planting and early development. Temperatures averaged near normal to 3 degrees C above normal across most of Buenos Aires, La Pampa, and Cordoba and 1 to 3 degrees C below normal in northern Argentina. According to the Argentine Ministry of Agriculture, winter wheat was about 96 percent planted as of August 27, compared with 99 percent last year. The crop is in good condition and is tillering in most areas but is slightly more advanced (stem elongation) in the north.

**Minimum Temperatures - August 19-21, 2004**



**Number of Hours Below 0 Degrees C - August 20, 2004**



Temperature data provided by the Climate Prediction Center and USDA NOAA/PORT.

Canola and barley growing areas.

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