

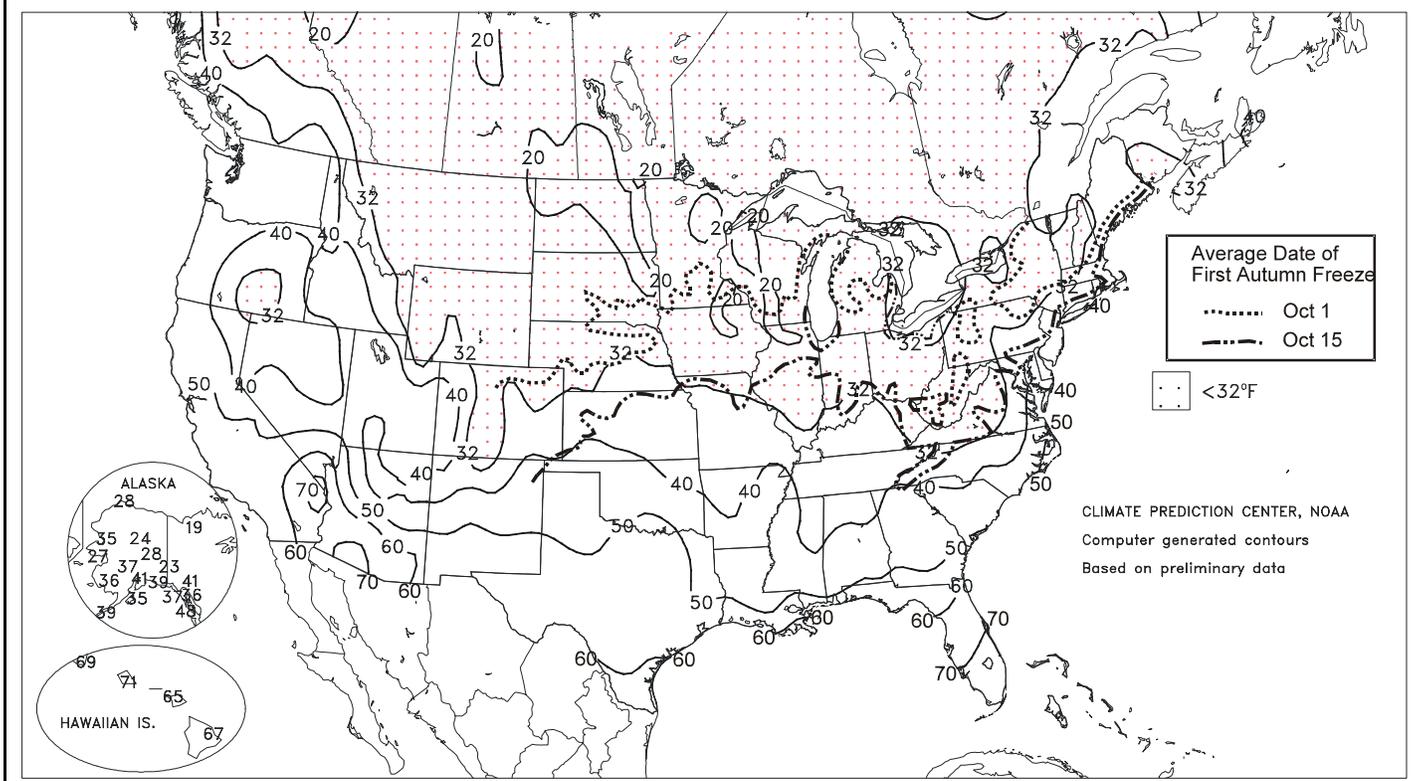
# WEEKLY WEATHER AND CROP BULLETIN

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

## Extreme Minimum Temperature (°F)

SEP 28 - OCT 4, 2003



## HIGHLIGHTS

September 28 - October 4, 2003

Highlights provided by USDA/WAOB

**E**arly freezes struck the **Midwest** on October 2 and 3, helping to hold weekly temperatures 5 to 15°F below normal. The growing season-ending freezes arrived more than 2 weeks ahead of schedule in parts of **central and southern Illinois** and several days earlier than normal from **Iowa eastward to southern Lower Michigan and Ohio**. However, nearly all of the corn in the freeze-affected area was denting, while only a few **Midwestern soybean** fields were not yet turning color. As a result, adverse effects from the freezes were most likely limited to late-developing soybeans in **Wisconsin, Illinois, Indiana, Michigan, and Ohio**. Cool air also swept into the **South**

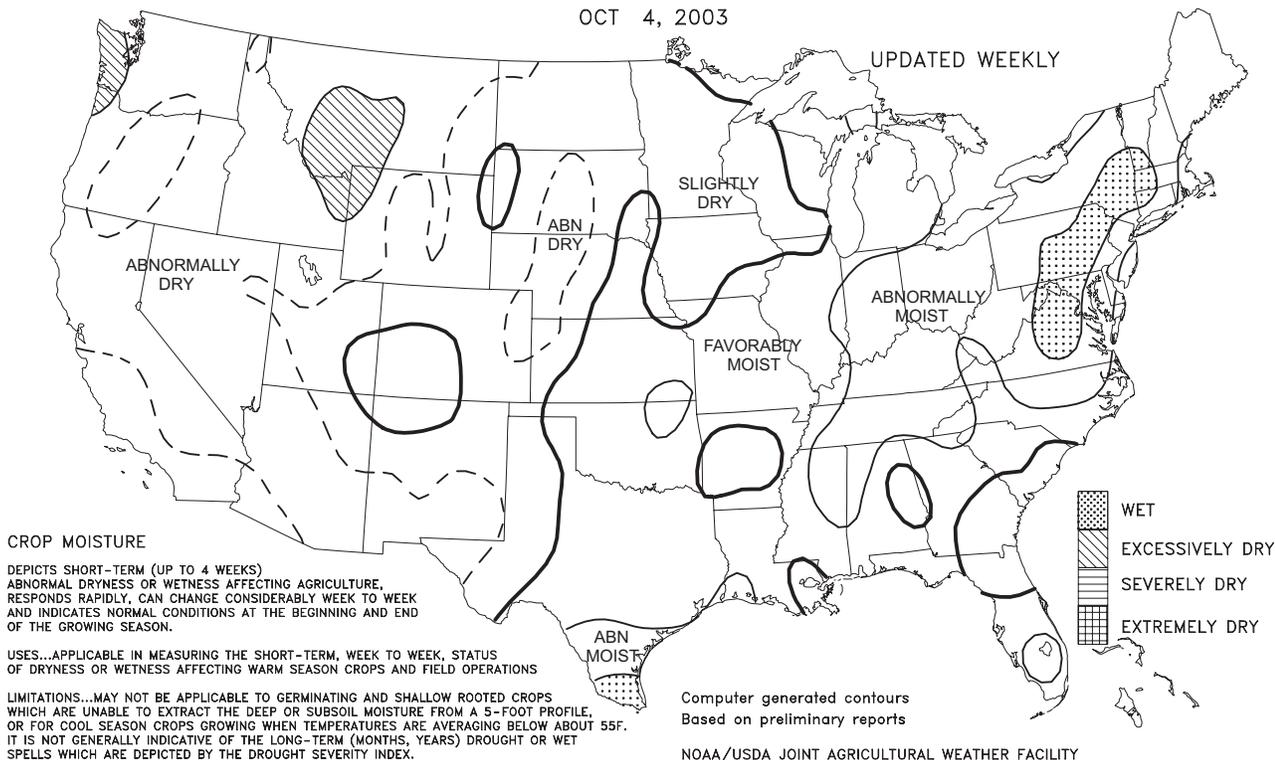
(Continued on page 5)

## Contents

Crop Moisture Maps .....	2
September 30 Drought Monitor & Pan Evaporation Map .....	3
Total Precipitation and Temperature Departure Maps .....	4
Extreme Maximum Temperature Map .....	5
Growing Degree Day Maps .....	6
Weather Data for Mississippi and the Missouri Bootheel & <b>Small Grains 2003 Summary</b> .....	7
National Weather Data for Selected Cities .....	8
National Agricultural Summary .....	11
Crop Progress and Condition Tables .....	12
State Agricultural Summaries .....	15
International Weather and Crop Summary & <b>September Temperature/Precipitation Table</b> ...	22
Subscription Information .....	28

Crop Moisture  
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-F.T. SOIL PROFILE  
OCT 4, 2003

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.

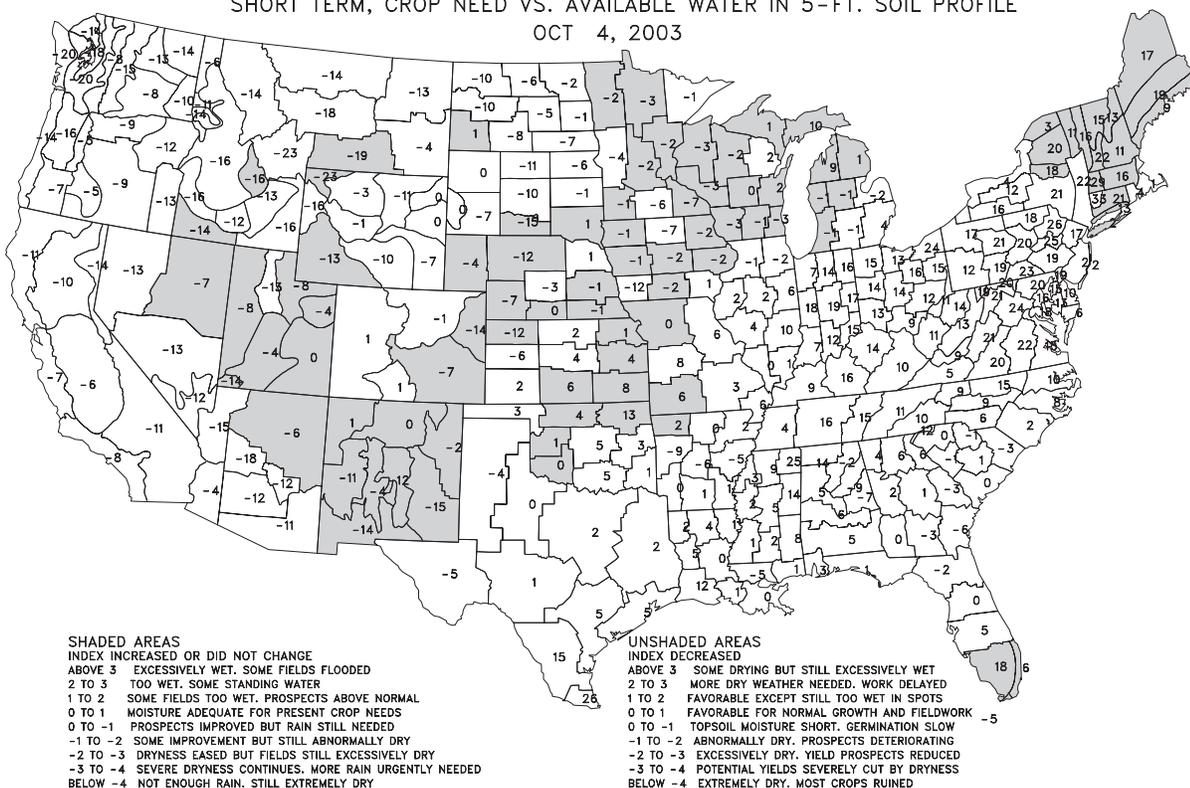
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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 ABOUT 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-F.T. SOIL PROFILE  
OCT 4, 2003



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

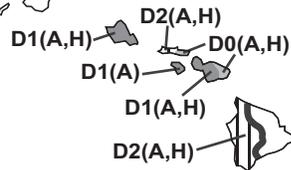
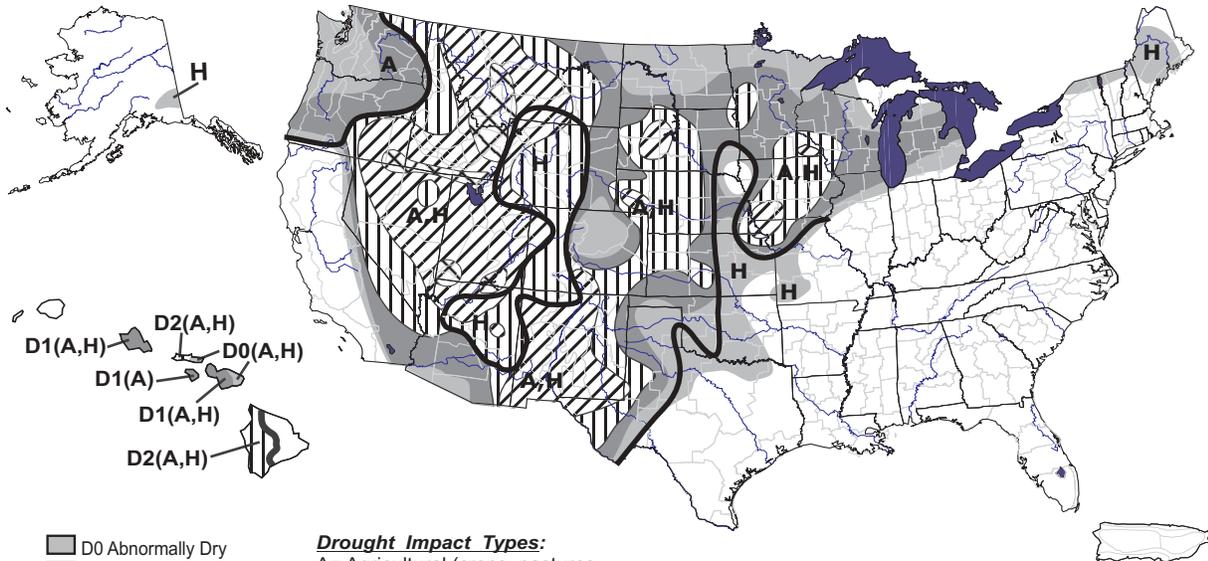
INDEX DECREASED  
 ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET  
 2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED  
 1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS  
 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK  
 0 TO -1 TOPSOIL MOISTURE SHORT. GERMINATION SLOW  
 -1 TO -2 ABNORMALLY DRY. PROSPECTS 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

# U.S. Drought Monitor

September 30, 2003  
Valid 8 a.m. EDT



- D0 Abnormally Dry
- D1 Drought—Moderate
- ▨ D2 Drought—Severe
- ▩ D3 Drought—Extreme
- ▧ D4 Drought—Exceptional

**Drought Impact Types:**  
 A= Agricultural (crops, pastures, grasslands)  
 H= Hydrological (water)  
 Delineates dominant impacts  
 (No type = both impacts)



Released Thursday, October 2, 2003

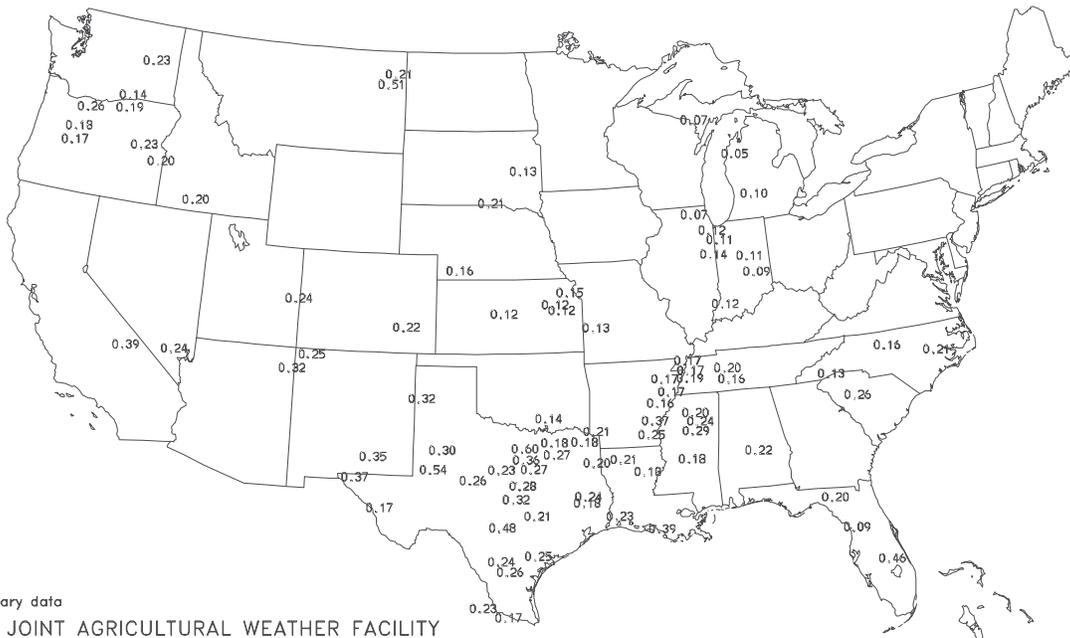
Author: Candace Tankersley/Scott Stephens, NOAA/NCDC

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>

## Average Pan Evaporation (Inches)

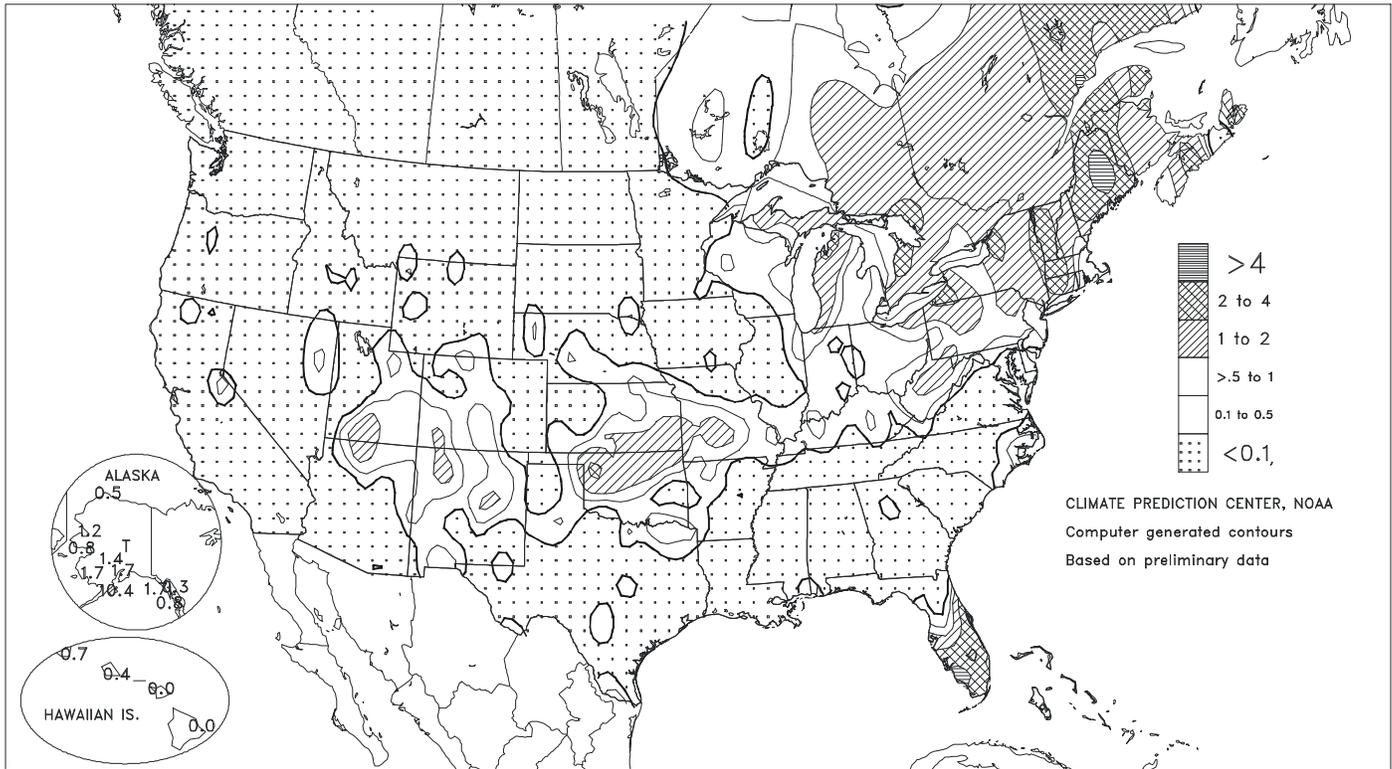
SEP 28 - OCT 4, 2003



Based on preliminary data  
 NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

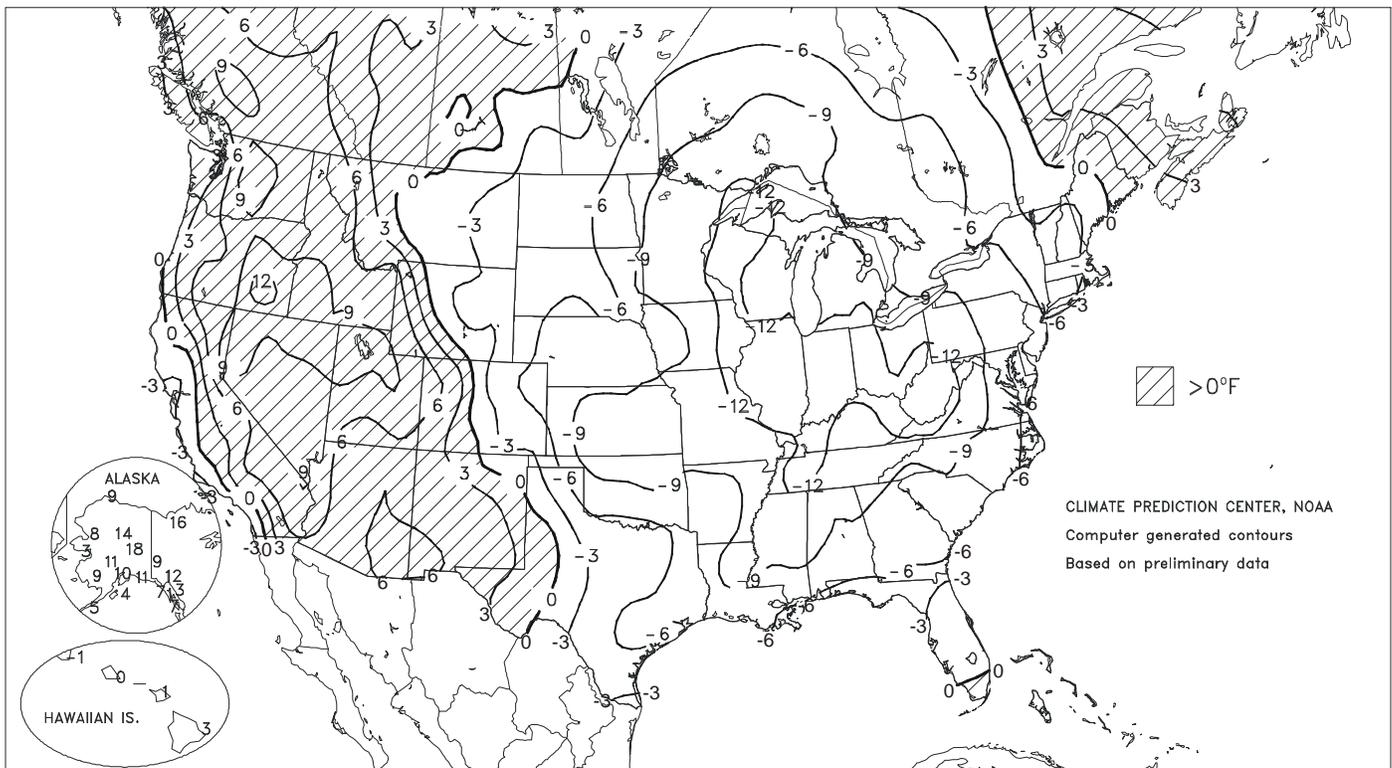
Total Precipitation (Inches)

SEP 28 - OCT 4, 2003



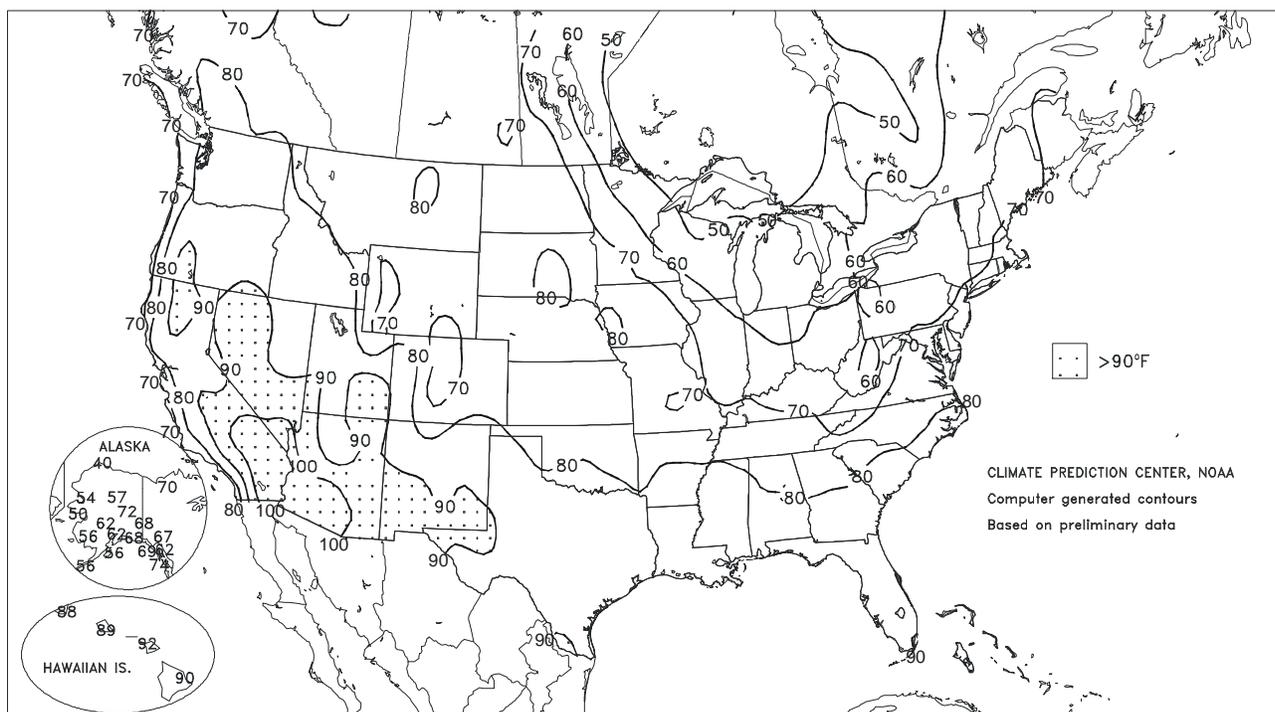
Departure of Average Temperature from Normal (°F)

SEP 28 - OCT 4, 2003



## Extreme Maximum Temperature (°F)

SEP 28 - OCT 4, 2003



(Continued from front cover)

and East, although frosts and freezes were confined to the **central and northern Appalachians** and adjacent foothills. Widespread precipitation, including some wet snow, preceded and accompanied the cold outbreaks across the **Great Lakes and Northeastern States**. Rain was especially heavy early in the week across **New England**, where a strong cold front helped to deflect Hurricane Juan into **Nova Scotia** but nevertheless interacted with moisture spreading northward from **Florida**. The front's passage also put an end to persistently heavy rainfall across **central and southern Florida**. Elsewhere in the **South**, cool, dry weather favored fieldwork, including corn, soybean, cotton, rice, peanut, and sorghum harvesting, and initial winter wheat planting. Meanwhile on the **Plains**, cool, mostly dry weather promoted summer crop harvesting and winter wheat planting. Toward week's end, beneficial showers overspread portions of the **central and southern Plains**. However, extremely dry conditions persisted from the **central High Plains northward into Montana**, slowing wheat emergence and increasing concerns about a lack of soil moisture for proper autumn establishment. Similar concerns for dryland winter grains existed in the **Northwest**, where hot, dry weather (temperatures averaged more than 10°F above normal in some locations) favored fieldwork but hampered wheat emergence and establishment. Elsewhere in the **West**, significant precipitation was confined to the **Four Corners region**, where scattered showers locally boosted topsoil moisture but provided little relief from long-term hydrological drought.

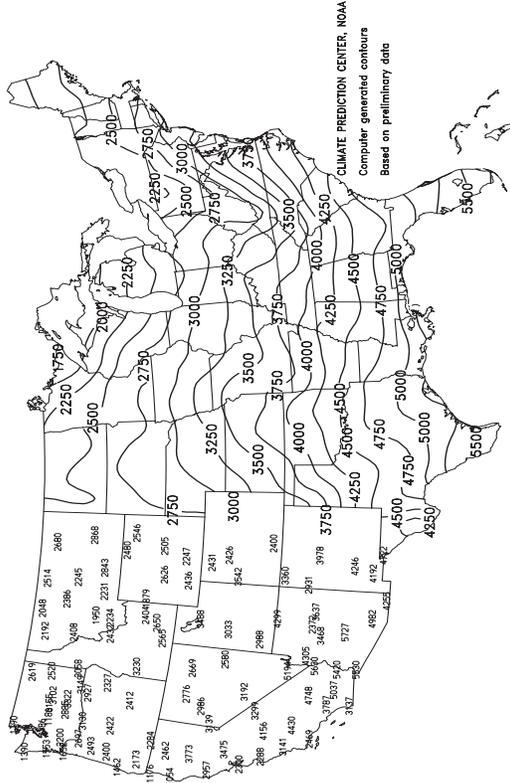
Early in the week, heavy rain swept across the **Northeast**, producing daily-record totals on September 28 in locations such as **Windsor Locks, CT** (4.04 inches), **Bangor, ME** (2.93 inches), and **Burlington, VT** (2.01 inches). In **Pennsylvania**, **Allentown** closed September with 11.08 inches (254 percent of normal), second only to a 11.57-inch total in 1999. Farther south, heavy showers lingered for much of the week in **central and southern Florida**, where daily-record totals included 6.93 inches (on September 29) in **Naples** and 3.86 inches (on October 1) in **Daytona Beach**. Late-month downpours propelled **Ft. Myers, FL** (17.21 inches, or 219 percent of normal), to its wettest September on record, eclipsing the 1969 standard of 16.60 inches. The rain also capped **Ft. Myers'** wettest June-September period on record (51.53 inches), breaking its 1947 mark of 49.73 inches.

Following the heavy rain, snow showers overspread the **Northeast** in early October. On October 2, **Williamsport, PA**, received a trace of sleet,

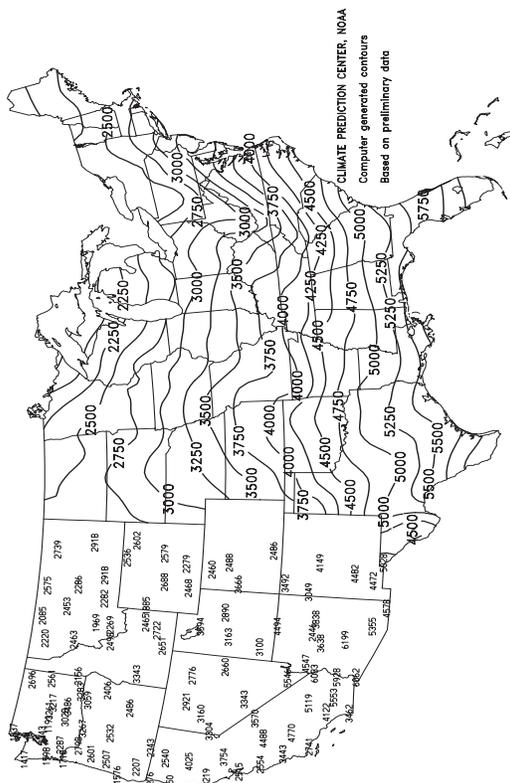
2 days earlier than its previous earliest frozen precipitation (October 4, 1965). Elsewhere on October 2, **Binghamton, NY** (0.1 inch), and **Cleveland, OH** (0.3 inch), tied 1974 records for their earliest measurable snowfalls. A day later, **Charleston, WV** (29°F on October 3), noted its earliest freeze since October 2, 1974, while **Pittsburgh, PA** (29°F on October 3), experienced its earliest reading below 30°F. **Pittsburgh's** previous record was established with a low of 27°F on October 6, 1965. Farther west, lows of 15°F (on September 30) in **Williston, ND**, 19°F (on October 1) in **Mason City, IA**, and 19°F (on October 2) in **Rochester, MN**, were among more than 50 daily-record lows. In contrast, daily-record highs were set or tied at more than 100 locations across the **West**, including **Death Valley, CA** (114°F on September 29), and **Phoenix, AZ** (107°F on September 29 and 30). Meanwhile in **Montana**, **Billings** completed its driest water year (October 1 - September 30) on record (8.71 inches, or 59 percent of normal), breaking its 1988 record of 8.80 inches.

In **Alaska**, a record-setting warm spell boosted weekly temperatures as much as 18°F above normal. From September 27 - October 1, **Annette Island, AK**, posted five consecutive daily-record highs (66, 70, 75, 65, and 67°F). After midweek, warmth shifted into the **Alaskan interior**, where monthly record highs established on October 1 included 72°F in **Fairbanks**, 70°F in **Delta Junction**, and 66°F in **Tanana**. A day later, **Delta Junction** recorded 74°F, smashing its October 1969 record by 12°F. Other **Alaskan interior** locations breaking former October records by at least 10°F on October 2 included **Nenana** (75°F), **Fort Yukon** (73°F), and **Healy** (70°F). In addition, **Dry Creek** (76°F on October 2) set an **Alaskan** high-temperature record for the month, edging **Kodiak's** mark of 74°F, set on October 4, 1929. Meanwhile, heavy precipitation overspread parts of **southern and western Alaska**, resulting in a daily-record total (0.48 inch on October 1) in **McGrath** and an October 1-5 sum of 6.83 inches in **Kodiak**. Farther south, **Hawaii** experienced another relatively quiet week, especially across the eastern islands. Showers and near-normal temperatures were confined to **Kauai** and **Oahu**, while mostly dry weather accompanied readings as much as 3°F above normal from **Molokai eastward to the Big Island**. On **Kauai**, **Wainiha's** weekly rainfall totaled 3.99 inches, including a 24-hour sum of 3.29 inches on October 1-2.

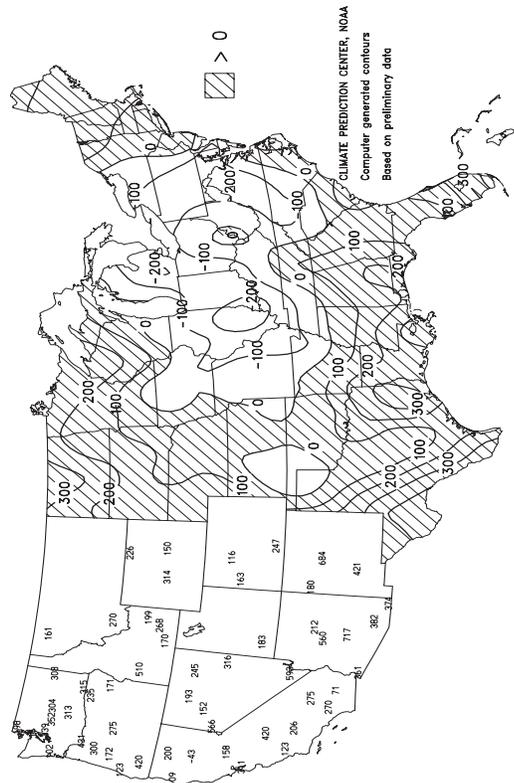
Total Growing Degree Days  
APR 1 - OCT 4, 2003



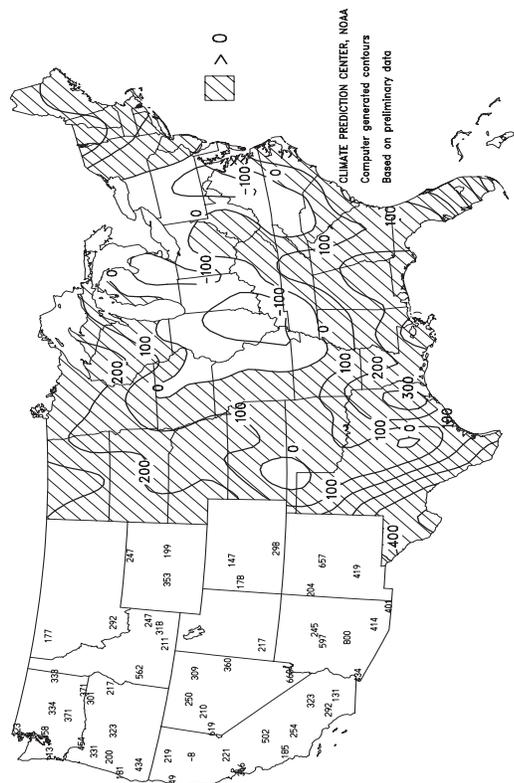
Total Growing Degree Days  
MAR 1 - OCT 4, 2003



Departure From Normal Growing Degree Days  
APR 1 - OCT 4, 2003



Departure From Normal Growing Degree Days  
MAR 1 - OCT 4, 2003



## Weather Data for Mississippi and the Missouri Bootheel

### Weather Data for the Week Ending October 4, 2003

Data provided by the Mississippi State Delta Research and Extension Center (DREC),  
the Southern Regional Climate Center (SRCC), and the University of Missouri.

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 Sep 1	PCT. NORMAL SINCE Sep 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	
MS BATESVILLE <sup>x</sup>	72	45	79	38	58	-9	0.00	-0.72	0.00	3.90	107	44.38	107	-	-	0	0	0	0	
BELZONI <sup>x</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLARKSDALE <sup>x</sup>	77	47	80	43	62	-8	0.00	-0.64	0.00	3.89	118	38.36	95	-	-	0	0	0	0	
CLEVELAND <sup>x</sup>	72	46	75	42	59	-12	0.00	-0.70	0.00	4.89	138	34.78	83	-	-	0	0	0	0	
GREENVILLE <sup>x</sup>	75	50	83	42	62	-8	0.00	-0.63	0.00	-	-	-	-	-	-	0	0	0	0	
GREENWOOD <sup>x</sup>	74	43	81	39	59	-12	0.00	-0.77	0.00	2.93	79	36.34	88	-	-	0	0	0	0	
INDIANOLA 1S	75	48	84	43	62	-	0.00	-	0.00	3.84	-	34.02	-	-	-	0	0	0	0	
INVERNESS 5E	74	50	82	46	62	-	0.00	-	0.00	3.11	-	33.14	-	81	66	0	0	0	0	
LYON	74	45	83	40	59	-	0.00	-	0.00	3.69	-	38.05	-	-	-	0	0	0	0	
MACON	75	47	82	40	61	-	0.00	-	0.00	2.16	-	45.86	-	77	68	0	0	0	0	
MOORHEAD <sup>x</sup>	72	50	83	46	61	-10	0.00	-0.75	0.00	3.55	94	33.81	80	-	-	0	0	0	0	
ONWARD	76	-	83	-	-	-	0.00	-	0.00	1.82	-	-	-	79	68	0	0	0	0	
PERTSHIRE	75	47	82	42	61	-	0.00	-	0.00	3.36	-	36.36	-	-	-	0	0	0	0	
ROLLING FORK <sup>x</sup>	79	48	90	43	63	-7	0.00	-0.77	0.00	2.34	68	33.49	80	-	-	1	0	0	0	
SCOTT	75	49	83	45	62	-	0.00	-	0.00	4.10	-	-	-	78	66	0	0	0	0	
SIDON	76	49	86	46	62	-	0.00	-	0.00	2.94	-	31.70	-	83	65	0	0	0	0	
STARKVILLE	73	46	80	41	59	-9	0.00	-0.76	0.00	2.07	53	46.07	108	-	-	0	0	0	0	
TUNICA <sup>x</sup>	71	48	79	43	60	-9	0.00	-0.63	0.00	3.92	129	29.75	74	-	-	0	0	0	0	
TUNICA 1W	72	46	81	38	59	-	0.00	-	0.00	4.84	-	31.05	-	-	-	0	0	0	0	
VANCE	73	43	82	38	58	-	0.00	-	0.00	-	-	-	-	-	-	0	0	0	0	
VERONA	71	46	80	40	59	-	0.00	-	0.00	4.48	-	43.75	-	77	62	0	0	0	0	
VICKSBURG <sup>x</sup>	76	48	88	44	62	-10	0.00	-0.77	0.00	3.31	87	43.23	98	-	-	0	0	0	0	
YAZOO CITY <sup>x</sup>	76	47	88	42	62	-10	0.00	-0.77	0.00	4.00	121	35.91	80	-	-	0	0	0	0	
STONEVILLE <sup>x</sup>	76	49	86	42	63	-6	0.00	-0.76	0.00	4.94	126	34.15	80	82	66	0	0	0	0	
MO DELTA	66	41	72	37	52	-12	0.29	-0.41	0.29	5.73	151	34.90	100	63	57	0	0	1	0	
STEELE	69	44	78	40	56	-9	0.05	-0.49	0.05	5.27	160	41.19	111	71	61	0	0	1	0	
GLENNONVILLE	67	41	74	37	53	-12	0.11	-0.31	0.11	3.04	91	27.84	84	68	56	0	0	1	0	
PORTAGEVILLE LF	68	44	76	40	55	-11	0.09	-0.37	0.09	5.16	150	38.72	110	77	58	0	0	1	0	
CLARKTON	69	43	75	37	54	-11	0.12	-0.30	0.12	5.13	154	35.23	106	66	59	0	0	1	0	
CARDWELL	69	44	78	39	55	-11	0.05	-0.71	0.05	2.78	73	40.20	110	73	60	0	0	1	0	
CHARLESTON	66	43	72	37	54	-10	0.13	-0.35	0.13	5.36	171	36.23	99	70	55	0	0	1	0	
PORTAGEVILLE DC	68	45	75	40	55	-11	0.10	-0.36	0.10	5.75	167	36.92	105	71	59	0	0	1	0	

Compiled by USDA/OCE/WAOB's Stoneville Field Office. <sup>x</sup> Based on 1971-2000 normals. - Sufficient data not available.

**Weather and Crop Summary:** Canadian high pressure held weekly temperatures as much as 12°F below normal in the Delta and Bootheel. Temperatures fell significantly below normal, with some lows dipping below 40°F. Temperatures started to moderate toward week's end, returning to the 80°F mark. Precipitation was minimal and confined to the Missouri Bootheel. The weather was ideal for fieldwork, including harvest activities. Harvest in the southern Delta remained ahead of the northern Delta. Many growers in the southern Delta were nearly finished harvesting, while harvesting was just underway in parts of the northern Delta, where some cotton fields were still in need of defoliation. Defoliation of remaining cotton may be a concern because it takes as much as twice as long for the chemical to activate in cool weather.

## U.S. Crop Production Highlights: Small Grains 2003 Summary

*The following information was released by USDA's Agricultural Statistics Board on September 30, 2003.*

**All wheat** production totaled 2.34 billion bushels in 2003, up 2 percent (%) from the last forecast and 44% above 2002. Grain area is 52.8 million acres, up 15% from last year. The U.S. yield is 44.2 bushels per acre, up 8.9 bushels from a year ago. Levels of production and change from last year by type are winter wheat, 1.71 billion bushels, up 49%; other spring wheat, 533 million bushels, up 35%; and Durum wheat, 96.6 million bushels, up 22%.

**Oats:** Production is estimated at 145 million bushels, 4% below the August 1 forecast but 22% above last year's 119 million bushels. The estimated yield is 65.0 bushels per acre, nearly the same as the August 1 forecast and up 8.3 bushels from a year ago. Record-high yields are estimated in Illinois, Iowa, Kansas,

Michigan, Missouri, Nebraska, and South Dakota. Harvested area is 2.22 million acres, 5% below the August 1 forecast but 6% above last year. Compared with the August 1 estimate, area harvested for grain declined 20,000 acres each in Colorado, Iowa, Kansas, Montana, Nebraska, and Wisconsin.

**Barley** production is estimated at 276 million bushels, down 2% from the last forecast but up 22% from last year. The average yield per acre, at 58.9 bushels, is up 1.4 bushels from the last forecast and 4.0 bushels above 2002. The area harvested for grain is estimated at 4.69 million acres, down 4% from August but 14% above a year ago. The harvested area is down from August due mostly to hot, dry weather in Montana, where farmers diverted some barley from grain to hay.

National Weather Data for Selected Cities

Weather Data for the Week Ending October 4, 2003

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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE		50 INCH OR MORE	
																		01 INCH OR MORE	50 INCH OR MORE		
AL BIRMINGHAM	73	46	79	42	60	-9	0.01	-0.80	0.01	2.68	60	58.44	139	92	36	0	0	0	0	1	0
AL HUNTSVILLE	71	44	79	38	57	-10	0.00	-0.88	0.00	5.97	125	45.64	105	92	40	0	0	0	0	1	0
AL MOBILE	79	55	84	51	67	-6	0.00	-0.93	0.00	1.76	27	61.15	114	80	37	0	0	0	0	0	0
AL MONTGOMERY	77	49	82	44	63	-8	0.00	-0.77	0.00	3.64	78	41.22	96	90	36	0	0	0	0	0	0
AK ANCHORAGE	56	47	62	41	51	9	1.73	1.16	0.45	2.49	78	9.47	78	95	74	0	0	0	6	0	0
AK BARROW	35	30	40	28	32	8	0.47	0.36	0.26	1.75	233	4.34	123	97	87	0	6	4	0	0	0
AK FAIRBANKS	65	42	72	28	53	18	0.01	-0.19	0.01	1.30	106	10.89	134	86	69	0	1	1	0	0	0
AK JUNEAU	59	40	62	36	50	3	0.28	-1.72	0.18	11.70	135	37.91	94	99	93	0	0	3	0	0	0
AK KODIAK	54	44	56	35	49	4	10.34	8.30	3.47	13.52	150	66.50	123	96	88	0	0	6	6	0	0
AK NOME	45	33	50	27	39	3	0.78	0.36	0.41	1.29	47	12.66	98	92	83	0	4	5	0	0	0
AZ FLAGSTAFF	74	40	81	32	57	4	0.13	-0.31	0.13	2.85	120	14.57	83	81	27	0	1	1	0	0	0
AZ PHOENIX	102	78	107	70	90	9	0.00	-0.17	0.00	0.26	31	5.81	98	35	23	7	0	0	0	0	0
AZ TUCSON	96	68	100	63	82	5	0.00	-0.30	0.00	2.17	134	8.50	90	60	32	7	0	0	0	0	0
AZ YUMA	101	77	105	69	89	6	0.00	-0.03	0.00	0.00	0	3.17	143	50	34	7	0	0	0	0	0
AR FORT SMITH	74	51	79	43	62	-6	0.08	-0.77	0.07	2.14	52	20.39	63	88	37	0	0	0	2	0	0
AR LITTLE ROCK	74	49	82	42	61	-8	0.00	-0.85	0.00	3.55	85	29.33	80	90	40	0	0	0	0	0	0
CA BAKERSFIELD	87	64	94	61	76	3	0.00	-0.03	0.00	0.08	47	3.64	75	72	50	1	0	0	0	0	0
CA FRESNO	88	60	93	57	74	3	0.00	-0.08	0.00	0.00	0	5.82	71	70	45	2	0	0	0	0	0
CA LOS ANGELES	70	62	71	57	66	-3	0.00	-0.03	0.00	0.00	0	8.07	82	94	81	0	0	0	0	0	0
CA REDDING	89	56	94	50	72	3	0.00	-0.20	0.00	0.18	30	18.85	83	73	45	3	0	0	0	0	0
CA SACRAMENTO	80	54	87	51	67	-2	0.00	-0.08	0.00	0.00	0	8.83	71	94	43	0	0	0	0	0	0
CA SAN DIEGO	69	63	73	62	66	-4	0.00	-0.03	0.00	0.00	0	8.00	100	89	80	0	0	0	0	0	0
CA SAN FRANCISCO	67	56	69	54	61	-2	0.00	-0.06	0.00	0.00	0	10.17	74	90	77	0	0	0	0	0	0
CA STOCKTON	83	54	88	52	69	-1	0.00	-0.08	0.00	0.00	0	4.86	51	88	57	0	0	0	0	0	0
CO ALAMOSA	68	36	78	30	52	3	0.38	0.21	0.23	1.68	171	5.63	96	89	51	0	2	3	0	0	0
CO CO SPRINGS	64	41	73	37	53	-2	0.07	-0.07	0.06	0.67	51	12.29	78	89	39	0	0	2	0	0	0
CO DENVER INTL	64	38	70	31	51	-5	0.00	-0.22	0.00	0.29	25	13.70	115	78	39	0	2	0	0	0	0
CO GRAND JUNCTION	80	51	87	48	65	6	0.11	-0.11	0.10	1.16	112	4.99	72	61	40	0	0	2	0	0	0
CO PUEBLO	70	43	80	37	56	-3	0.08	-0.03	0.08	0.55	61	11.49	106	81	48	0	0	1	0	0	0
CT BRIDGEPORT	64	47	73	37	56	-4	0.70	-0.07	0.63	3.92	98	37.29	110	83	58	0	0	2	1	0	0
CT HARTFORD	62	42	69	33	52	-5	4.23	3.35	4.04	11.24	243	43.03	123	95	62	0	0	3	1	0	0
DC WASHINGTON	64	49	72	39	57	-8	0.02	-0.80	0.02	6.93	163	46.98	154	80	43	0	0	1	0	0	0
DE WILMINGTON	63	46	70	34	55	-7	0.03	-0.81	0.02	7.46	167	42.81	127	96	51	0	0	2	0	0	0
FL DAYTONA BEACH	81	71	87	66	76	-1	4.18	2.90	3.56	8.03	110	46.96	118	94	69	0	0	4	2	0	0
FL JACKSONVILLE	80	62	89	57	71	-3	0.01	-1.38	0.01	3.06	35	39.68	90	91	61	0	0	1	0	0	0
FL KEY WEST	88	79	90	76	84	2	1.80	0.71	1.01	4.82	79	30.70	101	85	66	2	0	4	2	0	0
FL MIAMI	87	75	90	73	81	0	3.83	2.21	2.18	13.77	148	58.40	123	92	69	1	0	3	3	0	0
FL ORLANDO	83	70	88	68	77	-2	0.26	-0.67	0.14	4.13	66	45.27	109	97	69	0	0	4	0	0	0
FL PENSACOLA	79	58	83	55	69	-5	0.00	-1.04	0.00	2.90	46	55.32	106	77	40	0	0	0	0	0	0
FL TALLAHASSEE	81	58	86	54	69	-5	0.00	-0.82	0.00	4.42	81	56.05	107	84	41	0	0	0	0	0	0
FL TAMPA	84	71	89	68	77	-2	0.67	-0.30	0.37	4.16	59	49.64	127	92	65	0	0	4	0	0	0
FL WEST PALM	87	74	89	72	80	0	0.65	-0.81	0.40	6.17	69	53.76	112	95	74	0	0	4	0	0	0
GA ATHENS	73	47	78	43	60	-7	0.00	-0.77	0.00	1.74	44	42.07	113	89	41	0	0	0	0	0	0
GA ATLANTA	71	48	77	46	60	-8	0.00	-0.81	0.00	2.43	54	44.67	113	82	44	0	0	0	0	0	0
GA AUGUSTA	76	44	82	41	60	-8	0.00	-0.72	0.00	1.91	48	47.52	132	96	43	0	0	0	0	0	0
GA COLUMBUS	77	52	82	50	65	-6	0.00	-0.55	0.00	2.15	64	47.72	125	83	34	0	0	0	0	0	0
GA MACON	78	48	83	44	63	-6	0.01	-0.58	0.01	1.64	46	49.18	137	96	34	0	0	1	0	0	0
GA SAVANNAH	79	55	86	50	67	-5	0.00	-0.81	0.00	3.63	66	40.14	96	98	48	0	0	0	0	0	0
HI HILO	87	70	90	67	79	3	0.00	-1.76	0.00	8.60	85	60.18	66	82	62	1	0	0	0	0	0
HI HONOLULU	87	74	89	71	81	0	0.37	0.02	0.37	0.67	71	6.59	59	79	71	0	0	1	0	0	0
HI KAHULUI	90	68	92	65	79	0	0.00	-0.10	0.00	0.18	40	9.28	74	84	69	5	0	0	0	0	0
HI LIHUE	84	72	88	69	78	-1	0.70	-0.10	0.69	3.26	103	24.90	95	92	77	0	0	2	1	0	0
ID BOISE	84	58	87	56	71	12	0.00	-0.15	0.00	0.10	12	7.82	89	44	27	0	0	0	0	0	0
ID LEWISTON	83	51	86	49	67	9	0.00	-0.17	0.00	1.13	127	11.58	121	59	40	0	0	0	0	0	0
ID POCATELLO	79	42	84	35	61	8	0.00	-0.19	0.00	0.62	62	5.80	61	84	40	0	0	0	0	0	0
IL CHICAGO/O'HARE	56	39	58	31	47	-11	0.27	-0.29	0.27	2.01	56	24.07	85	84	41	0	1	1	0	0	0
IL MOLINE	60	35	69	26	48	-11	0.00	-0.59	0.00	3.43	98	25.05	82	89	53	0	2	0	0	0	0
IL PEORIA	59	36	68	27	48	-12	0.03	-0.64	0.03	1.54	44	24.39	86	86	40	0	1	1	0	0	0
IL ROCKFORD	56	33	61	23	45	-12	0.09	-0.52	0.09	2.08	55	17.63	59	86	41	0	3	1	0	0	0
IL SPRINGFIELD	60	34	68	23	47	-15	0.00	-0.58	0.00	1.60	51	25.84	93	93	50	0	3	0	0	0	0
IN EVANSVILLE	64	40	68	33	52	-11	0.30	-0.29	0.23	3.28	99	33.26	98	99	45	0	0	3	0	0	0
IN FORT WAYNE	55	35	58	31	45	-13	0.44	-0.11	0.24	5.68	182	37.69	132	95	51	0	3	2	0	0	0
IN INDIANAPOLIS	58	38	61	32	48	-13	0.22	-0.34	0.15	9.84	308	43.20	136	93	43	0	1	2	0	0	0
IN SOUTH BEND	54	37	56	30	45	-13	0.96	0.20	0.49	3.96	94	26.43	87	94	57	0	1	4	0	0	0
IA BURLINGTON	60	35	71	26	47	-14	0.00	-0.74	0.00	4.04	101	25.50	83	92	39	0	3	0	0	0	0
IA CEDAR RAPIDS	60	31	71	24	46	-12	0.00	-0.54	0.00	3.75	105	23.04	83	88	34	0	4	0	0	0	0
IA DES MOINES	64	37	78	30	51	-8	0.00	-0.58	0.00	2.74	79	26.27	91	82	41	0	1	0	0	0	0
IA DUBUQUE	57	30	65	22	44	-12	0.00	-0.60	0.00	3.75	96	19.89	68	83	48	0	4	0	0	0	0
IA SIOUX CITY	66	32	80	25	49	-8	0.00	-0.48	0.00	3.05	113	22.27	100	87	35	0	5	0	0	0	0
IA WATERLOO	61	30	73	19	46	-11	0.00	-0.55	0.00	2.00	61	21.33	77	80	36	0	4	0	0	0	0
KS CONCORDIA	66	42	76	39	54</																

Weather Data for the Week Ending October 4, 2003

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 Sep 1	PCT. NORMAL SINCE Sep 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	5.0 INCH OR MORE	
KY	WICHITA	63	44	70	37	53	-12	0.75	0.13	0.34	4.80	145	28.82	115	94	63	0	0	4	0
	JACKSON	61	40	65	33	51	-12	0.37	-0.37	0.19	4.62	110	43.93	115	98	50	0	0	5	0
	LEXINGTON	60	40	64	34	50	-12	0.37	-0.27	0.27	5.18	149	42.02	116	95	51	0	0	4	0
	LOUISVILLE	62	43	67	37	53	-11	0.29	-0.34	0.25	6.34	186	39.46	114	93	45	0	0	3	0
	PADUCAH	67	41	72	36	54	-10	0.30	-0.51	0.29	5.20	129	38.53	103	97	36	0	0	2	0
LA	BATON ROUGE	80	53	84	46	66	-7	0.00	-0.89	0.00	4.49	84	33.51	67	88	30	0	0	0	0
	LAKE CHARLES	80	55	85	50	68	-6	0.00	-1.10	0.00	8.54	130	34.22	77	86	36	0	0	0	0
	NEW ORLEANS	79	63	85	59	71	-4	0.00	-0.81	0.00	5.69	95	54.11	105	70	45	0	0	0	0
	SHREVEPORT	77	52	83	46	65	-7	0.00	-0.89	0.00	2.93	79	28.31	74	83	35	0	0	0	0
ME	CARIBOU	57	40	69	32	49	1	1.57	0.91	0.88	2.32	64	26.74	94	98	65	0	2	5	1
	PORTLAND	62	43	71	37	52	-1	0.70	-0.17	0.56	5.25	136	24.82	75	92	62	0	0	3	1
MD	BALTIMORE	65	45	72	38	55	-6	0.04	-0.79	0.03	7.53	170	47.38	145	85	44	0	0	2	0
MA	BOSTON	65	49	72	41	57	-2	0.27	-0.52	0.13	2.88	73	30.82	98	88	53	0	0	3	0
	WORCESTER	59	43	68	35	51	-4	0.43	-0.59	0.26	4.45	92	37.40	102	95	58	0	0	4	0
MI	ALPENA	49	34	55	30	42	-9	0.49	-0.05	0.13	2.97	95	19.21	85	97	62	0	2	6	0
	GRAND RAPIDS	52	37	57	29	45	-10	0.95	0.19	0.44	2.73	58	22.89	80	93	52	0	2	4	0
	HOUGHTON LAKE	48	34	56	26	41	-10	1.28	0.74	0.67	2.97	87	17.53	78	92	74	0	3	7	1
	LANSING	54	35	59	30	45	-10	0.38	-0.21	0.29	2.36	62	16.84	68	90	52	0	3	3	0
	MUSKEGON	53	39	56	30	46	-9	1.24	0.61	0.75	3.87	100	18.83	77	83	53	0	2	3	1
	TRAVERSE CITY	49	36	51	32	43	-11	2.18	1.46	0.97	4.16	105	20.07	78	97	57	0	1	7	1
MN	DULUTH	48	30	54	22	39	-11	0.11	-0.59	0.10	3.61	80	21.33	82	89	50	0	5	2	0
	INT'L FALLS	47	27	50	18	37	-11	0.25	-0.30	0.19	2.24	67	14.83	73	97	49	0	5	4	0
	MINNEAPOLIS	54	37	63	28	45	-10	0.04	-0.41	0.04	2.20	75	20.81	85	79	45	0	2	1	0
	ROCHESTER	55	30	64	19	43	-10	0.01	-0.52	0.01	1.68	49	20.77	78	81	38	0	4	1	0
	ST. CLOUD	55	30	66	19	43	-9	0.03	-0.47	0.03	3.76	117	22.38	98	93	36	0	4	1	0
MS	JACKSON	76	49	83	45	62	-8	0.00	-0.69	0.00	2.62	72	46.88	110	90	34	0	0	0	0
	MERIDIAN	75	46	81	40	60	-11	0.01	-0.77	0.01	2.11	52	57.10	125	97	40	0	0	1	0
	TUPELO	71	45	80	39	58	-10	0.02	-0.74	0.01	5.38	142	56.49	135	93	43	0	0	2	0
MO	COLUMBIA	62	40	70	34	51	-11	0.39	-0.32	0.38	7.86	206	32.05	102	95	50	0	0	2	0
	KANSAS CITY	64	42	72	36	53	-10	0.49	-0.52	0.43	2.64	51	23.29	74	93	55	0	0	2	0
	SAINT LOUIS	62	44	71	38	53	-11	0.23	-0.38	0.20	4.20	127	35.61	120	83	50	0	0	2	0
	SPRINGFIELD	64	43	72	38	54	-10	0.08	-0.83	0.05	2.87	54	30.56	89	93	64	0	0	3	0
MT	BILLINGS	68	40	76	33	54	0	0.00	-0.33	0.00	0.15	10	7.32	60	55	25	0	0	0	0
	BUTTE	70	29	76	25	50	4	0.00	-0.19	0.00	0.13	11	9.03	82	74	21	0	6	0	0
	GLASGOW	67	32	80	24	50	-1	0.00	-0.19	0.00	0.74	68	8.92	90	70	39	0	3	0	0
	GREAT FALLS	68	33	79	28	50	0	0.00	-0.22	0.00	1.13	83	9.67	75	80	26	0	3	0	0
	HAVRE	67	30	76	24	49	-2	0.00	-0.18	0.00	1.37	122	9.13	92	86	42	0	6	0	0
	KALISPELL	72	35	78	30	54	7	0.00	-0.20	0.00	1.93	147	8.87	67	81	39	0	3	0	0
	MISSOULA	74	40	78	35	57	7	0.00	-0.19	0.00	0.91	76	11.28	103	65	40	0	0	0	0
NE	GRAND ISLAND	67	39	80	36	53	-6	0.00	-0.39	0.00	2.05	77	15.48	69	88	42	0	0	0	0
	LINCOLN	66	38	79	32	52	-8	0.00	-0.54	0.00	3.62	112	21.80	90	86	50	0	1	0	0
	NORFOLK	67	35	80	29	51	-7	0.00	-0.43	0.00	4.22	169	19.96	86	84	35	0	3	0	0
	NORTH PLATTE	67	34	77	30	50	-6	0.50	0.22	0.48	1.13	76	17.09	98	93	37	0	2	3	0
	OMAHA	66	38	80	32	52	-8	0.00	-0.61	0.00	1.45	41	18.22	71	83	40	0	1	0	0
	SCOTTSBLUFF	67	35	76	30	51	-3	0.13	-0.13	0.13	0.96	71	8.35	59	94	53	0	2	1	0
	VALENTINE	67	30	80	26	49	-6	0.00	-0.33	0.00	0.59	33	14.50	83	79	31	0	6	0	0
NV	ELY	77	40	86	34	59	8	0.01	-0.21	0.01	0.12	11	6.52	82	61	27	0	0	1	0
	LAS VEGAS	95	72	101	67	84	9	0.00	-0.06	0.00	0.52	153	5.31	149	32	24	5	0	0	0
	RENO	85	51	94	48	68	11	0.00	-0.08	0.00	0.01	2	3.21	59	55	34	1	0	0	0
	WINNEMUCCA	84	41	91	35	63	9	0.08	-0.03	0.08	0.46	78	6.02	98	62	28	1	0	1	0
NH	CONCORD	62	39	71	32	51	-2	0.72	0.00	0.52	5.28	148	32.94	118	94	57	0	1	5	1
NJ	NEWARK	63	48	72	39	56	-6	1.04	0.25	1.00	5.68	128	43.69	121	82	55	0	0	3	1
NM	ALBUQUERQUE	80	57	89	53	68	4	0.08	-0.13	0.08	0.39	33	4.28	57	65	29	0	0	1	0
NY	ALBANY	58	41	70	31	49	-6	0.69	0.00	0.39	5.17	140	32.81	112	94	62	0	1	5	0
	BINGHAMTON	52	38	61	29	45	-8	0.87	0.14	0.40	7.76	194	33.71	114	96	64	0	2	6	0
	BUFFALO	54	40	62	31	47	-9	1.81	1.09	0.59	5.09	120	27.01	90	95	55	0	1	7	1
	ROCHESTER	55	38	65	31	47	-9	0.38	-0.25	0.20	3.04	80	23.45	90	95	64	0	1	5	0
	SYRACUSE	58	42	65	32	50	-6	0.77	-0.05	0.44	3.74	81	27.70	91	89	52	0	1	6	0
NC	ASHEVILLE	63	39	70	32	51	-9	0.00	-0.69	0.00	3.04	74	50.57	136	93	46	0	1	0	0
	CHARLOTTE	70	44	76	37	57	-10	0.00	-0.85	0.00	2.68	62	58.00	172	90	39	0	0	0	0
	GREENSBORO	67	44	73	37	56	-8	0.01	-0.90	0.01	7.94	165	55.16	161	88	41	0	0	1	0
	HATTERAS	72	60	79	54	66	-4	0.63	-0.54	0.63	6.17	97	55.46	127	81	56	0	0	1	1
	RALEIGH	70	45	78	36	58	-8	0.00	-0.87	0.00	4.59	97	41.10	120	87	43	0	0	0	0
	WILMINGTON	75	52	87	45	63	-7	0.43	-0.70	0.43	5.78	78	47.26	100	92	47	0	0	1	0
ND	BISMARCK	64	33	79	20	49	-3	0.00	-0.32	0.00	1.80	101	12.26	84	73	38	0	3	0	0
	DICKINSON	62	32	73	24	47	-5	0.00	-0.34	0.00	2.93	162	12.76	89	77	27	0	3	0	0
	FARGO	58	31	70	21	45	-7	0.03	-0.44	0.03	1.40	57	15.45	87	81	35	0	4	1	0
	GRAND FORKS	56	30	69	23	43	-8	0.01	-0.38	0.01	2.39	110	15.69	95	88	38	0	5	1	0
	JAMESTOWN	59	30	74	19	45	-7	0.00	-0.36	0.00	1.12	58	13.51	84	90	34	0	5	0	0
	WILLISTON	66	27	79	15	47	-3	0.00	-0.26	0.00	0.79	53	12.80	105	77	33	0	5	0	0
OH	AKRON-CANTON	55	37	61	30	46	-11	0.33	-0.32	0.30	7.82	206	42.80	141	91	55	0	2	3	0
	CINCINNATI	59	38	64	31	48	-14	0.27	-0.31	0.21	5.15	163	36.60	110	92	49	0	2	4	0
	CLEVELAND	56	40	61	33	48	-10	1.09	0.40	0.56	6.47	156	32.49	109	88	50	0	0	5	1
	COLUMBUS	58	40	64	32	49	-12	0.16	-0.37	0.10	7.06	219	41.86	138	92	46	0	1	3	0
	DAYTON	57	38	60	32	48	-11	0.20	-0.32	0.10	5.62	191	34.46	11						

Weather Data for the Week Ending October 4, 2003

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 Sep 1	PCT. NORMAL SINCE Sep 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	5.0 INCH OR MORE	
OK	TOLEDO	57	37	60	32	47	-11	0.34	-0.18	0.27	4.92	157	28.97	113	86	46	0	1	3	0
	YOUNGSTOWN	55	38	60	33	47	-9	0.42	-0.30	0.30	6.03	141	37.74	126	92	51	0	0	5	0
	OKLAHOMA CITY	68	52	79	46	60	-8	0.54	-0.44	0.20	2.17	48	18.10	63	88	54	0	0	3	0
	TULSA	69	48	74	39	58	-10	0.60	-0.48	0.31	4.72	88	33.03	100	94	60	0	0	4	0
OR	ASTORIA	62	53	70	50	58	2	0.04	-0.71	0.01	2.09	69	42.63	104	97	90	0	0	4	0
	BURNS	82	43	89	32	63	13	0.00	-0.11	0.00	0.61	109	7.01	93	55	34	0	1	0	0
	EUGENE	71	51	83	46	61	4	0.01	-0.32	0.01	0.99	57	23.10	74	93	77	0	0	1	0
	MEDFORD	81	52	94	45	67	6	0.00	-0.17	0.00	0.93	107	12.88	114	84	43	1	0	0	0
	PENDLETON	79	49	84	47	64	6	0.00	-0.14	0.00	0.63	89	8.54	98	66	39	0	0	0	0
	PORTLAND	71	56	83	52	64	5	0.00	-0.41	0.00	0.92	49	23.52	102	91	81	0	0	0	0
	SALEM	71	52	83	48	62	4	0.00	-0.38	0.00	1.14	69	24.09	99	95	80	0	0	0	0
PA	ALLENTOWN	60	41	71	32	51	-6	1.24	0.40	1.04	11.28	234	43.85	125	99	62	0	1	3	1
	ERIE	55	43	62	37	49	-10	2.20	1.24	0.98	7.40	140	32.32	102	81	56	0	0	7	1
	MIDDLETOWN	60	44	69	36	52	-8	0.62	-0.09	0.42	6.77	173	44.30	142	93	51	0	0	4	0
	PHILADELPHIA	64	48	72	38	56	-7	0.08	-0.67	0.07	4.75	110	35.57	107	83	53	0	0	2	0
	PITTSBURGH	55	39	60	29	47	-11	0.48	-0.09	0.29	3.66	104	31.93	106	94	46	0	2	7	0
	WILKES-BARRE	55	40	63	30	48	-9	1.02	0.23	0.47	8.59	200	37.50	128	99	61	0	1	5	0
	WILLIAMSPORT	58	40	70	31	49	-8	0.47	-0.33	0.34	8.27	187	40.34	125	96	57	0	1	5	0
RI	PROVIDENCE	66	46	71	37	56	-2	0.25	-0.50	0.12	3.49	85	36.71	106	90	57	0	0	3	0
SC	BEAUFORT	77	56	84	52	67	-5	0.00	-0.79	0.00	3.11	54	40.10	97	99	49	0	0	0	0
	CHARLESTON	77	53	87	48	65	-6	0.00	-0.96	0.00	4.47	69	44.60	104	90	43	0	0	0	0
	COLUMBIA	74	48	81	43	61	-8	0.01	-0.68	0.01	2.60	60	46.28	117	88	38	0	0	1	0
	GREENVILLE	70	47	75	41	58	-8	0.00	-0.90	0.00	1.54	34	54.63	139	93	41	0	0	0	0
SD	ABERDEEN	62	30	78	21	46	-8	0.00	-0.39	0.00	1.26	62	19.37	110	84	39	0	5	0	0
	HURON	65	33	81	20	49	-6	0.00	-0.39	0.00	1.63	81	14.43	79	82	29	0	4	0	0
	RAPID CITY	66	35	75	30	50	-5	0.00	-0.28	0.00	1.39	110	9.90	69	66	25	0	2	0	0
	SIoux FALLS	62	33	76	25	47	-8	0.00	-0.48	0.00	4.78	168	19.52	92	82	37	0	3	0	0
TN	BRISTOL	62	37	65	32	50	-11	0.02	-0.59	0.02	4.95	145	53.85	164	97	46	0	2	1	0
	CHATTANOOGA	69	45	77	40	57	-9	0.00	-0.83	0.00	5.77	121	52.06	124	90	44	0	0	0	0
	KNOXVILLE	66	43	72	38	54	-11	0.00	-0.64	0.00	5.16	152	49.33	132	96	47	0	0	0	0
	MEMPHIS	70	50	79	45	60	-10	0.00	-0.69	0.00	3.96	107	41.32	103	76	38	0	0	0	0
	NASHVILLE	66	43	74	35	55	-11	0.11	-0.58	0.10	8.73	220	47.49	130	90	35	0	0	2	0
TX	ABILENE	79	57	83	50	68	-3	0.00	-0.70	0.00	1.06	32	14.78	79	75	48	0	0	0	0
	AMARILLO	73	50	85	44	61	-3	0.10	-0.24	0.06	1.85	89	11.99	70	83	51	0	0	3	0
	AUSTIN	82	53	86	49	68	-7	0.00	-0.84	0.00	4.11	121	19.77	79	70	37	0	0	0	0
	BEAUMONT	79	57	84	53	68	-7	0.00	-1.24	0.00	9.78	144	43.30	94	85	37	0	0	0	0
	BROWNSVILLE	84	68	87	64	76	-2	0.00	-1.15	0.00	15.15	255	26.13	121	98	68	0	0	0	0
	CORPUS CHRISTI	83	66	87	62	74	-4	0.00	-1.13	0.00	10.73	190	23.63	93	89	58	0	0	0	0
	DEL RIO	83	63	85	57	73	-3	0.00	-0.52	0.00	3.39	144	19.13	129	84	51	0	0	0	0
	EL PASO	88	63	93	59	76	5	0.19	-0.10	0.18	0.27	15	3.56	47	64	27	2	0	2	0
	FORT WORTH	79	57	84	55	68	-5	0.01	-0.83	0.01	4.02	138	19.71	76	76	36	0	0	1	0
	GALVESTON	79	66	85	63	73	-5	0.00	-1.05	0.00	6.89	109	27.28	81	80	45	0	0	0	0
	HOUSTON	81	58	85	54	69	-6	0.00	-0.96	0.00	6.80	139	31.39	87	83	39	0	0	0	0
	LUBBOCK	79	54	86	49	66	0	0.23	-0.28	0.23	0.55	19	7.99	50	77	53	0	0	1	0
	MIDLAND	82	60	86	52	71	1	0.00	-0.54	0.00	0.87	33	9.69	81	74	51	0	0	0	0
	SAN ANGELO	80	57	83	53	69	-2	0.00	-0.69	0.00	3.15	94	15.06	90	83	47	0	0	0	0
	SAN ANTONIO	82	59	86	54	70	-5	0.00	-0.80	0.00	9.25	267	26.11	104	84	41	0	0	0	0
	VICTORIA	83	57	87	54	70	-6	0.01	-1.16	0.01	8.47	150	28.84	92	96	47	0	0	1	0
	WACO	81	56	85	53	69	-5	0.00	-0.86	0.00	4.26	126	22.36	90	80	41	0	0	0	0
	WICHITA FALLS	77	53	83	51	65	-5	0.00	-0.77	0.00	1.97	54	17.13	75	87	51	0	0	0	0
UT	SALT LAKE CITY	82	55	88	51	69	10	0.00	-0.36	0.00	1.78	116	10.30	82	58	26	0	0	0	0
VT	BURLINGTON	58	43	70	34	51	-2	2.58	1.83	2.01	3.67	86	21.89	78	90	56	0	0	5	1
VA	LYNCHBURG	65	37	73	28	51	-10	0.00	-0.87	0.00	7.26	166	49.91	147	92	41	0	2	0	0
	NORFOLK	70	55	77	49	62	-5	0.15	-0.70	0.15	5.79	128	45.43	124	84	46	0	0	1	0
	RICHMOND	68	46	74	36	57	-7	0.00	-0.89	0.00	10.13	226	52.03	150	90	47	0	0	0	0
	ROANOKE	63	40	71	30	52	-10	0.04	-0.75	0.02	4.39	102	45.89	136	89	45	0	1	2	0
WA	WASH/DULLES	63	42	73	30	53	-8	0.10	-0.70	0.06	7.34	172	50.32	155	91	49	0	1	2	0
	OLYMPIA	68	47	85	44	58	4	0.04	-0.50	0.03	1.52	65	27.74	90	98	82	0	0	2	0
	QUILLAYUTE	61	50	66	45	56	2	0.07	-1.35	0.03	3.51	70	51.70	81	100	96	0	0	4	0
	SEATTLE-TACOMA	66	53	84	48	60	3	0.03	-0.40	0.02	0.69	37	21.71	96	97	83	0	0	2	0
	SPOKANE	79	50	82	45	64	11	0.00	-0.14	0.00	0.59	70	10.20	91	55	25	0	0	0	0
	YAKIMA	84	45	87	41	65	11	0.00	-0.07	0.00	0.05	12	4.79	90	77	34	0	0	0	0
WV	BECKLEY	55	35	59	26	45	-13	0.32	-0.36	0.23	6.62	183	40.39	121	91	59	0	2	4	0
	CHARLESTON	59	39	63	29	49	-12	0.84	0.21	0.29	5.35	141	47.14	136	100	54	0	2	5	0
	ELKINS	54	34	62	24	44	-12	0.79	0.07	0.31	6.60	156	41.23	112	100	54	0	3	5	0
	HUNTINGTON	61	38	65	29	49	-12	0.56	-0.02	0.24	3.96	127	45.02	136	94	44	0	2	4	0
WI	EAU CLAIRE	52	30	58	21	41	-13	0.36	-0.23	0.19	2.35	58	20.18	74	96	42	0	6	3	0
	GREEN BAY	52	32	56	26	42	-11	0.57	0.05	0.45	3.80	112	24.94	106	94	48	0	5	3	0
	LA CROSSE	56	32	60	25	44	-13	0.05	-0.51	0.04	2.65	71	19.51	72	94	37	0	2	2	0
	MADISON	54	34	57	22	44	-11	0.11	-0.39	0.07	4.32	129	20.79	77	86	46	0	3	3	0
	MILWAUKEE	54	39	58	32	47	-10	0.21	-0.37	0.14	1.12	31	14.34	52	79	41	0	1	3	0
WY	CASPER	65	29	72	25	47	-4	0.00	-0.28	0.00	1.51	132	11.95	113	87	37	0	7	0	0
	CHEYENNE	63	36	70	32	50	-1	0.02	-0.21	0.02	1.12	72	9.53	69	80	47	0	1	1	0
	LANDER	66	39	71	35	52	-1	0.00	-0.32	0.00	1.28	96	8.88	83	66	38	0	0	0	0
	SHERIDAN	69	32	77	27	50	-1	0.00	-0.36	0.00										

## National Agricultural Summary

September 29 - October 5, 2003

Weekly National Agricultural Summary provided by USDA/NASS

### HIGHLIGHTS

**From the Rocky Mountains to the Pacific Coast, temperatures were above normal, with record highs along the West Coast. All areas east of the Rockies were cooler than normal, and widespread freezes across most areas of the northern Great Plains, Corn Belt, and Ohio**

**Valley terminated crop growth, with mature crops mostly unaffected. Most of the Nation was very dry, promoting harvest of summer crops and planting of winter wheat. However, New England and southern Florida had moderate to heavy rainfall.**

**Corn:** Ninety percent of the crop was mature, 1 percentage point behind last year at this time and 3 points behind the normal pace. Twenty-seven percent of the crop had been harvested, the same as last year but 6 points below the 5-year average. Freezing temperatures ended crop growth across the Corn Belt and Ohio Valley, accelerating maturation. During the week, over one-fourth of the crop reached maturity in Michigan, Ohio, and Wisconsin. Despite the dry weather, growers made little harvest progress, focusing instead on harvesting soybeans and planting winter wheat. The Ohio Valley had still not recovered from slow progress earlier in the season, and maturation and harvest were 1 week or more behind normal.

**Soybeans:** Eighty-nine percent of the crop was dropping leaves, 1 percentage point behind last year and the 5-year average. Thirty-seven percent of the crop had been harvested, 8 points ahead of last year but 2 points behind the normal pace. Freezing temperatures in the northern Great Plains, Corn Belt, and Ohio Valley accelerated development through the dropping leaves stage. Over one-fourth of the crop dropped leaves in Kentucky during the week, pushing development well ahead of normal. Harvest progressed rapidly across the Nation, aided by dry weather. Corn Belt and northern Great Plains producers made good harvest progress, with one-third or more of the crop harvested during the week in Iowa, Minnesota, and North Dakota. The harvest pace was only slightly slower in Illinois and South Dakota, where nearly one-fourth of the crop was threshed.

**Winter Wheat:** Seeding advanced to 63 percent complete, 1 percentage point ahead of last year and 7 points ahead of the 5-year average. Thirty-one percent of the expected acreage had emerged, 5 points behind last year but 2 points ahead of normal. Planting progressed rapidly in the Rocky Mountains and Pacific Northwest, encouraged by warm, dry weather. Planting progressed steadily across the Great Plains but was slow in the Corn Belt and Ohio Valley. Emergence of the crop was hindered in the Corn Belt by low temperatures but progressed steadily in the Great Plains and Rocky Mountains. Emergence remained over 1 week behind the normal pace in Montana and Washington.

**Cotton:** Seventy-six percent of fields had open bolls, 13 percentage points behind last year and the 5-year average. Twenty-one percent of the acreage had been harvested, 2 points behind last year and 10 points below normal for this date. Crop development was nearly 2 weeks behind normal nationwide. Most States were 1 week or more behind their normal bolls opening progress, with Mississippi, Missouri, Tennessee, and Texas over 2 weeks behind. Harvest progress was over 1 week behind the normal nationwide pace. Harvest progressed well

across the Mississippi Delta, where Louisiana growers harvested over one-fourth of their crop during the week. However, despite good harvest weather, other regions made little progress due to lack of maturity. Several States were 2 weeks or more behind their normal pace, and Virginia was 3 weeks behind.

**Sorghum:** Ninety percent of the crop had turned color, 4 percentage points behind last year and 8 points behind the average. Sixty-six percent of the crop was mature, compared with 78 percent last year and 84 percent for the 5-year average. Forty-two percent of the acreage was harvested, 10 points behind last year and 14 points behind normal. The crop remained around 2 weeks behind normal in all progress stages, mostly due to the Texas crop, which was over 4 weeks behind in all stages. Coloring was also over 2 weeks behind normal in Kansas. Maturation was over 1 week behind in Illinois, Kansas, Missouri, and Nebraska. Illinois and Kansas growers were 2 weeks or more behind their normal harvest pace.

**Rice:** Eighty percent of the acreage had been harvested, 1 percentage point behind last year and 2 points behind the 5-year average. Missouri producers again progressed the most, harvesting 19 percent of their crop during the week. Texas and Louisiana growers edged closer to completion, with 99 and 97 percent of their crops harvested, respectively. Though most States were near their normal harvest pace, California was 8 points behind average.

**Peanuts:** Thirty-six percent of the acreage was harvested, 5 percentage points ahead of last year but even with the normal harvest pace. Alabama and Florida growers harvested 20 percent of their crop during the week, followed closely by Georgia producers, with 19 percent. These States were ahead of their 5-year averages, while all other States were behind normal. Virginia growers were 1 week behind their normal harvest pace, while Texas producers were over 3 weeks behind.

**Other Crops:** Forty percent of the sugar beet crop had been harvested, 10 percentage points ahead of last year and 7 points ahead of the 5-year average. In Minnesota and North Dakota, harvest was over halfway complete, and progress was 15 points ahead of normal. Harvest was just getting underway in Michigan, where progress was 20 points behind normal due to late planting and warm weather earlier in the season.

Seventeen percent of the sunflower crop had been harvested, compared with 10 percent last year and 14 percent for the 5-year average. South Dakota growers led the Nation with 32 percent of their crop harvested. Colorado producers were over 1 week ahead of their normal harvest pace.

# Crop Progress and Condition

## Week Ending October 5, 2003

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

Soybeans Percent Dropping Leaves				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	51	40	56	63
IL	92	75	90	91
IN	88	75	91	96
IA	97	89	97	94
KS	81	69	88	91
KY	96	70	84	80
LA	82	66	72	87
MI	93	75	96	87
MN	99	98	99	98
MS	91	86	89	92
MO	76	58	75	80
NE	93	78	94	97
NC	49	31	38	38
ND	100	95	100	99
OH	89	74	96	96
SD	100	97	98	98
TN	60	47	74	73
WI	94	84	91	88
18 Sts	89	78	90	90
These 18 States planted 96% of last year's soybean acreage.				

Corn Percent Mature				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
CO	93	85	88	86
IL	95	87	94	97
IN	78	62	83	93
IA	97	91	98	98
KS	99	97	97	97
KY	96	94	99	99
MI	63	37	86	79
MN	99	94	94	94
MO	97	94	99	98
NE	85	73	91	94
NC	100	98	100	100
ND	98	90	88	93
OH	62	35	68	79
PA	44	26	82	63
SD	94	82	89	90
TN	100	99	100	100
TX	98	96	98	99
WI	85	55	77	78
18 Sts	90	79	91	93
These 18 States planted 92% of last year's corn acreage.				

Winter Wheat Percent Planted				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	12	4	6	5
CA	5	4	5	5
CO	95	85	87	87
ID	66	41	61	54
IL	13	4	25	15
IN	12	7	24	24
KS	62	45	65	57
MI	38	33	47	42
MO	14	5	18	17
MT	80	54	81	66
NE	93	82	90	90
NC	10	3	11	12
OH	12	3	36	35
OK	70	58	71	54
OR	46	26	21	25
SD	84	66	82	82
TX	68	55	60	55
WA	76	72	89	81
18 Sts	63	49	62	56
These 18 States planted 90% of last year's winter wheat acreage.				

Soybeans Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	26	19	23	25
IL	38	15	32	40
IN	19	9	27	40
IA	56	20	25	42
KS	10	7	32	35
KY	13	5	17	26
LA	56	43	43	63
MI	11	5	30	23
MN	68	33	32	54
MS	75	*68	50	61
MO	13	5	25	25
NE	32	12	31	38
NC	2	0	3	4
ND	60	27	52	55
OH	16	6	30	41
SD	47	22	33	38
TN	15	5	19	20
WI	23	11	17	23
18 Sts	37	17	29	39
These 18 States harvested 96% of last year's soybean acreage.				

Corn Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
CO	18	12	6	14
IL	32	17	33	42
IN	13	8	20	28
IA	17	10	13	22
KS	71	56	72	68
KY	65	52	76	78
MI	5	2	10	14
MN	19	10	8	16
MO	69	55	79	67
NE	18	11	23	31
NC	91	85	53	74
ND	17	7	10	14
OH	6	3	14	16
PA	10	5	45	23
SD	18	10	15	19
TN	89	75	92	92
TX	85	79	82	87
WI	13	7	7	12
18 Sts	27	18	27	33
These 18 States harvested 95% of last year's corn acreage.				

Winter Wheat Percent Emerged				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	4	1	1	1
CA	1	0	1	0
CO	52	32	49	58
ID	23	8	21	18
IL	2	0	3	2
IN	3	1	4	4
KS	25	17	34	28
MI	10	2	15	12
MO	2	0	5	4
MT	10	2	48	29
NE	71	50	69	65
NC	1	*1	3	3
OH	0	0	8	4
OK	47	29	44	25
OR	16	8	4	9
SD	33	17	44	48
TX	35	21	36	28
WA	40	36	63	61
18 Sts	31	20	36	29
These 18 States planted 90% of last year's winter wheat acreage.				

# Crop Progress and Condition

Week Ending October 5, 2003

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

Cotton Percent Bolls Opening				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AL	91	89	94	91
AZ	99	99	100	99
AR	87	84	97	96
CA	85	75	90	86
GA	85	74	90	87
LA	98	95	98	99
MS	93	90	96	99
MO	82	70	94	98
NC	82	65	95	89
OK	90	80	78	89
SC	66	47	78	83
TN	83	73	97	98
TX	62	57	83	84
VA	61	54	90	81
14 Sts	76	70	89	89

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

Cotton Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AL	11	5	20	30
AZ	11	8	24	19
AR	22	11	16	36
CA	5	0	5	5
GA	15	8	19	18
LA	60	34	41	64
MS	45	30	27	51
MO	12	3	27	43
NC	2	0	15	11
OK	10	5	19	17
SC	5	1	17	20
TN	12	7	19	41
TX	23	21	27	32
VA	1	0	26	17
14 Sts	21	15	23	31

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

Rice Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	86	73	80	86
CA	40	25	66	48
LA	97	96	96	98
MS	85	75	79	85
MO	68	49	63	70
TX	99	98	100	99
6 Sts	80	69	81	82

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

Sorghum Percent Coloring				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	100	97	81	91
IL	94	93	99	97
KS	94	90	95	99
LA	100	100	100	100
MO	98	96	100	100
NE	98	94	99	99
NM	85	73	90	89
OK	93	89	87	94
SD	100	100	100	99
TX	80	76	94	97
11 Sts	90	86	94	98

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

Sorghum Percent Mature				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	100	100	99	99
CO	74	58	46	52
IL	67	48	92	84
KS	61	50	73	85
LA	100	100	100	100
MO	79	69	90	90
NE	67	51	88	89
NM	27	7	33	33
OK	73	60	79	71
SD	90	71	71	81
TX	65	61	84	88
11 Sts	66	57	78	84

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

Sorghum Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AR	93	86	92	95
CO	19	5	16	15
IL	7	5	36	30
KS	25	17	35	43
LA	99	97	92	98
MO	47	36	66	58
NE	13	7	30	28
NM	3	2	2	3
OK	36	30	61	39
SD	38	16	19	28
TX	60	58	70	76
11 Sts	42	36	52	56

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

Peanuts Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
AL	64	44	39	44
FL	65	45	52	53
GA	45	26	38	42
NC	10	3	23	19
OK	20	7	29	21
TX	6	4	10	21
VA	21	10	38	45
7 Sts	36	22	31	36

These 7 States harvested 98% of last year's peanut acreage.

Sugar Beets Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
ID	12	NA	9	15
MI	5	NA	6	25
MN	54	NA	40	39
ND	59	NA	47	44
4 Sts	40	NA	30	33

These 4 States planted 81% of last year's sugar beet acreage.

Sunflowers Percent Harvested				
	Oct 5 2003	Prev Week	Prev Year	5-Yr Avg
CO	18	NA	15	9
KS	27	NA	21	33
ND	11	NA	6	9
SD	32	NA	16	24
4 Sts	17	NA	10	14

These 4 States harvested 89% of last year's sunflower acreage.

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	4	22	54	20
CO	11	41	37	10	1
IL	1	19	38	35	7
KS	24	37	28	10	1
LA	0	2	34	59	5
MO	6	22	41	27	4
NE	19	31	35	14	1
NM	12	45	27	14	2
OK	3	30	39	27	1
SD	30	13	30	25	2
TX	10	24	34	27	5
11 Sts	16	30	31	20	3
Prev Wk	15	28	34	20	3
Prev Yr	NA	NA	NA	NA	NA

# Crop Progress and Condition

Week Ending October 5, 2003

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

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	5	11	24	48	12
IL	2	6	24	52	16
IN	5	9	23	47	16
IA	6	15	36	36	7
KS	20	25	34	18	3
KY	1	4	21	37	37
MI	2	7	33	47	11
MN	8	17	43	30	2
MO	23	24	29	19	5
NE	14	13	23	33	17
NC	1	5	29	45	20
ND	9	19	35	35	2
OH	3	6	23	47	21
PA	5	7	20	38	30
SD	8	14	26	39	13
TN	2	3	15	56	24
TX	17	19	32	28	4
WI	11	24	34	28	3
18 Sts	8	13	29	38	12
Prev Wk	8	14	29	38	11
Prev Yr	12	17	27	34	10

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	4	22	57	15
AZ	0	2	29	21	48
AR	1	6	24	49	20
CA	0	0	15	55	30
GA	1	6	26	52	15
LA	0	1	15	56	28
MS	2	6	15	44	33
MO	3	8	36	45	8
NC	7	11	37	41	4
OK	7	14	46	27	6
SC	0	2	26	70	2
TN	0	3	18	60	19
TX	18	23	37	17	5
VA	0	10	27	49	14
14 Sts	8	13	29	37	13
Prev Wk	8	12	31	36	13
Prev Yr	6	14	30	36	14

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	4	22	56	16
FL	1	1	18	55	25
GA	0	2	21	57	20
NC	1	3	30	63	3
OK	0	9	39	46	6
TX	1	3	27	46	23
VA	0	5	32	46	17
8 Sts	1	3	24	54	18
Prev Wk	1	4	26	50	19
Prev Yr	5	13	36	37	9

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	7	26	43	22
IL	5	12	37	40	6
IN	7	12	31	42	8
IA	14	30	40	15	1
KS	15	32	39	13	1
KY	0	2	15	52	31
LA	4	11	24	54	7
MI	4	15	36	40	5
MN	10	25	45	19	1
MS	0	2	17	46	35
MO	19	27	32	18	4
NE	13	25	35	21	6
NC	4	5	28	57	6
ND	5	12	37	43	3
OH	3	9	32	41	15
SD	10	15	36	35	4
TN	0	1	14	54	31
WI	17	31	33	17	2
18 Sts	9	18	35	31	7
Prev Wk	9	18	34	32	7
Prev Yr	9	16	30	36	9

Pasture and Range Crop Condition by Percent											
Week Ending October 5, 2003											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	2	5	34	53	6	NH	0	3	29	58	10
AZ	16	23	31	20	10	NJ	0	0	30	70	0
AR	1	8	32	54	5	NM	48	28	23	1	0
CA	35	50	15	0	0	NY	1	8	27	46	18
CO	22	31	34	13	0	NC	0	3	23	70	4
CT	0	3	34	57	6	ND	21	37	29	13	0
DE	4	8	13	65	10	OH	2	4	17	55	22
FL	0	1	20	64	15	OK	5	18	38	32	7
GA	1	10	39	46	4	OR	13	36	45	6	0
ID	11	48	37	4	0	PA	5	12	21	43	19
IL	3	12	38	41	6	RI	0	0	5	83	12
IN	2	7	25	56	10	SC	0	11	20	64	5
IA	30	31	30	9	0	SD	22	35	28	14	1
KS	21	30	35	12	2	TN	0	4	22	58	16
KY	1	2	21	61	15	TX	10	17	34	30	9
LA	1	9	50	38	2	UT	9	23	41	27	0
ME	0	6	35	44	15	VT	5	18	61	15	1
MD	2	8	20	50	20	VA	0	2	17	54	27
MA	0	0	13	87	0	WA	16	36	41	7	0
MI	11	29	38	21	1	WV	0	2	28	56	14
MN	20	31	35	14	0	WI	16	33	33	17	1
MS	1	8	29	54	8	WY	10	23	45	21	1
MO	7	16	41	32	4	48 Sts	14	22	30	28	6
MT	39	35	21	5	0						
NE	30	34	27	9	0	Prev	14	22	29	29	6
NV	10	40	35	15	0	Prev	22	23	31	21	3

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

\* - Revised; NA - Not Available

National crop conditions for selected States are weighted based upon the year 2002 planted acres.

## State Agricultural Summaries

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

**ALABAMA:** Days suitable for fieldwork 6.7. Topsoil 4% very short, 24% short, 71% adequate, 1% surplus. Corn 88% harvested, 88% 2002, 90% avg.; 1% very poor, 4% poor, 12% fair, 50% good, 33% excellent. Soybeans 67% dropping leaves, 75% 2002, 72% avg.; 7% harvested, 15% 2002, 17% avg.; 0% very poor, 1% poor, 12% fair, 59% good, 28% excellent. Pasture feed 2% very poor, 5% poor, 34% fair, 53% good, 6% excellent. Livestock condition 0% very poor, 4% poor, 19% fair, 50% good, 27% excellent. Dry weather patterns exist over much of the state.

**ALASKA: DATA NOT AVAILABLE**

**ARIZONA:** Temperatures for the State were above average for the week. Cotton bolls opening is virtually complete. Cotton harvested was reported at 11%, behind last years 24%, five-year average of 19%. Alfalfa conditions were mostly good to excellent, with harvest progressing at a normal rate. Precipitation was reported at 7 of the 18 reporting stations. Precipitation ranged from 0.01 inches at Willcox and 0.77 inches at Canyon De Chelly.

**ARKANSAS:** Days suitable for fieldwork 7. Soil 6% very short, 33% short, 60% adequate, 1% surplus. Corn 99% Harvested, 96% 2002, 98% 5- yr avg. Soybeans 75% Yellowing, 78% 2002, 70% 5- yr avg.; 51% Shedding, 56% 2002, 63% 5- yr avg.; 37% Matured, 39% 2002; 26% Harvested, 23% 2002, 25% 5- yr avg.; 2% very poor, 7% poor, 26% fair, 43% good, 22% excellent. Sorghum 93% Harvested, 92% 2002, 95% 5-yr avg. Cotton 87% opening bolls, 97% 2002, 96% 5-year avg.; 22% Harvested, 16% 2002, 36% 5- yr avg.; 1% very poor, 6% poor, 24% fair, 49% good, 20% excellent. Rice 86% Harvested, 80% 2002, 86% 5- yr avg. Wheat 12% Planted, 6% 2002, 5% 5- yr avg.; 4% Emerged, 1% 2002, 1% 5- yr avg. Hay -other: 0% very poor, 6% poor, 36% fair, 55% good, 3% excellent. Hay - Alfalfa 0% very poor, 6% poor, 37% fair, 54% good, 3% excellent. Pasture, Range 1% very poor, 8% poor, 32% fair, 54% good, 5% excellent. Fall has arrived with much cooler weather. Harvest is winding up for corn, sorghum, rice. Cotton is being harvested in the southeast, southwest, east central parts of the state. Late planted cotton, specifically in the northeastern part of the state, has yet to be defoliated. Cool temperatures in this area of the state have slowed cotton bolls from opening. Warm weather, sunshine are needed to help mature the cotton in the northeast. Some producers are beginning to apply boll opening agents. Late soybeans are being scouted, sprayed for insects. Land preparation is being made for winter wheat. Livestock were reported to be in good condition. Continuing final hay harvest of both warm, cool season grasses. Producers are planting cool season forages, annuals for pastures. Producers are culling cattle, selling calves. Preparations are being made for fall brucellosis eradication clinics.

**CALIFORNIA:** Cotton defoliation continued in most locations as growers prepared for harvesting. Harvesting was already underway in some parts of the southern San Joaquin Valley. Activity increased in fields intended for grain crops, as discing, leveling, herbicide applications, pre-plant irrigation were underway in many areas. Grain planted for winter forage was showing good development. Sorghum was beginning to head out. Some harvested grain fields were used for grazing, while others were temporarily left fallow. Alfalfa hay was cut, windrowed, baled, stacked. Irrigation was ongoing in maturing alfalfa hay fields. Corn for feed, human consumption was harvested in several areas. Harvesting of blackeye beans, sugar beets continued. Harvesting of rice continued, but was moving slowly in a few locations due to green rice, high moisture content of the kernel. Baling, discing of rice straw was in progress, with burning taking place in several fields. Harvesting of sweet potatoes continued. Raisin grape harvesting neared completion with approximately 95% of the crop picked, 10%

drying on open trays, 40% of the trays rolled, nearly 50% of the crop picked up, put in bins. Picking, packing of table grapes continued with Crimson, Thompson Seedless, Red Globe, Christmas Rose, Autumn Royal the primary varieties harvested. Plastic covers were placed over the vines in a few late season table grape vineyards to protect the fruit from potential rain damage. Harvesting of wine, juice grapes continued. Fruit in dried on the vine raisin vineyards was drying steadily. Stone fruit harvesting was winding down, but a few orchards continued to produce an assortment of fruit. Varieties picked, packed included September Sweet peaches, October Sun, Snow Fall, Angelino plums, Autumn White nectarines. Many harvested tree fruit orchards were irrigated, cultivated. Tree fruit varieties harvested included Granny Smith apples, Wonderful, Foothill pomegranates, figs, Shinko Asian pears. Kiwifruit harvesting commenced in Tulare County. Bartlett pear harvesting was complete in Lake County. Strawberry plants continued to grow steadily in Fresno County, were being irrigated, weeded. A small number of Valencia oranges continued to be harvested. Olive harvesting was ongoing in a number of orchards. Lemons were harvested in the Coachella Valley, grapefruit harvest continued in the southern coastal areas of the State. Chandler pummelos were harvested in Tulare County. Citrus orchards were irrigated, treated to control insect pests. Almond harvesting slowed as the season wound down. In areas where harvesting continued, trees were shaken, nuts were raked into windrows, picked up, hauled to processors. Walnuts, pistachios were harvested, hauled to processors. Pecans were nearing maturity with some hull split starting on early Pawnee varieties. Irrigation, treatments to control insect pests were underway in nut orchards as needed. Cooler weather, shorter days signaled the conclusion of the summer vegetable season. Fields of bell peppers, eggplant, green beans, sweet corn in the Central Valley were being harvested for wholesale markets. Melon harvesting was winding down. Harvesting activity continued in the remaining fields of processing tomatoes, garlic. Fields of late variety fresh market tomatoes were maturing well, nearly ready for harvest. String beans, bitter melons, cucumbers, squash, okra were being harvested in large quantities. Mini, standard pumpkins are starting to fill local fruit stands. Fall sweet corn harvesting was expected to begin in one to two weeks. Planting of fall, winter broccoli, spinach was ongoing. Many fields continued to be prepared for the fall harvest with already planted fields being cultivated, irrigated, treated to control insect pests as needed. Carrot, potato harvesting continued in southern areas. A considerable number of fields were being bedded up for spring, winter vegetables. The following vegetables were also harvested: basil, bok choy, cauliflower, celery, green onions, long beans, moqua, okra, ong choy, parsley, hot peppers, spinach, yam leaves. Fall calving of beef cows continued on irrigated, non-irrigated pastures. Supplemental feeding of cattle was increasing on foothill pastures. Cooler weather was proving beneficial to the State's milk production. Sheep were grazing in melon fields, harvested grain fields, in a few recently cut alfalfa hay fields in the central area. Feeder lambs continued to arrive in the Imperial Valley for the upcoming winter alfalfa grazing season. Young turkeys were being moved to production facilities in central state to be fed for the upcoming holidays.

**COLORADO:** Days suitable for field work 6.0. Top soil 32% very short, 38% short, 30% adequate, 0% surplus. Subsoil 41% very short, 36% short, 23% adequate, 0% surplus. Near ideal harvest weather continued through most of the week with cooler but near seasonal temperatures. Precipitation was very limited except in the San Luis Valley which slowed harvested activities. Sunflower 18% harvested, 15% 2002, 9% avg.; 4% very poor, 17% poor, 40% fair, 30% good, 9% excellent. Alfalfa 90% 3rd cutting, 85% 2002, 88% avg.; 34% 4th cutting, 37% 2002, 34% avg.; 3% very poor, 10% poor, 24% fair, 46% good, 17% excellent. Dry beans 91% cut, 94% 2002, 97% avg; 75% harvested, 82% 2002, 85% avg.; 6% very poor, 8% poor, 34% fair, 40% good, 12% excellent. Sugar beets 9% harvested, 2% 2002, 9%

avg.; 2% poor, 4% fair, 64% good, 30% excellent. Fall potatoes 70% harvested, 48% 2002, 71% avg.; 7% poor, 33% fair, 48% good, 12% excellent. Dry onions 90% harvested, 77% 2002, 83% avg.

**DELAWARE:** Days suitable for fieldwork 6.3. Topsoil 2% short, 88% adequate, 10% surplus. Subsoil 94% adequate and 6% surplus. Corn 5% very poor, 10% poor, 43% fair, 31% good, 11% excellent; 97% mature, 98% 2002, 91% avg.; 59% harvested for grain, 74% 2002, 56% avg. Soybean 7% poor, 13% fair, 47% good, 33% excellent; 50% turning color, 67% 2002, 60% avg.; 28% dropping leaves, 45% 2002, 40% avg. Sorghum 80% coloring, 76% 2002, 85% avg.; 55% mature, 58% 2002, 55% avg.; 20% harvested, 26% 2002, 11% avg. Barley 15% planted, 26% 2002, 22% avg. Winter wheat 8% planted, 16% 2002, 7% avg. Pasture feed 4% very poor, 8% poor, 13% fair, 65% good, 10% excellent. Other hay 4th cutting 44%, 31% 2002, 48% avg. Alfalfa hay 4th cutting 56%, 60% 2002, 76% avg. Corn silage 70% harvested, 93% 2002, 91% avg. Hay supplies 22% very short, 27% short, 43% adequate, 8% surplus. Some state farmers received their first frost late last week. Damage from the frost is minimal to corn, soybeans. Corn for grain harvest is advancing quickly along with corn for silage harvest. Lodging in some fields has made the harvest pace slower than normal. Soybeans are turning color, dropping their leaves. Harvest is still a week or so weeks away. Sorghum harvest has begun with 20% harvested. Planting of barley has increased while planting of wheat is slightly behind because of late harvest of corn, soybeans.

**FLORIDA:** Topsoil 1% very short, 14% short, 55% adequate, 30% surplus. Subsoil 10% short, 55% adequate, 35% surplus. Temperature average: normal to 5° below, major cities. Daytime highs: 70, 80s; Bronson, Miami, Umatilla recorded at least one high in 90s. Nighttime lows: 60s, 70s; several Panhandle, a few northern Peninsula localities recorded at least one low in 50s. Rainfall range: none several localities to about 3.00 in. or more Alachua, Daytona Beach, Miami; most reports 0.25 to 2.00 in. Drier conditions over Panhandle, most northern Peninsula localities allowed field work to progress rapidly. Drier weather, Panhandle, some northern Peninsula localities, lowered soil moisture supplies; ratings range very short to mostly adequate. Wetter conditions, central, southern Peninsula, increased most soil moisture; supplies rated mostly adequate to surplus. Supplies very short to short for small southeastern Peninsula area. Peanut feed 1% very poor, 1% poor, 18% fair, 55% good, 25% excellent. Peanuts 65% harvested, 52% 2002, 53% 5-yr avg. Mostly dry weather, Panhandle, several northern Peninsula localities, hardening soils, making peanut digging more difficult. Clear weather allowing peanut harvesting to progress at rapid pace. Some northern producers trying to bale last hay cut. Cotton picking slowly gaining momentum, Panhandle. Sugarcane in good condition, Everglades; harvesting getting underway soon. Tomato picking slowly increasing, Quincy; getting underway, southern Peninsula. Cabbage, fall vegetable planting active, St. John's County. Okra harvesting continues, Dade County. Other vegetables available: very light amounts of cucumbers, Bell peppers. Vegetable planting continues, southern Peninsula; rainfall delayed some activity. Heavy rainfall with a tropical system in southwestern coastal, interior citrus areas; heavy rainfall early in week, dry rest of week; temperatures slightly cooler; growers maintaining middles, ditches to keep water moving; mowing, discing to control cover crops; spraying between rains. Majority of trees in excellent condition with good fruit sizes reported; natural color break on early varieties. Packing houses open, packing early oranges, grapefruit, tangerines. Pasture feed 1% poor, 20% fair, 64% good, 15% excellent. Cattle condition 10% fair, 75% good, 15% excellent. Panhandle, North: last cutting of hay being made, permanent pasture grass growth stopped seasonally, most places, due to cooler temperatures; land preparation active for planting cool season forage small grains. Rain needed for newly planted forage. Madison County: armyworm damage, disease pressure in forages; grass growth slow, dry soil condition. Southwest: pastures very wet; cattle have ample grass. Statewide: cattle fair to excellent, with most in good condition.

**GEORGIA:** Days suitable for field work 6.6. Soil moisture 9% very short, 47% short, 43% adequate, 1% surplus. Hay 2% very poor, 9% poor, 40% fair, 45% good, 4% excellent. Peanuts 61% dug, 55% 2002,

60% avg. Rye 20% planted, 22% 2002, 21% avg. Sorghum 1% very poor, 5% poor, 30% fair, 49% good, 15% excellent; 60% harvested for grain, 51% 2002, 53% avg. Other small grains 14% planted, 14% 2002, 14% avg. Apples 7% poor, 21% fair, 58% good, 14% excellent; 57% harvested, 64% 2002, 65% avg. Pecans 1% very poor, 12% poor, 35% fair, 46% good, 6% excellent; 1% harvested, 2% 2002, 1% avg. Dry weather conditions returned last week. Ideal weather for harvesting crops, but harmful to late planted cotton, soybeans. Hay harvesting continued for many hay producers, however, quality was poor due to over maturity. Hay feeding continued to increase. Rain was needed to plant fall crops, revive soil moisture. Growers continued to dig, combine peanuts. Cotton producers began defoliating the majority of the cotton crops. In the southern part of the State, farmers irrigated late peanuts, fall squash. Cooler weather slowed maturity of late cotton, peanuts. Some early varieties of pecans were harvested in south state. Fields were sprayed for insect control, weed prevention. Activities: Routine care of livestock, poultry.

**HAWAII:** A storm system north of the State continued to disrupt normal trade winds, bring southerly winds, high temperatures and humidity to all islands. Banana harvest remained active. Papaya orchards were in fair to good condition with steady harvest. Vegetable crops remained in mostly fair to good condition.

**IDAHO:** Days suitable for fieldwork 6.90. Topsoil 38% very short, 42% short, 20% adequate. Favorable weather conditions this first week of October helped producers gain momentum on crop harvest. Irrigation Water Supply is 18% very poor, 19% poor, 34% fair, 28% good, 1% excellent. Potatoes 57% Harvested, 49% 2002, 48% avg.; 0% very poor, 2% poor, 21% fair, 70% good, 7% excellent. Apples 32% Harvested, 27% 2002, 32% avg. Alfalfa Hay 3<sup>rd</sup> Cutting Harvested 94%, 96% 2002, 94% avg.; 4<sup>th</sup> Cutting Harvested 74%, 73% 2002, 61% avg. Dry Beans 93% Harvested, 95% 2002, 92% avg. Onions 92% Harvested, 92% 2002, 73% avg. Field Corn Harvested for Silage 92%, 74% 2002, 75% avg.; 11% Harvested for Grain, 1% 2002, 8% avg. Sugarbeets 12% Harvested, 9% 2002, 15% avg. Activities: Irrigating, caring of livestock, harvesting hay, apples, dry beans, corn for silage, grain, potatoes, onions, sugarbeets, winter wheat seeding.

**ILLINOIS:** Days suitable for fieldwork 5.9. Topsoil 6% very short, 24% short, 67% adequate, 3% surplus. The return of cold weather to the state last week brought crop damaging frost to many areas. Southern state crops were most vulnerable with double crop soybeans, late planted crops being the big losers. The total effect of the early freeze will only be known once harvest has been completed. Harvest conditions were good last week as many farmers began to focus their attention on harvesting their soybean crop. Farmers reported that the later beans were yielding better than their early beans but still well below average, less than expected. Corn yields continue to be reported "much better than expected" which is causing downward price pressure to the point where Loan Deficiency Payments became available late last week. Cattle prices continued their rise to record levels last week on shorter supplies, increased consumer demand. Livestock are not currently under any stress, but in some areas the dry summer has resulted in feeding hay, silage earlier than normal.

**INDIANA:** Days suitable for fieldwork 4.9. Topsoil 1% very short, 6% short, 80% adequate, 13% surplus. Subsoil 4% very short, 9% short, 78% adequate, 9% surplus. Corn, soybean harvest is gaining momentum as corn, soybean fields mature. Field activities slowed by rain, wet soil conditions early in the week, again during the weekend. Precipitation less than an inch, most areas. Corn, soybean harvest advanced in fields dry enough to support heavy equipment. Cool week. First major frost of the fall season, statewide. Temperatures averaged from 10° to 17° below normal for the week. Precipitation averaged 0.03 to 0.96 inches. Seed corn harvest continued. Corn condition 63% good to excellent, 27% year ago. Soybean plants rapidly dropping leaves, maturing. Soybean 50% good to excellent, 32% a year ago. Fourth cutting of Alfalfa continued on some farms. Soybeans 66% mature, 73% 2002, 84% avg. Tobacco 91% harvest, 92% 2002, 94% avg. Pastures 2% very poor, 7% poor, 25% fair, 56% good, 10% excellent. Livestock are in mostly good condition. Activities: Mowing,

baling hay, spreading fertilizer, lime, tilling soils, chopping stalks, moving grain to market, hauling manure, preparing equipment for harvest, taking care of livestock.

**IOWA:** Days suitable for fieldwork 6.7. Topsoil 39% very short, 37% short, 24% adequate, 0% surplus. Subsoil 51% very short, 37% short, 12% adequate, 0% surplus. Combines were rolling across state last week as 36% of the state's soybeans were harvested. Corn harvest continued as well, but it was delayed by grain moisture. Activities: Fall application of fertilizer, tillage of bean stubble. Most of the state experienced a hard frost around mid-week. Widespread concerns regarding dry subsoil conditions were cited. Field Crops Report: The corn acreage in mature stage was 97%, similar to last year, the 5-year average of 98%. The corn acreage harvested for grain or seed was 17%, ahead of last year's progress of 13% but four days behind the 5-year average of 22% harvested. The percent moisture of field corn was 23%, while the percent moisture of harvested corn was 19%. Corn lodging 58% none, 30% light, 10% moderate, 2% heavy. Corn ear droppage 66% none, 29% light, 4% moderate, 1% heavy. Corn 6% very poor, 15% poor, 36% fair, 36% good, 7% excellent. The soybean acreage dropping leaves was 97%, equivalent to last year's progress but four days ahead of the 5-year average of 94% dropping leaves. The soybean acreage harvested was 56%, ahead of last year's progress of 25%, four days ahead of the 5-year average of 42% harvested. Soybean lodging 72% none, 24% light, 3% moderate, 1% heavy. Soybean shattering 64% none, 28% light, 6% moderate, 2% heavy, 14% very poor, 30% poor, 40% fair, 15% good, 1% excellent. Livestock, Pasture, Range Report: Overall, livestock conditions were reported as good, but respiratory diseases were a concern due to dusty feedlots. Early weaning of calves continued, cows were let out to feed on corn stalks. Pasture, range feed 30% very poor, 31% poor, 30% fair, 9% good, 0% excellent.

**KANSAS:** Days suitable for fieldwork 5.1. Topsoil 10% very short, 21% short, 63% adequate, 6% surplus. Subsoil 26% very short, 29% short, 45% adequate. Sunflowers 96% avg.; 96% bracts yellow 2002, 98% avg.; 70% mature, 65% 2002, 77% avg.; 27% harvested, 21% 2002, 33% avg.; 13% very poor, 22% poor, 38% fair, 22% good, 5% excellent. Alfalfa 4th cutting 68%, 72% 2002, 86% average. Cotton 51% bolls opening.; 1% very poor, 11 poor, 36% fair, 47% good, 5% excellent. Wheat seeding, corn harvest made good progress, are both ahead of the average. Sorghum, soybean harvest continues behind average, mostly due to late development. Pasture feed 21% very poor, 30% poor, 35% fair, 12% good, 2% excellent. Hay, forage supplies 7% very short, 20% short, 71% adequate, 2% surplus.

**KENTUCKY:** Days suitable for fieldwork 5.3. Topsoil 7% short, 83% adequate, 10% surplus. Subsoil 1% very short, 8% short, 82% adequate, 9% surplus. Cool temperatures brought first scattered frost across the north. Rainfall statewide was 0.27 inches which was 0.43 inches below average. The central part of the State received the least rain, overall it only slightly slowed corn harvesting progress in state. Soybeans safe from frost damage 80%. Burley tobacco not ready for stripping 84%, ready for stripping 13%, 3% stripped. Burley tobacco cut 96%, 99% 2002, 98% avg. Dark tobacco cut 95%, 99% 2002, 98% avg. Tobacco in the barn condition 6% poor, 23% fair, 53% good, 18% excellent. Winter wheat 10% seeded, 11% 2002, 15% avg. Pasture feed 1% very poor, 2% poor, 21% fair, 61% good, 15% excellent. Activities: Cutting, housing tobacco, harvesting corn, soybeans, seeding winter grains.

**LOUISIANA:** Days suitable for fieldwork 6.8. Soil 3% very short, 27% short, 69% adequate, 1% surplus. Excellent weather conditions made for increased field activity with harvests progressing very well. Hay 2nd cutting 99%, 99% last week, 95% 2002, 94% avg. Pecans 1% harvested, 0% last week, 3% 2002, 4% avg. Rice harvest neared completion as some areas prepared for second crop harvest. Soybeans 97% turning color, 84% last week, 87% 2002, 95% avg. Sugarcane 6% poor, 31% fair, 39% good, 24% excellent; 98% planted 96% last week, 96% 2002, 95% avg.; 10% harvested, 5% last week, 9% 2002, 9% avg. Sweet potatoes 61% harvested, 47% last week, 51% 2002, 54% avg. Wheat 4% planted, 1% last week, 9% 2002, 9%

avg. Livestock 2% poor, 32% fair, 56% good, 10% excellent. Vegetables 3% very poor, 17% poor, 58% fair, 22% good.

**MARYLAND:** Days suitable for fieldwork 5.4. Topsoil 2% short, 62% adequate, 36% surplus. Subsoil 71% adequate, 29% surplus. Apples 50% harvested, 67% 2002, 57% avg. Barley 21% planted, 50% 2002, 32% avg. Corn 7% very poor, 13% poor, 24% fair, 36% good, 20% excellent; 88% mature, 96% 2002, 93% avg.; 32% harvested for grain, 69% 2002, 49% avg.; 63% silage harvested, 98% 2002, 88% avg. Soybean 5% very poor, 10% poor, 25% fair, 39% good, 21% excellent; 66% turning color, 85% 2002, 76% avg.; 27% dropping leaves, 62% 2002, 50% avg. Sorghum 81% coloring, 81% 2002, 89% avg.; 49% mature, 50% 2002, 52% avg.; 20% harvested, 19% 2002, 26% avg. Tobacco stripped 5%, 2% 2002, 1% avg. Other Hay 4th cutting 39%, 39% 2002, 66% avg. Alfalfa Hay 4th cutting 52%, 80% 2002, 76% avg. Pasture feed 2% very poor, 8% poor, 20% fair, 50% good, 20% excellent. Hay supplies 19% very short, 25% short, 56% adequate. Cooler air temperatures entered the region last week, along with the first frost of the season. Corn for grain harvest increased to 32%, corn for silage 63%. Lodging in some corn fields is making it difficult to harvest. Soybeans are turning color, dropping leaves. A few fields were harvested for beans. Tobacco, vegetable harvest is complete. Apple harvest pace picked up with farmers trying to get their crop in before the first killing frost.

**MICHIGAN:** Days suitable for fieldwork 4.0. Topsoil 3.0% very short, 16% short, 71% adequate, 10% surplus. Subsoil 14% very short, 44% short, 40% adequate, 2.0% surplus. All hay 3rd cutting 89%, 92% 2002, 94% avg.; 4th cutting 21%, 38% 2002, 47% avg. Corn 97% dent, 100% 2002, 98% avg. Dry beans 89% harvested, 84% 2002, 73% avg. Silage 87% harvested, 92% 2002, 87% avg. The week brought a variety of weather conditions across State. Many districts received their first killing frost, some areas reported first snow as well. Temperatures far below normal, ranged from 11° below normal eastern Upper Peninsula, west central Lower Peninsula to 13° below normal southwest, south central Lower Peninsula. Most of State continued to receive much needed rainfall, although wet conditions hampered fieldwork. Precipitation amounts ranged from 0.29 inches southeast Lower Peninsula to 2.01 inches northwest Lower Peninsula. Corn silage, corn grain harvest taking place as weather permitted. Some green corn, silage killed by frost some areas around State. Corn silage harvest near completion. Some farmers still trying to get a third cutting of hay. Winter wheat planting is well underway. Some areas around State reported soybeans coming out of fields at 15% moisture, causing some producers to hold off on harvest. Sugarbeet harvest underway, rain improved soil condition for harvest. Apple harvest continued. Fruit maturation slow due to cool weather. Color, size excellent across State. Golden Delicious harvest continued southwest, began southeast, expected to begin this week west central. Empire harvest almost complete southwest. Spot picking continued southeast. Red Delicious harvest continued southwest, expected to begin 7 days southeast. Gala harvest complete southwest, southeast, continued west central, northwest. Jonagold harvest finishing up southwest and continued southeast. Northern Spy harvest continued southwest. McIntosh harvest complete on Ridge, continued west central. Niagara grape harvest complete. Wine grape harvest continued. Frost on October 1 appears to have seriously impacted Concord grape crop. Frost ended vegetable growing season many districts. West central, wet weather slowed carrot harvest, winter squash, pumpkin harvest full swing. Growers in district reported average to below average yields. Harvest of cucurbit crops wrapped up southwest, some tomatoes still being harvested. In southeast, frost brought end to tomato harvest. Many farmers had some of crop left in field. Pumpkin harvest picked up, pepper harvest completed in district.

**MINNESOTA:** Days suitable for fieldwork 6.5. Topsoil 16% very short, 43% short, 41% adequate, 0% surplus. Corn 99% cut for silage, 93% 2002, 96% avg.; 22%, 24% 2002, 22% avg. Soybeans 99% mature, 92% 2002, 91% avg.; 12% moisture 13% 2002, 12% avg. Potatoes 80% harvested, 67% 2002, 70% avg. Dry beans 86% harvested, 67% 2002, 78% avg. Sugarbeets 54% harvested, 40% 2002, 39% avg. Pasture feed 20% very poor, 31% poor, 35% fair, 14% good, 0% excellent. Sugarbeets 2% very poor, 9% poor, 38% fair, 38%

good, 13% excellent. Sunflowers 2% very poor, 9% poor, 31% fair, 55% good, 3% excellent. Soybean harvest is running well ahead of the five year average. Most of the state received a hard frost early last week. The statewide average temperature for the week was 43.2 degrees, which is 9.0 degrees below normal.

**MISSISSIPPI:** Days suitable for fieldwork 7. Soil 5% very short, 28% short, 64% adequate, 3% surplus. Corn 98% harvested, 97% 2002, 98% avg. Cotton 93% open bolls, 96% 2002, 99% avg.; 45% harvested, 27% 2002, 51% avg.; 2% very poor, 6% poor, 15% fair, 44% good, 33% excellent. Rice 100% mature, 100% 2002, 99% avg.; 85% harvested, 79% 2002, 85% avg. Sorghum 99% harvested, 99% 2002, 99% avg. Soybeans 98% turning color, 96% 2002, 97% avg.; 91% shedding leaves, 89% 2002, 92% avg.; 75% harvested, 50% 2002, 61% avg. Wheat 34% planted, 12% 2002, 15% avg.; 17% emerged, 5% avg. Hay 99% harvested (warm season), 98% 2002, 97% avg. Sweetpotatoes 65% harvested, 45% 2002, 54% avg.; 10% poor, 25% fair, 26% good, 39% excellent. Cattle 1% very poor, 6% poor, 19% fair, 58% good, 16% excellent. Pasture 1% very poor, 8% poor, 29% fair, 54% good, 8% excellent. Excellent weather conditions throughout the week gave way to progress in harvesting crops Statewide. Additionally, cool temperatures, low humidity contributed to intensified planting of seasonal forages.

**MISSOURI:** Days suitable for fieldwork 5.9. Topsoil 5% very short, 13% short, 80% adequate, 2% surplus. Harvesting of corn, rice continues to progress at a normal pace while while soybeans, sorghum, cotton are well behind average. Abnormally cool temperatures, heavy dew slowed the drying of row crops in many areas. Corn ranges from 44% harvested in the northeast district, 53% north-central, to 92% west-central, 97% southeast. Soybeans 44% mature, 59% 2002, 61% avg. Soybean harvesting varies from 7% southwest, south-central to 26% southeast district. Cool weather continues to slow defoliation, drying of cotton, which partly accounts for harvesting being over 2 weeks later than average. Moisture conditions are favorable for getting wheat off to a good start. Pastures 7% very poor, 16% poor, 41% fair, 32% good, 4% excellent, with most areas continuing to show steady improvement from the improved moisture supply. Stock water supplies 8% very short, 25% short, 66% adequate, 1% surplus, with the northwest district showing the most critical rating at 93% short or very short. Rainfall averaged 0.37 inch, ranging by area from no rain reported in the north-central, northeast districts to over 0.70 inch in the west-central, southwest districts.

**MONTANA:** Days suitable for field work 7.0. Topsoil 52% very short, 37% short, 10% adequate, 1% surplus. Subsoil 67% very short, 29% short, 4% adequate, 0% surplus. Weather conditions for the week were warmer temperatures with limited rain. Corn for silage 97% harvested. of the Potato crop 48% harvested, 0% very poor, 1% poor, 7% fair, 62% good, 30% excellent. Sugar beets 22% harvested, 1% very poor, 4% poor, 18% fair, 34% good, 43% excellent. Winter wheat 80% Seeding, 10% emerged. Pasture, Range Feed 39% very poor, 35% poor, 21% fair, 5% good, 0% excellent. Fifty-eight percent of cattle, 53% of sheep have been moved from summer ranges with 20% of cattle, 14% sheep receiving supplemental feed.

**NEBRASKA:** Days suitable for fieldwork 6.5. Topsoil 32% very short, 35% short, 33% adequate, 0% surplus. Subsoil 44% very short, 43% short, 13% adequate, 0% surplus. Temperatures averaged from 2 to 8° below normals for the week. Precipitation was scattered, very light over most of the state. Dry beans 83% harvested, 73% 2002, 83% avg. Alfalfa condition 15% very poor, 23% poor, 34% fair, 25% good, 3% excellent; 4<sup>th</sup> cutting 86% harvested, 83% 2002, 80% avg. Pasture, range feed 30% very poor, 34% poor, 27% fair, 9% good, 0% excellent. Some cattle being moved to stalk fields, others given supplemental feed on pastures.

**NEVADA:** State continued to enjoy Indian Summer conditions with temperatures averaging 6 to 12° above normal statewide. A few isolated showers dropped limited precipitation in the north. Winnemucca recorded .08 inch of rain, Ely .01 inch, and Elko, Reno a trace. The warm, mostly dry weather was helpful to late season farm

activities. Hay harvest continued with the fourth cutting of alfalfa advancing, a few growers were getting a fifth cutting in the south. New alfalfa seeding neared completion. Winter wheat seeding continued. Potato harvest continued. Onion sacks were being moved from the field to shipping plants. Mint distilling continued. Range, pasture feeds showed seasonal decline. Cattle marketing increased with high demand, cows were moving to winter headquarters. Aftermath grazing was underway. Activities: Haying, potato harvest, onion harvest, alfalfa planting, winter wheat planting, livestock marketing.

**NEW ENGLAND:** Days suitable for field work 5.0. Topsoil 0% very short, 3% short, 68% adequate, 29% surplus. Subsoil 0% very short, 4% short, 88% adequate, 8% surplus. Pasture feed 2% very poor, 10% poor, 44% fair, 39% good, 5% excellent. Maine Potatoes 70% harvested, 75% 2002, 70% avg.; condition good. Rhode Island Potatoes 100% harvested, 90% 2002, 85% avg. Massachusetts Potatoes 60% harvested, 70% 2002, 80% avg.; condition good/fair. Maine Oats 95% harvested, 100% 2002, 95% avg. Maine Barley 95% harvested, 100% 2002, 99% avg. Silage Corn 65% harvested, 70% 2002, 70% avg.; condition good/fair. Hay 2nd 99% harvested, 99% 2002, 95% avg.; 3rd 85% harvested, 85% 2002, 80% avg. Sweet Corn 99% harvested, 99% 2002, 99% avg. Apples 70% harvested, 70% 2002, 70% avg.; condition good/fair. Peaches 99% harvested, 100% 2002, 100% avg. Pears 65% harvested, 55% 2002, 70% avg.; condition good/fair. Massachusetts Cranberries 20% harvested, 25% 2002, 30% avg.; condition good. Below average temperatures arrived last week, much rain was received; snow fell in some elevated northern locations. First hard frost hit most areas of state, halting some vegetable harvest. Activities: Cutting haylage, making dry hay; harvesting potatoes, small grains, corn silage, apples, peaches, pears, cranberries, vegetables; finishing desiccating potato vines; spreading manure; applying lime; planting cover crops; monitoring fields; performing general farm maintenance.

**NEW JERSEY:** Days suitable for field work were 6.0. Top soil 70% adequate, 30% surplus. Temperatures were below normal across most of the state for the week. There were measurable amounts of rainfall across most of the state. Activities: Harvesting fruit, vegetables, orchard clean-up, planting cover crops, harvesting corn for grain, silage, baling hay. Leaf drop on soybean plants continued as frost fell in some areas. Planting of small grains began where field conditions allowed. Winter squash exhibited some water stains, phytophthora blight. Sweet potato harvest activities began in some fields. Cranberry harvest started in some bogs. Available pasture continued to be plentiful, but supplemental feeding will be necessary as frost occurs.

**NEW MEXICO:** Days suitable for field work 6.4. Topsoil 53% very short, 24% short, 23% adequate. Overall a warm week for most locations with temperatures averaging 3 to 7° above normal for the western two thirds of the state. Only the far northeast, the far southeast counties reported cooler than average readings as cool air made a few surges south through the eastern plains. A broad upper level disturbance also created several days of unsettled weather during late week that brought rainfall to about 80% of the state with the northwest third of the state receiving the best weekly totals. Wind damage was 1% light, freeze damage was 2% light. Some farmers spent the week finishing up harvesting their alfalfa fields, others report to be maintaining their slow growing crops, hot wiring wheat fields for grazing. Alfalfa 7% very poor, 14% poor, 50% fair, 24% good, 5% excellent. All alfalfa cuttings were behind last years reports with the 5<sup>th</sup> cutting at 95% complete, while the 6<sup>th</sup> was 51% complete, the 7<sup>th</sup> cutting was 9% complete. Cotton conditions reported to be in mostly poor to good condition, with 82% of the bolls opening. Corn remaining in mostly fair to excellent condition, while 97% of the crop was mature, 20% was harvested for grain. Total sorghum conditions remained in mostly very poor to good, 85% was coloring, 27% was mature, 3% was harvested. Total wheat 83% planted, 61% emerged with conditions in mostly very poor to good. Peanuts remained in fair to good condition with 10% of the crop harvested. Chile conditions reported in mostly fair to excellent while the green chile was 92% harvested, the red chile was 13% harvested. Onions 40% planted, apples 83% harvested. Ranchers spent the week contracting, purchasing winter feed while maintaining herds, waters. Cattle 8% very poor, 14% poor, 40% fair,

20% good, 18% excellent. Sheep conditions 12% very poor, 17% poor, 29% fair, 36% good, 6% excellent. Range, pasture feeds 48% very poor, 28% poor, 23% fair, 1% good.

**NEW YORK:** Days suitable 3.9. Topsoil moisture 59% adequate, 41% surplus. Pasture feed 1% very poor, 8% poor, 27% fair, 46% good, 18% excellent. Most areas received first hard frost on 3<sup>rd</sup>. Corn 5% poor, 16% fair, 38% good, 41% excellent. Soybeans 6% poor, 16% fair, 57% good, 21% excellent. Alfalfa 3rd cutting 90% complete, 96% 2002. Silage corn 53% harvested, 76% 2002. Grain corn 7% harvested, 8% 2002. Potato digging 75% complete, 79% 2002. Soybeans 18% harvested, 20% 2002. Dry beans 43% harvested, 37% 2002. Grapes 41% harvested, apples 58%, peaches 93%, pears 89%. Low sugar levels in Concord grapes delayed harvest. Some Long Island grapes harvested for sparkling wines; waiting for optimum flavors, aromas to develop before harvesting for table wine.

**NORTH CAROLINA:** Days suitable for field work 6.2. Soil 0% very short, 17% short, 77% adequate, 6% surplus. This week's weather pattern brought cool, dry conditions for the State. Some of the mountain areas received their first seasonal frost on Friday. The dry weather conditions allowed for an increase in small grain plantings, harvest activities throughout the State. Activities: Moving cattle to fall pastures, defoliating cotton, seeding small grain cover crops, digging, shipping of nursery stock, preparing equipment for winter storage, general farm maintenance.

**NORTH DAKOTA:** Days suitable for fieldwork 6.8. Topsoil 22% very short, 39% short, 38% adequate, 1% surplus. Subsoil 32% very short, 41% short, 27% adequate, 0% surplus. Dry conditions last week enabled producers to make excellent progress harvesting late season crops. Corn for silage 97% chopped, 89% 2002, 88% avg. Dry edible beans 98% were cut, beyond, 94% 2002, 93% avg. 91% harvested, 76% 2002, 82% avg. Potatoes 81% were dug, 77% 2002, 82% avg. Sugarbeets 59% were lifted, 47% 2002, 44% avg. Sunflowers 93% bracts brown, beyond, 90% 2002, 90% avg.; 11% harvested, 6% 2002, 9% avg. Sugarbeets 2% very poor, 4% poor, 20% fair, 62% good, 12% excellent. Sunflower 5% very poor, 18% poor, 32% fair, 39% good, 6% excellent. Stockwater supplies 23% very short, 33% short, 44% adequate, 0% surplus. Pasture, range feeds 21% very poor, 37% poor, 29% fair, 13% good, 0% excellent.

**OHIO:** Days suitable for fieldwork 3.9. Topsoil 0% very short, 0% short, 76% adequate, 24% surplus. Alfalfa hay 4th cutting complete 65%, 75% 2002, 78% avg. Apples harvested fall and winter 57%, 53% 2002, 60% avg. Corn 62% mature, 68% 2002, 79% avg.; 6% harvested for grain, 14% 2002, 16% avg.; 76% silage harvested, 93% 2002, 85% avg. Grapes 45% harvested, 73% 2002, 75% avg. Other hay 3rd cutting complete 89%, 89% 2002, 91% avg. Potatoes 93% harvested, 86% 2002, 92% avg. Processing tomatoes 93% harvested, 95% 2002, 94% avg. Soybeans 89% dropping leaves. 96% 2002, 96% avg.; 62% mature, 74% 2002, 82% avg.; 16% harvested, 30% 2002, 41% avg. Winter wheat 12% planted, 36% 2002, 35% avg. Corn 3% very poor, 6% poor, 23% fair, 47% good, 21% excellent. Hay conditions 4% very poor, 8% poor, 26% fair, 46% good, 16% excellent. Pasture feeds 2% very poor, 4% poor, 17% fair, 55% good, 22% excellent. Soybean conditions 3% very poor, 9% poor, 32% fair, 41% good, 15% excellent. The first fall frost of 2003 struck last week across much of the state of state. Many in the farming community are concerned about crop damage from the early frost. Harvest percentages, for major crops, continue to lag behind due to wet conditions which are keeping equipment out of the fields. In drier parts of the state, farmers harvested corn and beans, planted winter wheat, chopped silage. Vegetable growers harvested squash, bell peppers, cabbage, tomatoes, pumpkins. Fruit producers harvested apples, grapes, while others are preparing to dig sugar beets.

**OKLAHOMA:** Days suitable for fieldwork 4.9. Topsoil 7% very short, 28% short, 62% adequate, 3% surplus. Subsoil 15% very short, 35% short, 49% adequate, 1% surplus. Wheat 95% seedbed prepared, 91% last week, 93% 2002, 92% avg. Rye 96% seedbed prepared, 94% last

week, 98% 2002, 89% avg.; 89% planted, 71% last week, 86% 2002, 63% avg.; 53% emerged, 40% last week, 57% 2002, 34% avg. Oats 77% seedbed prepared, 71% last week, 81% 2002, 81% avg.; 43% planted, 32% last week, 35% 2002, 28% avg.; 23% emerged, 10% last week, 22% 2002, 10% avg. Corn 2% poor, 17% fair, 31% good, 50% excellent; 99% mature, 93% last week, 100% 2002, 99% avg.; 74% harvested, 70% last week, 69% 2002, 88% avg. Soybeans 7% very poor, 12% poor, 38% fair, 37% good, 6% excellent; 68% mature, 59% last week, 70% last year, 73% avg.; 36% harvested, 27% last week, 39% 2002, 45% avg. Peanuts 87% mature, 80% last week, 70% 2002, 64% avg.; 20% dug, 7% last week, 29% 2002, 21% avg. Alfalfa Hay 2% very poor, 11% poor, 45% fair, 36% good, 6% excellent; 89% 4<sup>th</sup> cutting, 84% last week, 95% 2002, 78% avg.; 42% 5<sup>th</sup> cutting, 31% last week, 58% 2002, 34% avg. Other Hay 5% very poor, 20% poor, 41% fair, 30% good, 4% excellent; 83% 2<sup>nd</sup> cutting, 79% last week, 91% 2002, 70% avg. Livestock 1% very poor, 3% poor, 26% fair, 55% good, 15% excellent. Pasture & Range 5% very poor, 18% poor, 38% fair, 32% good, 7% excellent; Livestock conditions ranged from mostly fair to good. Cattle auctions reported a decrease in marketings of steers, heifers less than 800 pounds for the week. The price for feeder steers less than 800 pounds dropped an average of \$1.82 per cwt. from last week, averaged \$100.49 per cwt. The average price for feeder heifers less than 800 pounds was down an average of \$2.68 per cwt. from last week, averaged \$94.13 per cwt.

**OREGON:** Days suitable for fieldwork 7.0. Topsoil 27% very short, 62% short, 11% adequate. Subsoil 44% very short, 40% short, 16% adequate. Winter wheat 46% planted, 26% previous week, 21% 2002, 25% 5-yr avg.; 16% emerged, 8% previous week, 4% 2002, 9% 5-yr avg. Range, Pasture 13% very poor, 36% poor, 45% fair, 6% good. Activities: Daytime temperatures across state cooled somewhat this past week, although conditions remained dry in most areas. High temperatures generally ranged in the eighties, while low temperatures ranged in the upper thirties, forties. Grants Pass, Rome recorded weekly high temperatures in the lower nineties. Malheur, Harney counties reported some light, scattered showers, Union County reported some isolated thunderstorms, which brought some much-needed drought relief. Soil moisture in September ranged from nearly one inch to three inches below normal, according to Climate Prediction Center of National Weather Service. Fall fieldwork continued across state but more rain needed. Third cutting of alfalfa harvested in Harney County. In Malheur County, fourth cutting of alfalfa continued. Silage corn harvest winding down, corn for grain tested for moisture before harvest begins, sugarbeet harvest starting. Sugarbeet harvest also underway in Union County. Fall seeding underway in Wallowa County. In Willamette Valley, fall grain seeding, planting of grass, clover for seed ongoing. In Jackson County, grass, alfalfa being cut for hay, fall grain seeding began. In eastern areas of state, onion harvest well underway. Potato harvest continued in Malheur, Union counties. Willamette Valley growers busy harvesting pumpkins, gearing up for annual hunt for perfect pumpkin. Many fall vegetables still available at local markets, roadside stands. Marion County still has some sweet corn to harvest. In Josephine, Jackson counties, vegetable gardens winding down but still plenty of good vegetables, including lots of pumpkins, at farmers markets, roadside stands. Nurseries busy with fall sales, stock upkeep. Fall shipments of balled, burlaped, potted materials to out-of-state markets underway. Greenhouses getting out fall flower starts, preparing for holiday plants. Commercial Eastern lily bulb harvest, shipping underway. Wine grape harvest continued throughout Willamette Valley, in southern state. Hazelnut harvest well underway. Winter pear harvest in full swing in upper Hood River Valley area. Only late season apples remained to be picked in lower Hood River Valley, in Jackson County. Cranberry harvest began on southern coast where size, color of berries appeared to be mostly excellent. Pasture regrowth remains minimal as dry weather conditions prevailed again last week. As of October 5, nearly 50% of range, pasture land was reported to be in very poor or poor condition across state. Ranchers hopeful that forecasted rain will provide some relief. Calves being weaned. Supplemental feed continued. In eastern state, cows being gathered for fall pastures.

**PENNSYLVANIA:** Days suitable for field work 3.0. Soil 51% adequate, 49% surplus. Corn 96% dough, 97% 2002, 98% avg.; 82% dent, 96% 2002, 91% avg.; 44% mature, 82% 2002, 63% avg.; 10%

harvested, 45% 2002, 23% avg.; 66% silage harvested, 90% 2002, 83% avg.; 5% very poor, 7% poor, 20% fair, 38% good, 30% excellent. Barley 28% planted, 71% 2002, 54% avg.; 15% emerged, 52% 2002, 33% avg. Winter wheat 13% planted, 43% 2002, 29% avg.; 8% emerged, 24% 2002, 14% avg. Soybean 1% very poor, 4% poor, 19% fair, 42% good, 34% excellent; 3% harvested, 13% 2002, 7% avg. Tobacco 98% harvested, 100% 2002, 99% avg. Potatoes 86% harvested, 87% 2002, 74% avg. Alfalfa 3rd cutting 94% complete, 96% 2002, 94% avg.; 4th cutting 42% complete, 62% 2002, 66% avg. Timothy clover 2nd cutting 89% complete, 95% 2002, 95% avg. Apple crop condition 2% poor, 21% fair, 67% good, 10% excellent; 55% harvested complete, 78% 2002, 63% avg. Grapes 22% harvested, 80% 2002, 64% avg. Quality of hay made 15% very poor, 15% poor, 38% fair, 27% good, 5% excellent. Pasture feeds 5% very poor, 12% poor, 21% fair, 43% good, 19% excellent. Activities: Making hay; harvesting corn silage; spreading manure, lime, d fertilizer; caring for livestock; harvesting, processing, canning/freezing fruit, vegetables.

**SOUTH CAROLINA:** Days suitable for field work 6.2. Soil 5% very short, 39% short, 55% adequate, 1% surplus. Corn 97% harvested, 99% 2002, 98% avg. Soybeans 99% pods set, 98% 2002, 99% avg.; 47% turning color, 49% 2002, 44% avg.; 20% leaves dropped, 21% 2002, 18% avg.; 8% mature, 14% 2002, 10% avg.; 1% harvested, 5% 2002, 3% avg.; 5% poor, 20% fair, 61% good, 14% excellent. Sorghum 100% turned color, 100% 2002, 100% avg.; 86% matured, 89% 2002, 84% avg.; 55% harvested, 79% 2002, 63% avg.; 35% fair, 65% good. Cotton 66% bolls opened, 78% 2002, 83% avg.; 5% harvested, 17% 2002, 20% avg.; 2% poor, 26% fair, 70% good, 2% excellent. Peanuts 32% harvested, 36% 2002, 31% avg.; 4% poor, 14% fair, 78% good, 4% excellent. Winter Wheat 22% planted, 17% 2002, 13% avg.; 3% emerged, 4% 2002, 4% avg. Barley 20% planted, 21% 2002, 17% avg.; 5% emerged, 9% 2002, 8% avg. Pastures 11% poor, 20% fair, 64% good, 5% excellent. Rye 19% planted, 17% 2002, 19% avg.; 6% emerged, 9% 2002, 8% avg. Oats 23% planted, 21% 2002, 15% avg.; 5% emerged, 9% 2002, 6% avg. Sweetpotatoes 40% harvested, 49% 2002, 41% avg.; 10% very poor, 39% poor, 39% fair, 12% good. Tobacco 92% stalks destroyed, 87% 2002, 88% avg. Apples 75% harvested, 65% 2002, 68% avg.; 2% poor, 43% fair, 55% good. Livestock 1% poor, 13% fair, 80% good, 6% excellent. Pecans 10% harvested, 10% 2002, 10% avg.; 20% poor, 50% fair, 20% good, 10% excellent. Winter grazings 40% planted, 40% 2002, 39% avg.; 7% emerged, 28% 2002, 25% avg.; 11% very poor, 1% poor, 37% fair, 51% good.

**SOUTH DAKOTA:** Days suitable for fieldwork 6.8. Topsoil 40% very short, 35% short, 25% adequate. Subsoil 44% very short, 36% short, 20% adequate. Feed supplies 8% very short, 27% short, 63% adequate, 2% surplus. Stock water supplies 34% very short, 28% short, 37% adequate, 1% surplus. Winter Wheat 84% seeded, 82% 2002, 82% avg.; 91% Rye seeded, 85% 2002, 87% avg.; 27% emerged, 63% 2002, 56% avg. Sunflower 26% very poor, 28% poor, 29% fair, 16% good, 1% excellent. Soybeans 96% mature, 90% 2002, 88% avg. Sorghum 38% harvested-grain, 19% 2002, 28% avg. Sunflower 91% bracts yellow, 95% 2002, 94% avg.; 80% mature, 65% 2002, 77% avg.; 32% harvested, 16% 2002, 24% avg. Cattle condition 1% very poor, 3% poor, 24% fair, 59% good, 13% excellent. Sheep condition 3% poor, 17% fair, 61% good, 19% excellent. Range, Pasture 22% very poor, 35% poor, 28% fair, 14% good, 1% excellent. Corn silage 98% harvested, 95% 2002, 94% avg. Sorghum silage 97% harvested, 80% 2002, 73% avg. Alfalfa hay 19% very poor, 23% poor, 34% fair, 21% good, 3% excellent. Alfalfa hay 3rd cutting harvested 90%, 84% 2002, 89% avg. Harvest progress advanced through mild daytime temperatures, minimal precipitation last week. With frost received across the state, farmers are busy in the field, while winter wheat emergence slows even further. Activities: Row crop harvest, winter wheat seeding, cutting silage, weaning cattle, caring for livestock.

**TENNESSEE:** Days suitable for fieldwork 6.0. Topsoil 10% short, 88% adequate, 2% surplus. Subsoil 11% short, 86% adequate, 3% surplus. Pastures 4% poor, 22% fair, 58% good, 16% excellent. Winter wheat 6% seeded, 9% 2002, 10% avg. Burley 94% harvest, 92% 2002, 94% avg; 13% stripped, 15% 2002, 15% avg. Dark-fired cured 94%

harvest, 95% 2002, 96% avg. Producers took advantage of mostly dry, cool weather last week as they made good progress with fall seeding, harvest of row crops. Scattered frost across the State caused minor damage to some late planted crops. Many producers reporting above average yields for soybeans. Cooler weather has caused late planted cotton to open much slower than normal, pushing harvest further back. Fertilizer, defoliant applications, winter wheat seeding, burley stripping were some of the other activities taking place last week. Rainfall was well below normal across the entire state last week.

**TEXAS:** Agricultural Summary: Unseasonably cooler weather was the story most of the week. Cool temperatures moved in from the north but brought very little rain to the State. Thermometer readings were as low as the 40's on the High Plains and were in the 50's for the rest of the State except for extreme southern locations. High temperatures were in the 70's, 80's across all regions. Trace amounts of rain fell across some areas of the Plains. A few isolated locations received up to half an inch, but the vast majority of the region received no rain. North Central state reported limited precipitation as did the Rio Grande Valley. One location in the Trans Pecos region reported 3 inches of rain causing runoff flooding. By late week, strong thunderstorms rolled through parts of the Edwards Plateau, Central state. Soil moisture was still lacking in many areas but depletion had slowed with milder temperatures. The cool weather also slowed development of cotton. Harvest of summer crops, hay moved ahead in many locations. Land preparation, fall planting continued where possible. Native pastures were still in decent shape in most areas, but supplemental feeding remained necessary in various locations. Body condition scores on cattle remained good. Some insect populations were active in many locations, were causing some damage. Small Grains: Wheat, oat planting continued across the Plains, North state, the Blacklands. Some earlier planted wheat was in the 2-3 leaf stage. Many fields have come up with good stands, but many dryland fields were needing rain for emergence to occur. Irrigated fields were receiving their first watering. A good general rain was needed across all of the wheat producing areas. Armyworms were becoming a major problem in some fields. Corn: Harvest on the Plains continued, was nearing completion in many locations. Harvest in most other areas of the state was completed. Cotton: Boll development in late planted cotton was slowed due to the onset of colder temperatures. More heat units were needed for maturation. Many producers were beginning to apply harvest aids, especially in the Southern High Plains. Limited harvest had begun in the area. In the Blacklands, harvest should be wrapping up in next week or so. Of the few fields that were left in the Coastal Bend, quality was poor due to excess rain the past couple of weeks. Many producers in the region were shredding stalks. Cotton 50% normal, 68% 2002. Sorghum: Harvest was in full swing on the Plains. Irrigated yields were reported as favorable. Some dryland acreage was being grazed or baled for hay. Peanuts: Harvest began in some locations while most producers were planning to begin in the next week or two. Early planted runners were being dug in some areas. Peanut 84% normal, 84% 2002. Rice: Harvest was complete in most areas. Second cutting rice was making slow progress because of the milder conditions. Soybeans: Remaining soybeans on the Plains were turning color, dropping leaves. Harvest was mostly completed on the Upper Coast. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley, early orange harvest was delayed due to wet ground. Preparation for fall onion planting continued. In the San Antonio-Winter Garden, cabbage has emerged, some irrigation was taking place. Spinach planting continued. Onion producers expected to have planting completed within the next week or two. In East state, sweet potato harvest was underway with favorable yields but also quite a bit of insect damage. Fall vegetables such as turnips, mustard greens were being planted. In the High Plains, pumpkin harvest was in full swing with good yields being reported. Pecans: Some early harvest had begun in some locations while producers in other areas were preparing for harvest. Fall webworms were showing up in some orchards. Overall, most pecans continued to progress well across the state. Range, Livestock: Pasture feeds were holding steady in most areas. While many pastures were short on rain, moisture depletion had slowed due to cooler weather. Summer grasses were mostly gone in northern regions, winter forages were beginning to take over. Haying activities were in full swing in many area as producers were getting their last cutting of the season. Supplemental feeding continued in some locations. Cattle were in mostly good

condition. Activities: Cattle shipping, culling, weaning spring calves. Cattlemen were in good spirits as the market continued to be in their favor. In the Trans Pecos region, white shrimp producers were gearing up for harvest. Wildlife food plots were being planted for this winter.

**UTAH:** Days suitable for fieldwork 6.6. Topsoil 20% very short, 43% short, 37% adequate, 0% surplus. Subsoil 25% very short, 37% short, 38% adequate, 0% surplus. Irrigation Water Supplies 45% very short, 39% short, 16% adequate, 0% surplus. Winter Wheat Planted For Harvest Next Year 52%, 72% 2002, 73% avg.; 22% emerged, 20% 2002, 28% avg. Corn 87% mature, 49% 2002, 49% avg. Corn harvested (grain) 7%, 2% 2002, 3% avg. Corn harvested (silage) 92%, 67% 2002, 73% avg.; 0% very poor, 2% poor, 20% fair, 70% good, 8% excellent. Alfalfa Hay 4th Cutting 79%, 42% 2002, 57% avg. Alfalfa Seed Harvested 73%, 47% 2002, 59% avg. Onions harvested 80%, 84% 2002, 77% avg. Potatoes 46%, harvested, 42% 2002, 53% avg. Cattle, calves moved From Summer Range 45%, 85% 2002, 58% avg. Cattle, calves condition 0% very poor, 2% poor, 26% fair, 58% good, 14% excellent. Sheep, lambs moved From Summer Range 51%, 81% 2002, 59% avg. Sheep Condition 0% very poor, 2% poor, 20% fair, 70% good, 8% excellent. Range, Pasture 9% very poor, 23% poor, 41% fair, 27% good, 0% excellent. Stock Water Supplies 18% very short, 46% short, 36% adequate, 0% surplus. Apples 62% harvested, 31% 2002, 46% avg. Activities: Harvesting corn, onions, potatoes, apples, tilling fields, planting fall grains, caring for livestock. High temperatures ranged from the low 60s to the mid 80s. Lows were generally in the 40s and 50s. Rain showers during midweek were seen in many areas of the state with precipitation amounts of up to 1.0". Farmers continued harvesting corn for silage, have begun harvesting corn for grain. Winter wheat plantings continued to lag behind normal schedules due to lack of moisture in the soil. Farmers in Box Elder County have had to drill wheat deep in order to plant in moisture. Onion, potato harvests continued, progress has tracked closely with historic trends. Growers continued picking apples, Weber County reported that pumpkin, watermelon harvests have been progressing well. Producers continued bringing livestock off summer ranges. Producers in Summit County are gathering cattle, sheep to go to market.

**VIRGINIA:** Days suitable for fieldwork 6.1. Topsoil 3% short, 71% adequate, 26% surplus. Subsoil 1% short, 78% adequate, 21% surplus. Pasture 2% poor, 17% fair, 54% good, 27% excellent. Livestock 11% fair, 70% good, 19% excellent. Other Hay 4% poor, 20% fair, 60% good, 16% excellent. Alfalfa Hay 2% very poor, 7% poor, 25% fair, 52% good, 14% excellent. Corn for Grain 7% very poor, 21% poor, 25% fair, 36% good, 11% excellent; 92% dent, 100% 2002, 99% 5-yr avg.; 72% mature, 96% 2002, 89% 5-yr avg.; 39% harvested, 69% 2002, 60% 5-yr avg.; Silage 85% harvested, 99% 2002, 93% 5-yr avg. Soybeans 4% very poor, 10% poor, 22% fair, 42% good, 22% excellent. Soybeans 40% dropping leaves, 58% 2002, 48% 5-yr avg.; 3% harvested, 7% 2002, 4% 5-yr Avg. Winter Wheat 10% seeded, 12% 2002, 9% 5-yr avg. Barley 18% seeded, 32% 2002, 20% 5-yr avg. Flue Tobacco 96% harvested, 68% 2002, 84% 5-yr avg. Burley tobacco 96% harvested, 100% 2002, 97% 5-yr avg. Peanuts 5% poor, 32% fair, 46% good, 17% excellent; 21% dug, 38% 2002, 45% 5-yr avg.; 7% combined, 25% 2002, 25% 5-yr avg. Cotton 10% poor, 27% fair, 49% good, 14% excellent; 61% bolls opening, 90% 2002, 81% 5-yr avg.; 1% harvested, 26% 2002, 17% 5-yr avg. Apples 10% poor, 44% fair, 45% good, 1% excellent. Fall Apples 68% harvested, 76% 2002, 64% 5-yr avg. Winter Apples 38% harvested, 39% 2002, 34% 5-yr avg. Grapes 2% very poor, 6% poor, 22% fair, 70% good. State experienced dry weather with cooler temperatures this week. There were several reports of frost one night towards the end of the week. Despite the early frost, farmers continued with their activities. Hurricane damage to many crops was still evident. Corn, tobacco were further damaged,

some even killed due to the frost experienced in parts of state this week. Soybeans were losing leaves. Pastures remain in fairly good condition. Farmers worked towards finishing up harvesting the last of the hay for the season. Small grains continued to be seeded behind corn, tobacco harvests. Activities: Continuing the clean up after Hurricane Isabel, fixing fences, harvesting pumpkins, filing loss reports, insurance claims, defoliating cotton, harvesting tobacco, preparing for peanut harvest, irrigating strawberries.

**WASHINGTON:** Days suitable for fieldwork averaged 6.9. Topsoil 35% very short, 45% short, 20% adequate. Subsoil 25% very short, 40% short, 35% adequate. Irrigation water supplies were 14% very short, 18% short, 68% adequate. The highest temperature in the state was 90° in Colville. The lowest temperature in the state was 34° in Deer Park. Winter wheat was 76% seeded, 40% emerged. Warm, dry conditions continued to aid growers with fall seedings, but emergence is still lagging behind normal. Precipitation is needed to support seedling growth. Potatoes 60% harvested. Harvest was winding down in the west, with only a few weeks left to completion. Warm weather in the Columbia Basin continued to slow potato harvest. Corn for silage 47% harvested, 7% for grain was harvested, 2% poor, 18% fair, 80% good. Dry edible beans 95% harvested. Alfalfa 3rd cutting was 99% complete. Hay, other roughage supplies 4% very short, 9% short, 67% adequate, 20% surplus. Range, pasture feeds 16% very poor, 36% poor, 41% fair, 7% good. Pastures across the state need rain to improve conditions. In eastern state, hay, sweet corn, onion harvests continued. Processing carrot harvest was underway. In western state, conditions were ideal for sweet corn, potato, pumpkin apple harvests.

**WEST VIRGINIA:** Days suitable for field work 4.0. Topsoil 80% adequate and 20% surplus, 15% very short, 50% short, 35% adequate 2002. Corn condition 3% very poor, 9% poor, 30% fair, 53% good, 5% excellent; 79% dented, 92% 2002 90% 5-yr avg.; 46% mature, 75% 2002, 65% 5-yr. avg.; 9% harvested, 20% 2002, 22% 5-yr avg. Soybeans 2% poor, 26% fair, 70% good, 2% excellent; 75% dropping leaves, 90% 2002, 83% 5-yr avg. 3% harvested, 15% 2002, 18% 5-yr avg. Winter wheat 42% planted, 48% 2002, 29% 5-yr. avg.; 29% emerged, 45% 2002. Tobacco 94% harvested, 100% 2002, 95% 5-yr avg. Hay 4% poor, 29% fair, 61% good, 6% excellent; 2nd cutting 90%, 100% 2002, 92% 5-yr avg. Apples 7% poor, 29% fair, 57% good, 7% excellent; 61% harvested. Cattle, calves 1% poor, 22% fair, 70% good, 7% excellent. Sheep, Lambs 1% poor, 14% fair, 78% good, 7% excellent. Activities: Hay harvesting, grain harvesting, planting. Wet fields continue to be a problem. Corn moisture remains above normal. Many areas across the state reported frost with some areas reporting killing frost.

**WISCONSIN:** Days suitable for fieldwork 5.5. Topsoil 13% very short, 38% short, 48% adequate, 1% surplus. Unusually cool weather arrived in the Badger State. Temperatures for the week averaged 10-13° below normal with some record lows being set. The cold weather ushered in a hard, statewide frost that effectively ended the growing season for the year. There were scattered rains through the week, keeping farmers from advancing significantly on fall harvest. Rains were quickly absorbed, were a welcome event in most areas. The precipitation was beneficial to fall-planted crops, tillage operations, pastures. Pasture feed 16% very poor, 33% poor, 33% fair, 17% good, 1% excellent. Pastures, alfalfa fields showed some "greening up" with the additional moisture.

**WYOMING: DATA NOT AVAILABLE**

## International Weather and Crop Summary

September 28 - October 4, 2003

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

### HIGHLIGHTS

**EUROPE:** Much-needed widespread rain boosted moisture supplies for winter crops in southwestern and central Europe, but topsoil moisture is becoming limited for winter grain establishment in England, northern Italy, and southeastern Europe.

**FSU-WESTERN:** Several days of warm, dry weather favored rapid fieldwork for corn, sunflower, and sugar beet harvesting and winter wheat planting.

**FSU-NEW LANDS:** Mostly dry weather in Kazakstan and Russia allowed rapid spring grain harvesting.

**SOUTH AFRICA:** Rain is needed for summer crop germination and establishment.

**AUSTRALIA:** Abundant rain fell in major agricultural areas, benefiting reproductive to filling winter grains and improving topsoil moisture and irrigation supplies for summer crops.

**EASTERN ASIA:** In China, conditions remained overall favorable for maturing summer crops, although showers returned to cotton areas of the North China Plain.

**SOUTH ASIA:** As the monsoon continued to withdraw, seasonable dryness returned to Pakistan and northern India.

**SOUTHEAST ASIA:** Monsoon showers continued to recede southward, increasing moisture supplies in Indonesia while providing seasonably dry weather in northern Indochina.

**CANADA:** Prairie spring crop harvesting was nearing completion.

**MEXICO:** Tropical Storm Larry produced widespread showers across southeastern Mexico, boosting soil moisture for immature summer crops but causing local flooding.

**SOUTH AMERICA:** Unfavorably dry weather persisted in crop areas of central Argentina, but scattered showers boosted topsoil moisture for summer crop germination in previously dry sections of Brazil.

**MIDDLE EAST:** Dry weather covered the Middle East, favoring pre-planting soil preparations across the region and cotton maturation in western Turkey.

## September 2003

MONTHLY DATA FROM SELECTED FOREIGN CITIES  
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA

\*\*\* DATA NOT AVAILABLE

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	16	7	22	-2	11	2.0	67	-22
SWEDEN	UPPSALA	17	8	22	-1	12	1.1	1	-55
FINLAN	HELSINKI	16	7	22	0	12	1.7	20	-49
UKINGD	ABERDEEN	17	8	23	2	13	1.0	27	-46
	MANCHESTER	19	10	25	4	14	0.8	44	-26
	CARDIFF	21	11	27	4	16	0.9	21	-73
	LONDON	22	11	28	4	16	1.0	8	-48
IRELAN	DUBLIN	18	9	25	5	14	0.6	32	-31
ICELAN	REYKJAVIK	11	7	15	-1	9	1.2	66	1
DENMAR	COPENHAGEN	18	10	23	4	14	0.8	33	-30
LUXEMB	LUXEMBOURG	21	10	28	5	16	1.7	25	-47
SWITZE	ZURICH	20	10	27	5	15	1.2	47	-45
	GENEVA	21	11	27	7	16	1.1	71	-25
FRANCE	PARIS/ORLY	23	11	31	5	17	0.5	14	-41
	STRASBOURG	23	9	30	3	16	1.3	26	-36
	BOURGES	23	11	31	6	17	1.3	16	-47
	BORDEAUX	25	14	32	7	19	1.7	30	-58
	TOULOUSE	25	15	31	8	20	1.9	37	-14
	MARSEILLE	26	16	28	12	21	0.5	130	73
SPAIN	VALLADOLID	27	13	30	8	20	1.4	12	-17
	MADRID	28	14	31	8	21	0.2	28	5
	SEVILLE	33	19	38	13	26	1.0	17	-10
PORTUG	LISBON	28	19	37	16	23	2.1	11	-19
GERMAN	HAMBURG	20	9	28	2	15	1.1	53	-15
	BERLIN	21	11	30	5	16	1.5	35	-9
	DUSSELDORF	22	10	30	3	16	0.6	48	-20
	LEIPZIG	20	10	29	5	15	0.8	69	26
	DRESDEN	20	11	29	4	16	1.1	30	-21
	STUTTGART	22	8	30	3	15	0.4	23	-35
	NURNBERG	21	8	31	2	14	0.4	14	-37
	AUGSBURG	20	7	28	0	14	-0.3	12	-57
AUSTRI	VIENNA	22	10	31	4	16	-0.1	34	-28
	INNSBRUCK	21	8	28	4	14	0.4	59	-22
CZECHR	PRAGUE	20	9	31	2	15	1.3	24	-18
POLAND	WARSAW	20	8	28	2	14	0.9	53	6
	LODZ	20	9	29	2	14	0.8	26	-22
	KATOWICE	20	8	29	1	14	0.4	50	-6
HUNGAR	BUDAPEST	23	12	30	7	18	1.3	18	-25
YUGOSL	BELGRADE	23	14	31	9	18	0.8	49	-3
ROMANI	BUCHAREST	23	10	30	3	16	-1.1	137	96
BULGAR	SOFIA	22	10	29	4	16	-0.6	41	2
ITALY	MILAN	27	14	32	11	21	1.5	25	-62
	VERONA	26	14	31	9	20	0.9	35	-39
	VENICE	24	14	27	9	19	0.0	44	-30
	GENOA	25	18	30	15	22	-0.1	68	-26
	ROME	26	16	29	11	21	-0.3	32	-40
	NAPLES	26	16	30	14	21	-0.1	42	-46
GREECE	THESSALONIKA	26	16	34	12	21	-0.8	21	-5
	LARISSA	27	14	36	10	21	-1.3	24	-6
	ATHENS	28	19	35	14	24	-0.6	4	1
TURKEY	ISTANBUL	24	17	30	12	20	-0.6	15	-16
	ANKARA	24	8	34	3	16	-0.3	11	-3
CYPRUS	LARNACA	31	20	35	17	26	0.4	12	10
ESTONI	TALLINN	17	8	21	0	12	1.6	10	-65
RUSSIA	ST.PETERSBURG	16	9	20	4	13	1.5	29	-37
LITHUA	KAUNAS	18	8	26	3	13	1.1	27	-27
BELARU	MINSK	18	7	26	2	12	0.7	12	-52
RUSSIA	KAZAN	16	8	30	3	12	0.7	25	-24
	MOSCOW	16	7	23	1	12	0.9	101	36
	YEKATERINBURG	16	7	32	-1	12	2.1	41	-13
	OMSK	17	7	32	-1	12	1.8	15	-20
KAZAKH	KUSTANAY	21	10	36	1	16	3.5	35	10
RUSSIA	BARNAUL	18	7	31	-1	13	1.8	30	-5
	KHABAROVSK	19	8	23	2	13	-0.1	87	1
	VLADIVOSTOK	20	14	26	8	17	1.4	139	2
UKRAIN	KIEV	19	10	27	7	14	0.5	12	-48
	LVOV	19	8	29	2	14	0.7	40	-26
	KIROVOGRAD	21	8	26	4	15	-0.3	10	-31
	ODESSA	21	13	29	8	17	-0.1	57	21
	YALTA	23	16	29	12	19	0.2	49	17

Based on Preliminary Repo

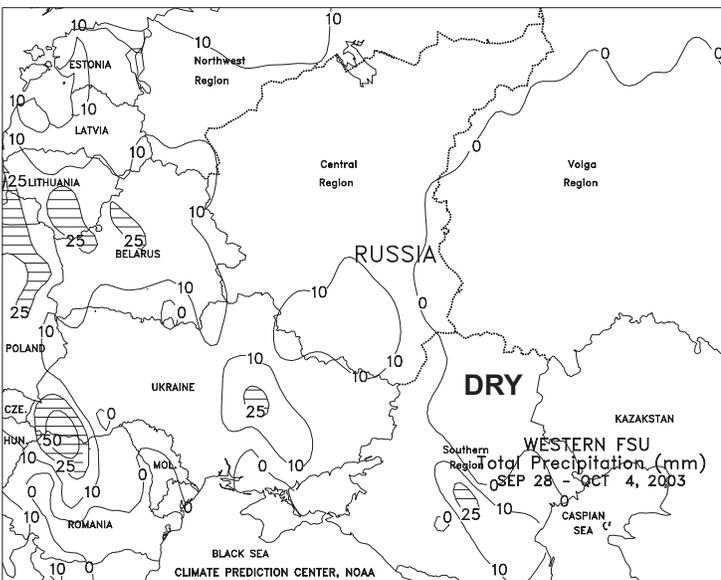
September 2003

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)				
		AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	TOTAL	DPART F/NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	TOTAL	DPART F/NRM			
RUSSIA	SARATOV	19	10	31	6	14	1.3	70	23	TANZAN	DAR ES SALAAM	31	19	33	12	25	1.0	4	-26	
UKRAIN	KHARKOV	19	8	28	3	14	0.0	20	-27	GABON	LIBREVILLE	28	24	29	22	26	1.0	235	129	
RUSSIA	VOLGOGRAD	20	10	34	3	15	-0.3	30	7	TOGO	LOME	30	25	33	22	27	1.9	63	15	
	ASTRAKHAN	23	12	35	6	18	0.2	41	23	BURKIN	OUAGADOUGOU	32	24	37	20	28	0.4	122	-15	
	KRASNODAR	22	12	36	9	17	-0.9	157	104	COTE D	ABIDJAN	30	24	33	22	27	2.0	27	-34	
	ORENBURG	23	8	38	-1	16	2.2	25	-2	MOZAMB	MAPUTO	27	17	35	14	22	1.0	32	-15	
KAZAKH	TSELINOGRAD	20	9	34	-2	15	2.4	26	-8	ZAMBIA	LUSAKA	29	15	34	10	22	-1.3	0	-1	
	KARAGANDA	20	7	34	-2	14	1.6	29	11	ZIMBAB	KADOMA	31	14	35	10	23	-1.3	3	1	
GEORGI	TBILISI	25	16	36	11	21	0.6	32	-5	S AFRI	PRETORIA	27	13	31	8	20	1.2	1	-22	
UZBEKI	TASHKENT	30	14	37	7	22	1.4	0	-5		JOHANNESBURG	24	10	28	3	17	0.7	11	-21	
TURKME	ASHKHABAD	31	16	39	8	24	0.3	0	-4		BETHAL	25	8	29	1	17	1.5	0	-30	
SYRIA	DAMASCUS	34	14	40	8	24	0.4	0	***		DURBAN	22	15	29	11	19	-0.6	121	47	
ISRAEL	JERUSALEM	28	18	32	16	23	1.0	0	***		CAPE TOWN	19	10	25	4	14	0.3	56	14	
PAKIST	KARACHI	33	26	40	23	29	0.2	0	-10	CANADA	TORONTO	22	12	29	4	17	1.6	89	12	
INDIA	AMRITSAR	33	22	37	15	28	-0.8	38	-39		MONTREAL	23	13	31	6	18	3.0	108	17	
	NEW DELHI	33	25	36	22	29	-0.4	85	-34		WINNIPEG	18	7	31	-6	13	0.3	43	-8	
	AHMEDABAD	33	25	36	23	29	-0.4	22	-77		REGINA	19	4	34	-8	12	-0.2	27	-4	
	INDORE	28	21	31	20	25	-1.1	366	213		SASKATOON	18	5	33	-7	11	0.2	30	1	
	CALCUTTA	33	27	35	25	30	0.7	180	-159		LETHBRIDGE	21	5	35	-4	13	-0.1	42	2	
	VERAVAL	31	26	33	24	28	0.7	37	-55		CALGARY	18	4	31	-3	11	0.4	40	-4	
	BOMBAY	31	25	31	23	28	0.1	280	-67		EDMONTON	17	6	30	-1	11	0.1	15	-26	
	POONA	29	21	33	19	25	-0.3	40	-104		VANCOUVER	20	12	27	8	16	1.2	41	-12	
	BEGAMPET	31	23	33	22	27	0.3	72	-66	MEXICO	GUADALAJARA	***	***	30	15	***	***	74	-86	
	VISHAKHAPATNAM	32	26	36	24	29	0.7	153	-28		TLAXCALA	21	13	25	10	17	-0.5	47	-75	
	MADRAS	35	26	38	24	31	0.8	106	-34		ORIZABA	25	17	27	15	21	1.1	277	-81	
	MANGALORE	30	22	33	20	26	-0.4	171	-116		BERMUD	ST GEORGES	30	24	32	22	27	0.5	116	-3
HONGKO	HONG KONG INT	32	26	35	23	29	0.8	308	11	BAHAMA	NASSAU	32	25	34	21	28	0.8	161	1	
N KORE	PYONGYANG	25	16	28	10	20	1.0	94	-11	CUBA	HAVANA	32	22	33	20	27	0.4	28	-117	
S KORE	SEOUL	25	18	29	14	21	0.0	260	137	JAMAIC	KINGSTON	33	26	34	23	30	1.1	22	-109	
JAPAN	SAPPORO	22	14	28	9	18	0.4	115	-18	P RICO	SAN JUAN	32	25	34	22	29	0.6	100	-43	
	NAGOYA	30	22	35	13	26	2.0	151	-80	GUADEL	RAIZET	32	24	33	23	28	0.6	58	-141	
	TOKYO	28	21	34	14	25	1.1	151	-64	MARTIN	LAMENTIN	32	24	34	22	28	1.5	183	-23	
	YOKOHAMA	27	21	33	14	24	0.7	141	-99	BARBAD	BRIDGETOWN	32	25	33	23	28	0.8	77	-59	
	KYOTO	30	22	36	15	26	1.4	140	-56	TRINID	PORT OF SPAIN	33	24	35	24	29	1.5	115	-87	
	OSAKA	30	23	35	17	27	2.0	153	-12	COLOMB	BOGOTA	18	8	21	3	13	-0.1	43	-15	
THAILA	PHITSANULOK	32	25	35	24	29	0.0	273	45	VENEZU	CARACAS	33	25	38	19	29	1.5	25	-22	
	BANGKOK	32	26	34	24	29	0.3	212	-136	F GUIA	CAYENNE	33	23	35	21	28	1.0	70	1	
MALAYS	KUALA LUMPUR	33	24	35	22	28	1.5	140	-50	BRAZIL	FORTALEZA	30	25	31	23	28	0.1	24	6	
VIETNA	HANOI	32	26	35	24	29	0.6	250	-1		RECIFE	29	25	30	22	27	-0.3	86	8	
CHINA	HARBIN	21	11	29	4	16	1.6	64	11		CAMPO GRANDE	32	20	40	7	26	2.1	115	42	
	HAMI	28	12	36	1	20	1.7	2	-2		FRANCA	***	***	33	12	***	***	***	***	
	LANCHOW	23	13	31	8	18	2.1	29	-10		RIO DE JANEIRO	27	19	37	15	23	0.6	134	73	
	BEIJING	25	17	34	13	21	0.6	88	41		LONDRINA	28	14	36	6	21	1.5	58	-55	
	TIENTSIN	26	17	32	13	22	0.2	41	0		SANTA MARIA	22	11	34	2	17	0.0	57	-98	
	LHASA	20	10	23	6	15	1.4	95	28		TORRES	19	12	22	4	15	-4.0	59	-78	
	KUNMING	23	16	26	13	20	1.5	100	-20	PERU	LIMA	18	15	20	14	16	-0.6	0	-3	
	CHENGCHOW	26	18	34	15	22	0.8	126	48	BOLIVI	LA PAZ	14	-2	18	-6	6	-1.5	36	4	
	YEHCHANG	29	21	34	16	25	1.1	142	33	CHILE	SANTIAGO	20	6	27	-2	13	1.6	11	-9	
	HANKOW	30	22	35	18	26	1.8	48	-31	ARGENT	IGUAZU	27	13	37	1	20	0.5	194	25	
	CHUNGKING	29	22	36	19	25	1.2	68	-77		FORMOSA	28	15	40	4	21	1.5	61	-36	
	CHIHKIANG	30	19	36	13	25	1.8	42	-26		CERES	25	10	38	2	17	1.3	13	-32	
	WU HU	30	22	36	15	26	2.7	35	-49		CORDOBA	24	8	38	0	16	1.3	5	-31	
	SHANGHAI	30	23	37	19	26	2.0	27	-108		RIO CUARTO	23	8	38	0	15	1.6	0	-45	
	NANCHANG	31	23	37	18	27	2.6	14	-55		ROSARIO	22	9	30	-1	15	0.8	94	28	
	TAIPEI	31	26	34	24	29	1.1	214	-40		BUENOS AIRES	19	8	26	0	13	0.1	76	18	
	CANTON	32	24	36	21	28	0.7	368	215		SANTA ROSA	22	6	29	-3	14	1.8	19	-19	
	NANNING	31	23	34	19	27	-0.3	236	112		TRES ARROYOS	18	6	25	-3	12	1.3	36	-23	
CANARY	LAS PALMAS	27	22	30	20	24	0.2	0	-9	MARSHA	MAJURO	30	27	31	24	28	0.7	419	117	
MOROCC	CASABLANCA	26	20	37	17	23	0.9	0	-6	NEW CA	NOUMEA	25	18	29	16	21	0.7	20	-22	
	MARRAKECH	35	21	40	18	28	2.9	0	-7	FIJI	NAUSORI	27	19	30	14	23	0.0	24	-136	
ALGERI	ALGER	30	19	38	13	24	1.2	40	5	SAMOA	PAGO PAGO	30	25	32	23	28	0.8	110	-77	
	BATNA	29	14	38	10	22	0.1	43	14	TAHITI	PAPEETE	30	22	31	20	26	0.9	29	-20	
TUNISI	TUNIS	29	22	37	19	25	0.7	322	286	PNEWGU	PORT MORESBY	29	24	32	22	27	0.5	6	-27	
NIGER	NIAMEY	35	25	40	21	30	0.6	71	-18	NZEALA	AUCKLAND	17	11	20	6	14	***	141	***	
MALI	TIMBUKTU	37	26	43	21	31	0.1	45	14		WELLINGTON	14	9	19	2	12	***	152	***	
	BAMAKO	31	21	35	19	26	-0.4	235	37	AUSTRA	DARWIN	32	24	34	15	28	-0.1	10	-6	
MAURIT	NOUAKCHOTT	35	26	43	20	31	1.2	7	-26		BRISBANE	25	13	33	6	19	1.1	6	-30	
SENEGA	DAKAR	31	26	34	22	29	1.0	77	-70		PERTH	20	9	28	5	15	0.0	94	16	
CHAGOS	DIEGO GARCIA	29	25	30	23	27	0.0	373	127		CEDUNA	20	9	37	5	15	0.1	28	-1	
LIBYA	TRIPOLI	34	23	45	19	28	1.3	4	-4		ADELAIDE	17	10	25	4	13	-0.3	52	-14	
	BENGHAZI	32	22	39	16	27	1.0	1	-1		MELBOURNE	16	6	23	-1	11	-0.5	24	-28	
EGYPT	CAIRO	33	22	39	20	27	0.4													



**EUROPE**

A slow-moving storm brought widespread rain (25-75 mm or more) to southwestern and portions of central Europe, including Portugal, most of Spain, western and southern France, Switzerland, and Austria. The rain boosted topsoil and sub-soil moisture for winter grain development and irrigation supplies, and reduced forest fire danger, especially in Portugal, Spain, and southern France. The widespread rain, however, slowed summer crop harvesting, including cotton in southwestern Spain. Lighter rain (5-25 mm) across northern France, the Low Countries, and Germany boosted topsoil moisture for winter grain development, but long-term moisture deficits remain from this summer's drought. Across England and Scotland, mostly dry weather favored summer crop maturation and harvesting, but continued below-normal rainfall for several weeks is beginning to limit topsoil moisture for winter grain development. In northern Italy, continued dry weather is limiting topsoil moisture for winter grain establishment. Moderate rain (10-30 mm) boosted topsoil moisture in central Italy. Continued dry weather favored cotton maturation and early harvesting in Greece. In eastern Europe, widespread rain covered the western Balkans (10-50 mm), Slovakia (15-35 mm), western Hungary (15-40 mm), and eastern Poland (10-30 mm), increasing topsoil moisture for winter crop planting but slowing summer crop harvesting. Elsewhere, mostly dry, warm weather continued to limit topsoil moisture for winter crop germination and establishment. Widespread rain is needed across the region to ensure adequate winter crop establishment, especially in the lower Danube River Basin. Temperatures averaged 1 to 3 degrees C above normal across most of western Europe and 2 to 5 degrees C above normal in eastern Europe, increasing winter crop water use. The exceptions were near- to slightly below-normal temperatures across Portugal, Spain, and northern Europe (England to northern Poland). Late-week cooler weather produced isolated frost and freezes in eastern France, Germany, and Poland, but all summer crops are already mature.

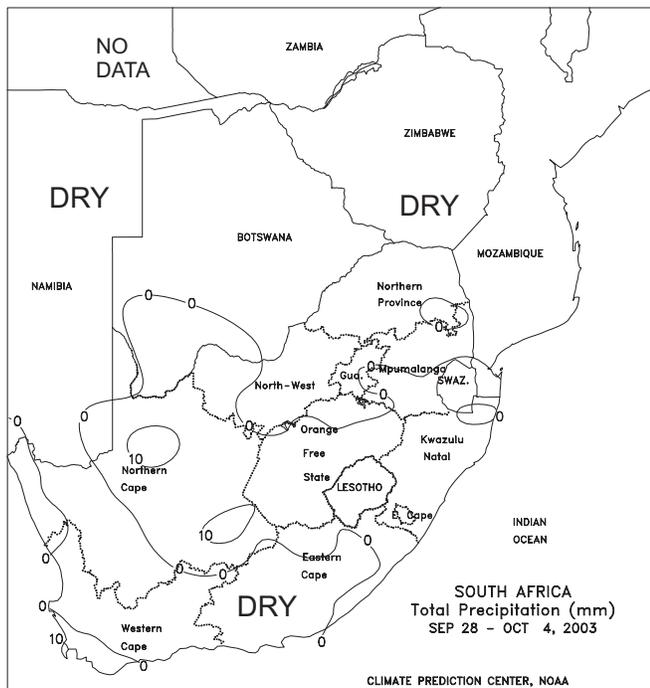
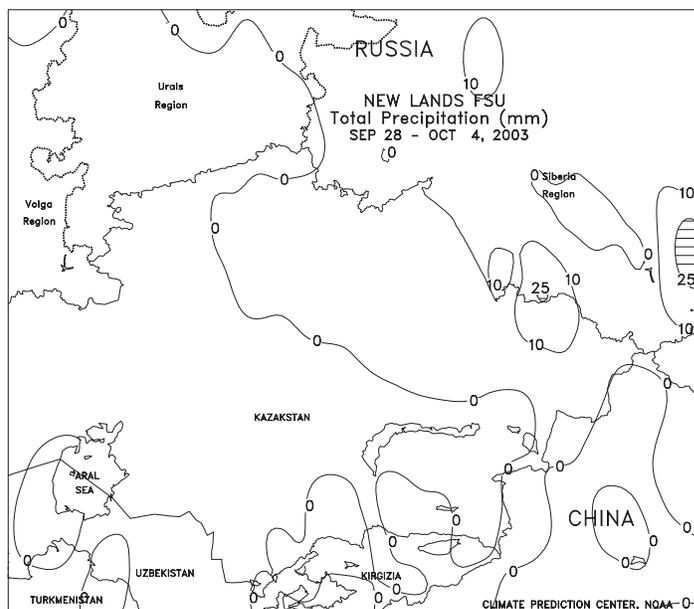


**FSU-WESTERN**

High pressure prevailed in Ukraine and Russia during most of the week, ushering in unseasonably warm, dry weather. As a result, fieldwork for corn, sunflower, and sugar beet harvesting and winter wheat planting progressed without weather-related delays. Reports from Ukraine as of September 30 indicated that corn, sunflowers, and sugar beets were 30, 60, and 53 percent harvested, respectively. Winter wheat was 75 percent planted. The dryness in eastern Ukraine and parts of the Southern Region in Russia has persisted since winter wheat planting began in early September, creating a lack of topsoil moisture for germination and early crop establishment. As a result, rain is needed to ensure uniform germination and adequate plant establishment prior to dormancy. In northern Russia, unseasonably mild weather (weekly temperatures averaging 4-6 degrees C above normal) provided favorable conditions for winter grain establishment prior to dormancy. Typically, winter grains begin entering dormancy in northern Russia during the middle of October. In Belarus and the Baltics, light showers (2-25 mm) and mild weather (weekly temperatures averaging 1-3 degree C above normal) caused some interruptions in summer crop harvesting but provided favorable conditions for winter grain establishment.

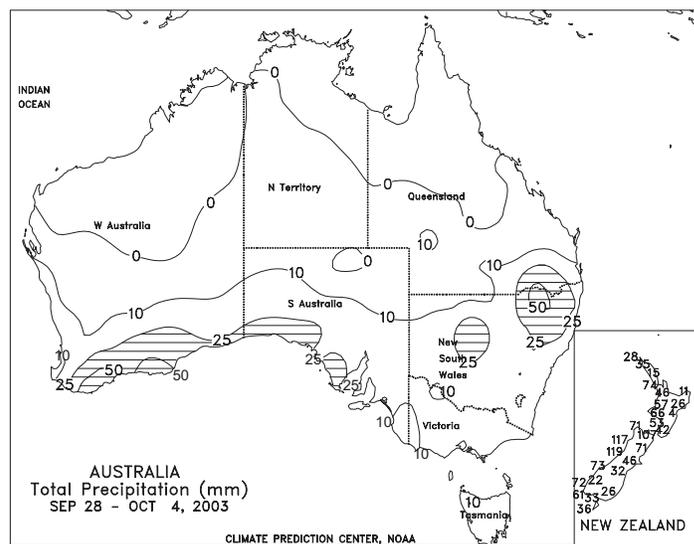
**FSU-NEW LANDS**

Following last week's wet weather, mostly dry weather prevailed in Kazakstan and Russia, allowing rapid spring grain harvest. In Kazakstan, reports as of September 30 indicated that grain was about 93 percent harvested. In Russia, reports as of September 29 indicated that small grains and pulses, excluding corn, advanced to 85 percent harvested. Weekly temperatures averaged near to slightly above normal in Russia and near to slightly below normal in Kazakstan. At most locations, minimum temperatures fell below 0 degrees C for the second consecutive week. In cotton-producing areas of Central Asia, dry weather favored cotton harvesting, while near- to slightly above-normal temperatures favored boll maturation and opening. Reports from Uzbekistan indicated that the cotton crop was ripening later than usual and harvest was just beginning. The delay in ripening and early harvest activities was the result of a wet spring that slowed planting fieldwork and caused replanting in areas where locally heavy rain washed out fields.



**SOUTH AFRICA**

Warm, dry weather continued to dominate the corn belt, with just a few light showers (less than 10 mm) observed in Free State and outlying areas of North-West and Northern Cape early in the week. Highs reaching the lower to middle 30s degrees C enhanced evaporative losses and hastened maturity of winter wheat. Due to this season's poor start to the rainy season, a widespread, soaking rain is needed to significantly improve conditions for summer crop germination and establishment.

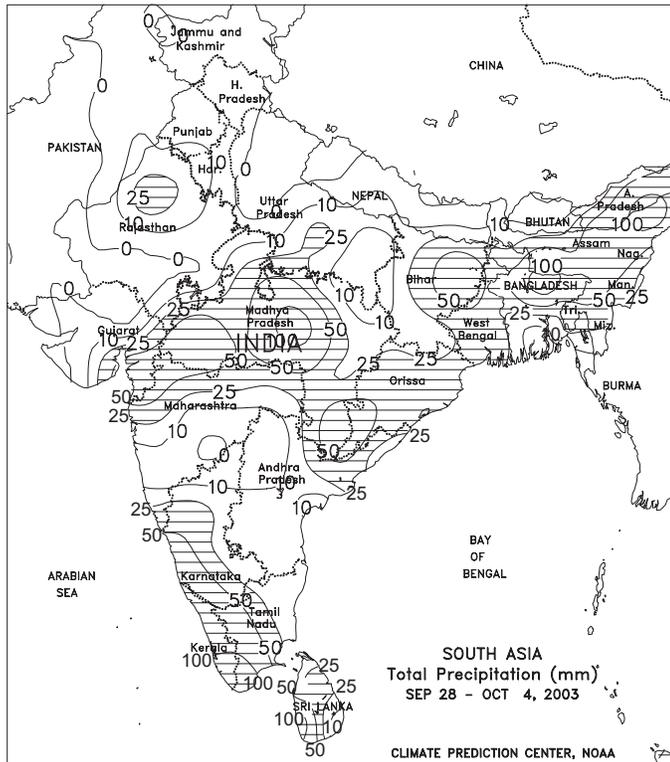


**AUSTRALIA**

In Western Australia, abundant showers (5-35 mm or more) and seasonably warm weather maintained favorable conditions for reproductive wheat and filling barley. Similarly, widespread showers (10-30 mm) in South Australia, Victoria, and southern New South Wales were very beneficial for winter grains. Unseasonably cold weather (averaging 2-5 degrees C below normal) overspread these areas, slowing crop development, and a light freeze (temperatures near -1 degree C) was observed in portions of northern Victoria and southern and central New South Wales on September 28. Wheat was in or nearing the reproductive stage of development, increasing its vulnerability to the freezing weather. Farther north, soaking rain (15-70 mm) overspread major winter grain and summer crop-producing areas in northern New South Wales and southern Queensland. This rain provided the first widespread significant precipitation to these regions since about mid-August. Although the rain was too late to aid maturing winter wheat and barley, vegetative cotton and sorghum benefited from a boost in topsoil moisture and an increase in irrigation supplies. Temperatures in these two regions averaged about 1 degree C below normal.

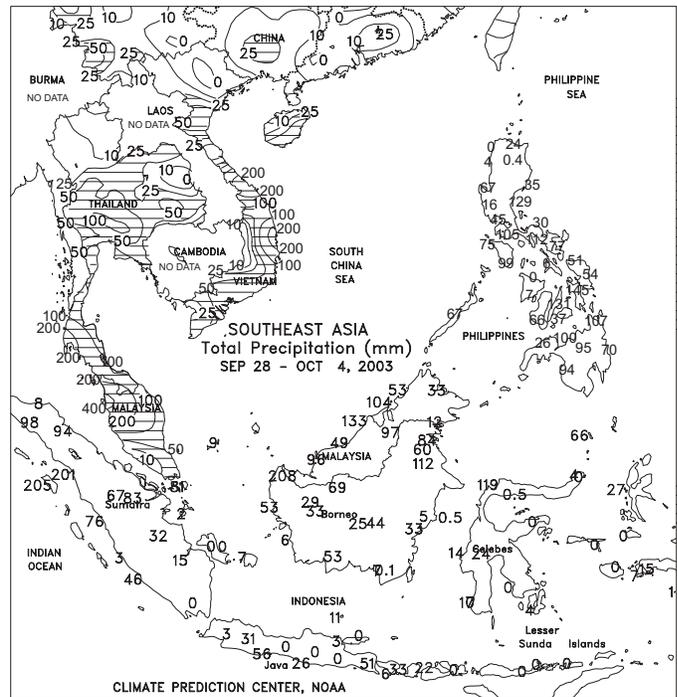
**EASTERN ASIA**

In Manchuria, sunny skies promoted maturation and drydown of corn and soybeans. Frosty weather settled into northern and central growing areas at week's end, but the region has not yet recorded a widespread killing freeze, extending the season for late summer crop development. Farther south, dry weather aided autumn fieldwork early in the week, but rain (10-50 mm or more) eventually moved into western crop areas of the North China Plain, raising additional concern for cotton quality. The heaviest and most frequent rain (50-100 mm or more) fell in Henan and portions of Shanxi and Shaanxi. Winter wheat planting, which typically follows summer crop harvesting, is usually underway by October but likely faces some delays as a result of lingering wetness and the subsequent impact on summer crop harvesting. In contrast, warm, mostly dry weather maintained generally favorable conditions for rice harvesting in southern China. Warm, dry weather also favored maturing rice on the Korean Peninsula and in southern Japan, but lingering showers (10-25 mm or more) likely delayed fieldwork in Hokkaido and northern Honshu.



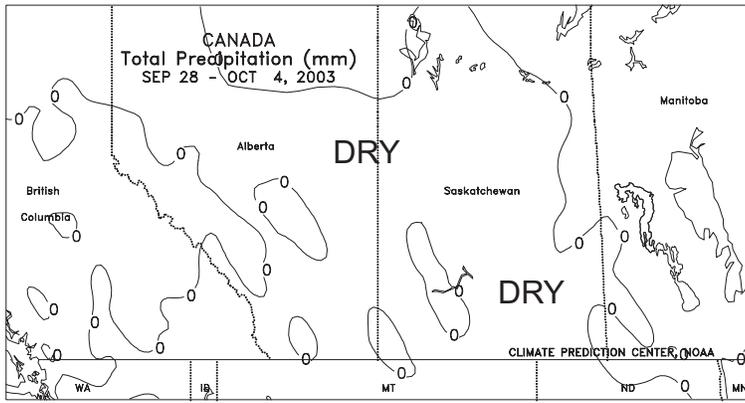
**SOUTH ASIA**

Seasonably dry weather returned to Pakistan and northern India, favoring cotton harvesting. The withdrawing monsoon brought moderate to heavy showers (25-100 mm) to central India, slowing soybean maturation and harvest. Warmer weather (30-35 degrees C) aided groundnut development in Gujarat, where crop progress was slowed by cool, wet weather over the last 4 weeks. Moderate showers (25-50 mm) continued to maintain moisture supplies for reproductive rice in eastern India.



**SOUTHEAST ASIA**

As monsoon showers continued to recede southward, seasonably dry weather benefited rice harvesting in northern and eastern Thailand. Moderate to heavy showers (25-100 mm or more) in central and southern Vietnam favored reproductive 10<sup>th</sup> month rice. Showers (50-100 mm) throughout the Philippines boosted moisture supplies for the upcoming second-season crops. Showers remained heavy (50-200 mm) throughout peninsular Malaysia and into Sumatra, boosting moisture supplies for oil palm. In Java, Indonesia, showers continued to increase in advance of the main crop season.



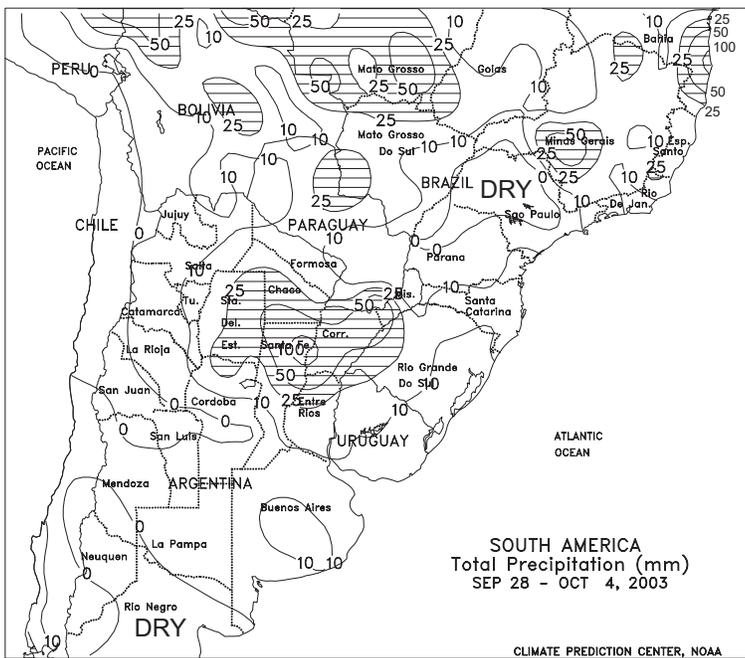
**CANADA**

Dry weather dominated the Prairies, allowing spring grain and oilseed harvesting to advance toward completion. Temperatures averaged near to above normal in western growing areas and 1 to 3 degrees C below normal in the east. Temperatures fell below -5 degrees C throughout much of Saskatchewan and Manitoba for the first time this season, slowing winter grain development and pasture growth. In eastern Canada, a strong cold front brought scattered, mostly light showers (5-25 mm or more) to much of Ontario and Quebec, boosting moisture reserves for winter wheat and pastures. However, after the frontal passage, cool weather slowed crop development, although frost was generally patchy and light. The first autumn freeze typically occurs from late September to early October, with the latest arrivals in the traditionally warmer areas of southwestern Ontario.



**MEXICO**

Across the main corn belt, mostly dry weather favored filling to early maturing corn, although soil moisture remained adequate for immature corn. Late in the week, Tropical Storm Larry formed in the Bay of Campeche (southwestern Gulf of Mexico). The storm slowly drifted southward and made landfall in the state of Tabasco on October 5, with sustained winds of 50 knots. Larry's chief impact was torrential rain (at least 125-200 mm) and local flooding across Tabasco and Veracruz, while widespread showers (50-100 mm or more) boosted soil moisture for immature summer crops across the Yucatan Peninsula, along the East Coast, and in the remainder of southeastern Mexico. Elsewhere, dry weather following last week's widespread rainfall allowed fieldwork to resume, especially in the West Coast vegetable areas. At week's end, however, eastern Pacific Hurricanes Nora and Olaf contributed to the return of showery weather along the West Coast of Mexico. Weekly temperatures averaged 1 to 3 degrees C below normal across northeastern Mexico and 1 to 3 degrees C above normal elsewhere.



**SOUTH AMERICA**

Dry weather continued to dominate primary growing areas of central Argentina (locations in and around Cordoba and southern Santa Fe). Unfavorably dry weather also returned to important winter wheat areas of La Pampa and western Buenos Aires, although showers (10 mm or more) continued in central Buenos Aires. Locally heavy rain (10-50 mm or more) in northern crops areas (northern Santa Fe to Formosa) increased moisture for germination of cotton and other summer crops. Near-normal temperatures (highs ranging from the lower 20s degrees C in southern Buenos Aires to the upper 30s in Chaco and Formosa, with only isolated reports of frost) maintained seasonable moisture demands on germinating summer crops and winter wheat, which ranges from vegetative to filling. According to independent analysts from within Argentina, corn and sunflowers were about 20 percent planted as of October 4, with soybean planting reportedly underway in some areas. In Brazil, scattered showers (10-25 mm or more) benefited flowering coffee and boosted moisture reserves for summer crop germination in recently dry locations from Mato Grosso and Mato Grosso do Sul to Bahia. Soybean planting was likely underway in many locations. However, additional, widespread rain was needed to significantly improve planting prospects in northeastern growing areas after weeks of drier-than-normal weather. Farther south, drier weather returned from Rio Grande do Sul to Sao Paulo, fostering winter wheat harvesting and field preparations for summer crop planting. Temperatures averaging 1 to 3 degrees C above normal maintained high crop moisture demands throughout Brazil.

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is published weekly and is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA and IMC are responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

**Annual subscriptions:** Domestic and International subscriptions are **\$60**. Check and credit card (Visa, MasterCard, Discover, and American Express) payments are accepted. Payments (invoices) should be mailed to: **NNDCC/NCDC, P.O. Box 70169, Chicago, IL 60673-0169**; or invoices faxed to: (304) 726-4409.

Send address changes to: **NCDC Subscription Services Center, 310 State Route 956, Building 300, Rocket Center, WV 26726**; call toll free: (866) 742-3322; TDD: (828) 271-4010; fax: (304) 726-4409; or E-mail: [noaasubsvcs@imcww.com](mailto:noaasubsvcs@imcww.com)

Correspondence to the meteorologists should be directed to: **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250**. Internet URL: <http://www.usda.gov/oce/waob/jawf>; E-mail address: [jawfweb@oce.usda.gov](mailto:jawfweb@oce.usda.gov)

**U.S. DEPARTMENT OF COMMERCE**

National Oceanic and Atmospheric Administration  
National Weather Service/Climate Prediction Center  
Managing Editor ..... **David Miskus** (202) 720-7919  
Meteorologists ..... **Eric Luebehusen,**  
..... **Brad Pugh, and Chester Schmitt**

**NCDC SUBSCRIPTION SERVICES CENTER**

Subscriptions ..... **Toll free:** (866) 742-3322  
..... **TDD:** (828) 271-4010  
..... **Fax:** (304) 726-4409  
..... **E-mail:** [noaasubsvcs@imcww.com](mailto:noaasubsvcs@imcww.com)

**U.S. DEPARTMENT OF AGRICULTURE**

Economic Research Service  
E.R.S. Editor ..... **Sharon Lee** (202) 694-5125  
National Agricultural Statistics Service  
Agricultural Statistician ..... **Brian Young** (202) 720-7621  
State Summaries Editor . **Delores Thomas** (202) 720-8033  
World Agricultural Outlook Board  
International Editor ..... **Tom Puterbaugh** (202) 720-2012  
U.S. Editor ..... **Brad Rippey** (202) 720-2397  
Agricultural Weather Analysts ..... **Mark Brusberg,**  
..... **Brian Morris, Harlan Shannon, and Bob Stefanski**  
Stoneville ..... **Bart Freeland and Nancy Lopez**

**NCDC Subscription Services Center**  
**Attn: Weekly Weather & Crop Bulletin**  
310 State Route 956  
Building 300  
Rocket Center, WV 26726

**WEEKLY NEWS BULLETIN**  
**FIRST CLASS**

FIRST CLASS MAIL  
POSTAGE & FEES PAID  
NOAA  
PERMIT NO. G-19

**OFFICIAL BUSINESS**  
**PENALTY FOR PRIVATE USE, \$300**