

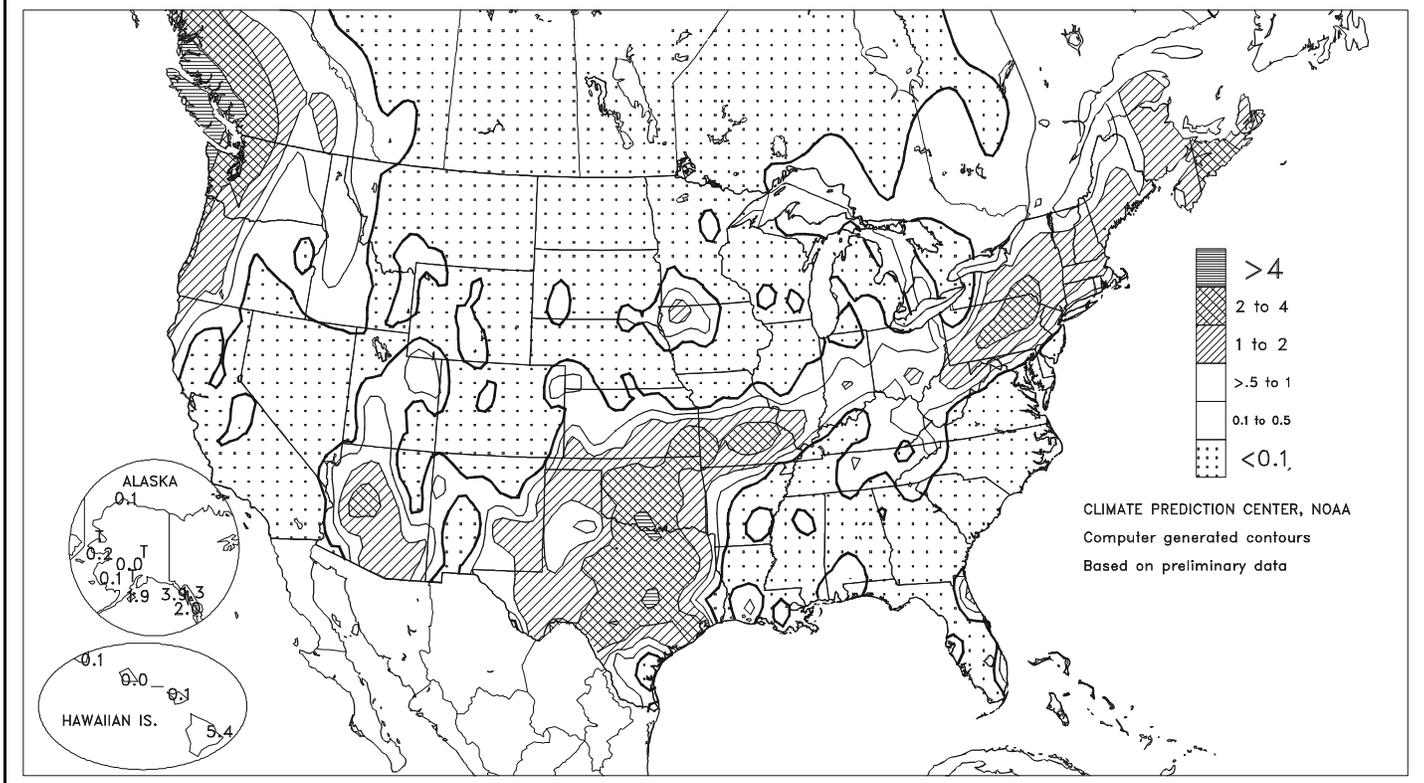
# WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
National Agricultural Statistics Service  
and World Agricultural Outlook Board

Total Precipitation (Inches)

OCT 15 - 21, 2000



## HIGHLIGHTS

October 15 - 21, 2000

Highlights provided by NOAA/CPC & USDA/WAOB

**M**uch-needed moderate to heavy rain fell on most of **Texas and Oklahoma**, and **eastern sections of Kansas and New Mexico**, promoting winter wheat emergence. However, only light rain was recorded in **western portions of Texas and Kansas**, while little or no precipitation fell from **eastern Colorado** northward, depleting topsoil moisture and causing renewed concerns about proper winter wheat establishment. Near-record to record warmth accompanied the **central and northern Plains'** dry weather, with weekly temperatures averaging 5 to 11°F above normal, following the previous week's unusually severe early-season cold outbreak. Farther east, widespread

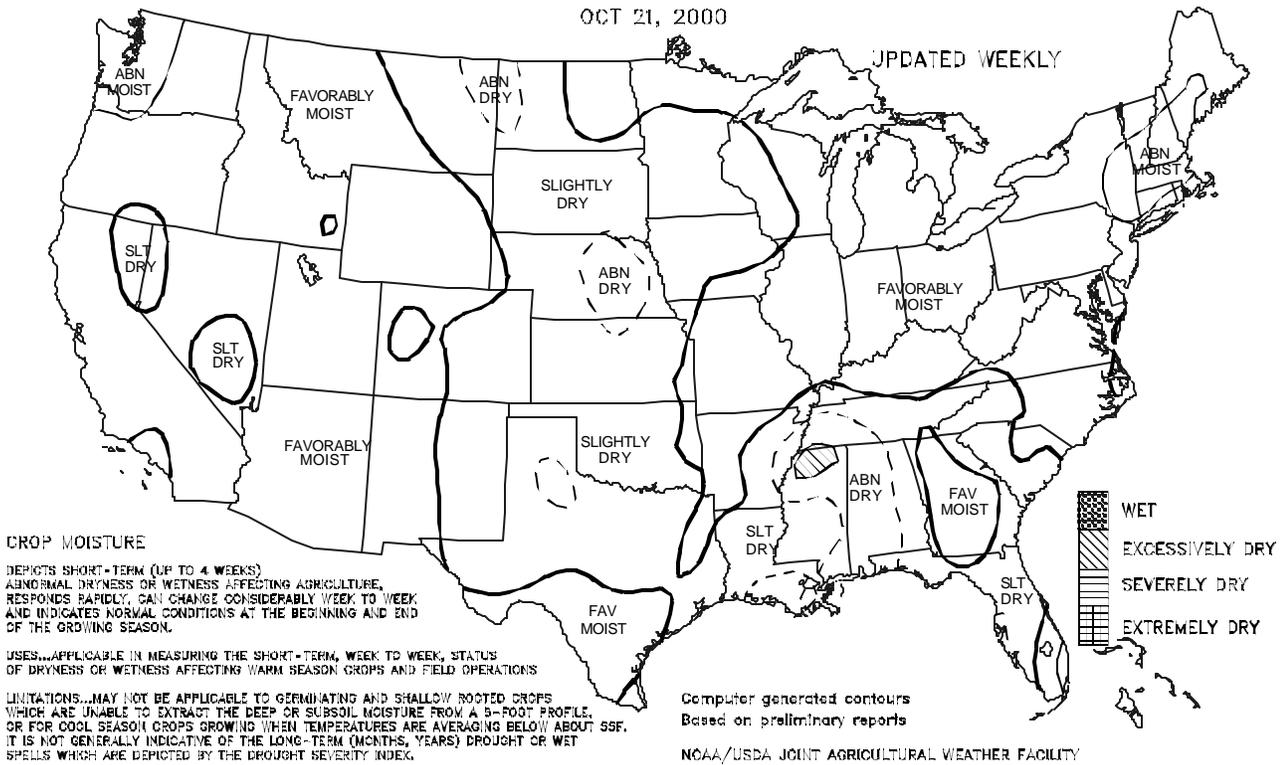
(Continued on page 3)

## Contents

Crop Moisture Maps .....	2
Extreme Maximum & Minimum Temperature Maps .....	3
Weather Data for the Delta and Bootheel & Temperature Departure Map .....	4
National Weather Data for Selected Cities .....	5
National Agricultural Summary .....	8
Crop Progress and Condition Tables .....	9
<b>Pasture and Range Condition Table .....</b>	<b>10</b>
State Agricultural Summaries .....	11
International Weather and Crop Summary .....	16
Subscription Information & October 17 Drought Monitor .....	20

**Crop Moisture**  
 SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE  
 OCT 21, 2000

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.

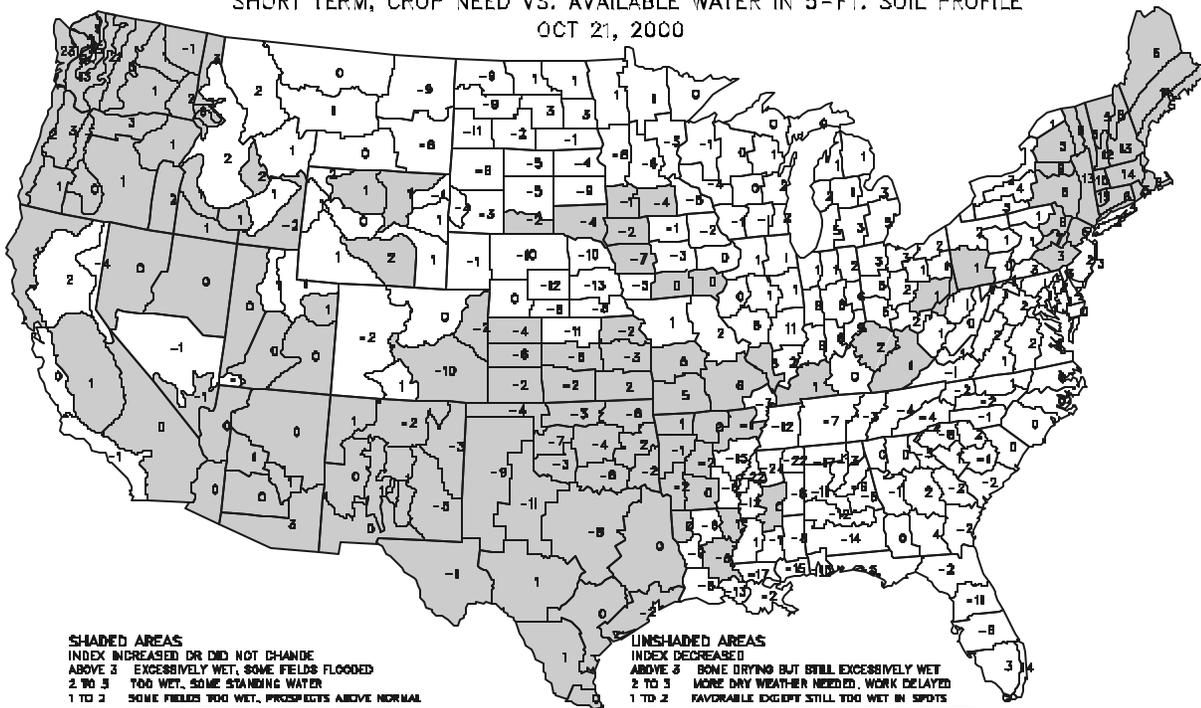
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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-FT. SOIL PROFILE  
 OCT 21, 2000



**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

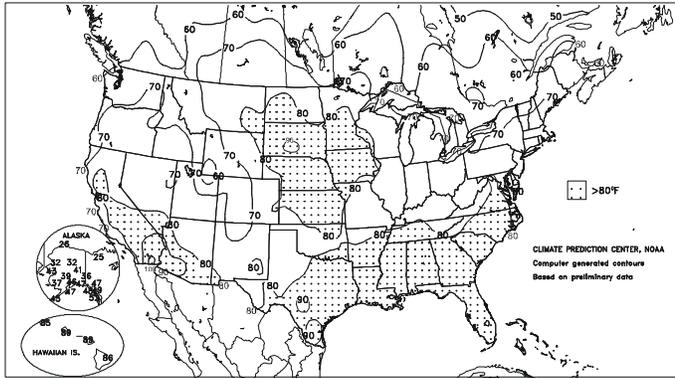
**UNSHADED AREAS**

INDEX DECREASED  
 ABOVE 3 BONE DRYING BUT STILL EXCESSIVELY WET  
 2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED  
 1 TO 2 FAVORABLE EIGHTH 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

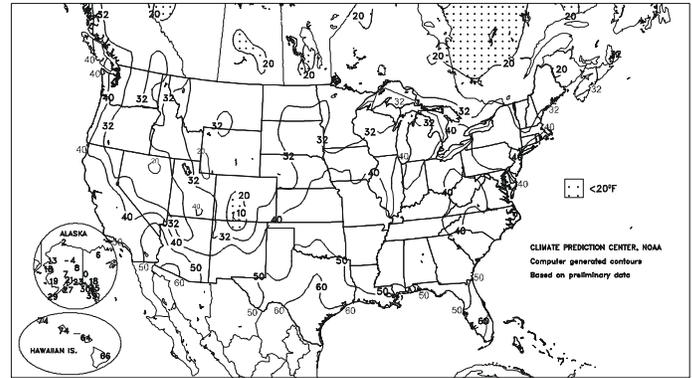
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

BASED ON PRELIMINARY DATA

Extreme Maximum Temperature (°F)  
OCT 15 - 21, 2000



Extreme Minimum Temperature (°F)  
OCT 15 - 21, 2000



(Continued from front cover)

showers fell from the **middle Mississippi and lower Missouri Valleys** northeastward into **New England**, causing fieldwork delays. In the majority of the **Corn Belt**, however, mostly dry weather promoted corn and soybean harvesting. Meanwhile in the **Southeast**, dry, mild weather aided fieldwork operations, including cotton, soybean, and peanut harvesting. In the **West**, significant precipitation was confined to the **Southwest and Pacific Northwest**. Rainfall became locally heavy (more than 2 inches in **central Arizona**) toward week's end across the **Southwest**, hampering fieldwork but easing long-term moisture deficits.

As the week commenced, a slow-moving cold front was draped across the **Nation's mid-section**, triggering scattered, locally heavy showers and thunderstorms from the **southern Great Plains** northeastward into the **central Corn Belt**. Twenty-four-hour rainfall (ending 8 a.m. EDT on Monday) between 1 and 2 inches were common in **northern Texas and central Oklahoma**. Meanwhile, high pressure over the **Great Basin and southern Appalachians** kept the **West and Southeast** dry and mild, with highs in the 80's°F common in the latter region. As low pressure developed and tracked northeastward along the front, enhanced precipitation (2 to 3 inches) fell on parts of the **lower Missouri Valley** on Monday, and in **Pennsylvania** during Tuesday. Maximum temperatures rebounded from the 40's and 50's°F on Sunday to near 70°F by midweek in the northern Plains and upper Midwest. Very cold air was limited to **northern New England**, with **Caribou, ME** dropping to a record low of 22°F on Tuesday. In the **West**, wet weather was confined to **coastal Washington**, while a weak Pacific system trekked northeastward into **British Columbia**.

By midweek, Indian summer conditions enveloped the **northern half of the Plains** on Wednesday as highs soared to record levels (**Rapid City, SD** 86°F and **Pierre, SD** 90°F after a low of 42°F). Farther east, additional relief from dryness occurred in **Maine** as the slow-moving storm system finally moved off the **New England coast**, dropping 1 to 2 inches of rain on the **State**. The unseasonable warmth shifted eastward on Thursday, with over a dozen daily record highs established in **Minnesota, Wisconsin, Iowa, and South Dakota**, including 82°F in **LaCrosse, WI**, 83°F at **Waterloo, IA**, 85°F in **Redwood Falls, MN**, and 87°F in **Huron, SD**. The dry, warm weather in the **Midwest and northern Plains** aided corn and soybean harvesting (at least 85 percent of the corn was harvested in **Illinois, Iowa, Minnesota, and**

**Nebraska**) as the pace was well ahead of the 5-year average (see page 9). An upper-air disturbance over **northwestern Mexico** generated unsettled weather in **southern Arizona and southwestern Texas** that included 24-hour rain totals (ending 8 a.m. EDT on Friday) of 1.89 inches at **Marfa, TX**, and 0.86 inch at **Tucson, AZ**.

Toward the week's end, the upper-air disturbance moved northeastward and weakened, generating mostly light showers in the **southern Plains**. Locally heavy thunderstorms, however, dropped over 2 inches of rain on **extreme southern Oklahoma and northern Texas**. A weak cold front advanced across the **northern Plains and upper Midwest**, lowering temperatures to more seasonal readings. In the **West**, a new Pacific storm system brought light to moderate precipitation from **northern California to Washington**, and a second upper-air disturbance dropped southward into the **Southwest**, generating widespread, unsettled weather from **Arizona** eastward into the **south-central Plains**. Daily rainfall (ending 8 a.m. EDT October 22) included **Prescott** (1.75 inches), **Page** (1.21 inches), and **Flagstaff** (0.93 inch) in **Arizona**, and **Dallas/Ft. Worth** (1.52 inches), **Borger** (1.22 inches), and **Wichita Falls** (1.21 inches) in **Texas**. In sharp contrast, Saturday marked the 26<sup>th</sup> consecutive day without measurable precipitation in **Greensboro, NC**, breaking the old record of 25 days set during August 28 - September 21, 1985. Across the remainder of the **Southeast and Delta**, the second straight week with little or no rainfall aided harvesting activities, but intensified the long-term drought.

The 2000 Atlantic and Caribbean hurricane season remained very active as the 13<sup>th</sup> and 14<sup>th</sup> named storms (Hurricane Michael and Tropical Storm Nadine) formed on October 17 and 20, respectively. However, they did not directly impact the **Nation** as they both formed and remained over the open waters of the **central Atlantic Ocean**, only generating large swells along the **East Coast**. Meanwhile, heavy windward showers continued on the **Big Island**, but decreased across the remainder of **Hawaii** as drier, warm weather covered **Kauai, Oahu, and Maui**. Farther north in **Alaska**, rainfall slackened across **southeastern sections** compared to last week, but amounts still totaled between 2 and 4 inches. Little or no precipitation and near to above-normal temperatures were reported across **western and central portions of the State**.

**Weather Data for Selected Locations in the Delta and the Bootheel**

**Weather Data for the Week Ending 10/21/00**

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 EF						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. EF		PRECIP		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
MS BATESVILLE	80	53	85	45	67	6	0.00	-0.70	0.00	1.42	25	--	--	--	--	0	0	0	0	
MS BELZONI X	82	52	85	46	67	3	0.00	-1.04	0.00	1.98	37	30.26	--	--	--	--	0	0	0	0
MS CLARKSDALE X	81	54	85	45	68	5	0.00	-0.64	0.00	0.81	18	33.39	--	--	--	--	0	0	0	0
MS CLEVELAND X	80	50	85	43	65	3	0.04	-0.44	0.04	2.28	64	33.09	87	--	--	--	0	0	1	0
MS GREENVILLE X	80	51	85	45	66	2	0.00	-0.81	0.00	--	--	--	--	--	--	--	0	0	0	0
MS GREENWOOD X	81	51	84	41	66	2	0.00	-0.84	0.00	1.11	21	29.73	75	--	--	--	0	0	0	0
MS INDIANOLA 1S	79	55	83	48	67	--	0.00	--	0.00	2.98	--	--	--	74	66	--	0	0	0	0
MS INVERNESS 5E	83	55	86	51	69	--	0.00	--	0.00	2.16	--	33.11	--	--	--	--	0	0	0	0
MS LYON	79	53	85	45	66	--	0.00	--	0.00	1.12	--	24.44	--	--	--	--	0	0	0	0
MS MOORHEAD X	83	55	86	51	69	5	0.00	-0.71	0.00	4.13	80	37.31	92	--	--	--	0	0	0	0
MS ONWARD	80	54	84	45	67	--	0.00	--	0.00	3.03	--	--	--	72	65	--	0	0	0	0
MS ROLLING FORK X	82	54	86	46	68	4	0.00	-0.96	0.00	1.16	23	24.60	61	--	--	--	0	0	0	0
MS SIDON	81	56	85	50	69	--	0.00	--	0.00	1.39	--	25.90	--	--	--	--	0	0	0	0
MS TUNICA X	78	53	85	42	66	5	0.00	-0.73	0.00	1.23	28	31.02	79	--	--	--	0	0	0	0
MS TUNICA 1W	78	52	87	42	65	--	0.00	--	0.00	0.85	--	--	--	69	64	--	0	0	0	0
MS VANCE	79	51	85	44	65	--	0.00	--	0.00	2.51	--	--	--	65	62	--	0	0	0	0
MS VICKSBURG X	80	52	83	47	66	1	0.00	-1.09	0.00	4.10	72	32.47	--	--	--	--	0	0	0	0
MS YAZOO CITY X	81	50	85	45	66	1	0.00	-1.03	0.00	3.76	72	34.55	81	--	--	--	0	0	0	0
MS STONEVILLE *	80	52	85	45	66	3	0.00	-0.70	0.00	3.20	59	40.78	101	79	65	--	0	0	0	0
MO CARDWELL	77	51	82	42	63	4	0.01	-1.12	0.01	3.37	51	30.70	75	--	--	--	0	0	1	0
MO CHARLESTON	75	51	79	45	62	6	0.07	-0.86	0.07	3.92	71	36.25	93	--	--	--	0	0	1	0
MO CLARKTON	78	52	83	43	64	6	0.00	-0.82	0.00	3.23	56	--	--	--	--	--	0	0	0	0
MO DELTA	73	47	79	41	60	2	0.22	-0.79	0.21	5.09	81	30.27	74	--	--	--	0	0	2	0
MO GLENNONVILLE	77	50	80	39	62	4	0.00	-0.82	0.00	2.86	50	31.62	87	--	--	--	0	0	0	0
MO PORTAGEVILLE-L	78	50	82	41	63	5	0.03	-0.97	0.02	3.53	58	--	--	--	--	--	0	0	2	0
MO PORTAGEVILLE	77	53	81	44	64	6	0.02	-0.98	0.02	2.81	46	38.06	96	--	--	--	0	0	1	0
MO STEELE	77	52	82	44	64	5	0.01	-1.15	0.01	2.79	46	26.59	65	--	--	--	0	0	1	0

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

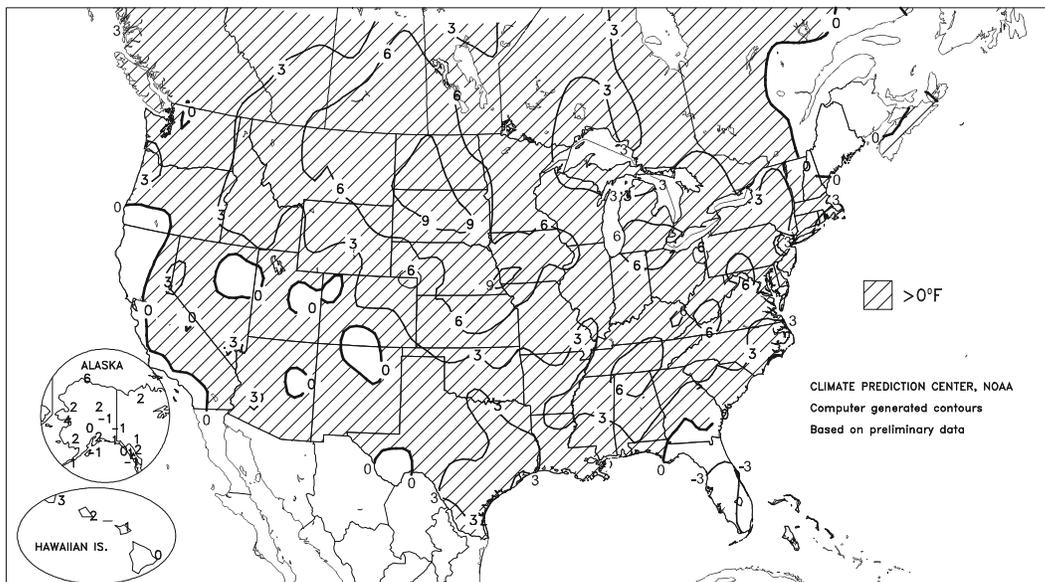
\* Based on 1964-93 normals.

X Based on 1961-90 normals.

**Delta and Bootheel Weather and Crop Summary:** Temperatures were above normal with much-below-normal rainfall for the week, promoting fieldwork in all areas. Drought conditions were still prevalent throughout the region. Most harvesting of summer crops coming to a conclusion. Winter grains were planted in many areas, with some emergence being reported in select locations.

Departure of Average Temperature from Normal (°F)

OCT 15 - 21, 2000



National Weather Data for Selected Cities

Weather Data for the Week Ending October 21, 2000

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

STATES AND STATIONS	TEMPERATURE EF						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. EF		PRECIP	
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE
AL BIRMINGHAM	80	55	83	48	68	7	0.00	-0.61	0.00	2.92	50	40.07	91	89	42	0	0	0	0
HUNTSVILLE	80	54	84	46	67	7	0.00	-0.72	0.00	1.83	29	31.64	70	83	46	0	0	0	0
MOBILE	82	57	84	47	69	2	0.03	-0.56	0.01	3.94	50	30.44	57	95	51	0	0	3	0
AK ANCHORAGE	84	53	85	42	68	3	0.02	-0.50	0.01	7.56	132	25.33	58	95	40	0	0	2	0
BARROW	41	29	46	21	35	2	0.01	-0.43	0.01	3.17	76	12.32	94	91	83	0	5	1	0
FAIRBANKS	23	13	26	2	18	6	0.06	-0.04	0.02	0.99	108	5.18	131	93	88	0	7	5	0
JUNEAU	32	12	41	8	22	-1	0.01	-0.18	0.01	2.29	150	10.03	113	94	89	0	7	1	0
KODIAK	47	40	49	35	43	1	1.25	-0.53	0.42	18.92	155	57.16	134	95	90	0	0	7	0
NOME	45	33	47	27	39	-1	1.88	0.27	1.08	10.67	89	42.15	80	93	86	0	3	5	2
AZ FLAGSTAFF	35	25	43	18	30	3	0.21	-0.07	0.12	3.42	100	16.00	127	83	73	0	7	2	0
PHOENIX	64	28	67	24	46	0	0.43	0.07	0.43	1.47	47	11.88	66	80	24	0	6	1	0
TUCSON	86	64	92	58	75	2	0.42	0.28	0.40	1.62	124	5.81	100	55	34	2	0	2	0
YUMA	81	58	87	54	69	0	1.20	0.98	0.82	3.29	135	9.36	94	76	47	0	0	3	1
AR FORT SMITH	89	66	91	58	78	3	0.19	0.13	0.05	0.19	40	1.18	50	47	34	3	0	2	0
LITTLE ROCK	75	53	80	48	64	3	0.75	-0.09	0.37	4.96	87	27.18	83	10	60	0	0	4	0
CA BAKERSFIELD	76	54	84	47	65	3	0.04	-0.80	0.02	3.86	59	28.57	72	93	47	0	0	3	0
FRESNO	79	53	87	50	66	-1	0.00	-0.07	0.00	0.14	41	4.71	110	73	50	0	0	0	0
LOS ANGELES	76	54	81	52	65	1	0.01	-0.12	0.01	1.72	319	14.12	186	88	65	0	0	1	0
REDDING	69	59	72	55	64	-2	0.02	-0.06	0.01	0.24	52	10.09	120	92	74	0	0	2	0
SACRAMENTO	74	47	81	45	61	-1	0.14	-0.40	0.14	4.27	195	31.35	145	88	55	0	0	1	0
SAN DIEGO	78	49	82	47	64	1	0.01	-0.25	0.01	0.29	30	22.12	187	99	34	0	0	1	0
SAN FRANCISCO	69	61	71	56	65	-2	0.01	-0.08	0.01	0.19	46	5.60	84	93	83	0	0	1	0
STOCKTON	68	53	76	50	61	0	0.00	-0.30	0.00	0.10	11	19.57	148	91	72	0	0	0	0
CO ALAMOSA	79	49	82	46	64	0	0.00	-0.19	0.00	0.49	63	11.95	128	91	56	0	0	0	0
CO SPRINGS	63	17	66	12	40	-2	0.00	-0.16	0.00	0.41	29	3.73	57	67	27	0	7	0	0
DENVER	67	36	73	32	52	3	0.00	-0.19	0.00	1.00	52	16.04	106	74	22	0	1	0	0
GRAND JUNCTION	71	38	78	30	55	5	0.00	-0.22	0.00	1.64	85	13.88	102	69	20	0	1	0	0
PUEBLO	70	38	72	34	54	1	0.02	-0.20	0.02	0.96	65	6.16	88	48	25	0	0	1	0
CT BRIDGEPORT	72	33	79	29	53	1	0.00	-0.13	0.00	0.41	32	10.67	105	67	32	0	3	0	0
HARTFORD	64	47	74	40	56	1	0.35	-0.35	0.29	5.03	98	39.03	117	89	61	0	0	2	0
DC WASHINGTON	64	45	77	37	55	4	0.61	-0.19	0.51	4.97	80	37.27	106	94	64	0	0	3	1
DE WILMINGTON	73	54	80	49	64	5	0.01	-0.68	0.01	4.93	92	36.40	116	97	59	0	0	1	0
FL DAYTONA BEACH	70	48	79	38	59	4	0.08	-0.55	0.06	6.71	125	39.72	120	95	55	0	0	2	0
JACKSONVILLE	80	59	82	53	70	-3	0.00	-0.87	0.00	14.27	153	38.01	92	96	48	0	0	0	0
KEY WEST	81	53	83	47	67	-2	0.08	-0.48	0.08	13.40	145	37.37	82	97	43	0	0	1	0
MIAMI	82	71	84	65	76	-4	0.00	-0.96	0.00	10.19	113	32.50	97	85	58	0	0	0	0
ORLANDO	85	71	86	68	78	0	0.28	-0.94	0.24	28.76	246	53.94	108	84	52	0	0	2	0
PENSACOLA	83	59	85	53	71	-4	0.08	-0.38	0.08	7.70	99	27.71	64	94	46	0	0	1	0
TALLAHASSEE	***	***	***	***	***	***	0.61	-0.32	0.59	11.09	134	31.31	59	***	***	***	***	3	1
TAMPA	84	49	86	40	67	-1	0.00	-0.61	0.00	14.73	194	39.01	70	98	39	0	0	0	0
WEST PALM	84	62	87	58	73	-1	0.00	-0.37	0.00	5.21	69	26.45	67	95	43	0	0	0	0
GA ATHENS	83	66	83	61	74	-3	0.94	-0.49	0.94	11.97	91	32.75	63	90	55	0	0	1	1
ATLANTA	79	50	83	43	65	4	0.00	-0.74	0.00	5.06	91	27.74	68	93	43	0	0	0	0
AUGUSTA	77	55	80	49	66	5	0.00	-0.69	0.00	5.80	106	27.94	67	87	52	0	0	0	0
COLUMBUS	81	48	84	38	65	2	0.00	-0.63	0.00	6.05	122	33.25	88	99	41	0	0	0	0
MACON	81	55	84	45	68	3	0.05	-0.43	0.05	6.01	128	28.21	68	90	39	0	0	1	0
SAVANNAH	81	50	85	41	65	1	0.09	-0.38	0.08	11.54	272	33.43	91	99	42	0	0	2	0
HI HILO	82	51	84	43	66	0	0.00	-0.50	0.00	7.45	121	33.05	76	10	44	0	0	0	0
HONOLULU	82	69	86	66	76	0	5.43	3.22	2.54	20.40	139	85.46	86	93	81	0	0	7	2
KAHULUI	87	75	89	74	81	2	0.00	-0.55	0.00	1.00	45	4.83	34	76	69	0	0	0	0
LIHUE	86	71	89	64	78	0	0.05	-0.25	0.05	1.03	96	5.37	37	82	71	0	0	1	0
ID BOISE	84	76	85	74	80	3	0.09	-0.95	0.08	7.83	150	17.80	58	79	73	0	0	2	0
LEWISTON	68	45	78	38	57	6	0.45	0.28	0.29	2.65	212	10.02	112	74	49	0	0	2	0
POCATELLO	62	43	73	38	53	2	0.40	0.19	0.31	3.57	261	11.46	117	90	75	0	0	2	0
CHICAGO/O'HARE	66	33	72	30	49	2	0.04	-0.17	0.02	1.83	127	7.53	79	84	44	0	4	2	0
MOLINE	68	45	77	38	57	5	0.08	-0.44	0.08	4.72	86	28.55	96	90	52	0	0	1	0
PEORIA	72	44	81	40	58	6	0.01	-0.62	0.01	6.47	107	33.77	101	94	54	0	0	1	0
ROCKFORD	69	47	77	41	58	5	0.04	-0.53	0.04	4.23	74	21.72	72	95	54	0	0	1	0
SPRINGFIELD	69	43	78	37	56	6	0.02	-0.61	0.01	8.65	149	39.69	129	95	57	0	0	2	0
EVANSVILLE	69	47	77	38	58	4	0.10	-0.47	0.08	5.93	116	27.79	95	96	67	0	0	3	0
FORT WAYNE	71	49	75	42	60	4	0.40	-0.25	0.22	5.64	116	41.01	118	93	72	0	0	4	0
INDIANAPOLIS	68	46	76	41	57	5	0.35	-0.20	0.22	6.20	144	32.18	114	95	56	0	0	3	0
SOUTH BEND	70	48	75	40	59	5	0.41	-0.18	0.25	7.88	171	35.01	108	92	54	0	0	3	0
BURLINGTON	69	46	75	38	58	7	0.08	-0.61	0.04	5.15	90	31.40	99	93	60	0	0	3	0
IA CEDAR RAPIDS	71	47	79	42	59	6	0.01	-0.62	0.01	7.77	126	29.97	97	92	41	0	0	1	0
DES MOINES	72	42	81	37	57	6	0.01	-0.47	0.01	5.09	92	28.96	98	94	44	0	0	1	0
DUBUQUE	73	49	82	45	61	9	0.01	-0.56	0.01	1.79	33	18.01	62	78	50	0	0	1	0
SIoux CITY	69	44	79	39	57	8	0.00	-0.57	0.00	3.99	61	29.57	90	89	51	0	0	0	0
WATERLOO	74	39	84	35	56	5	0.17	-0.24	0.16	1.34	31	19.62	84	86	54	0	0	2	0
CONCORDIA	72	41	83	35	56	7	0.03	-0.53	0.03	3.05	57	32.81	110	90	47	0	0	1	0
DODGE CITY	76	52	82	44	64	9	0.00	-0.43	0.00	1.58	36	15.17	58	83	53	0	0	0	0
GOODLAND	74	48	80	43	61	5	0.08	-0.20	0.08	0.44	16	18.88	96	94	42	0	0	1	0
TOPEKA	73	39	79	33	56	5	0.00	-0.19	0.00	1.43	64	14.48	86	75	38	0	0	0	0
	74	49	82	43	62	7	0.03	-0.64	0.02	5.56	93	24.16	78	95	60	0	0	2	0

Weather Data for the Week Ending October 21, 2000

STATES AND STATIONS	TEMPERATURE EF						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. EF		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	75	52	80	47	64	7	0.63	0.16	0.39	2.04	40	26.68	103	96	56	0	0	3	0
KY JACKSON	73	52	79	45	63	7	0.87	0.15	0.72	5.84	101	40.11	100	90	41	0	0	2	1
KY LEXINGTON	72	50	78	40	61	5	0.33	-0.24	0.23	5.79	118	36.13	99	88	54	0	0	2	0
KY LOUISVILLE	71	52	77	45	62	6	0.21	-0.40	0.09	6.34	128	42.24	117	94	63	0	0	4	0
LA PADUCAH	74	48	79	41	61	3	0.06	-0.61	0.04	4.21	74	40.36	103	95	47	0	0	3	0
LA BATON ROUGE	82	54	84	49	68	0	0.03	-0.72	0.03	4.11	57	24.67	49	97	44	0	0	1	0
LA LAKE CHARLES	83	58	85	53	70	2	0.37	-0.48	0.37	3.58	43	36.69	83	99	49	0	0	1	0
LA NEW ORLEANS	81	60	85	52	70	2	0.00	-0.63	0.00	7.60	100	24.47	48	95	61	0	0	0	0
LA SHREVEPORT	79	57	86	48	68	3	0.17	-0.69	0.16	2.82	51	40.43	111	97	49	0	0	2	0
ME CARIBOU	50	30	61	22	40	-2	0.58	-0.11	0.50	3.21	58	31.53	109	90	57	0	4	2	1
ME PORTLAND	59	39	73	34	49	1	1.34	0.43	0.85	4.94	88	31.31	94	89	58	0	0	3	1
MD BALTIMORE	73	48	80	39	60	5	0.06	-0.60	0.06	5.64	104	37.89	115	93	58	0	0	1	0
MA BOSTON	63	48	75	42	55	1	1.34	0.58	1.07	5.15	98	36.01	112	91	60	0	0	3	1
MA WORCESTER	58	42	71	37	50	1	0.62	-0.37	0.31	4.75	69	36.71	97	92	57	0	0	4	0
MI ALPENA	60	36	78	28	48	2	0.02	-0.43	0.01	4.61	101	21.52	90	93	56	0	2	2	0
MI GRAND RAPIDS	66	46	74	39	56	8	0.02	-0.59	0.02	7.33	119	36.62	126	96	56	0	0	1	0
MI HOUGHTON LAKE	62	38	74	32	50	4	0.00	-0.47	0.00	2.42	49	22.36	96	92	54	0	2	0	0
MI LANSING	66	43	73	35	55	7	0.09	-0.35	0.06	7.11	142	28.07	112	99	64	0	0	3	0
MI MUSKEGON	65	45	70	36	55	6	0.90	0.29	0.89	6.83	118	30.64	120	96	61	0	0	2	1
MI TRAVERSE CITY	63	39	77	34	51	3	0.01	-0.57	0.01	7.26	123	25.84	106	94	54	0	0	1	0
MN DULUTH	58	37	76	32	47	4	0.00	-0.53	0.00	2.99	53	24.14	92	88	57	0	1	0	0
MN INT'L FALLS	58	32	75	23	45	4	0.04	-0.37	0.03	2.46	54	19.15	88	89	50	0	5	2	0
MN MINNEAPOLIS	66	43	84	34	54	6	0.12	-0.36	0.08	2.29	54	24.89	99	82	49	0	0	2	0
MN ROCHESTER	65	41	79	31	53	6	0.03	-0.47	0.02	1.84	36	37.10	141	87	54	0	1	2	0
MN ST. CLOUD	65	33	85	26	49	4	0.00	-0.48	0.00	1.91	40	16.60	67	92	41	0	3	0	0
MS JACKSON	80	51	82	47	66	3	0.00	-0.73	0.00	4.97	88	30.98	71	99	44	0	0	0	0
MS MERIDIAN	80	50	83	41	65	2	0.32	-0.36	0.32	5.22	94	28.47	63	96	52	0	0	1	0
MS TUPELO	82	54	86	49	68	7	0.00	-0.77	0.00	2.46	42	30.23	69	88	41	0	0	0	0
MO COLUMBIA	72	49	78	46	60	5	0.57	-0.14	0.44	4.91	81	36.47	112	92	54	0	0	2	0
MO KANSAS CITY	73	49	81	43	61	5	0.02	-0.68	0.01	4.51	62	29.39	88	96	55	0	0	2	0
MO SAINT LOUIS	70	52	77	47	61	4	0.84	0.24	0.60	5.12	104	33.14	109	92	66	0	0	2	1
MO SPRINGFIELD	71	50	77	45	60	3	1.18	0.40	0.86	3.98	56	29.78	85	95	60	0	0	3	1
MT BILLINGS	67	41	76	36	54	6	0.02	-0.23	0.02	2.04	94	10.77	82	60	25	0	0	1	0
MT BUTTE	60	29	67	26	45	5	0.12	-0.02	0.10	2.28	130	7.55	69	94	33	0	7	2	0
MT GLASGOW	69	37	80	32	53	8	0.00	-0.13	0.00	0.96	66	12.00	118	71	44	0	2	0	0
MT GREAT FALLS	65	39	73	31	52	5	0.14	-0.03	0.14	2.52	140	9.02	67	71	27	0	2	1	0
MT KALISPELL	60	32	69	29	46	5	0.16	-0.03	0.12	1.60	86	8.48	64	92	61	0	4	3	0
MT MILES CITY	71	40	81	35	56	9	0.01	-0.18	0.01	1.63	85	11.38	90	82	26	0	0	1	0
MT MISSOULA	58	35	65	32	47	4	0.19	0.02	0.12	4.69	286	11.17	99	93	72	0	1	3	0
NE GRAND ISLAND	77	41	85	36	59	8	0.00	-0.27	0.00	1.19	31	15.63	69	81	39	0	0	0	0
NE LINCOLN	76	44	84	36	60	8	0.00	-0.44	0.00	1.73	34	20.06	79	85	44	0	0	0	0
NE NORFOLK	76	41	84	36	58	8	0.04	-0.30	0.04	1.52	42	18.57	81	81	43	0	0	1	0
NE NORTH PLATTE	74	32	80	26	53	4	0.00	-0.20	0.00	1.38	60	12.67	71	86	25	0	4	0	0
NE OMAHA	75	48	83	45	62	10	0.08	-0.40	0.08	1.25	23	21.57	81	82	58	0	0	1	0
NE SCOTTSBLUFF	72	32	80	28	52	3	0.00	-0.17	0.00	2.36	141	11.61	84	81	33	0	6	0	0
NE VALENTINE	76	36	86	30	56	8	0.02	-0.17	0.02	1.32	61	17.75	104	84	33	0	1	1	0
NV ELY	66	27	70	23	47	2	0.11	-0.08	0.00	0.76	46	8.39	99	70	26	0	6	1	0
NV LAS VEGAS	82	59	86	53	70	3	0.00	-0.06	0.00	0.11	28	2.63	81	37	26	0	0	0	0
NV RENO	71	37	77	34	54	4	0.00	-0.08	0.00	0.94	154	6.03	109	64	36	0	0	0	0
NV WINNEMUCCA	68	30	75	29	49	1	0.05	-0.09	0.05	1.80	228	8.54	138	92	45	0	6	1	0
NH CONCORD	61	38	76	30	50	3	0.90	0.16	0.58	5.48	111	31.89	112	94	56	0	2	2	1
NJ NEWARK	68	50	80	43	59	2	0.32	-0.36	0.26	4.65	82	36.43	102	93	66	0	0	3	0
NM ALBUQUERQUE	68	47	71	44	57	1	0.12	-0.07	0.10	1.91	117	5.98	78	76	35	0	0	2	0
NY ALBANY	61	44	73	35	52	3	1.51	0.88	1.14	5.50	113	40.63	140	94	57	0	0	4	1
NY BINGHAMTON	60	45	72	37	53	5	2.29	1.66	1.54	6.96	133	40.93	138	89	68	0	0	3	2
NY BUFFALO	62	47	68	39	54	4	0.14	-0.55	0.09	4.90	88	32.78	109	95	67	0	0	4	0
NY ROCHESTER	62	47	73	40	54	4	0.35	-0.20	0.24	5.04	109	31.58	124	93	66	0	0	4	0
NY SYRACUSE	62	44	70	37	53	3	1.40	0.68	1.00	5.30	89	31.23	101	94	62	0	0	4	1
NC ASHEVILLE	74	42	77	34	58	3	0.00	-0.80	0.00	3.31	53	29.01	74	98	42	0	0	0	0
NC CHARLOTTE	78	48	82	41	63	3	0.00	-0.75	0.00	5.84	101	30.96	88	92	41	0	0	0	0
NC GREENSBORO	76	50	81	44	63	5	0.00	-0.79	0.00	10.12	171	35.72	102	92	43	0	0	0	0
NC HATTERAS	73	57	77	50	65	1	0.04	-1.09	0.02	10.77	124	48.84	109	98	64	0	0	3	0
NC RALEIGH	77	47	81	40	62	3	0.00	-0.63	0.00	3.83	75	35.07	102	99	48	0	0	0	0
NC WILMINGTON	79	50	82	45	64	0	0.01	-0.55	0.01	8.16	118	47.49	102	99	44	0	0	1	0
ND BISMARCK	71	37	82	32	54	9	0.01	-0.18	0.01	1.73	80	19.50	137	87	46	0	2	1	0
ND DICKINSON	70	39	82	29	55	10	0.00	-0.20	0.00	0.87	36	12.41	83	80	27	0	1	0	0
ND FARGO	63	39	72	34	51	6	0.00	-0.37	0.00	4.53	142	28.59	163	83	47	0	0	0	0
ND GRAND FORKS	63	34	74	30	49	6	0.57	0.31	0.29	2.87	90	19.11	114	90	41	0	4	2	0
ND JAMESTOWN	65	36	74	34	51	7	0.00	-0.20	0.00	3.33	135	19.96	128	92	41	0	0	0	0
ND WILLISTON	70	32	80	22	51	7	0.00	-0.16	0.00	1.82	96	14.88	120	78	42	0	4	0	0
OH AKRON-CANTON	66	47	71	43	56	5	0.24	-0.27	0.20	5.28	108	39.70	132	96	68	0	0	2	0
OH CINCINNATI	69	48	74	38	58	4	0.10	-0.55	0.08	6.16	129	40.31	119	95	62	0	0	2	0
OH CLEVELAND	66	49	72	43	57	5	0.19	-0.36	0.15	6.29	122	34.72	118	97	71	0	0	3	0
OH COLUMBUS	68	49	73	42	59	7	0.67	0.20	0.67	6.73	154	36.98	118	93	66	0	0	1	1
OH DAYTON	68	48	74	44	58	5	0.44	-0.12	0.38	6.36	153	29.59	99	93	56	0	0	4	0
OH MANSFIELD	66	48	72	44	57	5	0.47	-0.04	0.26	4.17	85	34.81	108	94	53	0	0	3	0

Based on 1961-90 normals

Weather Data for the Week Ending October 21, 2000

STATES AND STATIONS	TEMPERATURE EF						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. EF		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	67	48	74	42	57	7	0.18	-0.29	0.10	7.45	174	34.36	129	94	67	0	0	3	0
OK YOUNGSTOWN	66	47	74	42	57	7	0.09	-0.49	0.07	4.81	91	31.19	102	92	63	0	0	2	0
OK OKLAHOMA CITY	72	55	78	48	63	2	1.90	1.19	1.40	3.77	62	27.60	95	97	64	0	0	3	1
OK TULSA	76	54	82	48	65	4	1.70	0.90	0.69	3.01	41	31.51	92	92	56	0	0	4	2
OR ASTORIA	66	53	70	48	59	7	2.09	0.72	0.96	5.91	92	41.14	94	83	76	0	0	7	2
OR BURNS	61	31	73	28	46	2	0.17	0.00	0.17	2.51	249	9.16	126	91	60	0	5	1	0
OR EUGENE	65	45	71	39	55	2	1.87	1.05	1.02	3.80	106	31.89	103	95	75	0	0	5	1
OR MEDFORD	66	42	73	36	54	0	0.57	0.22	0.55	1.54	89	16.24	139	94	51	0	0	3	1
OR PENDLETON	62	43	70	36	52	1	0.66	0.46	0.64	3.74	337	14.14	167	84	64	0	0	2	1
OR PORTLAND	64	48	71	43	56	2	1.40	0.77	0.74	4.41	131	23.77	100	94	78	0	0	6	1
OR SALEM	64	45	71	39	55	3	1.25	0.54	0.69	3.13	94	23.77	96	97	82	0	0	6	1
PA ALLENTOWN	65	44	77	33	55	3	0.78	0.14	0.59	4.37	74	37.30	106	95	71	0	0	3	1
PA ERIE	62	50	70	44	56	4	0.11	-0.72	0.06	5.71	82	37.88	116	89	71	0	0	2	0
PA MIDDLETOWN	70	48	79	39	59	6	0.36	-0.29	0.21	9.04	165	36.65	112	97	57	0	0	2	0
PA PHILADELPHIA	69	51	79	44	60	5	0.44	-0.14	0.41	9.47	183	39.24	116	95	68	0	0	2	0
PA PITTSBURGH	67	48	73	42	57	6	0.13	-0.39	0.13	4.98	109	35.89	118	92	56	0	0	1	0
PA WILKES-BARRE	64	45	72	36	54	4	1.13	0.52	0.57	4.54	87	31.87	107	92	59	0	0	3	2
PA WILLIAMSPORT	68	45	77	34	56	5	1.37	0.63	0.81	5.56	100	36.93	112	96	57	0	0	2	2
RI PROVIDENCE	65	46	78	42	56	3	0.78	-0.06	0.69	4.35	73	36.30	102	91	60	0	0	2	1
SC BEAUFORT	80	54	84	48	67	0	0.00	-0.54	0.00	6.51	95	30.88	68	97	45	0	0	0	0
SC CHARLESTON	81	53	83	47	67	1	0.02	-0.60	0.02	8.90	131	40.59	90	93	42	0	0	1	0
SC COLUMBIA	80	50	83	41	65	3	0.00	-0.68	0.00	6.31	110	31.97	75	89	37	0	0	0	0
SC GREENVILLE	80	52	84	46	66	7	0.00	-0.90	0.00	4.24	63	29.03	69	78	35	0	0	0	0
SD ABERDEEN	70	35	80	31	52	6	0.00	-0.24	0.00	0.84	31	19.55	113	83	42	0	2	0	0
SD HURON	75	39	87	32	57	10	0.02	-0.30	0.01	0.78	28	16.29	88	85	30	0	1	2	0
SD RAPID CITY	75	37	86	29	56	8	0.00	-0.25	0.00	0.82	41	15.51	101	70	22	0	1	0	0
SD SIOUX FALLS	69	38	83	32	53	6	0.12	-0.25	0.12	2.02	47	22.13	102	82	49	0	1	1	0
TN BRISTOL	75	42	79	35	59	3	0.00	-0.58	0.00	1.74	35	31.50	94	95	37	0	0	0	0
TN CHATTANOOGA	79	52	82	43	66	7	0.11	-0.59	0.00	3.71	59	38.53	90	88	49	0	0	1	0
TN KNOXVILLE	76	49	79	41	63	6	0.00	-0.64	0.00	3.83	77	40.25	106	93	46	0	0	0	0
TN MEMPHIS	78	56	85	48	67	5	0.02	-0.65	0.02	1.55	28	27.50	68	91	52	0	0	1	0
TX NASHVILLE	77	53	82	44	65	6	0.00	-0.57	0.00	2.10	41	32.55	86	85	46	0	0	0	0
TX ABILENE	72	59	78	52	65	-1	4.51	3.96	3.42	5.64	113	15.86	75	94	77	0	0	6	2
TX AMARILLO	71	50	74	45	60	3	0.64	0.34	0.48	0.74	25	12.73	71	98	54	0	0	3	0
TX AUSTIN	81	62	87	58	72	2	3.08	2.31	0.94	4.87	85	22.04	83	96	71	0	0	5	3
TX BEAUMONT	83	61	87	53	72	3	0.04	-0.88	0.03	4.52	49	34.28	74	97	49	0	0	2	0
TX BROWNSVILLE	87	68	89	64	78	3	0.01	-0.53	0.01	3.08	38	14.40	62	96	57	0	0	1	0
TX CORPUS CHRISTI	86	68	89	65	77	4	0.00	-0.61	0.00	3.72	48	20.52	77	95	59	0	0	0	0
TX DEL RIO	76	64	80	61	70	0	1.76	1.27	1.57	6.09	137	14.43	90	95	82	0	0	5	1
TX EL PASO	74	54	80	50	64	1	0.25	0.10	0.20	0.43	19	5.54	73	77	37	0	0	3	0
TX FORT WORTH	77	61	85	56	69	3	1.07	0.28	0.78	1.54	26	20.10	70	91	58	0	0	3	1
TX GALVESTON	80	68	84	64	74	2	0.21	-0.36	0.13	7.77	98	23.32	67	92	69	0	1	3	0
TX HOUSTON	83	62	87	55	72	3	0.66	-0.28	0.37	7.14	91	35.97	96	96	58	0	0	4	0
TX LUBBOCK	71	51	75	47	61	1	0.77	0.37	0.64	0.86	22	16.69	99	97	73	0	0	5	1
TX MIDLAND	72	55	77	50	63	0	0.63	0.26	0.35	0.64	16	6.69	50	94	73	0	0	4	0
TX SAN ANGELO	74	58	79	51	66	1	0.68	0.17	0.42	1.57	30	8.89	50	96	75	0	0	5	0
TX SAN ANTONIO	81	66	86	63	74	5	2.41	1.70	1.82	7.54	135	24.97	97	94	62	0	0	5	1
TX VICTORIA	85	65	89	60	75	4	0.92	0.29	0.73	3.75	47	26.54	83	99	63	0	0	5	1
TX WACO	78	62	87	60	70	2	3.10	2.35	1.03	4.21	72	25.99	97	94	74	0	0	6	4
TX WICHITA FALLS	74	59	80	54	67	4	3.48	2.90	1.21	3.68	63	16.59	66	92	63	0	0	4	3
UT SALT LAKE CITY	66	40	72	36	53	1	0.16	-0.17	0.16	2.96	130	12.64	97	84	35	0	0	1	0
VT BURLINGTON	60	40	70	33	50	3	0.44	-0.20	0.40	4.67	89	32.17	115	86	55	0	0	3	0
VA LYNCHBURG	75	46	81	39	61	5	0.00	-0.85	0.00	4.09	71	32.06	96	94	44	0	0	0	0
VA NORFOLK	73	54	78	48	64	4	0.00	-0.69	0.00	6.36	105	46.91	125	96	55	0	0	0	0
VA RICHMOND	75	50	80	44	63	5	0.01	-0.79	0.01	3.76	66	39.26	110	95	52	0	0	1	0
VA ROANOKE	75	47	80	42	61	6	0.10	-0.78	0.00	5.99	98	33.95	101	89	46	0	0	1	0
VA WASH/DULLES	73	47	80	40	60	6	0.14	-0.58	0.08	4.36	79	32.55	100	92	52	0	0	3	0
WA OLYMPIA	59	42	67	35	50	1	2.90	1.88	0.82	6.47	133	34.22	105	96	87	0	0	6	4
WA QUILLAYUTE	56	42	60	33	49	-1	5.14	2.63	1.86	11.42	99	72.60	102	10	91	0	0	7	4
WA SEATTLE-TACOMA	58	45	66	40	52	0	2.23	1.47	0.93	3.92	102	22.64	94	96	81	0	0	5	2
WA SPOKANE	58	38	72	28	48	2	0.58	0.35	0.56	1.56	118	12.32	107	92	48	0	2	3	1
WA YAKIMA	63	38	70	27	50	1	0.12	0.01	0.10	0.50	74	5.18	97	77	54	0	3	2	0
WV BECKLEY	68	46	74	37	57	6	0.41	-0.22	0.33	6.73	127	36.21	107	85	53	0	0	2	0
WV CHARLESTON	73	47	77	39	60	5	0.47	-0.18	0.47	3.63	70	35.14	102	10	48	0	0	1	0
WV ELKINS	71	40	75	35	55	6	0.39	-0.30	0.33	9.41	161	40.48	109	99	39	0	0	2	0
WV HUNTINGTON	73	48	78	39	60	5	0.48	-0.16	0.37	4.48	93	35.73	105	97	53	0	0	3	0
WI EAU CLAIRE	65	36	81	29	51	5	0.03	-0.49	0.03	10.08	178	35.67	126	94	44	0	1	1	0
WI GREEN BAY	62	40	74	35	51	4	0.00	-0.48	0.00	4.29	85	28.72	117	92	58	0	0	0	0
WI LA CROSSE	67	41	82	35	54	5	0.03	-0.43	0.03	2.19	41	27.57	102	89	42	0	0	1	0
WI MADISON	66	39	77	34	53	5	0.03	-0.43	0.03	4.03	82	36.65	139	91	55	0	0	1	0
WI MILWAUKEE	64	45	77	40	55	6	0.03	-0.49	0.02	7.73	153	40.00	146	92	64	0	0	2	0
WY CASPER	66	34	72	25	50	5	0.00	-0.22	0.00	1.71	107	9.84	91	62	33	0	3	0	0
WY CHEYENNE	65	34	71	30	49	3	0.00	-0.16	0.00	3.02	168	12.38	94	67	27	0	4	0	0
WY LANDER	64	35	70	30	50	4	0.01	-0.24	0.01	1.14	60	6.88	61	62	34	0	2	1	0
WY SHERIDAN	70	31	78	28	51	5	0.00	-0.26	0.00	1.57	71	12.68	101	78	34	0	5	0	0

Based on 1961-90 normals

\*\*\* Not Available

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

## National Agricultural Summary

October 16 - 22, 2000

Weekly National Agricultural Summary provided by USDA/NASS

### HIGHLIGHTS

**Above-normal temperatures ripened late-maturing crops, and dry weather aided harvest across most of the Nation. Rain halted harvest activities near midweek in the southern Great Plains. However, the precipitation provided much-needed moisture supplies for winter grains. Rain also limited harvest progress in the interior Southwest and parts of**

**the Northeast. Seeding of winter grains continued in the Great Plains, even though many areas did not have topsoil moisture available to germinate seeds. In the Corn Belt, winter wheat seeding accelerated as growers finished fall harvest chores. Warm weather stimulated growth of winter crops where soil moisture was available.**

**Corn:** Harvest advanced to 78 percent complete, ahead of last year's 72-percent pace and more than 2 weeks ahead of the 58-percent average for this date. Dry weather aided progress across most of the Corn Belt, with brief rain delays limited to the Ohio and mid-Mississippi River Valleys. Harvest neared completion far ahead of normal in the western Corn Belt. The harvest pace accelerated in the eastern Corn Belt, but progress remained behind normal in Ohio and Michigan. The harvest rapidly progressed in the Great Plains, advancing 24 and 23 percentage points in Colorado and North Dakota, respectively. Wet weather interfered with harvest progress in Pennsylvania. By the end of the week, the harvest was virtually complete in Tennessee and Kansas.

**Soybeans:** Harvest was 84 percent complete, equal to last year's pace, but ahead of the 78-percent average for this date. Harvest remained active across the Corn Belt and northern Great Plains, although very little acreage remained unharvested in Iowa, Minnesota, and North Dakota. The harvest pace was most active in the Great Lakes region, advancing 22 and 18 percentage points in Michigan and Wisconsin, respectively. Despite the rapid progress, harvest lagged well behind the 5-year average in Michigan. Progress also lagged slightly behind normal in Indiana and Ohio, where growers harvested 17 and 15 percent, respectively, during the week. Dry weather aided steady progress in the lower Mississippi Valley. The harvest gained momentum on the Atlantic Coastal Plains, where warm weather quickly ripened fields.

**Cotton:** Sixty percent of the crop was picked, about 1 week ahead of this time last year and the 5-year average. The harvest continued without rain delays in the lower Mississippi Valley and Southeast. Georgia and Arkansas growers picked 13 and 12 percent of the acreage, respectively. The harvest advanced 10 percentage points in Missouri, Tennessee, Virginia, and the Carolinas. Widespread heavy rains shortened the harvest week in the southern Great Plains. Texas and Oklahoma growers only harvested about 5 percent of the crop during the week. In the Southwest, rain limited harvest progress in Arizona, while dry weather aided rapid progress in California.

**Winter wheat:** Seventy-five percent of the crop was planted and 41 percent was emerged, well behind the averages of 85 percent planted and 64 percent emerged. Planting and emergence were well behind normal in the southern Great Plains due to severe moisture shortages. However, late-week rains boosted topsoil moisture supplies in Oklahoma and Texas. In Kansas, seeding steadily advanced with brief rain delays that

provided much-needed topsoil moisture. Despite the precipitation, moisture shortages remained across most of the State. Moisture shortages increased in the northern Great Plains and on the High Plains, but seeding steadily advanced where growers could prepare seedbeds. Planting accelerated in the eastern Corn Belt, as growers finished harvesting row crops and focused on seeding the winter wheat crop. Seeding progressed ahead of normal in California and the Pacific Northwest. Warm weather aided emergence and growth where moisture supplies were adequate, but emergence was less than half the normal rate in Kansas, Oklahoma, and Texas. Emergence was also far behind normal in Montana and South Dakota. Fields rapidly emerged in the eastern Corn Belt, although progress remained behind normal in Illinois, Indiana, Michigan, and Ohio.

**Other Crops:** Ninety-six percent of the rice crop was harvested, equal to the average for this date, but slightly behind last year's pace. Harvest was very active in California. The harvest was nearly complete in Arkansas and Mississippi.

Ninety percent of the sorghum crop was harvested. Progress was about 2 weeks ahead of last year and more than 3 weeks ahead of the average for this date. Harvest was most active on the central and southern High Plains, where Colorado and New Mexico growers harvested 20 and 23 percent of the acreage during the week, respectively. Progress was also active in Illinois and South Dakota, as dry weather provided ideal harvest conditions. The harvest was nearly complete in Arkansas.

The sugar beet crop was 79 percent harvested in the major sugar beet-producing States. Harvest neared completion ahead of normal in Minnesota and North Dakota. Harvest accelerated in Michigan, where growers lifted more than one-fourth of their crop during the week. Harvest was active in Idaho, but progress was slightly behind normal.

The peanut crop was 71 percent dug, slightly ahead of last year's pace. Progress remained far ahead of normal in Oklahoma and slightly ahead of normal in Texas, despite late-week rain delays. Dry weather aided harvest in the Southeast, but progress remained behind the 5-year average in Alabama and Georgia. North Carolina growers dug one-fourth of their crop during the week.

Sunflowers were 72 percent harvested. South Dakota growers harvested the remainder of their crop, while North Dakota growers harvested more than one-fourth of their acreage. Harvest was active in Colorado and Kansas.

# Crop Progress and Condition

Week Ending October 22, 2000

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

Winter Wheat Percent Planted				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AR	38	21	35	34
CA	25	20	5	5
CO	98	96	100	98
ID	94	83	88	87
IL	68	45	82	78
IN	74	46	79	78
KS	84	69	96	94
MI	90	66	89	89
MO	64	50	61	58
MT	86	69	96	96
NE	99	97	99	99
NC	25	20	24	26
OH	82	61	88	87
OK	60	45	90	85
OR	81	69	51	74
SD	90	79	97	99
TX	61	54	70	77
WA	100	97	93	96
18 Sts	75	64	85	85
These 18 States planted 90% of last year's winter wheat acreage.				

Soybeans Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AR	58	44	54	48
IL	87	75	87	83
IN	82	65	89	83
IA	98	91	96	92
KS	91	89	74	69
KY	55	42	72	52
LA	94	88	94	86
MI	52	30	81	70
MN	99	98	95	93
MS	89	81	88	78
MO	80	68	69	61
NE	93	83	94	88
NC	12	8	14	12
ND	97	90	85	87
OH	73	58	85	79
SD	94	85	80	81
TN	54	39	59	38
WI	88	70	86	77
18 Sts	84	74	84	78
These 18 States harvested 95% of last year's soybean acreage.				

Cotton Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AL	76	67	60	58
AZ	48	33	28	36
AR	84	72	84	70
CA	40	20	31	29
GA	46	33	39	43
LA	97	96	96	91
MS	94	87	91	84
MO	89	79	93	65
NC	27	17	14	35
OK	59	53	55	28
SC	41	31	38	44
TN	89	79	85	68
TX	51	46	39	39
VA	24	14	18	34
14 Sts	60	52	52	50
These 14 States harvested 98% of last year's cotton acreage.				

Sorghum Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AR	98	97	100	98
CO	55	35	33	33
IL	77	63	70	50
KS	95	93	67	63
LA	100	100	100	100
MO	91	84	77	67
NE	91	86	58	57
NM	43	20	21	13
OK	73	68	52	35
SD	79	68	43	57
TX	90	88	89	80
11 Sts	90	86	74	67
These 11 States harvested 98% of last year's sorghum acreage.				

Winter Wheat Percent Emerged				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AR	14	3	13	13
CA	15	10	1	1
CO	83	72	91	89
ID	63	40	40	53
IL	28	6	42	40
IN	35	10	46	43
KS	36	24	77	75
MI	47	25	61	64
MO	33	14	28	30
MT	51	31	74	72
NE	89	82	94	95
NC	12	9	14	8
OH	44	17	67	53
OK	26	9	63	54
OR	48	36	14	44
SD	58	46	87	89
TX	22	13	49	58
WA	93	81	82	87
18 Sts	41	28	64	64
These 18 States planted 90% of last year's winter wheat acreage.				

Corn Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
CO	65	41	31	42
IL	86	74	81	67
IN	65	50	80	55
IA	91	76	78	55
KS	99	97	78	77
KY	90	87	97	86
MI	27	10	56	36
MN	85	68	69	60
MO	94	91	82	71
NE	88	81	68	51
NC	92	85	84	91
ND	51	28	41	51
OH	37	24	64	38
PA	27	22	36	41
SD	65	46	39	39
TN	100	98	100	97
TX	98	94	96	95
WI	46	29	57	39
18 Sts	78	66	72	58
These 18 States harvested 94% of last year's corn acreage.				

Peanuts Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AL	72	65	83	80
FL	90	78	93	NA
GA	77	61	81	81
NC	70	45	44	56
OK	76	67	54	53
TX	45	41	35	40
VA	96	88	83	88
7 Sts	71	59	68	NA
These 7 States harvested 98% of last year's peanut acreage.				

# Crop Progress and Condition

Week Ending October 22, 2000

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

Rice Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
AR	98	95	97	97
CA	85	70	92	84
LA	100	100	100	100
MS	97	91	96	98
TX	100	100	100	99
5 Sts	96	92	97	96
These 5 States harvested 95% of last year's rice acreage.				

Sugar Beets Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
ID	46	29	58	47
MI	38	10	NA	NA
MN	99	86	99	90
ND	99	96	100	88
4 Sts	79	65	NA	NA
These 4 States harvested 73% of last year's sugar beet acreage.				

Sunflowers Percent Harvested				
	Oct 22 2000	Prev Week	Prev Year	5-Yr Avg
CO	45	35	NA	NA
KS	88	76	61	NA
ND	59	31	32	57
SD	100	98	91	98
4 Sts	72	55	NA	NA
These 4 States harvested 90% of last year's sunflower acreage.				

VP - Very Poor

P - Poor

F - Fair

G - Good

EX - Excellent

NA - Not Available

\* - Revised

Pasture and Range Crop Condition by Percent Week Ending October 22, 2000											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	41	27	28	4	0	NH	0	2	45	53	0
AZ	17	28	32	20	3	NJ	0	0	12	88	0
AR	27	43	24	6	0	NM	35	43	20	2	0
CA	30	20	50	0	0	NY	0	0	20	60	20
CO	30	28	32	9	1	NC	4	20	39	34	3
CT	0	0	21	54	25	ND	11	17	40	28	4
DE	0	8	10	80	2	OH	2	4	23	55	16
FL	0	5	45	50	0	OK	25	37	32	6	0
GA	7	20	45	27	1	OR	3	27	30	38	2
ID	22	33	32	13	0	PA	4	17	35	41	3
IL	3	10	27	50	10	RI	0	2	4	5	89
IN	1	5	26	56	12	SC	1	11	49	37	2
IA	17	26	35	18	4	SD	19	27	32	19	3
KS	30	36	28	6	0	TN	25	28	32	14	1
KY	3	12	29	46	10	TX	34	33	27	6	0
LA	24	32	30	13	1	UT	11	41	34	12	2
ME	5	9	31	45	10	VT	5	22	54	11	8
MD	0	2	20	64	14	VA	3	10	35	48	4
MA	0	0	24	73	3	WA	2	38	39	21	0
MI	1	11	30	51	7	WV	0	0	18	68	14
MN	18	28	31	22	1	WI	6	20	37	33	4
MS	39	25	25	11	0	WY	26	41	27	6	0
MO	27	30	26	16	1	48 Sts	22	26	31	19	2
MT	35	38	22	5	0						
NE	55	31	12	2	0	Prev Wk	21	27	29	20	3
NV	7	17	31	43	2	Prev Yr	11	23	33	29	4

## 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 6.8. Topsoil 62% very short, 27% short, 11% adequate. Soybeans 97% dropping leaves, 94% 1999, 89% 5 yr avg.; 52% harvested, 50% 1999, 40% 5 yr avg. 39% very poor, 33% poor, 19% fair, 9% good. Pasture feed 41% very poor, 27% poor, 28% fair, 4% good. Livestock feed 10% very poor, 24% poor, 45% fair, 18% good, 3% excellent. Dry weather continues. Pasture, livestock conditions slipping. Winter grazing that has been planted is very slow, dormant in some areas. Low peanut and cotton yields being reported.

**ALASKA: DATA NOT AVAILABLE**

**ARIZONA:** Area recorded average temperatures with moderate precipitation throughout the state during the week of October 22. Heavy rains in some areas have adversely affected the quality of cotton, causing boll rot, discoloration. Range, pasture feed will improve from the precipitation, however, the rains were too late for summer feed.

**ARKANSAS:** Days suitable for fieldwork: 7.0. Soil moisture 30% very short, 48% short, 22% adequate. Temperatures were above normal with below normal rainfall. Rice 98% harvest, 97% 1999, 97% 5 yr. avg. Sorghum 98% harvest, 100% 1999, 98% 5 yr. avg. Cotton 100% opening bolls, 100% 1999, 99% 5yr avg.; 84% harvest, 84% 1999, 70% 5 yr avg.; Soybean 95% shedding, 83% 1999, 82% 5 yr. avg.; 84% mature; 58% harvest, 54% 1999, 48% 5 yr. avg.; 21% very poor, 26% poor, 28% fair, 21% good, 4% excellent. Alfalfa Hay 14% very poor, 30% poor, 48% fair, 8% good; Other Hay 21% very poor, 47% poor, 28% fair, 4% good. Pasture, Range feeds 27% very poor, 43% poor, 24% fair, 6% good. CROPS: Wheat planting, ground preparation continued. Soybean, cotton harvest continued with the rice, sorghum harvest near completion. Moisture is needed statewide for fall seeded crops. There was some flooding of fields for ducks. Some areas were knocking down levees, rolling stubble. LIVESTOCK: Livestock were in fair condition. Farmers continued weaning calves. Pastures were being over seeded, fertilized, but lack of precipitation have stopped or greatly reduced regrowth in most areas. Possible prussic acid poisoning in grasses was a concern when early frost followed a drought. Selling-off of some cows, light calves continued due to lack of forage, supplemental feeding of hay was reported in many counties. Cattle were still being treated for flies, external parasites. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

**CALIFORNIA:** Cotton picking was slowed by last week's rains. Some delays caused by early morning fog were also reported. Early reports suggested yields were above avg. Many fields had received at least one defoliant treatment, a second application was being applied in most fields. Growers were shredding, discing fields following cotton harvest to comply with Pink Bollworm regulations. Rice harvest was winding down. Harvesting of blackeye beans, sugarbeet, silage corn continued. Alfalfa was chopped, or was cut, baled; some fields were on the eighth cutting. Fields of vineseed, Easter Lily bulbs were being harvested. Zinnia fields, grown for seed production, were still in bloom. Ground was being prepared for fall planting of small grains. Winter wheat, other grain planting continued. Some earlier seeded fall grain fields had emerged. Alfalfa planting was also underway. Damage to crops on 4,000 acres in Fresno County, by rain, hail on October 10<sup>th</sup>, was reported to be nearly 4 million dollars. Primarily vegetable, fruit crops were affected, with some alfalfa hay fields also damaged. Vineyards, fruit orchards were undergoing weed control, fungicide applications, irrigation. Picking of grapes for fresh consumption continued in the San Joaquin Valley. Thompson Seedless, Red Globe, Ruby Seedless were the primary varieties picked. Wine grape harvest continued. Picking of grapes for raisins neared completion; 1% remained on open trays, 4% were rolled, 95% picked up. Pomegranate, fig harvests continued. Kiwifruit, olive harvesting was active. Fuji, Granny Smith apple picking continued. Picking of grapefruit was active in the San Joaquin Valley. The harvest of new crop navel oranges began in Kern County. The harvest of valencia oranges was slow in southern state, the San Joaquin Valley. Lemon picking was active in southern state. Raspberries were harvested in the Tehachapi area. Strawberry picking continued, harvested fields were being prepared for planting of next year's crop. Almond harvest continued throughout the state, with harvest in the northern counties nearing completion. Pruning in almond orchards began in some areas of the San Joaquin Valley. Walnut, pistachio harvests continued. Lettuce fields were drying. The fall head lettuce harvest continued to gain momentum; good

quality was noted. Head lettuce production was dwindling in Monterey County; labor crews were moving to fields in Huron. Broccoli was thriving, with heads forming in some earlier plantings. Harvesting of broccoli, cabbage harvest continued. Garlic, onion fields were planted for the 2001 crop. Winter vegetables were also being planted. Carrots were planted, weeded, irrigated. Tomato harvesting continued in Tulare County. The cantaloupe harvest was expected to conclude next week in Fresno County. Bell pepper harvest was winding down. Pumpkin harvest was complete in Merced County. Fall asparagus was being harvested in Southern state. String beans were being harvested in the northern part of Kings County. Harvest of brussels sprouts began in the Salinas Valley. The following vegetables were also harvested: basil; bok choy; radishes; cilantro; cucumbers; eggplant; green, yellow, long beans; mustard greens; green onions; okra; parsley; bell, chili peppers; kabocha, scalloped, yellow crookneck, zucchini squash; snap peas; spinach. "Sheep in the meadow, cows in the corn" was the quote from one of our reporters. Cows on lower elevation rangeland were being fed supplemental feed, as non-irrigated pasture feeds were fair or below. Beef cows were calving. Sheep were grazing alfalfa, sudan pastures, on stubble fields. Fall lambing was also underway. Bees were moved to winter locations. Previous precipitation initiated some germination of rangeland grasses, but more was needed soon to sustain forage growth.

**COLORADO:** Days suitable for fieldwork 6.5. Topsoil 22% very short, 40% short, 38% adequate, 0% surplus. Subsoil moisture 31% very short, 54% short, 15% adequate, 0% surplus. Warm, dry weather prevailed throughout the week but vanished quickly on the weekend with statewide moisture, cold temperatures. Harvest of most late season crops is nearing completion. Dry onions 96% harvested, 98% 1999, 99% avg. Sugar beets 46% harvested, 43% 1999, 56% avg.; 4% very poor, 8% poor, 11% fair, 65% good, 12% excellent. Summer potatoes 99% harvested, 100% 1999, 99% avg. Fall potatoes 100% harvested, 98% 1999, 98% avg. Dry beans 99% harvested, 98% 1999, 96% avg. Winter wheat 98% seeded, 100% 1999, 98% avg.; 83% emerged, 91% 1999, 89% avg. Alfalfa 100% 3<sup>rd</sup> cutting, 99% 1999, 97% avg, 80% 4<sup>th</sup> cutting, 73% 1999, 58% avg.

**DELAWARE:** Days suitable for fieldwork 6.5. Topsoil 25% short, 75% adequate. Subsoil moisture 5% short, 90% adequate, 5% surplus. 70% harvested for grain, 89% 1999, 78% avg. Soybeans 74% shedding leaves, 88% 1999, 82% avg.; 21% harvested, 16% 1999, 20% avg. Sorghum 25% harvested, 49% 1999, 35% avg. Barley 10% fair, 90% good. Winter Wheat 7% fair, 93% good. Rye 8% fair, 85% good, 7% excellent. Pasture feed 8% poor, 10% fair, 80% good, 2% excellent. Hay supplies 8% short, 92% adequate. Percent of cutting hay crop harvest; clover, other hays 73% 4<sup>th</sup> cutting cut, 87% 1999, 70% avg. Alfalfa 35% 5<sup>th</sup> cutting cut, 29% 1999, 26% avg. Apples 94% harvested, 89% 1999, 94% avg. Activities: A little rain early Wed. did little to slow down corn and soybean harvest, but helped small grain seedings. Delays at elevators are still the main factor in keeping harvest progress lower than it might otherwise be.

**FLORIDA:** Mostly dry, cool conditions persisted. Rainfall at major stations ranged from 0.00 to about 1.00 in. Most stations reported from no measurable rain to traces. Temperatures averaged from normal to 4<sup>th</sup> below. Daytime highs mostly in 80s. Most nighttime lows ranged from 40s at Tallahassee to 70s at Miami. Moisture in south Peninsula adequate. Moisture in other parts short to adequate with scattered areas of very short moisture. Cotton harvest active. Soybean, sugarcane harvests underway. Haying active weather permitting. Dry weather delayed planting of winter forages some areas. Ninety percent peanuts for nuts harvested. Dry weather increased need for irrigating vegetables. Tomato picking started Palmetto-Ruskin region, getting underway East Coast area. Cutting of eggplant began, East Coast region. Other vegetables available: Cucumbers, pickles, peppers, squash, watermelons. Dry, cool most of week, rain needed. Irrigation continues all areas, good on-tree color break for most early types of fruit, some fruit splitting continues due to wet conditions, last of September and first of October. About half of fresh fruit packing houses shipping fruit on limited basis. Only a few juice plants open, receiving packing house eliminations. Caretakers cutting cover crops, removing dead trees, burning grove trash, spraying. Pasture feed 5% poor, 45% fair, 50% good. Cattle 30% fair, 70% good. Statewide, pasture mostly in fair condition, condition reduced slightly by drought, seasonally cooler weather. Panhandle, north: Too dry to plant winter forage. Central:

condition of range shows result of lack of rain, stock ponds drying up. Statewide, cattle, calves condition mostly good.

**GEORGIA:** Days suitable for field work 6.7. Soil moisture 21% very short, 46% short, 33% adequate. Cotton 11% very poor, 22% poor, 41% fair, 22% good, 4% excellent; 95% bolls open, 94% 1999, 92% avg. Hay 6% very poor, 19% poor, 49% fair, 24% good, 2% excellent. Peanuts 89% dug, 92% 1999, 92% avg. Rye 51% planted, 51% 1999, 57% avg. Sorghum 64% harvested for grain, 76% 1999, 70% avg. Soybeans 10% very poor, 21% poor, 38% fair, 29% good, 2% excellent; 78% dropping leaves, 84% 1999, 87% avg. Other small grains 33% planted, 38% 1999, 40% avg. Apples 88% harvested, 82% 1999, 91% avg. Pecans 8% very poor, 12% poor, 34% fair, 39% good, 7% excellent; 9% harvested, 10% 1999, 12% avg. Farmers are in need rain across most of the state. Planting, growth of fall planted crops have been slowed by low soil moisture levels. Many hay producers have cut their last cutting of hay. Growth in pastures has slowed due to light frost, cooler temperatures in the past weeks. Defoliating, cotton picking was active in South State. Overall yields for cotton have been avg. However, dry conditions were good for the sorghum harvest. Combining of peanuts continued with better yields than anticipated. Apple harvest was almost complete. Pecan harvest gained momentum. Dropping leaves on soybeans continued. Planting of rye increased, some wheat has emerged.

**HAWAII:** Fair weather for crop production continued over most of the State. Although showers increased in some areas, heavy irrigation was still necessary for the rest of the islands. Winds were light to moderate with occasional stronger gusts. Banana harvesting should be near last week's level. Papaya orchards were in mostly fair to good condition with production increasing gradually. Virus control measures remain in effect. Head cabbage fields were in mostly fair to good condition. Harvesting from large plantings were light to moderate. Ginger plantings were in fair to good condition.

**IDAHO:** Days suitable for field work 6.0. Topsoil 3% very short, 32% short, 63% adequate, 2% surplus. Harvest activities across the state are coming to an end for onions, potatoes, corn for silage. Sugarbeets, corn for grain are gaining momentum throughout the state. Onions 97% harvested, 94% 1999, 97% avg. Potatoes 92% harvested, 94% 1999, 92% avg. Apples 62% harvested, 44% 1999, 64% avg. Corn 98% harvested for silage, 97% 1999, 97% avg.; 37% harvested for grain, 17% 1999, 21% avg. Sugarbeets 46% harvested, 58% 1999, 47% avg. Winter wheat 94% planted, 88% 1999, 87% avg.; 63% emerged, 40% 1999, 53% avg. Activities: Fall field work, planting winter wheat, chopping corn silage, harvesting potatoes, sugarbeets, corn for grain, apples, onions.

**ILLINOIS:** Days suitable for fieldwork 5.6. Topsoil 4% very short, 20% short, 64% adequate, 12% surplus. Fog, rain showers early in the week slowed harvest progress but drier conditions prevailed, allowed farmers to continue harvest. Topsoil moisture content is varied across the state from essentially dry in the north to wet in the south. Field conditions in areas of the south have softened to the point where wet holes in the field are being left as harvest progresses in the more solid areas of the field. Lodged corn, beans also continue to slow harvest progress in the northern areas of the state. Soybean harvest progressed with double crop beans in the south accounting for a number of the acres yet to be harvested. Other activities last week included: Spreading fertilizer, chisel plowing, the ever popular LDP processing.

**INDIANA:** Days suitable for fieldwork 5.8. Topsoil 1% very short, 8% short, 78% adequate, 13% surplus. Subsoil 5% very short, 17% short, 68% adequate, 10% surplus. Farmers had another excellent week for corn, soybean harvest. Corn harvest is 5 days ahead of avg, one week behind 1999. Soybean harvest slightly behind avg, 5 days behind 1999. Corn going down, most fields. Lodging remains major concern. Winter wheat seeding made excellent progress, still behind 1999, avg. Tobacco stripping, tillage of soils, seeding winter wheat continued. Precipitation averaged 0 to 1.26 inches. Temperatures averaged 4E to 8E above normal. Range, pasture 1% very poor, 5% poor, 26% fair, 56% good, 12% excellent. Winter wheat 1% very poor, 3% poor, 29% fair, 52% good, 15% excellent. Soybean acreage virtually all mature, except double crop soybeans. Major activities: Hauling grain to market, tilling soils, seeding winter wheat, spreading fertilizer, lime, equipment repair, hauling manure, caring for livestock.

**IOWA:** Days suitable for field work 6.5. Topsoil 41% very short, 37% short, 22% adequate. Subsoil moisture 50% very short, 33% short, 17% adequate. Harvest is nearly complete for the western half of the state. Fall fieldwork has been aided by fall weather. Very dry conditions persist, causing some areas to hold off on fall tillage. Producers continue to hope for badly needed rainfall. Corn 91% harvested, 78% 1999, 55% avg. Soybeans 98%

harvested, 96% 1999, 92% avg. Winter wheat 86% planted, 78% 1999, 80% avg. Fertilizer 15% application, 10% 1999, 11% avg. Fall 21% tillage, 19% 1999, 14% avg. On-farm grain storage availability: 34% short, 64% adequate, 2% surplus. Off-farm grain storage availability 35% short, 64% adequate, 1% surplus. Grain movement 23% none, 37% light, 30% moderate, 10% heavy. Grain storage availability rated better than a year ago, but elevators are storing some grain on the ground. Many livestock producers are supplementing pastures with hay, moving cow/calves onto corn stubble. Use of stubble fields for grazing: 38% none, 30% limited, 25% moderate, 7% extensive. Range, pasture feed 17% very poor, 26% poor, 35% fair, 18% good, 4% excellent.

**KANSAS:** Days suitable for fieldwork 5.7. Topsoil 38% very short, 34% short, 27% adequate, 1% surplus. Subsoil moisture 51% very short, 35% short, 14% adequate. Winter wheat seeding remains behind normal due to dry soil conditions. Emerged wheat thin, spotty stands. Alfalfa 100% 4<sup>th</sup> Cutting. Stock on winter pastures being supplemented. Water levels remain low in stockponds.

**KENTUCKY:** Days suitable for fieldwork 5.6. Topsoil 11% very short, 32% short, 55% adequate, 2% surplus. Subsoil moisture 12% very short, 35% short, 51% adequate, 2% surplus. Temperatures avg 62° which was slightly above normal. Rainfall totaled 0.27 inches which was below normal. Wheat 69% seeded, 60% 1999, 60% avg. Burley 17% stripped, 18% 1999, 16% avg. Stripped tobacco 3% poor, 23% fair, 55% good, 19% excellent. Pasture feed 3% very poor, 12% poor, 29% fair, 46% good, 10% excellent. Ninety-seven percent of farmers expect local hay supplies to be adequate.

**LOUISIANA:** Days suitable for fieldwork 7.0. Soil moisture 29% very short, 41% short, 30% adequate. Hay 99% final cutting, 98% 1999, 95% avg. Pecans 22% harvested, 24% 1999, 16% avg. Soybeans 100% dropping leaves, 100% 1999, 99% avg. Soybean harvest edged closer to completion. Sugarcane 3% very poor, 13% poor, 37% fair, 38% good, 9% excellent; 27% harvested, 24% 1999, 17% avg. Sugarcane harvest was going well under good harvesting conditions. Sweet Potatoes 79% harvested, 77% 1999, 78% avg. Weevils were causing problems for sweet potato growers. Wheat 30% planted, 30% 1999, 25% avg.; 14% emerged, 7% 1999, 8% avg. Livestock 6% very poor, 24% poor, 37% fair, 29% good, 4% excellent. Cattlemen were in need of rain in order to finish planting rye grass. Vegetables 15% very poor, 28% poor, 42% fair, 14% good, 1% excellent.

**MARYLAND:** Days suitable for fieldwork 6.1. Topsoil 1% very short, 25% short, 73% adequate, 1% surplus. Subsoil moisture 1% very short, 7% short, 91% adequate, 1% surplus. Soybeans 89% shedding leaves, 86% 1999, 91% avg.; 34% harvested, 27% 1999, 33% avg. Sorghum 55% harvested, 56% 1999, 47% avg. Field corn 70% harvested for grain, 78% 1999, 74% avg. Pasture feed 2% poor, 20% fair, 64% good, 14% excellent. Barley 24% fair, 71% good, 5% excellent.; 72% planted, 80% 1999, 77% avg. Winter Wheat 17% fair, 74% good, 9% excellent.; 32% planted 40% 1999, 40% avg. Rye 10% fair, 89% good, 1% excellent.; 46% planted, 51% 1999, 58% avg. All hay supplies 1% short, 86% adequate, 13% surplus. Apples 90% harvested, 84% 1999, 81% avg. Percent of cutting hay crop harvest: 80% 4<sup>th</sup> cutting cut, 86% 1999, 79% avg. Alfalfa 93% 4<sup>th</sup> cutting cut, 78% 1999, 90% avg.; 45% 5<sup>th</sup> cutting cut, 34% 1999, 37% avg. Comments: Good Harvest weather has speeded soybean harvesting. Small grains seeding going at a fast pace but need moisture in some areas.

**MICHIGAN:** Days suitable for fieldwork 6.0. Topsoil 2% very short, 14% short, 82% adequate, 2% surplus. Subsoil 4% very short, 17% short, 76% adequate, 3% surplus. All Hay 0% very poor, 5% poor, 26% fair, 51% good, 18% excellent. Corn 1% very poor, 5% poor, 24% fair, 58% good, 12% excellent. Soybeans 2% very poor, 5% poor, 27% fair, 59% good, 7% excellent. All Hay 75% 4<sup>th</sup> cutting, 86% 1999, 73% avg. Corn 96% mature, 100% 1999, 96% avg. Silage 93% harvested, 100% 1999, 98% avg. Soybeans 96% dropping leaves, 100% 1999, 100% avg.; 90% mature, 100% 1999, 99% avg. Warm, dry conditions helped crops dry, allowed farmers to make good progress with harvest. District precipitation for week ranged from none northern, central Lower Peninsula to 0.18 inches western Upper Peninsula. Temperatures 1 to 5° above normal statewide. Wonderful weather during past week allowed field crop harvest to continue rapidly. Corn harvest continued, with reports of corn samples at 19 to 35% moisture. Harvest expected full swing when moisture drops a few points. Soybean harvest made steady progress to just over halfway mark. Sugarbeet harvest well underway, but warm weather slowed harvest, storage of beets to preserve sugar content. Fourth cutting of hay three-quarters completed. Winter wheat looking very good, with adequate moisture helping wheat that has emerged. Carrot, squash, pumpkin harvests continued. Growers finishing up harvesting cabbage, tomatoes, celery. Apple harvest virtually completed most parts of State. Only a few late varieties west central, northwest counties remain to be harvested.

**MINNESOTA:** Days suitable for fieldwork 6.1. Topsoil 38% very short, 31% short, 28% adequate, 3% surplus. Soybeans 74% stubble plowed, 61% 1999, 57% avg. Corn 16% moisture content, 17% 1999, 20% avg.; 45% stubble worked, 35% 1999, 28% avg. Pasture feed 18% very poor, 28% poor, 31% fair, 22% good, 1% excellent. Dry conditions in the southern two-thirds of the state continue, despite limited rainfall over the weekend. Dry conditions have resulted in several combine fires, as producers are harvesting corn from tinder dry fields. A wildfire swept through Anoka County, causing many residents to evacuate, isolated reports of livestock injury. Concerns about forest fires in the northeastern tip of the state remain high as rainfall continues to skirt this area.

**MISSISSIPPI:** Days suitable for fieldwork 6.9. Soil moisture 57% very short, 31% short, 12% adequate. Cattle 10% very poor, 23% poor, 32% fair, 31% good, 4% excellent. Sweetpotatoes 90% harvested, 82% 1999, 78% avg. Wheat 35% planted, 48% 1999, 50% avg.; 8% emerged, 22% 1999, 24% avg.; 15% very poor, 36% poor, 28% fair, 19% good, 2% excellent. Pasture 39%, very poor, 25% poor, 25% fair, 11% good. Weather conditions continue to be dry throughout most of the state. Winter wheat planting continues to be slow due to low soil moisture in many parts of the state.

**MISSOURI:** Days suitable for fieldwork 5.1, with all areas having several good days of harvesting weather. Topsoil 22% very short, 27% short, 49% adequate, 2% surplus. The weekly precipitation averaged 0.94 inch, varying from 0.08 inch in the southeast to over 1.50 inches in the west-central and central districts. Corn harvested ranged from 87% northeast to 93% or more in all other districts, including 100% in southern districts. Soybean harvest ranged from 44% southwest to 87% or more in the north-central, west-central, central districts. Sorghum harvested varied from less than 75% north-central and northeast, to complete in the southern districts. Winter wheat seeding continues a few days ahead of normal, ranging from around 50% in the east-central and south-central districts, to around 75% complete in the northwest, west-central, southeast districts. Pastures 27% very poor, 30% poor, 26% fair, 16% good, 1% excellent. Stock water supplies are 34% very short, 29% short, 36% adequate, 1% surplus, with the lowest ponds in the southwest and south-central districts.

**MONTANA:** Days suitable for fieldwork 6.1. Topsoil 27% very short, 51% short, 22% adequate, 0% surplus. Subsoil moisture 53% very short, 38% short, 9% adequate, 0% surplus. Corn 99% harvested for silage, 99% 1999, 99% avg. Potatoes 93% harvested, 88% 1999, 82% avg. Cattle, calves moved from 81% summer ranges, 72% 1999, 68% avg. Sheep, lambs moved from 81% summer ranges, 75% 1999, 74% avg. As the result of favorable conditions, farmers made good progress harvesting. Farmers in some areas indicated they are busy working the ground in preparation for spring planting next year. A few operators are still considering planting winter wheat but are waiting for cheat grass to germinate so control action can be taken before seeding. Producers are busy weaning, shipping cattle. Some areas of the state are reporting lighter weaning weights then average due to the shortage of feed and grass drying out so early. Short feed, water supplies are still a large concern with most portions of the state.

**NEBRASKA:** Days suitable for fieldwork 6.9. Topsoil 60% very short, 30% short, 10% adequate, 0% surplus. Subsoil moisture 81% very short, 16% short, 3% adequate, 0% surplus. Temperatures for the week averaged 3 to 9° above normals. Precipitation was scattered with amounts less than .5 inch common in the eastern half of the State. Amounts of 1 inch or more recorded in extreme southwestern counties, bringing temporary relief to the worst drought stressed areas. Wheat 3% very poor, 17% poor, 51% fair, 27% good, 2% excellent. Conditions compare to 1999 when over 50% of the crop rated good or excellent. Wheat 82% emerged, 86% 1999, 86% avg. Additional moisture needed to sustain growth, establish winter wheat crop. Corn 88% harvested, 68% 1999, 51% avg. Soybeans 93% harvested, 94% 1999, 88% avg. Sorghum 91% harvested, 58% 1999, 57% avg. Sugar beet harvest active. Pasture, range feed 55% very poor, 31% poor, 12% fair, 2% good. Producers moving cattle to harvested stalk fields, however, in many cases on limited grain, forage value present.

**NEVADA:** A relatively mild storm system passed through the State late in the week, bringing light precipitation but sharply colder temperatures. Rainfall totaled .06 inch in Elko, .05 inch in Winnemucca, and .02 inch in Las Vegas. Temperatures were averaging well below normal statewide at the end of the week. Farm, ranch activity winding down seasonally. Fourth, final cutting of alfalfa hay neared completion, though slowed by rain. Hay shipments westward active. Alfalfa seed harvest complete. Winter wheat, barley seeding progressed. Corn kept for grain maturing. Potato harvest completed. Onion packing, shipping continued. Garlic fields in good condition. Final irrigation applied to some fields. Movement of livestock to

winter pastures continued. Cattle sorting, marketing continued. Main farm, ranch activities: Alfalfa hay harvest, shipping, field preparation, fall grain planting, irrigation, livestock gathering, sorting, marketing.

**NEW ENGLAND:** Days suitable for fieldwork 6.0. Topsoil 7% short, 87% adequate, 6% surplus. Subsoil moisture 9% short, 89% adequate, 2% surplus. Pasture feed 4% very poor, 11% poor, 40% fair, 35% good, 10% excellent. Maine potatoes 100% harvested, 95% 1999, 99% avg; condition good. Rhode Island potatoes 90% harvested, 95% 1999, 95% avg.; condition good to excellent. Massachusetts potatoes 99% harvested, 95% 1999, 95% avg.; condition good to fair. Oats in Maine 100% harvested, 100% 1999, 99% avg.; condition good. Silage corn 90% harvested, 95% 1999, 90% avg.; condition good to fair. Crop hay 3rd 90% harvested, 95% 1999, 90% avg.; condition good to fair. Apples 95% harvested, 95% 1999, 95% avg.; fruit size avg, condition good. Pears 90% harvested, 99% 1999, 99% avg, fruit size avg, condition fair to good. Cranberries 80% harvested, 85% 1999, 85% avg, fruit size avg, condition good. Cool mornings, warm, dry afternoons started the week off. Heavy rain hit by mid-week, but by the weekend sunny weather had returned. Major farm activities included: Harvesting cranberries, apples, late cabbage, silage corn, potatoes; making hay; spreading manure; plowing fields; applying lime; power burning blueberry fields; putting machinery away; planting cover crops.

**NEW JERSEY:** Days suitable for field work 6.0. Topsoil 6% short, 94% adequate. Corn 100% mature, 38% harvested for grain, 87% harvested for silage, 70% good, 30% excellent. Soybeans 94% dropping leaves, 21% harvested, 80% good, 20% excellent. Corn and soybean harvest continued where conditions allowed. Deer damage was high in some corn fields. Wheat, rye was seeded in some localities. Apple harvest activity was brisk in some areas with harvest 70% complete. Cranberry harvest 40% complete. Fresh market tomato quality has been excellent for most of the season. Growing conditions were favorable for Chinese cabbage despite earlier hail damage. Scab was reported on some late peaches. Pepper, cucumber harvest was complete in most areas.

**NEW MEXICO:** Days suitable for field work 5.7. Topsoil 31% very short, 43% short, 26% adequate. A slow-moving storm system from the Pacific helped produce some rain at most locations. Temperatures were a little above normal at most places, with a statewide average 2° above normal. Farmers spent the week harvesting all fall crops. Total sorghum condition showed little change 59% very poor, 24% poor, 9% fair, 7% good, 1% excellent, 100% mature, 90% 1999, 63% 5-yr.; 43% harvested, 21% 1999, 13% 5-yr. Total wheat was in mostly very poor to fair condition, with wheat 40% emerged. Peanuts were in mostly fair to good condition, with half of the crop harvested. Alfalfa held steady in mostly fair to good condition. Cotton was in fair to excellent condition with harvest more than a third of the way complete. The chile crop continues in mostly fair to good condition, with red chile harvest well under way. Ranchers were busy separating, weaning, marketing calves. Cattle, sheep conditions showed little change in mostly poor to good condition. Pasture, range feed improved slightly with 35% very poor, 43% poor, 20% fair, 2% good.

**NEW YORK:** Days suitable 5.1. Soil moisture 75% adequate, 25% surplus. Pasture feed 20% fair, 60% good, 20% excellent. Corn 10% poor, 60% fair, 30% good. Silage corn 86% harvested, 100% 1999, 96% avg. Grain corn harvest picking up, but still very limited due to high moisture content. Hay 50% fair, 50% good. Alfalfa 98% 3rd cutting, 100% 1999, 98% avg. Dry bean harvest underway-white mold evident, as expected. Soybean combining just beginning. Late season vegetable harvest nearing completion.

**NORTH CAROLINA:** Days suitable for field 6.7. days. A week of beautiful weather dominated State as the State Fair took center stage last week. Farmers, fair goers enjoyed dry weather with cool nights, warm days. Only isolated spots in the Central Coastal Plain received a sprinkle of rain. Rainfall has been very scarce since the third week of September, which has supplied farmers with conditions conducive for harvest. However, the lack of moisture has some concerned about the germination of small grains. Statewide, soil moisture is beginning to reflect the dry weather caused by a massive high pressure system that has been in place for nearly a month. The current ratings of moisture levels 17% very short, 35% short, 48% adequate, 0% surplus. Harvest activities continue to be the focus of farmers. Excellent gains were made in peanut threshing along with good progress in corn, cotton, soybean harvest. Farmers have pushed forward with small grain planting amidst the concerns about soil moisture, although advances in wheat, rye were minimal. Other activities included: Sweetpotato, sorghum, isolated tobacco harvest, baling hay, tending livestock. Dry weather has helped cotton boll opening to near completion, enabled soybean leaf dropping to jump ahead of schedule. Selective areas are now reporting

possible yield losses in cotton, soybeans due to the early frost two weeks ago, though the loss is not expected to be severe.

**NORTH DAKOTA:** Days suitable for fieldwork 7. Topsoil 16% very short, 23% short, 58% adequate, 3% surplus. Subsoil moisture 15% very short, 23% short, 59% adequate, 3% surplus. Producers continued to make excellent progress on row crop harvest thanks to favorable weather during the week. Ranchers were weaning calves, hauling hay in preparation for winter. Dry bean development 98% combined, 99% 1999, 98% avg. Sunflowers 59% combined, 32% 1999, 57% avg.; 2% very poor, 6% poor, 28% fair, 47% good, 17% excellent. Pasture, range feeds 11% very poor, 17% poor, 40% fair, 28% good, 4% excellent. Stockwater 5% very short, 15% short, 78% adequate, 2% surplus.

**OHIO:** Days suitable for fieldwork 4.9. Topsoil 0% very short, 2% short, 89% adequate, 9% surplus. Fall, winter apples 89% harvested, 85% 1999. Alfalfa hay 88% 4th cutting, 100% 1999. Corn 96% mature, 100% 1999, 94% avg.; 37% harvested for grain, 64% 1999, 39% avg.; 94% harvested for silage, 100% 1999, 91% avg.. Other hay 95% 3rd cutting, 100% 1999, 100% avg. Soybeans 96% mature, 100% 1999, 73% harvested, 85% 1999, 79% avg. Tobacco 19% stripped, 14% 1999. Winter wheat 82% planted, 88% 1999, 87% avg.; 44% emerged, 66% 1999, 53% avg. Corn 1% very poor, 4% poor, 24% fair, 48% good, 23% excellent. Hay 0% very poor, 5% poor, 20% fair, 56% good, 19% excellent. Pasture 2% very poor, 4% poor, 23% fair, 55% good, 16% excellent. Soybeans 2% very poor, 9% poor, 30% fair, 43% good, 16% excellent. Winter wheat 0% very poor, 1% poor, 25% fair, 61% good, 13% excellent. Activities for the week included: Harvesting corn, soybeans; making hay; sowing wheat; spreading lime, fertilizer; fall tillage; chisel plowing; transporting, drying grain; hauling manure; seeding rye; harvesting silage; cutting firewood; inspecting Christmas trees; harvesting fruits, vegetables; shelling corn; maintaining buildings, equipment. Reported weed pressures included :Giant foxtail, Canadian thistle, giant ragweed, lambsquarters. Reported insects included corn borers, lady bugs, squash bugs, box elder beetles, mites, aphids. Reported diseases were anthracnose stalk rot in corn, mildew on vegetables, mold on pumpkins. The corn, soybean harvest is progressing slightly slower than 1999.. Harvest has been delayed in the North Central district due to wet conditions, high humidity. Frost damage in several areas has lowered yield expectations, further delayed crop maturity. The fruit, vegetable harvest is winding down for another year. Pepper picking is complete in the North Central district, producers in the Northeast district are done harvesting apples, pumpkins. Livestock were reported in good to excellent condition. Producers are weaning, selling feeder calves throughout the state. Reporters rated pasture feeds 71% good to excellent. Last year at this time, pasture feeds were only 24% good to excellent.

**OKLAHOMA:** Days suitable for fieldwork 4.5. Topsoil 14% very short, 22% short, 55% adequate, 9% surplus. Subsoil moisture 23% very short, 45% short, 32% adequate. Wheat 93% seedbed prepared, 92% last week, 100% 1999, 99% avg. Oats 82% seedbed prepared, 81% last week, 100% 1999, 98% avg.; 24% planted, 17% last week, 75% 1999, 66% avg.; 10% emerged, 2% last week, 24% 1999, 28% avg. Rye 86% seedbed prepared, 85% last week, 100% 1999, 97% avg.; 61% planted, 38% last week, 95% 1999, 86% avg.; 30% emerged, 6% last week, 75% 1999, 62% avg. Soybeans 71% harvested, 66% last week, 55% 1999, 48% avg. Peanuts 95% mature, 94% last week, 84% 1999, 84% avg.; 45% combined, 44% last week, 43% 1999, 35% avg. Alfalfa Hay 15% very poor, 26% poor, 38% fair, 19% good, 2% excellent, 90% 4th cutting, 89% last week, 89% 1999, 92% avg.; 47% 5th cutting, 47% last week, 28% 1999, 38% avg. Other Hay 23% very poor, 28% poor, 31% fair, 16% good, 2% excellent, 83% 2nd cutting, 82% last week, 81% 1999, 81% avg. Livestock 2% very poor, 11% poor, 40% fair, 44% good, 3% excellent; Cattle auctions reported slightly above average marketings for the week. The price for feeder steers less than 800 pounds increased from last week, averaged \$89.50 per cwt. The price for feeder heifers less than 800 pounds also increased from last week, averaged \$84.30 per cwt.

**OREGON:** Days suitable for fieldwork 6. Topsoil 1% very short, 11% short, 88% adequate. Subsoil 1% very short, 33% short, 66% adequate. Winter Wheat 4% poor, 13% fair, 83% good, 81% planted, 51% 1999, 74% avg.; 48% emerged, 14% 1999, 44% avg. Barley 32% planted, 41% 1999, 40% avg. Range, pasture 3% very poor, 27% poor, 30% fair, 38% good, 2% excellent. Activities: Fall seeded grains in Western State are mostly planted, emerged. Eastern State winter wheat planting ranges from 50% completed in Malheur county to 95% planted in other areas of eastern state. Emergence ranges from 20% in Malheur to 75% emerged in Umatilla County. Some fertilizer, herbicides being applied. Most field corn has been harvested, harvesting of silage corn nearing completion. Seeding of new ryegrass fields in Western State continues. Sugarbeet harvest completion ranges from 40% in Malheur county to 70% in Klamath county. Nurseries are digging, shipping balled, burlapped plants for fall season. Christmas tree

growers are getting ready to start harvesting trees on November 15th. Everyone preparing for cold weather. Willamette valley continued to harvest sweet corn, carrots, cucumbers, onions, cauliflower. Clackamas county still had salad vegetables available. They also reported youngsters roaming pumpkin fields. Washington county reported gathering pumpkins for sale as well. Last of sweet corn went to processors. In Jackson County tomatoes, late sweet corn harvested in addition to squash, pumpkins. Malheur county reported onion harvest at 95% complete. In Willamette valley some late pears picked, grapes, prunes harvested, walnuts broke hulls, hazelnut harvest continued. southern coastal region continued their cranberry harvest while nearby Jackson, Josephine counties completed their tree fruit harvest, applied fall cleanup sprays. Their wine grapes harvested, a little earlier than 1999, with a reported good crop. Range, pasture feeds vary considerably over state from very poor in southwest, parts of Malheur County to good, even excellent, in western foothills of Cascades, Klamath County. In Willamette Valley, pastures generally improved with return of autumn rains, cooler nights, but some supplemental feeding continued. Rangeland conditions mostly fair to good east of Cascades. Livestock condition mostly good. Calves weaned, sold, shipped from most eastern ranges. In Harney County, dry cows turned back out. In Baker County, pregnancy checking ongoing. Some fall calving underway in Jackson County.

**PENNSYLVANIA:** Days suitable for field work 4.1. Soil moisture 1% very short, 9% short, 81% adequate, 9% surplus. Fall 69% plowing, 71% 1999, 71% avg. Corn 88% mature, 82% 1999, 86% avg.; 27% harvested, 36% 1999, 41% avg. 92% silage, 96% 1999, 92% avg.; 1% very poor, 2% poor, 13% fair, 59% good, 25% excellent. Barley 94% planted, 83% 1999, 87% avg.; 79% emerged, 67% 1999, average not available. Winter wheat 72% planted, 54% 1999, 67% avg.; 51% emerged, 43% 1999, average not available. Soybeans 25% harvested, 14% 1999, 26% avg.; 1% very poor, 1% poor, 12% fair, 58% good, 28% excellent. Potatoes 92% harvested, 91% 1999, 86% avg. Apples 91% harvested, 79% 1999, 81% avg. Alfalfa 96% 3rd cutting, 97% 1999, 96% avg.; 89% 4th cutting, 77% 1999, 73% avg. Quality of hay made 3% very poor, 12% poor, 31% fair, 35% good, 19% excellent. Activities include: Harvesting corn, corn silage, soybeans, apples, grapes, potatoes; marketing produce; machinery maintenance; filling silos; spreading lime, fertilizers; hauling, spreading manure; caring for livestock; fixing fences; making hay, haylage; fall plowing; seeding fall crops.

**SOUTH CAROLINA:** Days suitable for field work 6.7. Soil moisture 13% very short, 47% short, 38% adequate, 2% surplus. Apples 89% harvested, 81% 1999, 89% avg. Barley 42% planted, 35% 1999, 38% avg.; 32% emerged, 25% 1999, 26% avg.; 84% fair, 16% good. Corn 99% harvested, 100% 1999, 100% avg. Cotton 95% bolls opened, 96% 1999, 95% avg.; 41% harvested, 38% 1999, 44% avg.; 1% very poor, 11% poor, 47% fair, 39% good, 2% excellent. Livestock 1% poor, 27% fair, 61% good, 11% excellent. Oats 33% planted, 44% 1999, 43% avg.; 24% emerged, 26% 1999, 28% avg.; 1% poor, 88% fair, 11% good. Peanuts 70% harvested, 46% 1999, 66% avg.; 6% poor, 42% fair, 47% good, 5% excellent. Pecans 20% harvested, 14% 1999, 20% avg.; 12% poor, 68% fair, 20% good. Rye 36% planted, 46% 1999, 48% avg.; 24% emerged, 36% 1999, 34% avg.; 1% poor, 80% fair, 19% good. Sorghum 97% matured, 94% 1999, 97% avg.; 74% harvested, 69% 1999, 74% avg.; 13% poor, 46% fair, 41% good. Soybeans 88% turned color, 86% 1999, 86% avg.; 45% dropped, 41% 1999, 44% avg.; 29% matured, 26% 1999, 24% avg.; 9% harvested, 9% 1999, 7% avg.; 2% very poor, 10% poor, 32% fair, 51% good, 5% excellent. Sweetpotatoes 71% harvested, 52% 1999, 55% avg.; 7% very poor, 37% poor, 43% fair, 13% good. Tobacco 99% stalks destroyed, 98% 1999, 97% avg. Winter Grazing 67% planted, 67% 1999, 65% avg.; 47% emerged, 52% 1999, 47% avg.; 1% very poor, 6% poor, 74% fair, 19% good. Winter Wheat 19% planted, 18% 1999, 19% avg.; 12% emerged, 11% 1999, 11% avg.

**SOUTH DAKOTA:** Days suitable for field work 6.5. Topsoil 37% very short, 43% short, 20% adequate. Subsoil moisture 35% very short, 44% short, 21% adequate. Feed supplies 8% very short, 17% short, 70% adequate, 5% surplus. Stock water supplies 31% very short, 27% short, 41% adequate, 1% surplus. Winter Rye 99% planted, 98% 1999, 100% avg.; 89% emerged, 85% 1999, 93% avg. Sorghum 79% harvested-grain, 43% 1999, 57% avg. Sunflower 100% mature, 91% 1999, 98% avg.; 83% harvested, 42% 1999, 60% avg. Alfalfa hay 14% very poor, 21% poor, 30% fair, 31% good, 4% excellent. Range, Pasture 19% very poor, 27% poor, 32% fair, 19% good, 3% excellent. Cattle 2% poor, 19% fair, 62% good, 17% excellent. Sheep 2% poor, 20% fair, 61% good, 17% excellent. Scattered, light rains did not slow row crop harvest, did little to help livestock or winter crops. Temperatures last week ranged from 7 to 13° above normal, with occasional windy periods. Weather is ideal for harvesting, hard on winter crops, beginning to impact cattle.

**TENNESSEE:** Days suitable for fieldwork 7. Topsoil 33% very short, 42% short, 25% adequate. Subsoil moisture 41% very short, 42% short, 17%

adequate. Pastures 25% very poor, 28% poor, 32% fair, 14% good, 1% excellent. Burley 37% stripped, 31% 1999, 32% avg. Winter wheat 40% seeded, 38% 1999, 42% avg.; 9% emerged. Conditions remained dry last week with only trace amounts of rain reported in the middle, eastern portions of the State. The lack of moisture is causing problems with winter wheat germination, many producers are delaying additional seedings until rain arrives. Pasture feeds continued to deteriorate due to recent frosts, the lack of moisture. Many livestock producers have already begun feeding hay, some are hauling water due to low pond levels. In addition, problems with tobacco stripping, nursery plant harvest were also reported due to the lack of rain. Despite the current problems with the dry weather this fall, it has facilitated the rapid harvest of the State's major row crops.

**TEXAS:** Temperatures remained mild across the state while rain showers, some heavy at times, accompanied by hail brought minor flooding to varied locations. Rain totals were also varied in most areas with some totals ranging upward to five or six inches. Some run off occurred with the heavier showers, some replenishing of livestock water occurred. Land preparation, harvest was halted in most areas as a result of these conditions. In other areas harvest progressed slowly as damp conditions prevented harvest until late day. Planting of small grains continued, however in some areas dry planting remained necessary, emergence in earlier planted fields continued with the aid of previous showers. In areas where earlier moisture was received, growth of cool season forages began. The moisture came too late, however for any substantial pasture recovery. In most areas pasture recovery will likely take several years to recover. Supplemental feeding continued in most areas, herd reduction continued for some producers. Some livestock loss occurred as a result of a previous cold rain. Field Crops: Small Grains: Planting of wheat, oats continued, but slowed as conditions became too wet to plant. Emergence in earlier planted fields was enhanced by increased soil moisture levels, however in other locations dry planting continued as conditions remained dry. Seedling death remained a problem in portions of the dryer areas for some producers. Corn: Harvest was mostly completed across the plains where irrigated acres remained the most productive. Cotton: Harvest progress continued to be slowed or halted in some areas of the Plains as conditions remained wet, however ginning activities continued without delay. Disastering out of some fields continued in varied locations across the Plains. Cotton 43% of normal compared with 57% 1999. Bolls Open, Published 97%, 95% 1999, 90% Avg. Rice: Harvest of the second crop was delayed as moisture levels were too high. The remainder of the ratoon crop looks good, harvest will resume as drying out occurs. Sorghum: Harvest of remaining sorghum was halted in Plains areas of the Plains as humidity, or soil moisture levels were too high. A killing freeze, lower humidity would benefit further harvest activities. Yield potential remained low. Mature, Published 98%, 93% 1999, 96% Avg. Peanuts: Harvest was mostly halted in all growing areas as the result of high moisture levels. Some digging continued but also slowed. Yields remained below normal in many areas however, some above normal yields were also produced in isolated locations. Peanut 56% of normal compared with 75% 1999. Soybeans: Harvest was delayed as humidity levels were generally to high, drying out could not occur. Commercial Vegetables, Fruit and Pecans. Rio Grande Valley, land preparation remained slowed as showers covered the area. Honeydew melons were harvested in the dryer locations. San Antonio-Winter Garden, limited planting of some vegetables continued during early week, however rain showers slowed or halted planting efforts in late week. Chili pepper harvest continued in some locations as weather permitted. East State, fall planting was halted in varied locations as wide spread rainfall occurred in most locations. Sweet potato harvest continued where possible. High Plains, land preparation, harvest for remaining pumpkins, melons remained slow as rain showers crossed portions of the Plains. In the Trans Pecos region, harvest of chili peppers continued, tomato harvest remained in full swing. Pecans: Harvest activities continued where weather permitted across the state. Production remained varied because of the drought, insect populations continued to become more evident. In areas where harvest had not began, shuck split continued, harvest will begin soon. Range, Livestock: Widespread rainfall continued to improve soil moisture replenish stock water in many locations. Green up of cool season forages continued as a result. Grain fields planted for grazing received their first meaningful moisture of the fall season in many locations. Supplemental feeding of livestock continued as pastures will not begin adequate forage recovery until next spring. Herd culling, reduction also continued for some livestock owners. Cattle deaths from possible anthrax occurred in South State.

**UTAH:** Days suitable for field work 6. Topsoil 5% very short, 25% short, 68% adequate, 2% surplus. Subsoil moisture 15% very short, 33% short, 50% adequate, 2% surplus Winter wheat 61% emerged, 79% 1999, 82% 5-yr avg. Corn 89% mature, 87% 1999, 83% avg.; 32% harvested for grain, 36% 1999, 34% avg.; 1% very poor, 4% poor, 20% fair, 60% good, 15% excellent. Alfalfa hay 94% 4th cutting, 88% 1999, 89% avg. Potatoes 99% harvested, 92% 1999, 94% avg. Cattle moved from 94% summer range,

83% 1999, 85% avg. Apples 77% picked, 84% 1999, 81% avg. Range, pasture 11% very poor, 41% poor, 34% fair, 12% good, 2% excellent. Major farm, ranch activities included: Harvesting apples, corn, potatoes. Livestock moved from summer range is almost complete, calves, lambs are being shipped to market.

**VIRGINIA:** Days suitable for fieldwork 6.8. Topsoil 17% very short, 52% short 30% adequate, 1% surplus. Subsoil moisture 8% very short, 34% short, 56% adequate, 2% surplus. Pastures 3% very poor, 10% poor, 35% fair, 48% good, 4% excellent. Livestock 1% poor, 11% fair, 74% good, 14% excellent. Corn 97% mature, 100% 1999, 98% 5-yr avg.; 67% grain harvested, 79% 1999, 75% 5-yr avg.; 98% silage harvested, 100% 1999, 99% 5-yr avg. Soybeans 1% very poor, 1% poor, 10% fair, 50% good, 38% excellent. Soybeans 83% dropping leaves, 75% 1999, 45% 5-yr avg.; 18% harvested, 14% 1999, 17% 5-yr avg. Winter Wheat 28% seeded, 17% 1999, 21% 5-yr avg. Barley 62% seeded, 63% 1999, 57% 5-yr avg. Peanuts 4% poor, 22% fair, 66% good, 8% excellent, 96% dug, 83% 1999, 88% 5-yr avg.; 84% combined, 62% 1999, 71% 5-yr avg. Cotton 4% poor, 17% fair, 62% good, 17% excellent, 86% bolls opening, 99% 1999, 97% 5-yr avg. Cotton 24% harvested, 18% 1999, 34% 5-yr avg. Fall apples 99% fair, 82% good, 82% excellent. Winter apples 93% harvested, 65% 1999, 60% 5-yr avg. Dry, warm conditions allowed corn harvest, small grain planting to progress considerably this week. Dry soils are becoming a concern for small grain establishment. Lack of rain is causing pastures to become depleted sooner than normal, growth of new plantings has been slowed. Corn harvest continues to be slow as bin space, barge movement continues to be a problem. Other activities for the week included: Defoliating cotton, bailing peanut vines, winterizing equipment.

**WASHINGTON:** Days suitable for fieldwork 5.7. Topsoil 10% very short, 36% short, 54% adequate. Subsoil moisture 6% very short, 42% short, 52% adequate. Winter wheat 100% planted, 93% 1999, 96% avg.; 93% emerged, 82% 1999, 87% avg. Winter wheat seeding was completed last week benefitting from some much needed precipitation. Potatoes 91% harvested, 94% 1999, 88% avg. Potato harvest was winding down under good conditions. Hay, roughage, 100% adequate. Range, Pasture 2% very poor, 38% poor, 39% fair, 21% good. Cooler temperatures, morning frosts have slowed pasture growth, but grazing conditions remain fair to good. Dairymen continued applying solids to forage fields. Ranchers reported feeding earlier than normal due to rangeland destroyed by wildfires. Harvest for grapes, apples has peaked, was beginning to taper off. Wine grapes were reported picking out on the heavy side with Concords a little lighter. Red Delicious harvest was nearly complete. Cranberry harvest was in full swing. Dry bean harvest was nearly complete. Christmas tree harvest is slated to begin next week for containerized shipments to Japan. Christmas tree growers also reported problems filling orders due to low inventories. U-pick pumpkin farms continued to do a brisk business.

**WEST VIRGINIA:** Days suitable for fieldwork 5.6. Topsoil 16% short, 75% adequate, 9% surplus. Crop harvest, wheat planting active with favorable weather conditions. Farmers continue to market cattle. Hay 1% poor, 19% fair, 57% good, 23% excellent; Hay 84% 3<sup>rd</sup> cut, 70% 1999, 86% 5-yr avg. Corn 5% fair, 56% good, 39% excellent; 95% mature, 90% 1999, 40% harvested, 54% 1999, 58% 5-yr avg. Soybean 17% fair, 54% good, 29% excellent; 93% dropping leaves, 99% 1999, 98% 5-yr avg.; 58% harvested for grain, 35% 1999, 45% 5-yr avg. Wheat planted 57%, 49% 1999, 61% 5-yr avg.; Wheat 13% emerged, 18% 1999. Apples 82% harvested, 80% 1999. Cattle 8% fair, 70% good, 22% excellent. Sheep 20% fair, 63% good, 17% excellent.

**WISCONSIN:** Days suitable for fieldwork 6.8. Soil moisture 4% very short, 42% short, 53% adequate, 1% surplus. Warm, dry weather has allowed harvest to continue at full speed. Northern State reported corn harvest on hold until lower plant moisture is reached. Central State reported corn drying down faster after receiving ideal weather last week. Southern State reported the beginning of corn ear harvest. All districts reported soybean harvest coming to an end. Fall tillage 27% 2000, 34% 1999, 29% 5-year avg. Pasture feed 6% very poor, 20% poor, 37% fair, 33% good, 4% excellent.

**WYOMING:** Days suitable for fieldwork 6.5. Topsoil 17% very short, 49% short, 34% adequate. Subsoil moisture 14% very short, 60% short, 26% adequate. Winter wheat 100% emerged, 100% 1999, 99% avg.; 12% poor, 46% fair, 42% good. Corn 94% mature, 98% 1999, 99% avg.; 31% harvested, 37% 1999, 36% avg.; 1% very poor, 4% poor, 4% fair, 87% good, 4% excellent. Sugarbeets 81% harvested, 80% 1999, 80% avg. Alfalfa 91% 3rd cutting, 100% 1999, 92% avg. Range, pasture feed 26% very poor, 41% poor, 27% fair, 6% good. Stock water supplies 24% very short, 54% short, 22% adequate. Livestock in fair to mostly good condition. Warm, dry week with some moisture over weekend.

# International Weather and Crop Summary

October 15 - 21, 2000

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

## HIGHLIGHTS

**AUSTRALIA:** Locally heavy rain continued across eastern winter crop areas, but Western Australia remained unfavorably dry.

**MIDDLE EAST:** Light to moderate rain improved prospects for winter grain germination.

**EUROPE:** Heavy rain continued in flood-ravaged northern Italy, further delaying summer crop harvesting and winter grain planting.

**FSU-WESTERN:** Mostly dry weather helped corn, sunflower, and sugar beet harvesting in Ukraine and southern Russia, while seasonable temperatures prompted cold-hardening of winter grains in northern Russia.

**EASTERN ASIA:** Across southern China, unseasonably widespread, heavy showers boosted moisture supplies, but slowed late double-crop rice maturation and early harvesting. Rain continued to favor winter wheat germination across the North China Plain.

**SOUTH ASIA:** Monsoon rain maintained favorable moisture levels over southern India as isolated flooding persisted in Bangladesh.

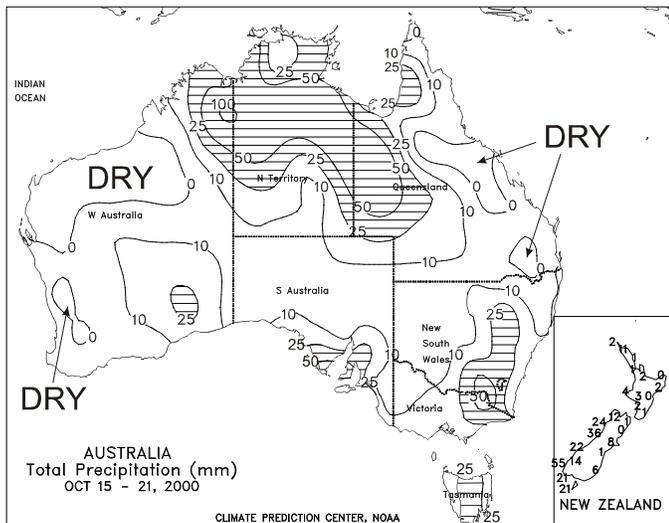
**SOUTHEAST ASIA:** Heavy rains continued in Vietnam, while mostly dry weather favored rice maturation in Thailand.

**SOUTH AFRICA:** Needed rain covered northern sections of the corn belt.

**NORTHWESTERN AFRICA:** Dry weather favored pre-planting fieldwork in Algeria and Tunisia, while light showers in Morocco helped condition topsoils to prepare for winter grain planting.

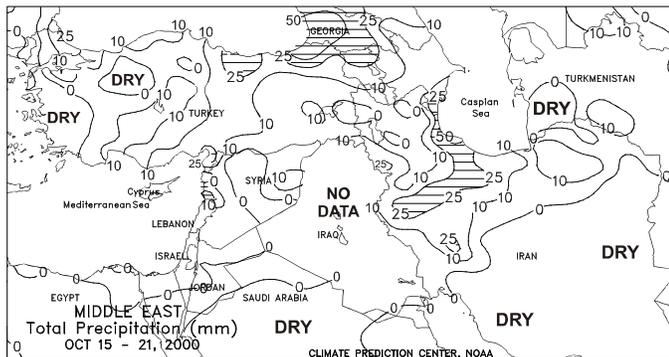
**SOUTH AMERICA:** In central Argentina, widespread showers increased soil moisture for winter grain development and summer crop germination, but dryness slowed summer crop planting in east-central Brazil.

**MEXICO:** Mostly dry weather favored corn maturation in the main corn belt.



## AUSTRALIA

Widespread, moderate to heavy rain (15-50 mm or more) covered primary winter crop areas of South Australia and New South Wales, with somewhat lighter rain (5-25 mm) in central and western Victoria. The moisture benefited immature winter grains and oilseeds and improved pasture conditions, while further raising long-term moisture levels following last week's beneficial rainfall. Farther north, unseasonably heavy rain (10-50 mm or more) overspread grazing lands of western Queensland, but failed to reach the eastern and southern summer crop districts, which recorded only light, scattered showers (10 mm or less). Additional rain is needed for establishment of sorghum and rainfed cotton in southern Queensland and northern New South Wales. In Western Australia, mostly dry, seasonably warm weather continued to limit moisture for immature winter crops, although isolated showers (10 mm or more) brought localized relief to outlying areas. Drier weather returned to New Zealand, with just a few locations reporting more than 10 mm.



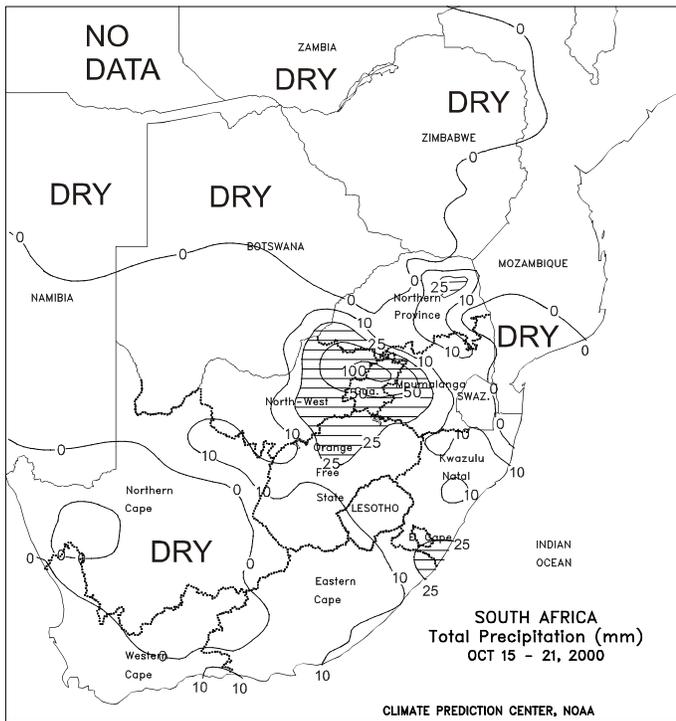
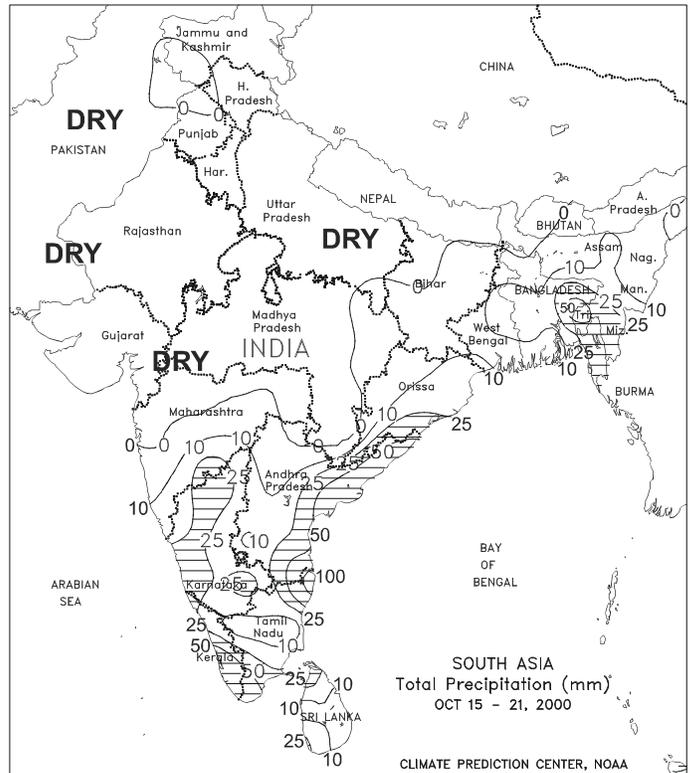
## MIDDLE EAST

Highly beneficial rainfall (10-25 mm or more) covered sections of northern and western Iran, improving winter crop planting prospects. The significant rain likely spread into neighboring sections of Iraq. Scattered light showers (2-25 mm) elsewhere across the region kept topsoils moist for germination, with near- to below-normal temperatures reducing potential moisture losses through evapotranspiration. Planting can last through November if weather remains sufficiently warm for proper germination and establishment.



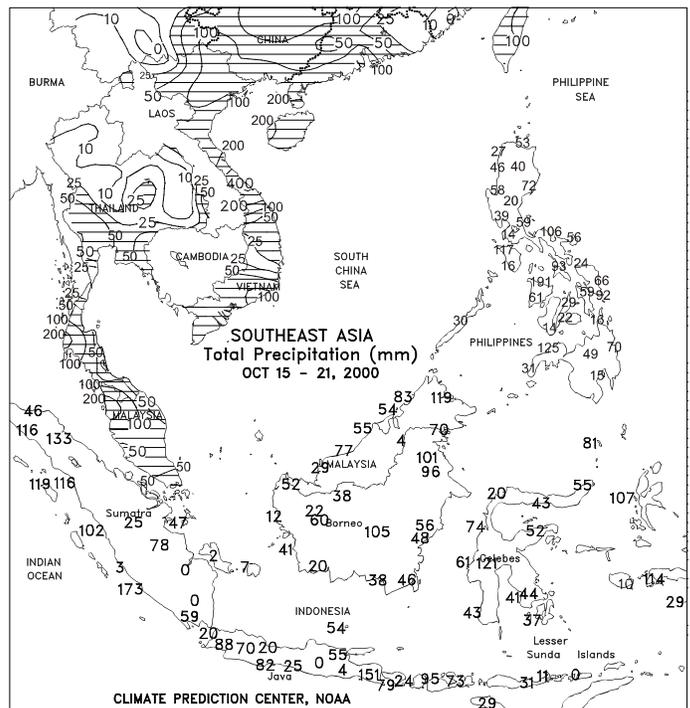
**SOUTH ASIA**

Monsoon rain (10-25 mm or more) continued over southern India, improving prospects of rabi (autumn-sown) grains and oilseeds. The heaviest rain (50 mm or more) covered coastal rice areas of Andhra Pradesh and Karnataka, in time for the startup of planting activities. An overall drier pattern continued over eastern India and Bangladesh, but locally heavy rain (20-50 mm or more) may have allowed floodwaters to return to minor rice areas of southeastern Bangladesh. Warm, dry weather elsewhere in the region favored summer crop drydown and harvesting.



**SOUTH AFRICA**

Moderate to heavy rain (25-50 mm or more, locally exceeding 100 mm) covered the corn belt, further improving moisture levels for summer crop germination and establishment. The moisture was especially beneficial in the white corn areas of North West, which missed much of the previous shower activity. The heaviest rain (50-100 mm) was concentrated over the northern edge of the main growing area (Gauteng and neighboring sections of Mpumalanga and North West). Prior to this rainfall, above-normal temperatures (highs in the lower to middle 30's degrees C) warmed topsoils for summer crop germination and advanced winter wheat maturity. Elsewhere, mostly light showers (25 mm or less) covered crop areas of Eastern Cape and KwaZulu-Natal, including coastal sugarcane areas. Mostly dry, seasonably mild weather continued in Western Cape, aiding maturing winter wheat and fieldwork in vineyards and orchards.

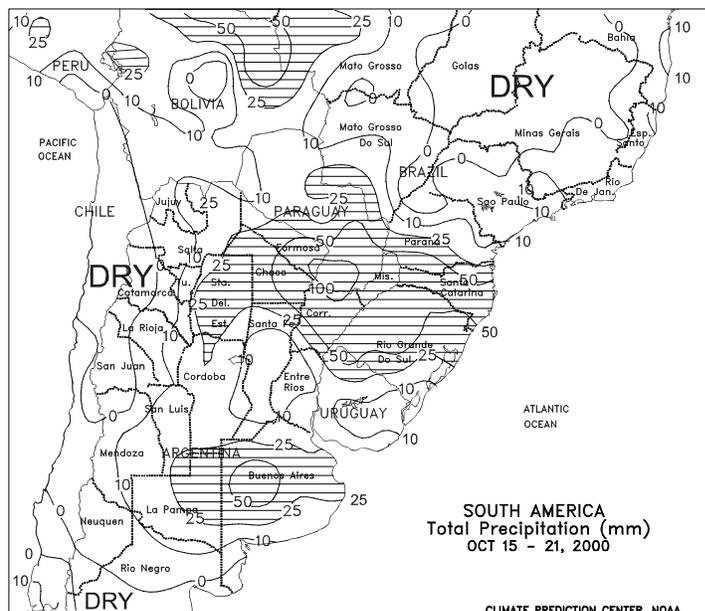


**SOUTHEAST ASIA**

Mostly dry weather favored rice maturation and harvesting in Thailand. The northern half of Vietnam received heavy rainfall (50-250 mm), slowing rice harvesting and causing widespread flooding. Rice areas of the Philippines received only light showers (less than 25 mm), allowing rice harvesting to progress. Showers were light (less than 25 mm) in peninsular Malaysia, where moisture supplies were adequate for oil palm. In Java, Indonesia, showers were scattered with the heavier amounts (100-150 mm) in eastern areas. Most areas still need more rain to boost moisture supplies for rice transplanting.

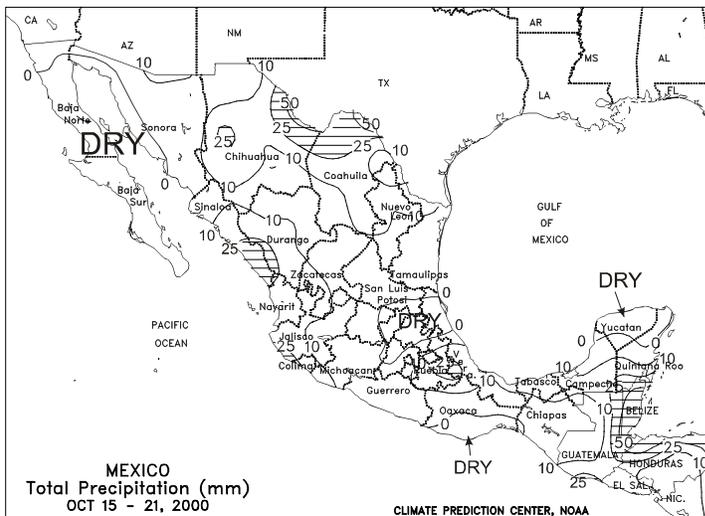
**SOUTH AMERICA**

In east-central Brazil (Goiás, Minas Gerais, and Sao Paulo), prolonged early-season dryness slowed summer crop planting and coffee and citrus development. For the past 4 weeks, these three states have received less than 35 percent of normal rainfall. Typically, rainfall during late October ranges from 25 to 35 mm per week in these areas. Also, temperatures averaged 3 to 6 degrees C above normal, with maximum temperatures ranging from 35 to 40 degrees C, further reducing available moisture supplies. In Mato Grosso and Mato Grosso do Sul, light to moderate rain (5-30 mm) favored soil preparations and early planting. In southern Parana, Santa Catarina, Rio Grande do Sul, and southern Paraguay, widespread rain (30-70 mm) boosted soil moisture for summer crop planting. In central Argentina, widespread showers (10-60 mm) increased soil moisture for reproductive winter wheat and summer crop germination. The rain caused some planting delays. Drier weather (less than 10 mm) prevailed across Santa Fe, where more rain is needed in the northern areas of the state. In northern Argentina, moderate showers (30-75 mm or more) boosted moisture supplies for cotton planting, but slowed fieldwork. Temperatures averaged 1 to 2 degrees C above normal across central and northern Argentina. According to the Argentine Agricultural Secretariat as of October 20, nationwide corn was 43 percent planted, compared with 54 percent last year and sunflowers 16 percent planted, compared with 31 percent last year. In the provinces of Santa Fe, Entre Rios, Buenos Aires, and Cordoba, corn was 80, 81, 48, and 47 percent planted, respectively. For sunflowers, only 3 percent was planted in Buenos Aires, compared with 22 percent at this time last year. Nationwide sorghum and rice was 5 and 21 percent planted, respectively.



**MEXICO**

Across the main corn belt, mostly dry weather favored corn maturation. Scattered showers (10-50 mm) fell across northern Mexico, increasing moisture supplies for winter crops. Temperatures averaged slightly above normal across the main corn belt.



**NORTHWESTERN AFRICA**

Preparations for winter grain planting were in the early stages over most of the region. Light showers (10-25 mm) in Morocco helped to condition topsoils for fieldwork. Cool, dry weather favored pre-planting fieldwork in Algeria and Tunisia. The bulk of winter grain planting over the region usually occurs from mid-November to mid-December when autumn rains become more consistent.

