

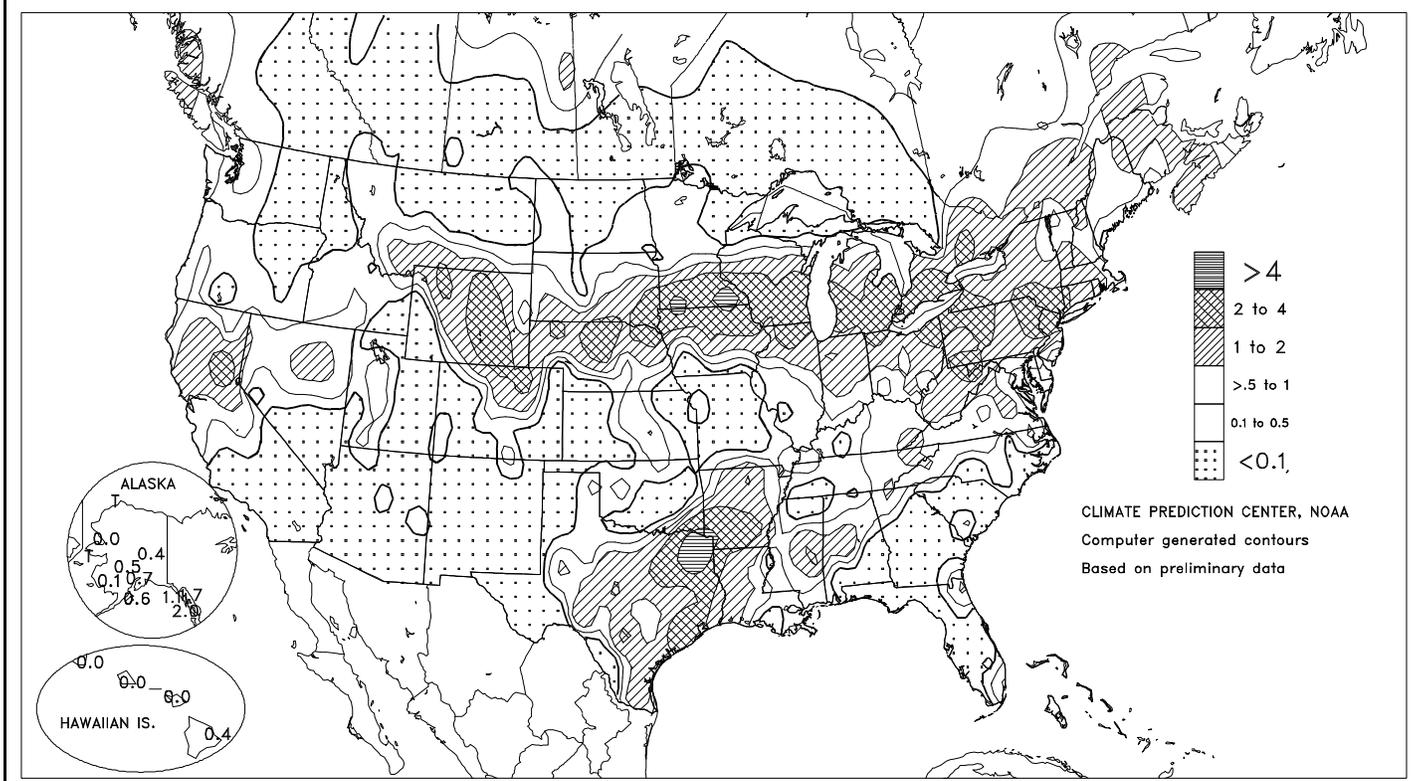
# WEEKLY WEATHER AND CROP BULLETIN

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)

MAY 14 - 20, 2000



## HIGHLIGHTS

May 14 - 20, 2000

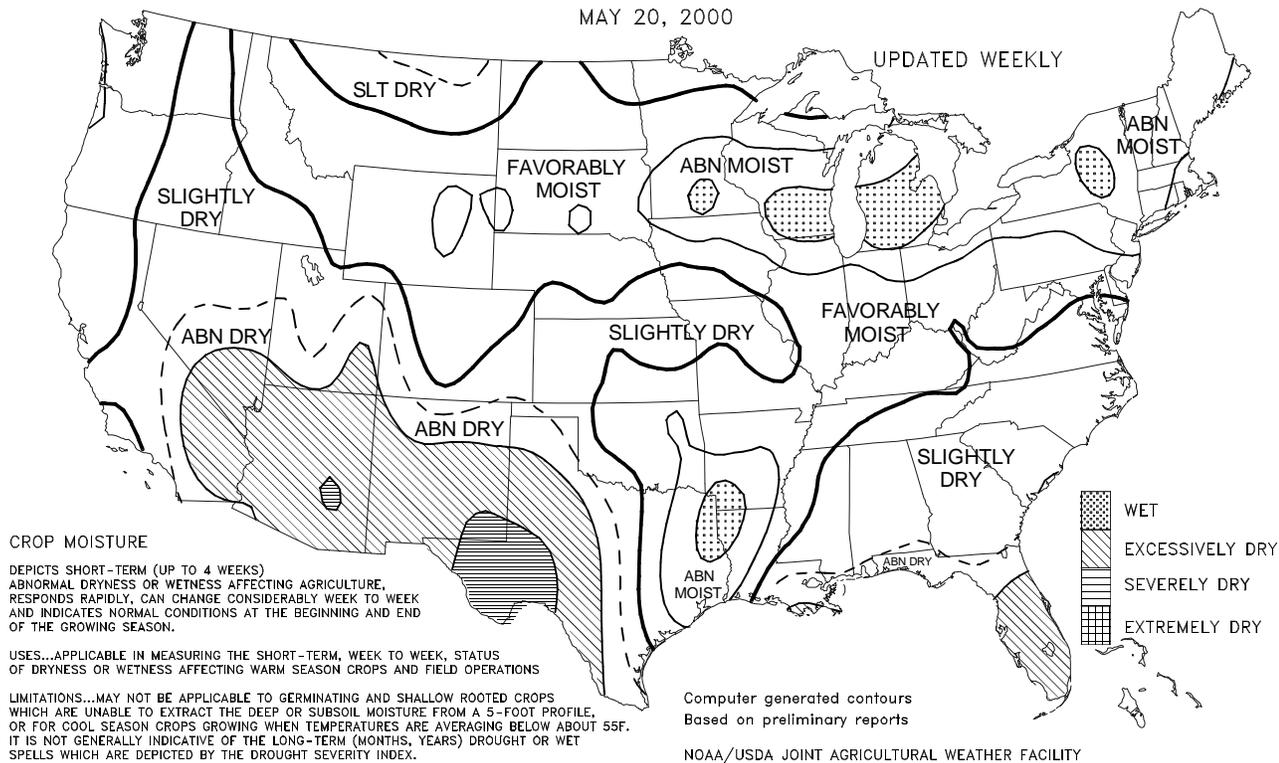
**H** heavy rain soaked areas from **southern Montana, Wyoming, and north-central Colorado** to the **northern Mid-Atlantic region**. In the **northern Corn Belt**, rain significantly eased long-term drought and aided corn and soybeans, but left standing water in some low-lying areas and halted soybean and final corn planting. Dry weather persisted, however, across the **southwestern Corn Belt**, stressing emerging summer crops. Mostly dry, often hot weather also intensified across the **southern Atlantic and eastern Gulf Coast States**, further stressing pastures and unirrigated crops. **Florida's** citrus continued to require frequent irrigation. Farther west, however, widespread  
*(Continued on page 3)*

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Crop Moisture  
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE  
MAY 20, 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.

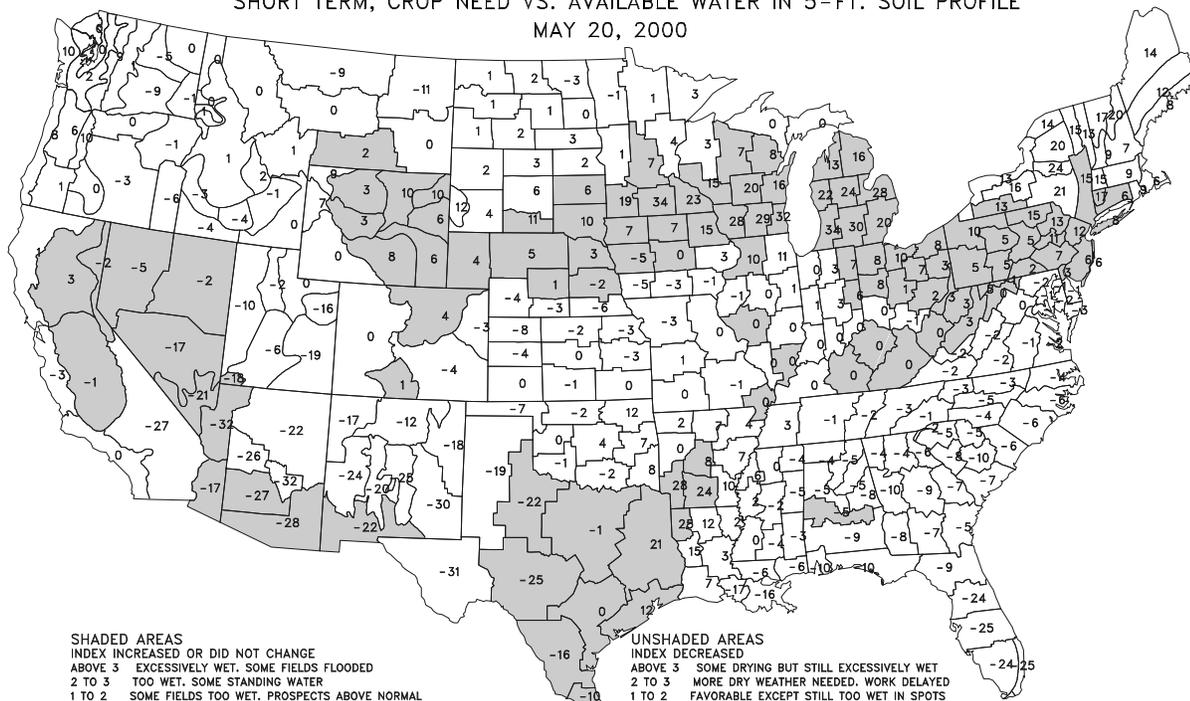
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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 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  
MAY 20, 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 SOME DRYING BUT STILL EXCESSIVELY WET  
 2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED  
 1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS  
 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK  
 0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW  
 -1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING  
 -2 TO -3 EXCESSIVELY DRY, YIELD PROSPECTS REDUCED  
 -3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS  
 BELOW -4 EXTREMELY DRY, MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

BASED ON PRELIMINARY DATA

(Continued from front cover)

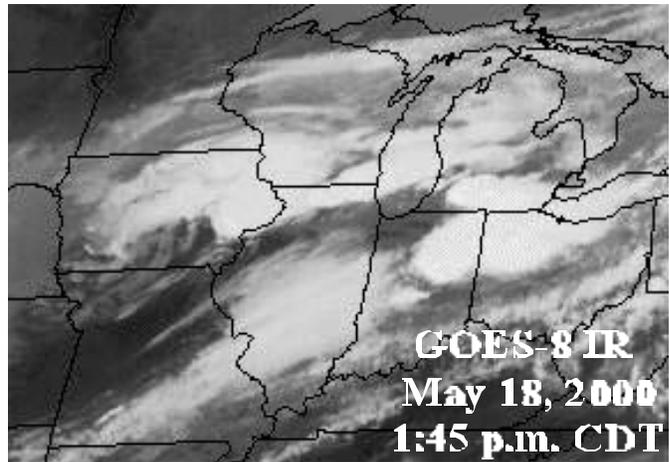
rainfall aided summer crop development from **central and southern Texas** eastward to the **Delta**. Excessive rainfall caused localized flooding, however, from the **Arklatex region** southward into **eastern Texas**. Showers briefly dampened portions of the drought-stricken **southern High Plains**, encouraging some planting of dryland summer crops, including cotton and sorghum. In the **Southwest**, cooler weather and subsiding winds aided fire containment efforts. Farther west, warm, dry weather returned to **California**, favoring fieldwork and summer crop development. Record heat overspread the **West Coast** at week's end. Weekly temperatures averaged up to 6°F above normal in the **Southeast** and **Northwest**, but ranged from 1 to 7°F below normal in the **Corn Belt** and **Northeast**. Frost and near-freezing temperatures were reported in the **northernmost Corn Belt** on May 19 and across the **interior Northeast** at week's end. In contrast, high temperatures regularly exceeded 90°F in the **Southeast** and briefly topped 100°F early in the week on the **southern Plains**.

Early in the week, cool air settled in across most areas **east of the Rockies**, producing about a dozen daily-record lows. On Sunday, record lows included 26°F in **Grand Forks, ND** and 36°F in **Springfield, MO**. Two days later in the **East**, lows fell to daily-record levels in locations such as **Concord, NH** (27°F) and **Virginia's Dulles Airport** (35°F). Meanwhile, cool weather lingered in **California's Central Valley**, where **Redding's** high of 60°F on Sunday was 20 °F below normal. Although dry air overspread **California** following early-week showers, May rainfall surpassed 2 inches at a few locations in the **Sierra Nevada foothills** east of **Sacramento**, including **Pine Grove** (2.04 inches).

Late in the week, record warmth reached the **West Coast** and also spread into the **Southeast**. On Thursday in **Louisiana, New Orleans' Audubon Park** posted a record high of 92°F. Two days later, **Wilmington, NC** recorded 94°F. Meanwhile in **southern California**, record highs included 111°F in **Thermal**, 103°F in **Paso Robles**, and 102°F in **Chatsworth**. In contrast, temperatures fell slightly below the freezing mark along the **Nation's northern tier**. On Friday, **St. Cloud, MN** (28°F) notched a daily-record low. The next day, record lows included 29°F in **Massena, NY** and 30°F in **St. Johnsbury, VT**.

A major storm system moved into the **Great Basin** on Tuesday, then churned across areas from **Wyoming** to the **northern Mid-Atlantic region**, reaching the **East Coast** on Friday. **Winnemucca, NV** netted a daily-record precipitation (0.89 inch) on Tuesday. A day later, on May 17, daily-record totals included 4.02 inches in **Rochester, MN** and 2.87 inches in **LaCrosse, WI**. **Rochester's** previous single-day record for May had been 2.97 inches, set on May 20, 1912. In addition, **Rochester's** storm-total (May 15-18) precipitation reached 5.34 inches, boosting their May 1-20 rainfall to 6.13 inches (285 percent of normal). **LaCrosse's** only greater 1-day total during May (3.06 inches) was observed on May 19, 1912.

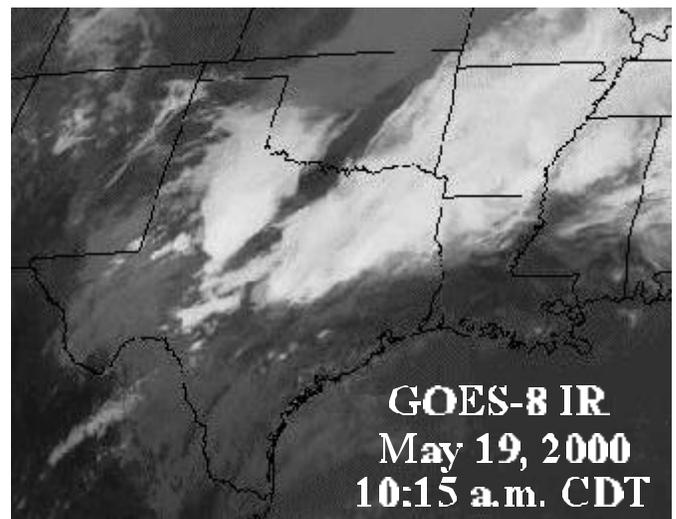
The storm lifted month-to-date rainfall to 3.25 inches in **Casper, WY**, accounting for 54 percent of their January 1 - May 20 total. **Rochester's** storm-total rainfall represented half of their year-to-date total of 10.69 inches (131 percent of normal). Elsewhere across the **North**, May 1-20 precipitation reached 8.17 inches in **Grand Rapids, MI**, 6.85 inches in **Milwaukee, WI**, and 4.73 inches in **Sioux Falls, SD**. **Grand Rapids' total** approached their May rainfall record of 8.29 inches, set in 1981. Farther east, **Burlington, VT** netted 5.24 inches during the first 20 days of



May, raising their January 1 - May 20 total to 16.85 inches (162 percent of normal).

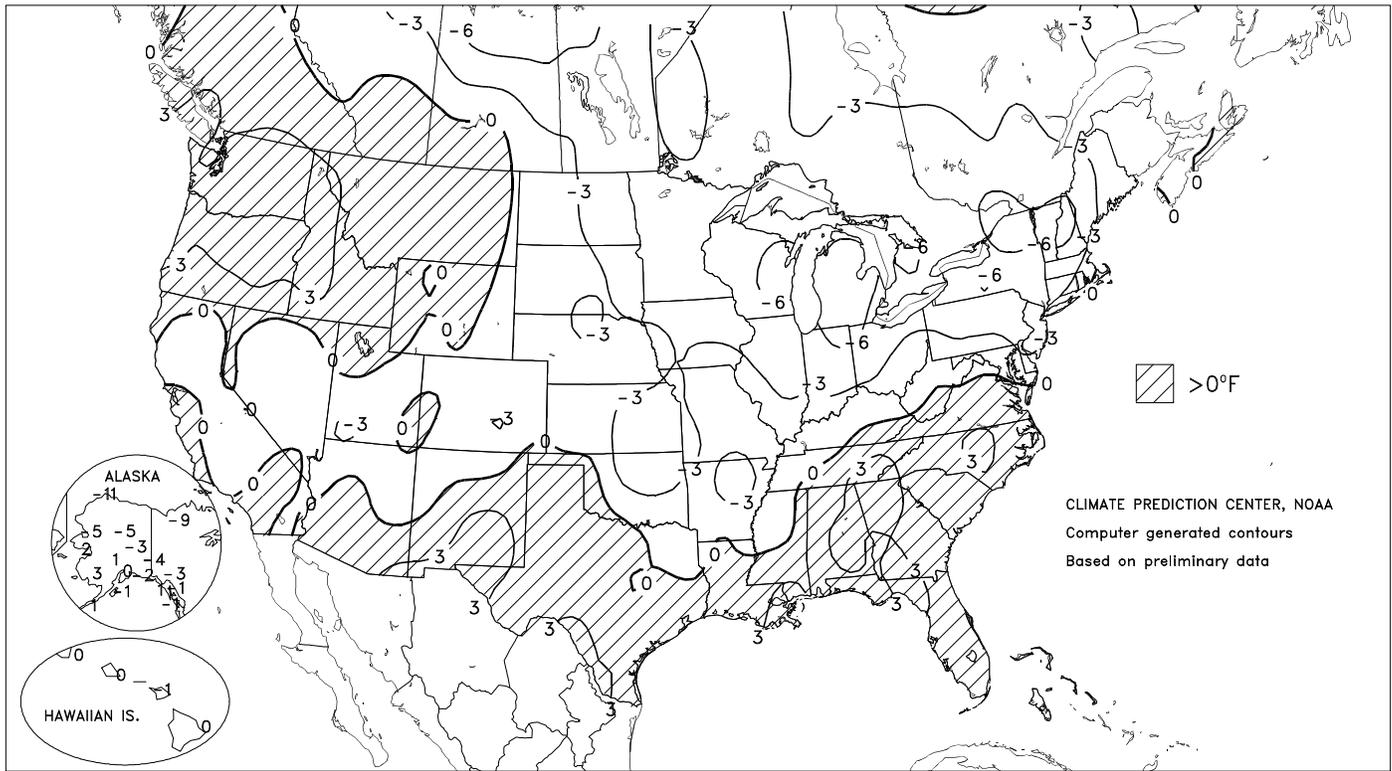
Thunderstorms erupted late in the week along the storm system's trailing cold front, soaking the **Arklatex** and adjacent areas. On Friday, daily-record totals were noted in locations such as **Houston, TX** (6.87 inches), **Texarkana, AR** (3.43 inches), and **Shreveport, LA** (2.52 inches). Very localized totals in excess of 10 inches inundated areas near **Houston**, including 19.10 inches in **Liberty**. Nearly all (18.30 inches) of **Liberty's** rain fell in just 5 hours on May 19-20. **Houston's** May 1-20 precipitation totaled 12.18 inches, more than the 11.08 inches that fell in the city during the 8-month period from August 1999 - March 2000. (**Houston's** April rainfall totaled 5.52 inches.) On the **Texas High Plains**, **Midland** netted 1.05 inches on Friday, accounting for 40 percent of their year-to-date precipitation. Farther east, however, year-to-date rainfall remained as low as 3.11 inches (29 percent of normal) in **Tampa, FL** and 7.67 inches (33 percent) in **New Orleans, LA**.

Drought continued to intensify nearly statewide in **Hawaii** under a mild, dry weather regime. Scattered showers were confined mostly to windward areas. Meanwhile in **Alaska**, very cold weather (generally 3 to 11°F below normal for the week) remained entrenched across northern and interior sections. Showers accompanied the cool weather, resulting in a daily-record rainfall (0.45 inch) in **Fairbanks** on May 20.



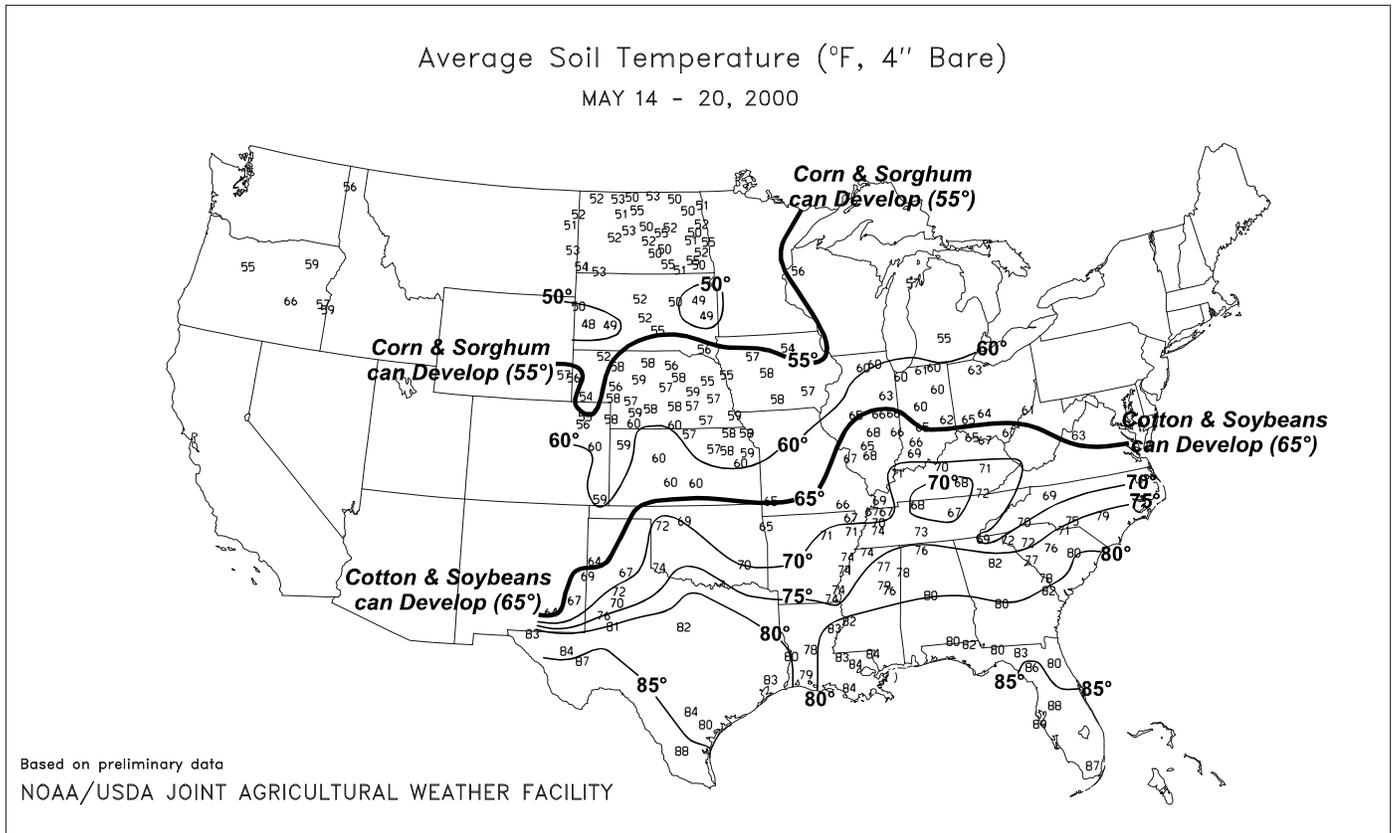
Departure of Average Temperature from Normal (°F)

MAY 14 - 20, 2000



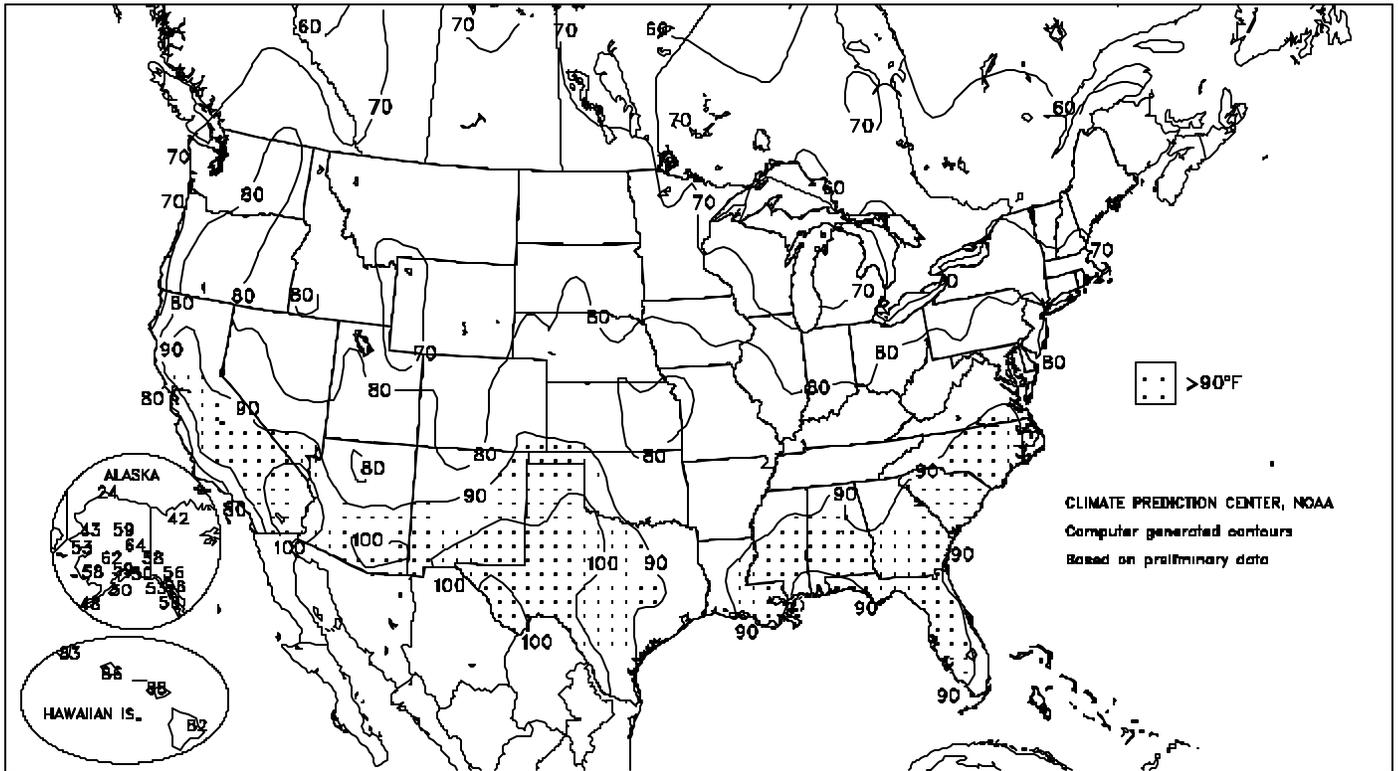
Average Soil Temperature (°F, 4" Bare)

MAY 14 - 20, 2000



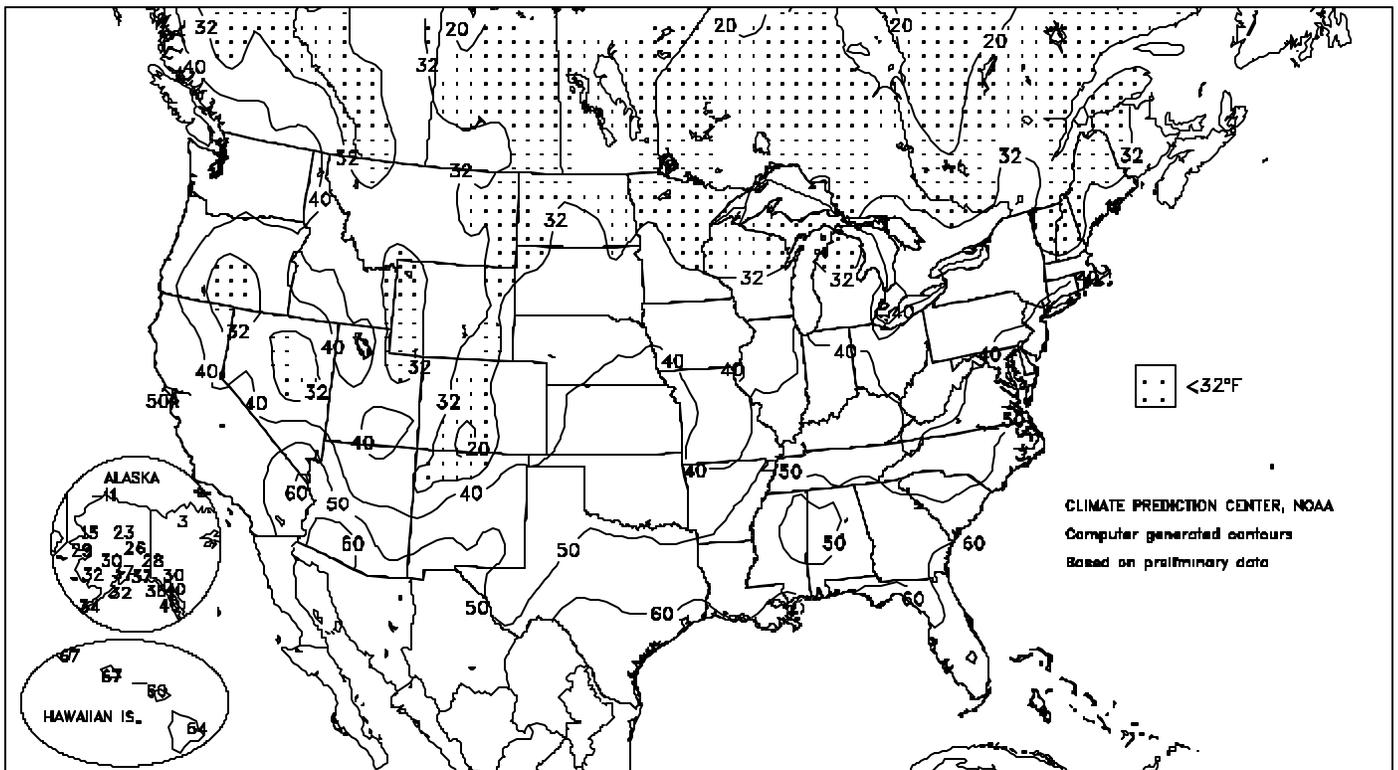
Extreme Maximum Temperature (°F)

MAY 14 - 20, 2000



Extreme Minimum Temperature (°F)

MAY 14 - 20, 2000



## Weather Data for Selected Locations in the Delta

Weather Data for the Week Ending May 20, 2000

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

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 Mar 1	PCT. NORMAL SINCE Mar 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 *	82	62	90	52	72	2	-	-	-	-	-	-	-	-	-	2	0	-	-
BELZONI *	85	60	92	55	73	0	0.69	-0.62	0.40	17.72	117	-	-	-	-	2	0	3	0
CLARKSDALE *	81	63	90	53	72	3	-	-	-	-	-	-	-	-	1	0	-	-	
CLEVELAND *	80	61	88	53	71	-3	0.29	-0.57	0.26	17.54	135	23.25	102	-	0	0	2	0	
GREENVILLE *	83	61	89	53	72	-1	1.05	-0.04	1.05	21.39	157	-	-	-	0	0	1	1	
GREENWOOD *	82	62	89	50	72	-1	0.30	-0.87	0.25	16.66	123	20.98	95	-	0	0	2	0	
INDIANOLA 1S	81	64	89	54	73	-	0.59	-	0.37	-	-	-	-	76	68	0	2	0	
INVERNESS 5E	82	64	89	54	73	-	0.43	-	0.38	19.41	-	23.65	-	-	0	0	2	0	
LYON	82	62	90	52	72	-	0.28	-	0.15	14.99	-	19.66	-	-	0	0	2	0	
MOORHEAD *	82	64	89	54	73	0	0.60	-0.52	0.51	22.18	161	24.30	107	-	2	0	3	1	
ONWARD	82	63	89	53	73	-	0.84	-	0.80	-	-	-	-	80	68	0	2	1	
ROLLING FORK *	83	61	90	52	72	-1	0.45	-0.54	0.45	12.91	93	16.13	69	-	1	0	1	0	
SIDON	83	64	89	55	74	-	0.22	-	0.21	15.31	-	19.75	-	-	0	0	2	0	
TUNICA *	81	63	90	54	72	1	0.42	-0.77	0.34	15.48	111	21.05	95	-	1	0	3	0	
VICKSBURG *	81	63	88	53	72	-1	0.57	-0.48	0.57	18.88	129	-	-	-	0	0	1	1	
YAZOO CITY *	83	62	89	55	73	0	0.62	-0.52	0.53	20.47	138	24.28	96	-	0	0	2	1	
STONEVILLE *	82	62	90	53	72	0	0.86	-0.28	0.63	25.01	177	30.13	128	-	1	0	2	1	

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

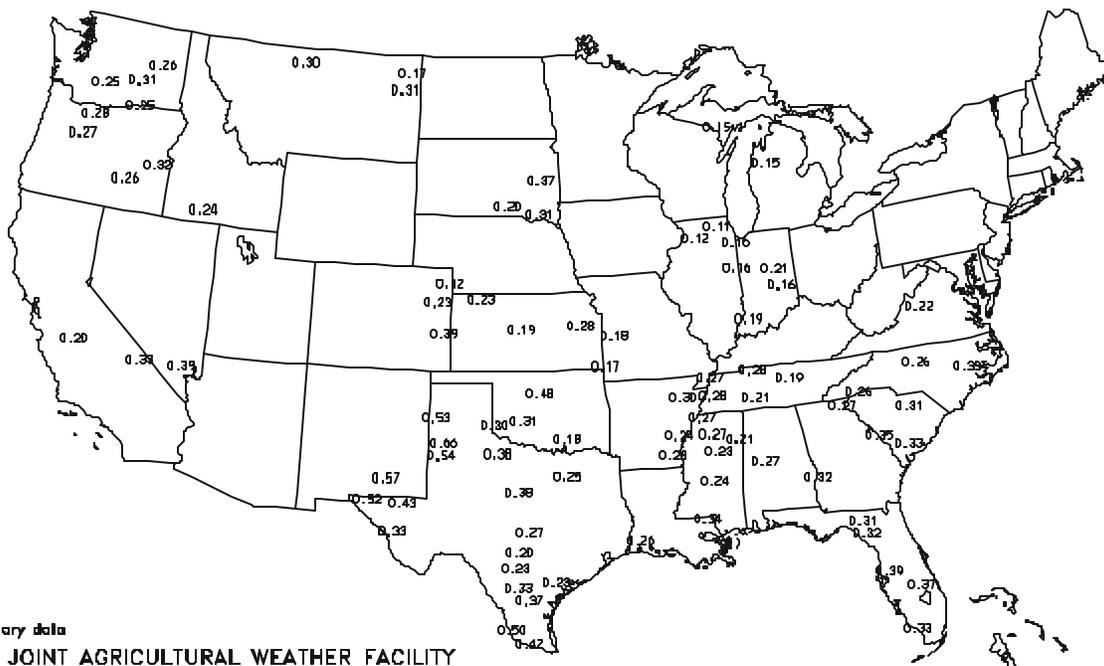
\* Based on 1964-93 normals.

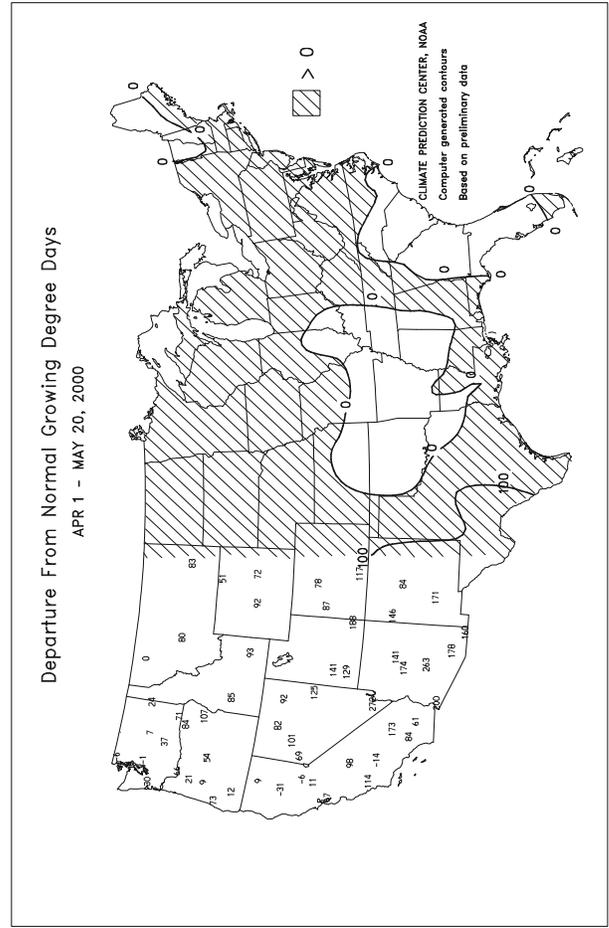
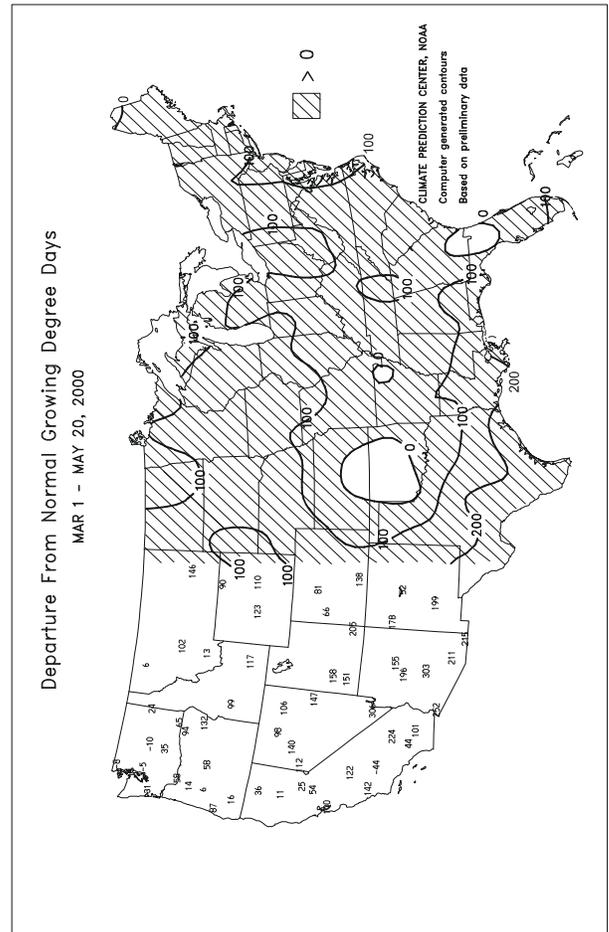
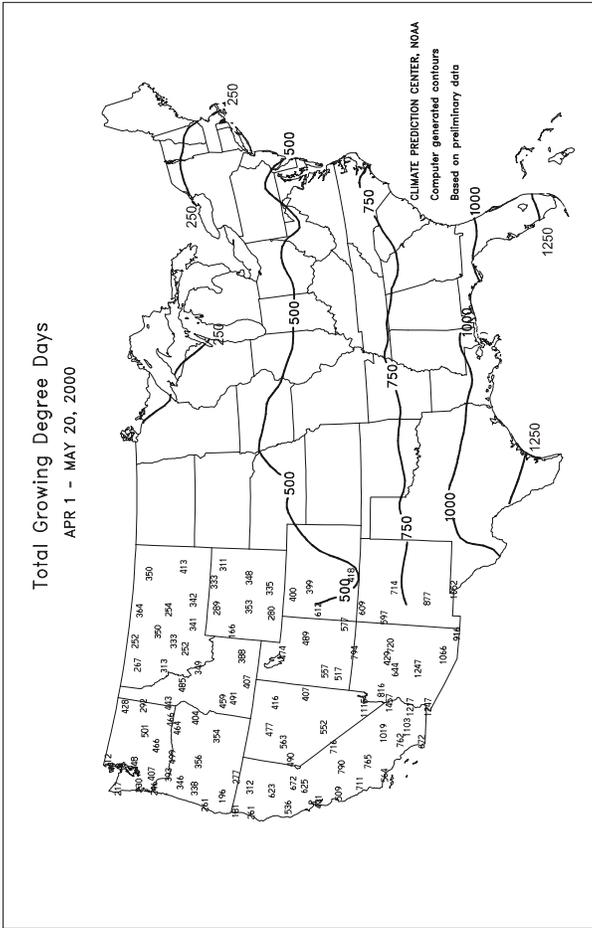
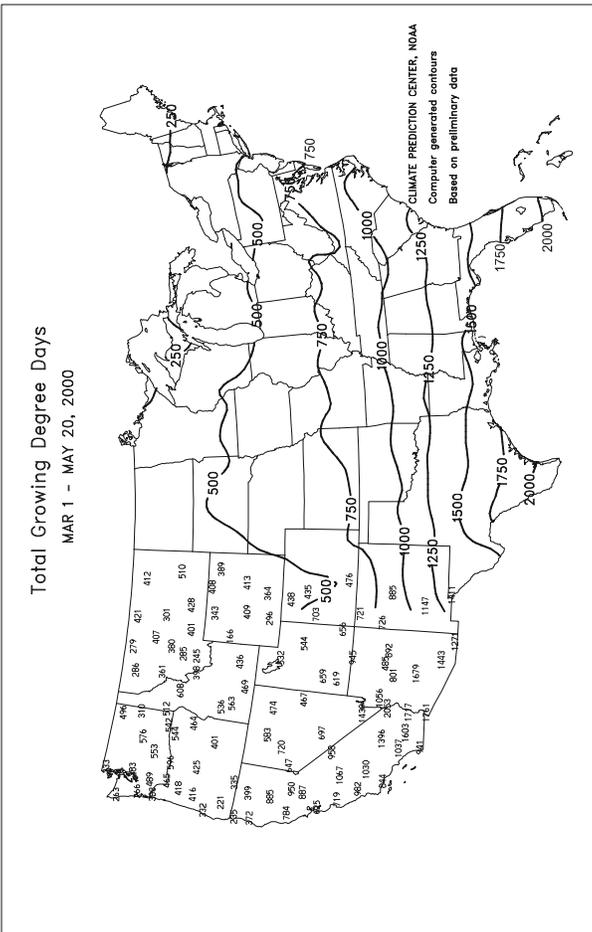
x Based on 1961-90 normals.

**Delta Weather and Crop Summary:** Brief episodes of high winds raised dust in some cotton fields, adversely affecting young plants in a few areas. Soybeans, corn, and milo continued to rapidly develop. Some pesticides and herbicides were applied. Winter wheat samples were cut and tested for moisture. Growers will begin to harvest wheat when soil conditions permit.

### Average Pan Evaporation (Inches)

MAY 14 - 20, 2000





National Weather Data for Selected Cities

Weather Data for the Week Ending May 20, 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 Mar 1	PCT. NORMAL SINCE Mar 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	50 INCH OR MORE	
AL	BIRMINGHAM	84	61	90	47	72	2	0.14	-0.96	0.14	19.20	134	27.09	112	78	39	1	0	1	0
	HUNTSVILLE	82	60	91	50	71	2	0.30	-0.86	0.30	14.78	99	21.63	87	80	47	2	0	1	0
	MOBILE	87	65	89	57	76	1	0.14	-1.18	0.13	10.04	69	14.01	56	87	53	0	0	2	0
	MONTGOMERY	88	63	91	56	76	4	0.00	-0.88	0.00	4.86	37	10.78	46	80	36	3	0	0	0
AK	ANCHORAGE	53	41	59	37	47	0	0.66	0.49	0.32	1.52	84	3.64	108	77	65	0	0	4	0
	BARROW	17	2	24	-11	10	-11	0.03	0.00	0.01	0.37	82	0.81	105	88	83	0	7	3	0
	FAIRBANKS	58	36	64	26	47	-3	0.45	0.31	0.45	0.53	52	2.50	132	60	34	0	2	1	0
	JUNEAU	51	42	56	40	47	0	1.68	0.88	0.44	11.94	145	18.32	111	97	84	0	0	7	0
	KODIAK	48	38	50	32	43	-1	0.58	-0.69	0.28	14.91	121	23.08	92	89	81	0	1	5	0
	NOME	45	33	53	29	39	2	0.03	-0.11	0.03	0.51	32	4.01	134	68	52	0	3	1	0
AZ	FLAGSTAFF	67	33	74	28	50	-1	0.12	-0.03	0.09	3.48	76	5.41	62	57	18	0	3	2	0
	PHOENIX	94	68	101	60	81	2	0.00	-0.03	0.00	2.98	253	2.99	118	26	14	5	0	0	0
	TUCSON	92	60	103	53	76	1	0.00	-0.04	0.00	0.93	80	1.22	45	20	12	4	0	0	0
	YUMA	93	67	106	58	80	0	0.00	0.00	0.00	0.40	105	0.50	53	38	27	5	0	0	0
AR	FORT SMITH	79	58	88	44	69	-1	0.26	-0.95	0.21	7.55	67	10.55	67	87	52	0	0	2	0
	LITTLE ROCK	77	59	87	49	68	-3	1.33	0.16	0.76	11.64	84	15.66	75	90	58	0	0	3	1
CA	BAKERSFIELD	81	56	96	52	68	-3	0.09	0.05	0.08	1.95	111	4.52	123	64	42	1	0	2	0
	FRESNO	79	56	96	51	68	-1	0.05	-0.01	0.05	2.56	83	11.84	173	78	52	2	0	1	0
	LOS ANGELES	68	55	71	54	62	-1	0.00	-0.03	0.00	4.28	152	9.82	127	85	61	0	0	0	0
	REDDING	76	54	94	45	65	-2	0.76	0.48	0.38	8.93	122	25.88	145	76	52	2	0	3	0
	SACRAMENTO	77	52	95	47	65	-1	0.46	0.41	0.30	5.48	139	21.61	205	96	40	2	0	3	0
	SAN DIEGO	69	59	72	57	64	0	0.00	-0.03	0.00	1.54	57	5.40	89	84	66	0	0	0	0
	SAN FRANCISCO	68	52	79	51	60	2	0.31	0.29	0.14	4.57	100	18.95	156	87	70	0	0	3	0
	STOCKTON	83	52	97	43	67	0	0.11	0.06	0.10	2.68	78	11.44	138	78	56	1	1	2	0
CO	ALAMOSA	67	30	78	21	49	-2	0.00	-0.14	0.00	1.14	86	1.39	74	68	22	0	5	0	0
	CO SPRINGS	69	42	84	36	56	0	0.04	-0.46	0.04	3.57	103	4.48	107	64	20	0	0	1	0
	DENVER	70	41	88	37	55	-3	2.00	1.45	1.76	4.72	104	5.23	93	76	21	0	0	2	1
	GRAND JUNCTION	75	51	83	44	63	0	0.00	-0.19	0.00	1.88	85	3.93	121	39	21	0	0	0	0
	PUEBLO	77	40	90	35	59	-3	0.00	-0.28	0.00	4.46	182	4.84	157	67	24	1	0	0	0
CT	BRIDGEPORT	65	49	72	43	57	-2	1.54	0.65	0.84	12.37	123	16.42	101	82	60	0	0	4	1
	HARTFORD	67	45	73	36	56	-4	1.28	0.34	0.65	10.70	105	15.13	90	85	57	0	0	3	1
DC	WASHINGTON	74	58	85	50	66	-1	0.37	-0.48	0.36	10.63	129	15.70	115	79	49	0	0	2	0
DE	WILMINGTON	70	51	83	43	61	-2	0.85	-0.03	0.53	14.30	154	19.98	131	90	52	0	0	3	1
FL	DAYTONA BEACH	86	64	93	61	75	0	0.00	-0.80	0.00	9.63	135	12.08	93	92	46	1	0	0	0
	JACKSONVILLE	87	64	92	60	75	1	1.07	0.25	1.07	6.42	75	10.36	66	92	50	2	0	1	1
	KEY WEST	86	76	88	72	81	0	0.00	-0.81	0.00	4.05	74	5.21	56	75	56	0	0	0	0
	MIAMI	87	73	91	70	80	1	0.27	-1.19	0.26	4.00	45	5.77	45	79	53	1	0	2	0
	ORLANDO	90	65	94	58	78	1	0.00	-0.83	0.00	2.67	38	4.26	35	90	48	4	0	0	0
	PENSACOLA	85	66	90	59	76	1	0.00	-0.96	0.00	6.04	51	10.35	47	83	51	1	0	0	0
	TALLAHASSEE	92	63	94	61	77	3	0.00	-1.09	0.00	4.36	34	8.28	36	87	39	7	0	0	0
	TAMPA	91	71	93	68	81	3	0.00	-0.74	0.00	0.87	15	3.12	28	85	43	4	0	0	0
	WEST PALM	86	73	88	70	79	1	0.04	-1.41	0.04	6.16	60	7.92	50	81	62	0	0	1	0
GA	ATHENS	85	61	92	54	73	3	0.01	-0.98	0.01	5.33	43	11.72	55	76	40	2	0	1	0
	ATLANTA	83	61	87	52	72	2	0.00	-0.98	0.00	6.35	49	12.50	56	76	47	0	0	0	0
	AUGUSTA	86	57	96	45	72	1	0.00	-0.86	0.00	4.37	42	12.03	64	80	37	2	0	0	0
	COLUMBUS	88	65	91	56	76	3	0.11	-0.83	0.11	8.97	70	14.16	64	75	33	2	0	1	0
	MACON	89	60	94	53	74	2	0.29	-0.51	0.29	6.17	59	11.75	59	79	33	4	0	1	0
	SAVANNAH	86	63	94	57	75	1	0.00	-0.94	0.00	7.14	77	11.42	71	88	52	2	0	0	0
HI	HILO	81	67	82	64	74	0	0.38	-1.75	0.13	14.00	39	32.39	58	88	77	0	0	5	0
	HONOLULU	85	70	86	67	78	0	0.00	-0.25	0.00	0.85	19	2.20	21	76	68	0	0	0	0
	KAHULUI	86	64	88	60	75	-1	0.00	-0.15	0.00	1.70	33	2.76	23	79	68	0	0	0	0
	LIHUE	81	71	83	67	76	0	0.00	-0.71	0.00	4.35	44	6.96	37	78	68	0	0	0	0
ID	BOISE	75	48	79	45	62	4	0.00	-0.25	0.00	3.53	109	7.10	123	70	40	0	0	0	0
	LEWISTON	77	50	81	46	63	4	0.08	-0.22	0.05	2.83	92	5.94	114	78	49	0	0	3	0
	POCATELLO	72	38	77	34	55	1	0.04	-0.26	0.04	2.11	63	5.06	96	73	34	0	0	1	0
IL	CHICAGO/O'HARE	64	47	70	40	55	-5	1.02	0.28	0.74	9.13	108	12.45	110	80	62	0	0	4	1
	MOLINE	72	46	83	37	59	-3	0.66	-0.30	0.62	7.43	77	12.13	98	87	56	0	0	3	1
	PEORIA	71	48	82	37	59	-4	0.17	-0.66	0.08	6.23	69	8.86	74	85	51	0	0	3	0
	ROCKFORD	64	44	71	37	54	-6	1.65	0.83	1.34	7.72	92	11.18	103	94	62	0	0	3	1
	SPRINGFIELD	73	51	82	37	62	-2	0.15	-0.67	0.13	5.22	56	7.03	56	74	51	0	0	2	0
IN	EVANSVILLE	74	53	85	42	64	-2	0.62	-0.47	0.60	7.14	60	18.75	106	80	54	0	0	2	1
	FORT WAYNE	65	46	78	38	56	-5	0.64	-0.13	0.54	6.93	82	9.76	80	95	61	0	0	3	1
	INDIANAPOLIS	69	51	77	40	60	-4	0.82	-0.09	0.41	8.59	85	13.52	91	85	56	0	0	5	0
	SOUTH BEND	64	45	75	38	55	-5	1.60	0.88	1.30	8.81	98	12.84	98	92	59	0	0	4	1
IA	BURLINGTON	72	48	84	36	60	-3	0.05	-0.80	0.05	5.40	62	8.86	79	87	43	0	0	1	0
	CEDAR RAPIDS	71	46	78	35	58	-3	0.81	-0.03	0.75	4.96	63	7.52	76	93	47	0	0	5	1
	DES MOINES	73	50	82	40	61	-2	1.03	0.20	0.98	4.26	53	6.92	69	80	54	0	0	3	1
	DUBUQUE	65	44	71	36	55	-4	1.21	0.25	0.72	7.85	84	10.68	90	88	58	0	0	3	1
	SIoux CITY	74	46	82	38	60	-2	1.45	0.60	1.24	4.54	69	5.70	73	84	51	0	0	3	1
	WATERLOO	70	45	75	36	58	-3	2.02	1.09	1.74	6.86	84	8.93	89	84	53	0	0	4	1
KS	CONCORDIA	72	51	79	43	62	-1	0.21	-0.80	0.20	5.52	77	7.58	89	85	58	0	0	2	0
	DODGE CITY	77	51	89	43	64	-1	0.00	-0.70	0.00	8.42	153	9.08	137	81	37	0	0	0	0
	GOODLAND	74	44	84	38	59	-1	0.05	-0.78	0.05	3.83	82	4.81	88	87	54	0	0	1	0
	TOPEKA	72	51	78	40	61	-4	0.01	-1.02	0.01	4.09	50	6.28	61	84	63	0	0	1	0

Based on 1961-90 normals

Weather Data for the Week Ending May 20, 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 Mar 1	PCT. NORMAL SINCE Mar 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	72	52	77	40	62	-4	0.57	-0.32	0.47	8.04	112	11.68	131	85	58	0	0	3	0
	JACKSON	74	55	86	44	64	-1	0.55	-0.52	0.37	9.22	79	15.38	80	87	44	0	0	3	0
	LEXINGTON	74	54	86	43	64	-1	0.27	-0.75	0.21	9.91	89	18.12	105	79	53	0	0	4	0
	LOUISVILLE	74	56	85	47	65	-1	0.38	-0.68	0.35	8.66	73	20.79	115	78	50	0	0	2	0
	PADUCAH	76	56	86	47	66	-1	0.12	-1.00	0.09	10.81	82	22.38	110	87	46	0	0	3	0
LA	BATON ROUGE	88	64	92	55	76	0	0.00	-1.09	0.00	6.06	45	9.49	40	91	39	3	0	0	0
	LAKE CHARLES	84	67	88	58	76	1	1.19	-0.14	1.19	19.39	190	21.70	118	91	56	0	0	1	1
	NEW ORLEANS	87	70	91	62	79	4	0.02	-1.01	0.02	3.61	29	7.67	33	78	49	2	0	1	0
	SHREVEPORT	82	64	88	55	73	0	3.04	1.84	2.50	21.97	206	26.88	145	88	56	0	0	2	2
ME	CARIBOU	60	38	66	32	49	-3	0.96	0.24	0.68	9.47	138	15.29	137	84	37	0	1	2	1
	PORTLAND	63	41	68	34	52	-2	0.20	-0.60	0.19	10.69	106	16.99	100	87	51	0	0	2	0
MD	BALTIMORE	72	52	85	41	62	-2	0.36	-0.49	0.29	10.58	120	16.23	108	90	55	0	0	4	0
MA	BOSTON	65	49	71	43	57	-2	0.50	-0.22	0.36	10.06	107	15.38	93	82	55	0	0	2	0
	WORCESTER	63	43	68	38	53	-3	1.03	0.04	0.62	13.17	123	18.88	106	85	46	0	0	3	1
MI	ALPENA	57	35	63	28	46	-7	0.69	0.06	0.39	6.25	103	10.15	113	89	46	0	3	4	0
	GRAND RAPIDS	60	43	67	39	51	-7	3.65	2.96	2.53	12.34	155	14.89	133	91	60	0	0	4	1
	HOUGHTON LAKE	58	38	65	29	48	-7	1.90	1.31	0.79	7.48	128	10.40	122	86	55	0	2	3	2
	LANSING	61	40	71	34	51	-7	3.73	3.14	3.21	10.07	150	12.14	127	85	59	0	0	5	1
	MUSKEGON	60	44	71	40	52	-5	3.14	2.56	1.82	11.73	165	13.83	126	90	59	0	0	4	2
	TRAVERSE CITY	60	38	65	29	49	-5	1.18	0.66	0.56	5.03	92	7.86	88	95	41	0	2	3	1
MN	DULUTH	61	36	69	29	49	-3	0.00	-0.70	0.00	5.83	97	7.75	96	82	43	0	2	0	0
	INT'L FALLS	62	36	70	29	49	-4	0.14	-0.43	0.14	4.59	112	5.41	96	81	33	0	4	1	0
	MINNEAPOLIS	65	44	70	36	54	-5	1.51	0.73	0.91	5.00	77	6.96	84	81	39	0	0	4	1
	ROCHESTER	63	41	70	34	52	-6	5.34	4.56	3.89	7.94	119	10.69	131	84	61	0	0	4	2
	ST. CLOUD	66	38	74	28	52	-5	0.39	-0.34	0.30	4.69	83	6.48	92	84	35	0	1	3	0
MS	JACKSON	84	63	90	54	73	1	1.50	0.37	1.50	14.72	99	17.89	72	88	44	1	0	1	1
	MERIDIAN	86	59	92	47	73	1	2.72	1.74	2.72	11.14	73	15.71	61	92	43	3	0	1	1
	TUPELO	82	59	90	48	71	0	0.02	-1.29	0.02	13.48	89	20.50	83	81	47	2	0	1	0
MO	COLUMBIA	74	52	85	40	63	-1	0.00	-1.16	0.00	5.55	54	9.71	72	84	52	0	0	0	0
	KANSAS CITY	71	52	77	41	62	-3	0.00	-1.18	0.00	5.67	64	8.34	76	84	58	0	0	0	0
	SAINT LOUIS	75	56	84	44	66	-1	0.02	-0.89	0.02	6.47	67	10.81	80	83	60	0	0	1	0
	SPRINGFIELD	72	53	84	36	62	-3	0.07	-0.92	0.07	5.81	54	8.66	59	83	60	0	0	1	0
MT	BILLINGS	70	46	75	38	58	2	0.78	0.17	0.43	3.62	79	6.43	105	78	32	0	0	4	0
	BUTTE	64	37	70	32	51	3	0.69	0.26	0.39	2.71	96	3.61	97	92	34	0	1	3	0
	GLASGOW	72	44	77	35	58	2	0.39	-0.03	0.31	2.85	131	3.08	110	77	38	0	0	2	0
	GREAT FALLS	69	41	74	35	55	1	0.03	-0.56	0.01	1.54	38	2.57	46	79	30	0	0	3	0
	KALISPELL	68	41	76	31	54	2	0.26	-0.17	0.14	2.75	84	4.37	74	84	44	0	1	2	0
	MILES CITY	74	43	79	36	59	1	0.01	-0.52	0.01	1.28	38	2.33	53	79	21	0	0	1	0
	MISSOULA	70	41	73	34	55	3	0.00	-0.42	0.00	1.63	54	4.09	81	78	45	0	0	0	0
NE	GRAND ISLAND	74	47	81	39	61	-1	0.25	-0.64	0.20	3.87	57	5.47	69	90	59	0	0	3	0
	LINCOLN	75	51	83	41	63	0	0.31	-0.59	0.16	4.25	58	5.90	69	85	54	0	0	3	0
	NORFOLK	72	47	80	35	60	-2	0.55	-0.30	0.49	3.05	48	4.37	57	79	53	0	0	3	0
	NORTH PLATTE	73	43	80	32	58	-1	0.31	-0.49	0.16	3.83	72	4.60	75	89	47	0	1	3	0
	OMAHA	74	51	83	42	62	-1	1.11	0.05	0.96	5.81	77	7.93	87	87	60	0	0	3	1
	SCOTTSBLUFF	70	43	83	37	56	-1	0.77	0.12	0.65	5.22	118	6.37	118	82	39	0	0	3	1
	VALENTINE	72	40	82	32	56	-2	2.19	1.45	1.81	5.68	121	7.07	130	91	44	0	1	3	1
NV	ELY	66	35	75	31	51	0	1.32	1.05	0.70	5.17	189	7.43	182	72	37	0	2	3	1
	LAS VEGAS	86	64	95	56	75	0	0.00	-0.06	0.00	0.22	28	1.81	103	29	22	3	0	0	0
	RENO	71	43	86	38	57	0	0.18	0.01	0.18	0.93	61	4.05	113	55	28	0	0	1	0
	WINNEMUCCA	71	37	80	32	54	-2	0.93	0.74	0.85	3.31	153	6.21	176	87	39	0	1	2	1
NH	CONCORD	63	35	72	27	49	-7	0.58	-0.14	0.45	10.83	142	15.92	125	82	37	0	4	3	0
NJ	NEWARK	69	53	83	46	61	-3	2.85	1.91	1.45	11.72	112	16.65	99	74	55	0	0	4	2
NM	ALBUQUERQUE	79	52	88	46	66	1	0.00	-0.11	0.00	1.28	93	1.88	83	37	17	0	0	0	0
NY	ALBANY	63	44	73	35	53	-5	1.29	0.51	0.95	12.57	156	18.83	148	93	54	0	0	3	1
	BINGHAMTON	60	41	75	38	51	-6	2.26	1.50	1.52	15.68	194	21.99	171	83	59	0	0	3	2
	BUFFALO	60	44	75	38	52	-5	1.40	0.68	0.91	10.39	138	14.79	118	88	58	0	0	5	1
	ROCHESTER	62	45	75	40	54	-4	0.67	0.06	0.52	9.06	137	14.01	130	83	57	0	0	4	1
	SYRACUSE	61	44	73	37	53	-5	0.69	-0.05	0.49	10.07	123	15.25	120	86	50	0	0	3	0
NC	ASHEVILLE	78	53	88	38	66	2	0.22	-0.80	0.22	9.26	86	14.69	82	78	41	0	0	1	0
	CHARLOTTE	81	58	89	47	69	1	0.00	-0.89	0.00	9.83	103	16.49	96	83	44	0	0	0	0
	GREENSBORO	80	58	89	45	69	3	0.89	-0.04	0.73	8.86	97	14.36	92	83	39	0	0	2	1
	HATTERAS	75	66	79	59	71	3	0.00	-0.91	0.00	7.70	74	17.39	88	81	54	0	0	0	0
	RALEIGH	84	58	93	45	71	4	0.00	-0.92	0.00	6.45	73	14.68	92	77	41	2	0	0	0
	WILMINGTON	82	61	94	50	71	0	0.30	-0.73	0.30	7.82	83	13.79	81	92	45	1	0	1	0
ND	BISMARCK	66	39	77	33	53	-3	0.12	-0.38	0.12	4.48	118	6.61	142	89	55	0	0	1	0
	DICKINSON	67	39	76	29	53	-2	0.22	-0.37	0.17	3.37	81	4.59	94	91	37	0	1	3	0
	FARGO	66	41	72	28	54	-3	0.46	-0.10	0.42	4.40	100	5.75	104	79	33	0	1	2	0
	GRAND FORKS	67	35	75	26	51	-5	0.20	-0.28	0.20	2.30	65	4.07	86	89	26	0	2	1	0
	JAMESTOWN	64	39	73	33	52	-4	0.20	-0.23	0.16	3.68	104	6.09	132	90	40	0	0	2	0
	WILLISTON	69	40	77	30	55	-1	0.36	-0.10	0.28	3.38	106	4.22	102	83	42	0	2	3	0
OH	AKRON-CANTON	66	46	76	39	56	-4	1.38	0.53	1.23	10.34	116	15.31	115	83	55	0	0	4	1
	CINCINNATI	72	51	79	39	62	-1	0.66	-0.33	0.46	10.41	97	20.57	128	83	54	0	0	2	1
	CLEVELAND	65	46	78	39	56	-3	1.77	0.97	1.27	8.76	106	13.44	108	88	58	0	0	4	1
	COLUMBUS	72	49	84	40	60	-2	0.21	-0.69	0.13	8.71	97	15.03	112	82	46	0	0	2	0
	DAYTON	69	50	79	42	59	-3	1.04	0.16	1.01	9.10	97	14.45	106	80	46	0			

Weather Data for the Week Ending May 20, 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 Mar 1	PCT. NORMAL SINCE Mar 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	65	43	77	37	54	-5	2.11	1.46	1.88	9.78	131	12.56	115	91	57	0	0	4	1	
OK YOUNGSTOWN	65	45	77	35	55	-3	1.33	0.53	0.77	9.16	109	13.29	106	87	57	0	0	4	2	
OK OKLAHOMA CITY	77	56	83	45	67	-2	0.00	-1.23	0.00	8.66	99	10.88	95	85	50	0	0	0	0	
OR TULSA	75	56	83	45	66	-4	0.39	-0.91	0.29	10.69	99	12.91	90	90	55	0	0	3	0	
OR ASTORIA	63	50	72	46	56	3	0.55	-0.11	0.31	13.30	97	30.07	96	93	80	0	0	5	0	
OR BURNS	71	40	79	33	56	5	0.18	-0.04	0.08	2.15	95	5.67	141	80	47	0	0	3	0	
OR EUGENE	71	46	76	42	59	3	0.38	-0.10	0.31	11.31	112	26.86	114	94	71	0	0	3	0	
OR MEDFORD	75	47	86	43	61	2	0.34	0.12	0.34	5.90	161	13.66	165	88	39	0	0	1	0	
OR PENDLETON	77	49	83	44	63	5	0.08	-0.14	0.08	4.14	145	9.13	166	77	43	0	0	1	0	
OR PORTLAND	71	52	77	48	61	3	0.37	-0.10	0.18	7.58	104	17.75	107	93	70	0	0	4	0	
PA SALEM	71	48	77	42	60	5	0.12	-0.30	0.06	5.91	75	19.89	109	97	72	0	0	3	0	
PA ALLENTOWN	66	48	81	38	57	-4	2.00	1.04	0.70	12.77	134	17.51	112	83	60	0	0	3	3	
PA ERIE	62	46	77	39	54	-4	2.00	1.42	1.77	11.19	133	15.62	121	81	62	0	0	4	1	
PA MIDDLETOWN	71	51	85	43	61	-2	1.72	0.73	1.05	11.06	120	15.40	103	95	50	0	0	5	2	
PA PHILADELPHIA	69	53	83	48	61	-3	0.80	-0.05	0.60	11.56	121	16.82	108	77	59	0	0	3	1	
PA PITTSBURGH	71	49	83	37	60	0	1.08	0.26	1.07	7.26	82	11.49	83	83	45	0	0	2	1	
PA WILKES-BARRE	65	43	79	35	54	-6	0.77	-0.06	0.39	7.82	100	12.30	102	89	52	0	0	3	0	
PA WILLIAMSPORT	68	45	86	35	57	-3	0.08	-0.80	0.04	10.11	114	14.49	102	88	54	0	0	4	0	
RI PROVIDENCE	67	48	75	41	57	-1	0.81	-0.03	0.50	12.90	121	19.83	109	79	61	0	0	3	1	
SC BEAUFORT	86	66	94	59	76	2	0.00	-0.91	0.00	6.58	71	9.51	58	93	48	2	0	0	0	
SC CHARLESTON	86	64	94	58	75	2	0.00	-0.93	0.00	5.58	60	11.63	72	92	44	2	0	0	0	
SC COLUMBIA	88	60	96	46	74	3	0.00	-0.84	0.00	5.67	55	15.73	83	73	32	3	0	0	0	
SD GREENVILLE	82	61	90	52	71	3	0.00	-1.01	0.00	10.68	89	16.27	79	79	40	1	0	0	0	
SD ABERDEEN	68	41	73	30	55	-3	0.41	-0.14	0.33	6.02	126	6.98	124	86	52	0	1	2	0	
SD HURON	69	43	74	33	56	-2	1.95	1.29	1.42	6.27	113	7.05	106	88	50	0	0	4	1	
SD RAPID CITY	66	42	74	34	54	-2	0.88	0.26	0.70	9.02	197	9.55	174	88	49	0	0	4	1	
SD SIOUX FALLS	66	41	75	32	53	-6	3.19	2.50	1.62	7.97	131	9.69	134	89	60	0	1	3	3	
TN BRISTOL	80	51	89	38	65	1	0.23	-0.65	0.23	7.71	81	13.20	82	90	35	0	0	1	0	
TN CHATTANOOGA	83	61	91	52	72	5	0.07	-0.92	0.04	13.55	102	21.06	92	79	49	1	0	2	0	
TN KNOXVILLE	80	58	89	45	69	3	0.43	-0.51	0.35	12.84	112	21.40	109	79	43	0	0	2	0	
TN MEMPHIS	79	63	88	55	71	-1	0.12	-1.00	0.06	12.13	85	18.87	85	73	48	0	0	3	0	
TX NASHVILLE	78	58	88	47	68	0	0.29	-0.83	0.27	11.01	89	18.28	92	78	43	0	0	2	0	
TX ABILENE	88	63	106	52	75	2	2.20	1.51	2.19	3.72	73	4.33	59	73	38	4	0	2	1	
TX AMARILLO	83	53	97	42	68	2	0.28	-0.31	0.28	4.90	145	5.18	115	64	20	2	0	1	0	
TX AUSTIN	86	66	90	57	76	0	0.35	-0.78	0.30	7.35	98	12.32	108	86	61	2	0	2	0	
TX BEAUMONT	84	69	87	63	77	1	0.01	-1.32	0.01	19.66	190	22.06	119	89	58	0	0	1	0	
TX BROWNSVILLE	89	73	91	68	81	1	0.01	-0.68	0.01	4.77	121	5.91	90	91	60	4	0	1	0	
TX CORPUS CHRISTI	88	72	90	66	80	2	2.58	1.80	2.21	9.89	209	11.01	131	93	67	1	0	2	1	
TX DEL RIO	92	70	101	64	81	3	0.08	-0.39	0.06	2.02	50	3.00	54	79	54	4	0	3	0	
TX EL PASO	91	63	102	56	77	5	0.00	-0.06	0.00	0.34	53	0.37	26	34	14	4	0	0	0	
TX FORT WORTH	83	64	90	52	74	1	1.69	0.56	0.89	7.48	79	12.37	92	81	49	1	0	2	2	
TX GALVESTON	83	74	85	69	79	3	2.60	1.77	2.60	8.47	123	11.92	96	86	64	0	0	1	1	
TX HOUSTON	86	67	89	57	77	2	7.63	6.41	6.80	22.30	236	25.87	165	91	62	0	0	2	2	
TX LUBBOCK	85	58	101	46	71	1	0.04	-0.52	0.04	4.95	150	5.00	115	62	31	3	0	1	0	
TX MIDLAND	88	59	102	47	74	1	1.05	0.58	1.05	2.00	75	2.61	71	71	34	4	0	1	1	
TX SAN ANGELO	88	64	101	57	76	1	2.22	1.51	1.20	3.56	79	3.87	61	74	47	4	0	2	2	
TX SAN ANTONIO	87	67	93	62	77	1	2.24	1.26	2.24	6.27	94	9.87	97	84	52	4	0	1	1	
TX VICTORIA	87	70	89	64	78	1	1.74	0.68	1.13	11.56	172	15.98	147	96	66	0	0	3	2	
TX WACO	84	65	89	53	75	0	1.48	0.41	1.36	8.36	98	14.95	122	90	61	0	0	2	1	
TX WICHITA FALLS	86	60	97	48	73	1	0.00	-0.94	0.00	5.39	69	7.32	71	78	44	3	0	0	0	
UT SALT LAKE CITY	72	49	80	43	61	2	0.40	0.00	0.39	2.74	52	6.71	88	61	26	0	0	2	0	
VT BURLINGTON	62	40	69	34	51	-6	0.53	-0.18	0.42	11.59	166	16.16	155	89	46	0	0	3	0	
VA LYNCHBURG	79	52	86	39	66	1	0.16	-0.75	0.11	5.79	64	10.96	73	82	40	0	0	2	0	
VA NORFOLK	79	60	90	52	70	3	0.38	-0.50	0.29	6.48	71	12.68	77	78	45	1	0	3	0	
VA RICHMOND	79	59	89	49	69	2	1.00	0.12	0.77	9.70	107	15.29	99	75	46	0	0	3	1	
VA ROANOKE	80	55	87	40	67	2	0.03	-0.88	0.02	8.60	92	12.36	83	72	44	0	0	2	0	
VA WASH/DULLES	73	51	84	35	62	-1	0.40	-0.53	0.37	8.88	100	12.57	88	94	61	0	0	2	0	
WA OLYMPIA	69	47	76	42	58	4	0.46	0.01	0.39	10.96	114	24.96	107	94	69	0	0	4	0	
WA QUILLAYUTE	62	47	74	42	55	4	1.33	0.14	0.61	25.09	111	47.06	95	97	80	0	0	4	1	
WA SEATTLE-TACOMA	65	51	73	48	58	2	0.40	0.02	0.39	7.32	105	16.34	100	93	71	0	0	2	0	
WA SPOKANE	71	47	78	43	59	4	0.09	-0.24	0.06	5.60	156	9.11	129	76	38	0	0	2	0	
WA YAKIMA	78	46	83	38	62	4	0.03	-0.08	0.02	1.38	93	4.25	124	71	40	0	0	2	0	
WV BECKLEY	71	49	83	36	60	0	0.32	-0.59	0.26	7.71	82	12.25	80	82	48	0	0	4	0	
WV CHARLESTON	75	52	89	38	64	0	1.22	0.31	1.10	9.38	99	15.04	97	94	44	0	0	4	1	
WV ELKINS	71	44	85	30	58	0	0.90	-0.04	0.83	8.99	88	14.81	91	10	40	0	1	3	1	
WV HUNTINGTON	75	53	89	40	64	0	0.55	-0.41	0.38	8.09	82	15.41	99	93	42	0	0	3	0	
WI EAU CLAIRE	67	39	75	31	53	-5	1.62	0.75	0.63	5.02	73	7.77	90	93	36	0	1	4	2	
WI GREEN BAY	60	38	66	33	49	-7	2.29	1.65	1.17	6.69	108	8.60	103	91	51	0	0	3	2	
WI LA CROSSE	67	43	75	35	55	-5	0.61	-0.13	0.61	3.50	51	5.87	67	85	40	0	0	1	1	
WI MADISON	63	41	69	34	52	-5	4.70	3.99	2.58	10.15	145	12.95	141	88	52	0	0	3	2	
WI MILWAUKEE	57	42	68	40	50	-5	3.15	2.52	1.55	10.90	136	13.76	124	84	67	0	0	4	2	
WI CASPER	67	39	76	35	53	0	2.30	1.80	2.22	5.02	128	6.04	119	84	43	0	0	3	1	
WI CHEYENNE	65	38	77	32	51	-2	1.01	0.45	0.95	3.38	86	4.32	92	77	52	0	1	3	1	
WI LANDER	67	41	75	37	54	0	1.18	0.65	1.16	4.22	88	4.49	77	80	45	0	0	2	1	
WI SHERIDAN	67	40	72	33	54	1	2.13	1.58	1.79	5.52	131	7.65	137	89	49	0	0	3	1	

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 have been incomplete.

## National Agricultural Summary

May 15 - 21, 2000

### HIGHLIGHTS

**A strong storm improved soil moisture supplies in the northern Corn Belt, Great Lakes region, and middle Atlantic Coast States, although flooding, hail, and strong winds damaged some crops. Fieldwork was halted as the storms slowly moved eastward, but planting resumed near the end of the week in the northwestern Corn Belt. Dry conditions remained in the**

**southern Corn Belt, southern High Plains, and coastal areas of the Southeast. Fieldwork progressed without delays in these areas, but young plants were stressed by moisture shortages. Cold weather damaged small, emerged crops in the northern Great Plains and northern Corn Belt.**

**Winter Wheat:** Seventy-nine percent of the crop was at the heading stage or beyond, 10 percentage points ahead of last year's development, and more than 1 week ahead of the 64-percent average for this date. Virtually all of the crop was headed in Arkansas, Oklahoma, and North Carolina. Development was not far behind in California, Illinois, Kansas, Missouri, and Texas, where 94 to 99 percent of the acreage was headed. Development accelerated in Nebraska and Ohio, where 45 and 63 percent of the crop advanced to the heading stage during the week, despite cooler-than-normal weather. Fields in Colorado and Indiana also quickly progressed to the heading stage. A few fields entered the heading stage in South Dakota, but development lagged slightly behind normal in Montana and Oregon. Harvesting continued along the western Gulf Coast and fields quickly ripened in the Southeast and interior areas of the lower Mississippi Valley.

**Corn:** Planting was 96 percent complete, more than 1 week ahead of this time last year, when 84 percent of the crop was planted, and nearly 2 weeks ahead of the 5-year average of 77 percent. Planting was nearly complete in most of the Corn Belt, and rapidly progressed in Pennsylvania before being halted by late-week rains. Planting also remained active in parts of the Great Plains and Great Lakes region. Rain and muddy fields limited Michigan growers to about 2 days of suitable conditions for fieldwork, but planting advanced 14 percentage points when dry conditions permitted. In Colorado and North and South Dakota, soil moisture conditions were nearly ideal for planting. Eighty-four percent of the crop was emerged, compared with just 51 percent last year. Topsoil moisture was sufficient to germinate seeds in most areas of the Corn Belt. However, moisture shortages hindered development in parts of the southern and western Corn Belt, while many fields in the northern Corn Belt suffered from excess moisture and cold weather.

**Soybeans:** Seventy-four percent of the acreage was planted and 45 percent was emerged. Planting was about 11 days ahead of last year's 39-percent pace and more than 2 weeks ahead of the 37-percent average for this date. Planting was active in the Corn Belt and northern Great Plains, until rain halted progress across most of the northern Corn Belt near midweek. Planting resumed in the western Corn Belt near the end of the week, but Michigan growers progressed little due to excessive wetness that limited planting to about 2 days during the week. Rain delays were not as long in Iowa and Minnesota, where planting progressed 12 percentage points. Progress was 50 percentage points or more ahead of the 5-year average in Illinois, Iowa, Missouri, and North Dakota, but just slightly ahead of normal in the lower Mississippi Valley and Atlantic Coastal Plains. Emergence was far ahead of last year's 14-percent pace. Planted fields quickly sprouted and emerged in the Corn Belt and Great Plains due to adequate moisture in most areas, although cool weather hindered growth.

**Small grains:** Spring wheat and barley were 95 and 96 percent planted, respectively, more than 2 weeks ahead of the 70-percent

normal for spring wheat and the 73-percent average for barley. Seeding of both crops remained active in North Dakota and Montana. However, some growers in Montana delayed planting due to excessively dry soils. Emergence was at 82 and 79 percent for spring wheat and barley, respectively. Normally, 46 percent of the spring wheat and 48 percent of the barley are emerged by this date. Mostly adequate moisture supplies aided emergence in Minnesota and North Dakota. Barley and spring wheat also rapidly emerged in Montana, but some stands were uneven due to moisture shortages. Crop conditions also suffered from brief, but widespread periods of near freezing temperatures. Oat seeding progressed to 97 percent complete, compared with this date last year and the 5-year average of 80 percent. In North Dakota, growers planted 15 percent of their oat acreage during the week. Meanwhile, adequate moisture stimulated germination in the northern Great Plains, with nearly one-fourth of the acreage emerging in North Dakota during the week. Fields also rapidly emerged in Minnesota, Pennsylvania, and South Dakota. Conditions deteriorated in Pennsylvania due to cold, wet weather.

**Cotton:** Planting was 72 percent complete, 6 percentage points ahead of the same date last year and 4 percentage points ahead of the 5-year average. Planting rapidly progressed in interior areas of the Mississippi Delta, especially in Tennessee and Arkansas, where planting advanced 36 and 24 percentage points, respectively. Producers in the southern Great Plains and the Southeast also made good progress. Planting was 63 percent complete in Oklahoma, more than double the normal progress, while planting lagged behind normal in Georgia due to topsoil moisture shortages.

**Rice:** Ninety-two percent of the acreage was planted, slightly behind last year's pace, but 4 percentage points ahead of the normal progress for this date. Planting rapidly advanced in Mississippi, but progress remained behind normal. In California, planting progressed well ahead of the 5-year average. Seventy-five percent of the crop was emerged, slightly ahead of last year and 5 percentage points ahead of the 5-year average. Planted fields rapidly emerged in Arkansas and Mississippi, in spite of below-normal temperatures. Conditions declined in Louisiana due to insufficient irrigation water.

**Other crops:** Forty-seven percent of the sorghum acreage was planted, more than 1 week ahead of last year's 30-percent pace and 10 percentage points ahead of the 5-year average. Planting accelerated in the central and northern Great Plains and rapidly progressed in the southern Corn Belt. Sixty-eight percent of the peanut acreage was planted, equal to last year's pace, and slightly ahead of the 5-year average. Planting was active in all peanut-producing States. Progress was well ahead of normal in the southern Great Plains but mostly behind the 5-year average in the Southeast. Twenty-one percent of the sunflower acreage was planted, compared with 4 percent last year.

# Crop Progress and Condition

Week Ending May 21, 2000

Barley Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
ID	100	98	85	87
MN	99	97	52	54
MT	96	88	81	84
ND	91	73	34	48
WA	100	97	100	96
5 Sts	96	86	67	73
These 5 States planted 78% of last year's barley acreage.				

Barley Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
ID	93	83	58	65
MN	97	71	40	37
MT	77	59	46	52
ND	66	44	21	24
WA	96	89	95	84
5 Sts	79	62	46	48
These 5 States planted 78% of last year's barley acreage.				

Sunflowers Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
CO	0	0	0	NA
KS	12	4	6	NA
ND	30	7	4	10
SD	12	8	5	9
4 Sts	21	6	4	NA
These 4 States planted 57% of last year's sunflower acreage.				

Cotton Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AL	87	79	83	87
AZ	96	92	91	96
AR	83	59	86	85
CA	99	99	98	96
GA	68	54	68	78
LA	94	76	96	96
MS	93	80	89	91
MO	96	90	94	78
NC	83	65	83	83
OK	63	40	37	30
SC	72	60	70	80
TN	82	46	86	83
TX	54	35	42	44
VA	94	81	96	95
14 Sts	72	55	66	68
These 14 States planted 99% of last year's cotton acreage.				

Oats Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	98
MN	98	96	82	87
NE	100	100	100	100
ND	90	75	41	51
OH	100	100	100	92
PA	97	93	97	90
SD	98	95	89	82
WI	100	100	99	90
8 Sts	97	92	80	80
These 8 States planted 52% of last year's oat acreage.				

Oats Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
IA	100	99	98	92
MN	94	79	66	68
NE	100	98	96	NA
ND	68	45	26	25
OH	98	94	97	84
PA	87	70	84	NA
SD	92	81	68	57
WI	98	93	93	NA
8 Sts	88	76	68	NA
These 8 States planted 52% of last year's oat acreage.				

Soybeans Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	35	23	32	31
IL	84	67	40	33
IN	76	57	71	41
IA	96	84	30	44
KS	68	46	17	29
KY	40	17	37	18
LA	69	59	58	60
MI	32	26	55	32
MN	88	76	37	49
MS	77	60	72	69
MO	72	55	16	22
NE	82	59	25	35
NC	27	14	21	25
ND	70	35	14	19
OH	79	54	87	43
SD	63	36	17	24
TN	20	10	22	16
WI	65	50	42	36
18 Sts	74	57	39	37
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	19	11	14	17
IL	56	28	11	NA
IN	50	22	35	NA
IA	64	35	5	11
KS	47	22	8	NA
KY	21	4	19	5
LA	59	44	38	45
MI	20	9	18	8
MN	49	25	6	13
MS	58	46	53	51
MO	46	27	6	NA
NE	44	16	2	7
NC	12	5	14	NA
ND	18	5	0	3
OH	39	12	43	14
SD	23	9	3	NA
TN	8	2	7	NA
WI	30	20	9	NA
18 Sts	45	23	14	NA
These 18 States planted 95% of last year's soybean acreage.				

# Crop Progress and Condition

Week Ending May 21, 2000

Corn Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
CO	91	72	77	86
IL	99	98	84	72
IN	95	86	96	65
IA	100	99	87	86
KS	97	92	81	85
KY	93	87	94	76
MI	75	61	81	64
MN	99	96	90	84
MO	100	98	61	71
NE	98	94	84	84
NC	96	93	92	95
ND	85	72	45	50
OH	95	87	97	66
PA	78	54	78	60
SD	93	82	48	55
TN	95	90	97	95
TX	97	95	94	96
WI	89	87	82	72
18 Sts	96	91	84	77
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
CO	51	31	26	44
IL	93	82	54	NA
IN	78	52	66	NA
IA	96	84	49	43
KS	86	71	43	NA
KY	84	68	82	67
MI	56	35	45	25
MN	94	78	57	43
MO	95	83	50	NA
NE	85	58	38	43
NC	90	80	82	NA
ND	69	47	10	15
OH	72	47	69	33
PA	50	22	42	NA
SD	66	38	16	NA
TN	86	77	91	NA
TX	93	82	81	NA
WI	69	55	47	NA
18 Sts	84	67	51	NA
These 18 States planted 92% of last year's corn acreage.				

Sorghum Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	88	84	85	85
CO	16	11	22	17
IL	41	17	9	12
KS	39	22	13	18
LA	83	80	88	88
MO	80	57	21	29
NE	56	22	10	24
NM	6	1	7	14
OK	21	14	6	16
SD	22	9	5	11
TX	55	51	54	65
11 Sts	47	34	30	37
These 11 States planted 98% of last year's sorghum acreage.				

Spring Wheat Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
ID	100	98	93	93
MN	99	98	70	61
MT	95	84	81	84
ND	92	81	46	53
SD	100	99	93	85
WA	100	98	100	97
6 Sts	95	88	69	70
These 6 States planted 98% of last year's spring wheat acreage.				

Spring Wheat Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
ID	96	89	73	77
MN	95	70	56	43
MT	74	48	45	54
ND	76	58	32	30
SD	97	89	79	63
WA	96	89	94	85
6 Sts	82	63	49	46
These 6 States planted 98% of last year's spring wheat acreage.				

Rice Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	91	83	91	91
CA	85	75	87	61
LA	100	99	98	97
MS	88	75	97	97
TX	99	98	98	94
5 Sts	92	85	93	88
These 5 States planted 95% of last year's rice acreage.				

Rice Percent Emerged				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	77	63	70	72
CA	40	25	49	27
LA	93	91	94	90
MS	71	56	80	86
TX	96	95	90	82
5 Sts	75	64	74	70
These 5 States planted 95% of last year's rice acreage.				

Peanuts Percent Planted				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AL	76	51	80	86
FL	61	39	67	76
GA	66	42	73	83
NC	75	50	74	64
OK	69	42	55	44
TX	63	50	48	33
VA	80	58	90	83
7 Sts	68	46	68	67
These 7 States planted 98% of last year's peanut acreage.				

# Crop Progress and Condition

Week Ending May 21, 2000

Winter Wheat Percent Headed				
	May 21 2000	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	62	35	39	24
ID	5	0	1	2
IL	96	86	85	67
IN	88	57	71	54
KS	98	86	88	77
MI	20	1	5	6
MO	94	86	74	68
MT	0	0	0	1
NE	68	23	22	11
NC	100	98	99	98
OH	78	15	57	28
OK	100	99	98	99
OR	13	12	5	15
SD	5	0	1	2
TX	95	92	94	90
WA	20	7	4	13
18 Sts	79	68	69	64

These 18 States planted 90% of last year's winter wheat acreage.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	9	33	41	15
CA	0	0	20	50	30
CO	5	7	25	48	15
ID	0	1	6	77	16
IL	2	7	21	52	18
IN	0	3	18	54	25
KS	5	13	37	39	6
MI	0	1	10	60	29
MO	2	5	30	53	10
MT	6	13	47	30	4
NE	6	13	36	43	2
NC	1	6	30	52	11
OH	0	1	11	54	34
OK	2	8	30	48	12
OR	0	0	23	51	26
SD	0	3	15	55	27
TX	23	35	30	11	1
WA	0	4	19	62	15
18 Sts	6	13	29	41	11
Prev Wk	5	11	27	45	12
Prev Yr	2	5	22	58	13

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	2	2	16	78	2
IL	1	2	17	65	15
IN	0	2	21	60	17
IA	1	6	31	49	13
KS	0	3	21	68	8
KY	0	3	17	61	19
MI	4	6	28	57	5
MN	2	4	30	54	10
MO	3	10	43	40	4
NE	1	3	35	53	8
NC	3	8	40	43	6
ND	0	0	11	76	13
OH	0	1	15	63	21
PA	1	4	19	68	8
SD	0	2	12	70	16
TN	1	5	20	56	18
TX	1	3	24	58	14
WI	1	3	22	55	19
18 Sts	1	4	25	57	13
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	2	5	30	51	12
MN	0	2	28	56	14
NE	3	13	37	41	6
ND	0	0	17	73	10
OH	0	2	19	69	10
PA	2	7	28	56	7
SD	0	1	9	70	20
WI	0	1	18	57	24
8 Sts	1	2	21	62	14
Prev Wk	0	2	22	63	13
Prev Yr	1	2	19	62	16

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	2	9	78	11
MN	1	3	21	56	19
MT	3	13	43	36	5
ND	0	2	12	73	13
WA	0	1	44	55	0
5 Sts	1	5	26	59	9
Prev Wk	1	3	24	64	8
Prev Yr	1	7	31	52	9

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	12	77	10
MN	3	6	20	53	18
MT	1	9	44	44	2
ND	0	3	14	69	14
SD	0	1	10	65	24
WA	0	1	58	40	1
6 Sts	1	5	24	58	12
Prev Wk	1	2	24	61	12
Prev Yr	1	5	26	58	10

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	4	27	58	10
CA	0	0	50	35	15
LA	0	13	35	44	8
MS	0	3	25	63	9
TX	0	2	19	68	11
5 Sts	0	5	31	54	10
Prev Wk	0	3	27	59	11
Prev Yr	0	1	22	60	17

**VP - Very Poor**  
**P - Poor**  
**F - Fair**  
**G - Good**  
**EX - Excellent**  
  
**NA - Not Available**  
**\* - Revised**

## State Agricultural Summaries

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

**ALABAMA:** Days suitable for fieldwork 6.7. Topsoil 44% very short, 41% short, 15% adequate. Corn 98% planted, 98% 1999, 98% average. Corn 93% emerged, 89% 1999. Corn 14% very poor, 19% poor, 40% fair, 26% good, 1% excellent. Wheat 100% headed, 97% 1999, 96% average. Wheat 4% very poor, 6% poor, 28% fair, 60% good, 2% excellent. Hay 1st cutting 49%, 45% 1999, 48% average. Pasture 17% very poor, 20% poor, 32% fair, 28% good, 3% excellent. Livestock 1% very poor, 5% poor, 34% fair, 53% good, 7% excellent. Received much needed rainfall by the end of the week. More rain still needed. Starting to harvest some wheat. Some farmers are cutting, feeding hay. More moisture needed to finish planting peanuts, soybeans.

**ALASKA:** Days suitable for fieldwork 6.3. Topsoil 25% short, 75% adequate. Subsoil moisture 30% short, 70% adequate. Farm work progress slowed to 3 days behind schedule. Cool temperatures, scattered showers occurred over the State, while producers continued to fertilize fields, plant potatoes, vegetables, small grains, finish harvesting year' shay crop. Daytime high temperatures were mostly in the fifties. Lows were mostly in the thirties, with most stations reporting at least one night of frost. Barley 35% planted, 61% 1999, 78% ave. Oats, 20% planted, 54% 1999, 75% ave. Potatoes, 35% planted, 31% 1999, 29% ave. Livestock 10% fair, 80% good, 10% excellent.

**ARIZONA:** Temperatures have returned to normal after being above average for the past six week. Light precipitation was reported at two stations. While the lack of precipitation has little impact on crops due to irrigation, above average temperatures have helped small grains mature.

**ARKANSAS:** Days suitable for fieldwork 5.0. Soil moisture 1% very short, 13% short, 67% adequate, 19% surplus. Rice 91% planted, 91% 1999, 91% 5 yr. avg.; 77% emerged, 70% 1999, 72% 5 yr avg.; 1% very poor, 4% poor, 27% fair, 58% good, 10% excellent. Sorghum 88% planted, 85% 1999, 85% 5 yr. avg.; 81% emerged, 72% 1999, 70% 5 yr avg.; 1% poor, 27% fair, 64% good, 8% excellent. Cotton 83% planted, 86% 1999, 85% 5 yr avg.; 62% emerged, 55% 1999, 53% 5 yr avg.; 1% very poor, 4% poor, 32% fair 53% good, 10% excellent. Soybean 35% planted, 32% 1999, 31% 5 yr avg.; 19% emerged, 14% 1999, 17% 5 yr avg.; Corn 100% planted, 98% 1999, 99% 5 yr avg.; 99% emerged, 88% 1999, 92% 5 year avg.; corn 1% poor, 18% fair, 68% good, 13% excellent. Wheat 100% headed, 100% 1999, 100% 5 yr. avg.; 2% very poor, 9% poor, 33% fair, 41% good, 15% excellent. Alfalfa Hay 1% very poor, 4% poor, 28% fair, 57% good, 10% excellent; Other Hay 1% very poor, 4% poor, 32% fair, 50% good, 13% excellent. Pasture, Range feeds 1% very poor, 3% poor, 28% fair, 55% good, 13% excellent. Livestock good condition. Armyworms were reported leaving wheat fields, feeding on adjacent rice fields. Cotton, corn, sorghum being cultivated. Chinch bugs were treated in some sorghum fields. Other activities included: Land preparation for spring planting of forage, harvesting hay, spraying pastures for weed control; vaccinating cattle. Corn emerged progress is a 2-year average instead of a 5-year average.

**CALIFORNIA:** The growth of cotton, grain, silage corn slowed significantly with cooler temperatures. Wind damage in a few young cotton fields may necessitate replanting. Insecticides, miticides were applied in some cotton fields. Most oat hay had been baled, stacked, but rainfall may cause problems in uncut fields. Wheat, barley were maturing slowly due to the cool weather. Most fields have had final irrigations. Silage wheat was being cut, the harvested fields were made ready for planting of second crops of grain or silage corn. Alfalfa continued to be cut. Some windowed alfalfa was damaged by rain. Early rice plantings continued to emerge. Many rice fields were treated for weeds, weevils. Safflower, sunflower planting was completed in most areas. Sugarbeets, sudan grass were being harvested. Harvest of cherries continued. The rains caused some splitting of the cherries harvested in San Joaquin County. Weed control, fungicide applications, irrigation activities continued in vineyards, orchards. Growers applied sulfur to grape vineyards for mildew control. Harvest of grapes intended for fresh use was active in the Coachella Valley. Perlette, Flame Seedless were the primary varieties picked. Harvest of apricots, freestone peaches, plums, nectarines was active. Later variety fruit was thinned. Picking of grapefruit, lemon crops was active in southern state. The harvest of Valencia oranges progressed in the desert areas, in the San Joaquin Valley. Picking of navel oranges was winding down, growers remained concerned about deteriorating quality. Minneola tangelos were still being picked. Strawberry picking continued, but quality was hurt by recent rains. Vegetable field work continued in the Sacramento Valley. Early rainfall had slowed down growth of melons, delayed harvesting of some vegetables. Shipment volume of various vegetables dropped slightly as a result of the earlier cool weather. Weeding, worm treatment continued in some tomato fields. Some tomato growers sprayed with fungicides. Outdoor planting of melons, watermelons, tomatoes, beans, assorted peppers, squash, eggplant, beans, okra, sweet corn was in full swing. Harvest of all types of lettuce, melons was very active. Other vegetables harvested this week included: Broccoli; carrots; green onions; peas; radicchio; radishes; zucchini, yellow, summer, sunburst squash; sweet corn; turnips. Cattle continue to be shipped off foothill pastures as the

winter grazing season winds down. Grass is drying rapidly. Rainfall early in the period helped higher elevation pastures, but foothill pastures were not benefitted. Cattle were in good condition. Weight gains were good in northern state, marginal in many central areas. Cattle were moving onto summer pastures.

**COLORADO:** Days suitable for fieldwork 5.7. Topsoil 3% very short, 22% short, 70% adequate, 5% surplus. Subsoil moisture 6% very short, 24% short, 69% adequate, 1% surplus. Turbulent weather at mid-week brought rain, hail, high winds to eastern areas. Spring barley 99% seeded, 99% 1999, 98% avg.; 92% emerged, 89% 1999, 87% avg.; 3% poor, 16% fair, 58% good, 23% excellent. Dry onions 2% poor, 10% fair, 68% good, 20% excellent. Sugarbeets 75% up to stand, 69% 1999, 14% avg.; 1% very poor, 3% poor, 16% fair, 58% good, 22% excellent. Summer potatoes 100% planted, 89% 1999, 94% avg; 69% emerged, 37% 1999, 36% avg.; 1% very poor, 2% poor, 12% fair, 59% good, 26% excellent. Fall potatoes 92% planted, 84% 1999, 76% avg.; 2% emerged, 0% 1999, 2% avg. Dry beans 8% planted, 3% 1999, 8% avg.; 2% emerged, 0% 1999, 0% avg. Spring wheat 95% planted, 94% 1999, 92% avg.; 81% emerged, 77% 1999, 73% avg.; 2% poor, 22% fair, 60% good, 16% excellent. Alfalfa 4% 1<sup>st</sup> cutting, 2% 1999, 2% avg.

**DELAWARE:** Days suitable for fieldwork 5.4. Topsoil 11% short, 86% adequate, 3% surplus. Subsoil moisture 8% short, 89% adequate, 3% surplus. Percent of acreage prepared for planting of spring crops 83%. Winter wheat 1% poor, 21% fair, 67% good, 11% excellent; 87% headed, 73% 1999, 69% avg. Barley 3% poor, 23% fair, 63% good, 11% excellent; 93% headed, 94% 1999, 98% avg. Snap Beans 47% planted, 56% 1999, 28% avg. Sweet corn 53% planted, 59% 1999, 54% avg. Field Corn 87% planted, 83% 1999, 73% avg. Cucumbers 19% planted, 20% 1999, 18% avg. Tomatoes 68% planted, 64% 1999, 41% avg. Watermelons 58% planted, 57% 1999, 39% avg. Cantaloupes 51% planted, 51% 1999, 36% avg. Soybeans 13% planted, 16% 1999, 9% avg. Sorghum 10% planted, 19% 1999, 6% avg. Strawberries 14% harvested, 14% 1999, 8% avg. Pasture feed 32% fair, 61% good, 7% excellent. Hay 32% short, 68% adequate. Percent of 1<sup>st</sup> cutting hay crop harvest; clover, other hays 45% cut, 67% 1999, 30% avg; alfalfa 52% cut, 49% 1999, 26% avg. Activities: Planting continued throughout the state, with rain showers toward the latter part of the week.

**FLORIDA:** Warm weather continued. Temperatures at major stations averaged normal to 3° above. Daytime highs mostly 80s, 90s. Nighttime lows mostly 60s, 70s with several northern, central localities recording at least one low in 50s. Scattered showers brought traces to 1.00 in. to some areas with many stations recording no measurable rain for week. Moisture in State mostly very short to short. Farmers delaying planting cotton, peanuts because of dry soil. Irrigated tobacco in good condition. Corn starting to show drought stress even when irrigated. Sugarcane being irrigated, in good condition. Some wild fires on Peninsula due to lack of rainfall. Small grain harvest very active. Peanuts 61% planted. Watermelon harvesting getting underway, northern areas. Producers continue harvesting other vegetables to meet holiday demand. Major vegetables available: Potatoes, tomatoes, peppers, blueberries, cucumbers, okra, squash, sweet corn, eggplant, watermelons. Dry all citrus areas, rain needed. Irrigation continues however, some wells running dry. Canals, water reservoirs out of water. Some trees wilting, losing foliage. Valencia harvest continues active for processing. Grapefruit movement slowing as supplies are low. Caretakers are cutting cover crops, herbiciding, hedging, topping, spraying, fertilizing. Pasture feed 30% very poor, 55% poor, 15% fair. Cattle 5% very poor, 15% poor, 75% fair, 5% good. Statewide, pasture feed decreased as drought continues. Isolated locations getting rain, showers. North, Central: cattle condition decreased due to lack of grass, water holes drying up, pasture feed really going down. Grass very dry, brittle. Brush fires active. Panhandle, North, Central: cattlemen feeding hay. Southwest: cattle in fair to good condition. Pasture, range in fair condition.

**GEORGIA:** Days suitable for field work 6.5. Soil moisture 55% very short, 37% short, 8% adequate. Corn 8% silked, 8% 1999, 4% avg. Cotton 7% very poor, 21% poor, 45% fair, 25% good, 2% excellent; 1% squaring, 1% 1999, 1% avg. Hay 16% very poor, 29% poor, 36% fair, 18% good, 1% excellent. Peanuts 3% blooming, 3% 1999, 3% avg. Sorghum 10% very poor, 21% poor, 50% fair, 18% good, 1% excellent; 52% planted, 60% 1999, 55% avg. Soybeans 12% very poor, 30% poor, 51% fair, 7% good. Tobacco 7% very poor, 15% poor, 38% fair, 36% good, 4% excellent. Wheat 16% harvested for grain, 13% 1999, 9% avg. Onions 6% very poor, 12% poor, 25% fair, 51% good, 6% excellent; 79% harvested, 72% 1999, 81% avg. Watermelons 2% very poor, 14% poor, 43% fair, 35% good, 6% excellent; 98% planted, 98% 1999, 97% avg. Apples 9% poor, 38% fair, 44% good, 9% excellent. Peaches 2% very poor, 2% poor, 25% fair, 50% good, 21% excellent; 6% harvested, 7% 1999, 11% avg. Some areas received rain during the weekend, but conditions remained dry for much of the State. Planting ceased in many counties due to dry soils. Farmers continued to irrigate. The availability of water has become a statewide concern for agricultural, for non-agricultural entities. Corn showed stress from the hot, dry weather. Nematode damage showed up in some corn fields last week. Tobacco Mosaic, Spotted Wilt Virus began to increase

in tobacco. Farmers planted peanuts despite dry soils. Pastures suffered from dry conditions. Cattlemen continued to feed hay. Shortage of feed, grazing caused some producers to sell off some cattle. Poultry growers were cooling houses. Other activities included: Shipping early peaches as well as harvesting onions.

**HAWAII:** Weather conditions remained fair to good for agriculture. Days were mostly sunny, dry with light trade winds. Irrigated crops made favorable progress. Non-irrigated crops made mostly fair progress. Some areas dependent on natural rainfall were in poor condition. Banana, papaya harvesting will be steady. Head cabbage harvesting will be steady, of good quality. Warming temperatures were posing a few growth problems. Dry onion harvesting remains relatively heavy with good size, quality. Sweet corn, watermelon harvesting expected to increase in the coming weeks.

**IDAHO:** Days suitable for field work 6.2. Topsoil 5% very short, 14% short, 72% adequate, 9% surplus. Warm temperatures accelerated crop emergence for all crops across much of the state. All crops except oats, lentils are ahead of 1999, the five year average. Hail damage to some corn, sugarbeets, cereal grains was reported in Jerome County last week. Black grass bugs continue to be a problem for some producers in Franklin County. Hay, roughage 10% very short, 11% short, 77% adequate, 2% surplus. Irrigation 29% excellent, 47% good, 20% fair, 2% poor, 2% very poor. Dry peas 93% planted, 93% 1999, 74% avg.; 89% emerged, 51% 1999, 43% avg. Oats 80% planted, 75% 1999, 78% avg.; 50% emerged, 47% 1999, 57% avg. Lentils 75% planted, 93% 1999, 70% avg.; 36% emerged, 42% 1999, 35% avg. Corn 92% planted, 81% 1999, 78% avg.; 53% emerged, 23% 1999, 38% avg. Potatoes 92% planted, 77% 1999, 77% avg.; 20% emerged, 7% 1999, 10% avg. Sugarbeets 97% emerged, 67% 1999, 83% avg. Alfalfa hay 1<sup>st</sup> cutting harvested 14%, 5% 1999, 3% avg. Winter wheat 87% jointed; 27% booting. Spring wheat 32% jointed; 3% booting. Spring barley 33% jointed; 2% booting. Activities: Seeding row crops, moving cattle, sheep to spring pasture, fertilizing, irrigating, applying insecticides, herbicides.

**ILLINOIS:** Days suitable for fieldwork 4.3. Topsoil 6% very short, 24% short, 58% adequate, 12% surplus. Wheat 45% filled, 31% 1999, 18% avg.; 2% turning yellow, 1% 1999, 0% avg. Oats 15% headed, 12% 1999, 10% avg.; 2% filled, 3% 1999, 1% avg.; 3% poor, 16% fair, 68% good, 13% excellent. Alfalfa 1st cut 35%, 18% 1999, 11% avg. Alfalfa 3rd cut, 24% fair, 57% good, 16% excellent. Red clover 30% cut, 10% 1999, 8% avg.; 3% poor, 26% fair, 54% good, 17% excellent. Despite the scattered rains, soybean planting is at its second highest level for this date, only behind 1988 when 86% had been planted. The wet weather is welcome in improving topsoil moisture, however, a good soaking is still needed in some areas. Topsoil moisture was generally adequate in the north, central, east, south, but short in the west, west southwest. There were reports this week of various insects affecting the crops, such as the leaf, cucumber beetles in soybeans. The alfalfa weevil, wheat streak mosaic virus continue to cause problems as well. Across the state, some farmers are replanting corn because of cut worm, wire worm, grub damage to the crop. Other activities for last week included: Side dressing corn, applying post emergence chemicals to the crops.

**INDIANA:** Days suitable for fieldwork 3.8. Topsoil 1% very short, 6% short, 74% adequate, 19% surplus. Subsoil 9% very short, 37% short, 50% adequate, 4% surplus. Field activities hindered by continued rainfall. Scattered areas received hail along with strong damaging winds. Precipitation of .2 to 1.5 inches in certain areas. Temperatures averaged 1 to 2 below normal. Corn, soybean planting made good progress. Soybean planting on par with the record established in 1987. Many corn, soybean fields emerged during the week. Application of fertilizer, nitrogen, chemicals continued. Range, pasture 2% very poor, 8% poor, 23% fair, 53% good, 14% excellent. Alfalfa weevil remains active in some fields. Transplanting of tobacco is 13% complete. Livestock remain in mostly good condition. First cutting of hay crops is underway. Major activities: Tillage of soils, preparing irrigation equipment, ditching, hauling manure, feeding, caring for livestock.

**IOWA:** Days suitable for fieldwork 4.7. Topsoil 20% very short, 33% short, 44% adequate, 3% surplus. Subsoil moisture 39% very short, 42% short, 18% adequate, 1% surplus. Scattered showers across the state very spotty. Some areas doing excellent, others still exhibit drought-like conditions. Corn 96% emerged, 49% 1999, 43% avg.; 1% very poor, 6% poor, 31% fair, 49% good, 13% excellent. Soybeans 96% planted, 30% 1999, 44% avg. 64% emerged, 5% 1999, 10% avg. Some frost damage to corn, beans in northern counties. Oat 2% very poor, 5% poor, 30% fair, 51% good, 12% excellent. Winter wheat 61% headed, 2% very poor, 5% poor, 29% fair, 50% good, 14% excellent. Range, Pasture feed 11% very poor, 24% poor, 35% fair, 27% good, 3% excellent. Some cattle sold due to dry pastures.

**KANSAS:** Days suitable for fieldwork 6.3. Topsoil 7% very short, 39% short, 53% adequate, 1% surplus. Subsoil moisture 6% very short, 32% short, 62% adequate. State wheat condition continues to decline due to unfavorable weather conditions. Wheat 5% very poor, 13% poor, 37% fair, 39% good, 6% excellent. Wheat headed 98%, 88% 1999, 77% avg.; 8% turning, 2% 1999, 2% avg. Corn 97% planted, 92% 1999, 85% avg.; 86% emerged, 43% 1999. Sorghum 39% planted, 22% 1999, 18% avg.; 18% emerged. Soybeans 68% planted, 17% 1999, 29% avg.; 47% emerged, 8% 1999. 1st cutting alfalfa 66%, 38% 1999, 28% avg. Range, Pasture 1% very poor, 8% poor, 32% fair, 51% good, 8% excellent.

**KENTUCKY:** Days suitable for fieldwork 5.0. Topsoil 10% very short, 27% short, 59% adequate, 4% surplus. Subsoil moisture 7% very short, 27% short, 64% adequate, 2% surplus. Spring like temperatures occurred last week while rainfall continued below normal. Much needed rain occurred over most of the state but more is needed. Farmers are concerned with the advent of army worms in corn fields, especially no-till corn. Some fields are being replanted due to army worm damage, poor germination. Burley at 45% set, dark tobacco at 46% set were both ahead of 1999, average. Some flea beetles, cut worms have been reported but no diseases to date. Condition of set tobacco 1% very poor, 2% poor, 24% fair, 61% good, 12% excellent. Winter wheat continues to be promising but lodging has occurred to various degrees. Earliest wheat harvest June 14. Conditions of winter wheat 2% very poor, 5% poor, 15% fair, 52% good, 26% excellent. Pasture feeds 2% very poor, 8% poor, 29% fair, 51% good, 10% excellent. Concerned about lack of moisture for newly seeded pastures. Good 1st cutting of alfalfa. Hay conditions 2% very poor, 7% poor, 28% fair, 51% good, 12% excellent. Grain sorghum 45% planted.

**LOUISIANA:** Days suitable for fieldwork 6.4. Soil moisture 21% very short, 20% short, 51% adequate, 8% surplus. Corn 3% very poor, 7% poor, 21% fair, 58% good, 11% excellent; 17% silked, 7% 1999, 5% avg. Cotton 1% poor, 20% fair, 66% good, 13% excellent; 83% emerged, 83% 1999, 83% avg. Cotton planting made excellent progress. Hay 44% first cutting, 58% 1999, 45% avg. Soybean planting continued. Sorghum 7% poor, 34% fair, 54% good, 5% excellent; 75% emerged, 76% 1999, 79% avg. Spring plowing 98% plowing, 100% 1999, 98% avg. Sugar cane 1% very poor, 6% poor, 34% fair, 40% good, 19% excellent. Sweetpotatoes 26% planted, 26% 1999, 17% avg. Wheat 2% very poor, 5% poor, 26% fair, 49% good, 18% excellent; 100% turning color, 99% 1999, 94% avg.; 55% harvested, 42% 1999, 25% avg. Wheat harvest was in full swing. Livestock 3% very poor, 6% poor, 29% fair, 50% good, 12% excellent. Vegetables 6% very poor, 11% poor, 35% fair, 42% good, 6% excellent.

**MARYLAND:** Days suitable for fieldwork 5.5. Topsoil 1% very short, 23% short, 66% adequate, 10% surplus. Subsoil moisture 3% very short, 10% short, 80% adequate, 7% surplus. Percent of acreage prepared for planting of spring crops 88%. Winter wheat 2% poor, 13% fair, 72% good, 13% excellent; 89% headed, 79% 1999, 83% avg. Barley 4% very poor, 2% poor, 9% fair, 76% good, 9% excellent; 94% headed, 100% 1999, 98% avg. Rye 1% poor, 7% fair, 78% good, 14% excellent. Tomatoes 61% planted, 78% 1999, 74% avg. Sweet corn 75% planted, 77% 1999, 65% avg. Field Corn 80% planted, 84% 1999, 76% avg. Cucumbers 51% planted, 44% 1999, 48% avg. Snap beans 30% planted, 33% 1999, 54% avg. Cantaloupes 69% planted, 79% 1999, 70% avg. Soybeans 20% planted, 14% 1999, 12% avg. Sorghum 12% planted, 16% 1999, 9% avg. Watermelons 49% planted, 73% 1999, 66% avg. Apples 94% bloomed, 100% 1999, 96% avg. Strawberries 44% harvested, 19% 1999, 20% avg. Pasture 1% very poor, 3% poor, 21% fair, 55% good, 20% excellent. Hay 1% very short, 10% short, 79% adequate, 10% surplus. Percent of 1<sup>st</sup> cutting hay crop harvest; clover, other hays 35% cut, 26% 1999, 21% avg; alfalfa 53% cut, 40% 1999, 21% avg. Activities: Rain towards the end of the week helped to improve soil moisture conditions, in some areas chemicals are not working for corn.

**MICHIGAN:** Days suitable for fieldwork 2.0. Topsoil 0% very short, 2% short, 36% adequate, 62% surplus. Subsoil 5% very short, 17% short, 53% adequate, 25% surplus. Oats 0% very poor, 2% poor, 27% fair, 59% good, 12% excellent. All Hay 1st cutting 1%, 3% 1999, 4% avg. Asparagus harvested 64%, 44% 1999, 32% avg. Barley 95% planted, 98% 1999, 89% avg.; 85% emerged, 93% 1999, 48% avg. Oats 95% emerged, 93% 1999, 67% avg. Potatoes 81% planted, 73% 1999, 72% avg.; 53% emerged, 37% 1999, 29% avg. Wet, cool weather predominated for week. Temperatures below normal. Eastern Upper Peninsula averaged 3° below normal while Thumb 8° below normal. Growing Degree Days (GDD) remained above average, but gap decreased due to cooler than normal temperatures. All but northern most regions received considerable precipitation. Southern sections received highest amounts. Precipitation should help to alleviate drought conditions. Rains limited fieldwork except Upper Peninsula. Corn planting mostly on hold until fields dry. Emerged corn yellow due to cool, wet weather. Little soybean planting during week. Winter wheat good condition and has started to head out. Wet conditions have promoted powdery mildew on lower leaves. Alfalfa ready to harvest most areas when weather permits. Alfalfa weevil problems reported. Sugarbeets some losses from standing water. Oats, barley good condition Upper Peninsula. Asparagus harvest slowed by cool weather. Cabbage look very good with new growth. Potatoes continue to emerge. Carrot emergence good, sweet corn planting continued with slow emergence due to cooler weather. Early planted corn is now at six leaf stage. Tomato planting strong, second plantings have begun. Some seeded onions needed replanting. Pepper transplanting began southeast, summer squash planting continues southwest. Fruit crop maturity about two weeks ahead of normal similar to 1999. Apples 12 mm fruit southwest, 8 mm west central, northwest. Tart cherries 12 mm fruit southwest, shuck split northwest. Sweet cherries southwest 16 mm fruit, 10 mm fruit west central, and 8 mm fruit northwest. Apricots had 21 mm fruit, plums had 12 mm fruit, peaches, pear had 15 mm fruit. Blueberries reached early green fruit stage. Strawberries had thimble sized fruit. Fall raspberry canes reached 12 inches while summer raspberry canes first bloom. Concord grape vines had 10-16 inch shoots, white varieties had 4-8 inch shoots.

**MINNESOTA:** Days suitable for fieldwork 3.8. Topsoil 1% very short, 10% short, 77% adequate, 12% surplus. Spring Wheat 5% jointed, 0% 1999, 1% avg. Oats 7% jointed, 1% 1999, 2% avg. Barley 2% jointed, 1% 1999, 1% avg. Corn 1% cultivated, 0% 1999, 0% avg. Green peas 94% planted, 69% 1999, 76% avg.

Potatoes 81% planted, 55% 1999, 54% avg. Sweet corn 63% planted, 43% 1999, 47% avg. Dry beans 62% planted, 18% 1999, 25% avg. Canola 99% planted, 9% 1999, NA% avg. Alfalfa 3% 1<sup>st</sup> cutting, 6% 1999, 3% avg. Pasture feed 2% very poor, 5% poor, 32% fair, 54% good, 7% excellent. Many counties in the central portion of the state experienced frost including Traverse, Pope, Kandiyohi counties. The Southwestern District was hit by hail on Wednesday, May 17, causing damage to emerged crops. The short area in the southern quarter of the state received precipitation last week, with Rochester recording 5.5 inches. The area along the Iowa state line now has surplus topsoil moisture. The emerged corn in many areas is yellow from a lack of sunshine, warm weather.

**MISSISSIPPI:** Days suitable for fieldwork 6.0. Soil moisture, 12% very short, 34% short, 49% adequate, 5% surplus. Corn 2% silked, 5% 1999, 2% avg. Cotton 79% 64% 1999, 72% avg.; 5% poor, 24% fair, 60% good, 11% excellent. Sorghum 85% emerged, 82% 1999, 77% avg.; 4% poor, 17% fair, 73% good, 6% excellent. Soybean 4% poor, 21% fair, 64% good, 11% excellent. Sweetpotatoes 18% planted, 12% 1999, 11% avg. Wheat 33% mature, 31% 1999, 29% avg.; 2% harvested, NA 1999, NA avg.; 1% very poor, 7% poor, 29% fair, 50% good, 13% excellent. Watermelons 86% planted, 81% 1999, 84% avg.; 1% poor, 45% fair, 44% good, 10% excellent. Hay (Cool Season) 82% harvested, 69% 1999, 56% excellent.; (Warm Season) 8% harvested, 11% 1999, 6% avg.; 1% very poor, 8% poor, 20% fair, 59% good, 12% excellent. Blueberries 2% poor, 26% fair, 66% good, 6% excellent. Cattle, 4% poor, 21% fair, 62% good, 13% excellent. Pasture 1% very poor, 8% poor, 27% fair, 56% good, 8% excellent. A weekend rain in some parts of state provided much needed moisture. Insect problems are becoming a major concern. Blowing sand damaged crops in some areas of the state.

**MISSOURI:** Days suitable for fieldwork 6.2. Topsoil 37 % very short, 40 % short, 23 % adequate. Ninety-five % of the corn has emerged. Single-crop soybean planting was 19 days ahead of 1999, a month ahead of normal with 81 % planted. Bean planting progress was nearly 90 % in the northern third of the State, 80 % in the central third, 73 % in the Bootheel. Sorghum planting ranged from 55% complete in the central district to 91 % in the southeast district, 95 % in the northwest district. Winter wheat was virtually all headed in the southern third of the State, above 87 % in all other districts except the northwest where 67 % was reported. Statewide 28 % of the wheat had turned color ranging from less than 10 % in the north-central, west-central, east-central districts to 55 % in the Bootheel. First cutting of alfalfa hay was 48 % complete. Other hay was 18 % cut. Pasture feeds averaged 30 % very poor, 33 % poor, 28 % fair, 9 % good. The weekly precipitation averaged 0.17 inches ranging from 0.05 inch in the central district to 0.42 inch in the southeast district.

**MONTANA** Days suitable for fieldwork 6.4. Topsoil 16% very short, 44% short, 39% adequate, 1% surplus. Subsoil moisture 24% very short, 53% short, 23% adequate, 0% surplus. Oats 87% planted, 74% 1999, 72% avg.; 58% emerged, 36% 1999, 43% avg.; 3% very poor, 9% poor, 41% fair, 40% good, 7% excellent. Sugar beets 99% planted, 100% 1999, 98% avg.; 88% emerged, 95% 1999, 83% avg.; 0% very poor, 10% poor, 38% fair, 36% good, 16% excellent. Corn 77% planted, 37% 1999, 71% avg.; 42% emerged, 9% 1999, 31% avg. Dry beans 77% planted, 53% 1999, 50% avg.; 35% emerged, 4% 1999, 11% avg. Potatoes 43% planted, 24% 1999, 33% avg. Reports of Russian Wheat Aphid damage in winter wheat continue. Producers are spraying for aphids, weeds. Calving, lambing are making good progress as few problems have occurred, death losses are minimal. Calving 98% completed, 97% 1999, 98% avg. Lambing 89% completed, 85% 1999, 87% avg. Cattle, calves moved to summer ranges 61%, 59% 1999, 59% avg. Sheep, lambs moved to summer ranges 48%, 47% 1999, 50% avg. There are still concerns of a water shortage for livestock with reports of ponds, reservoirs either low or empty because of a lack of snowfall, runoff. Stream flow is less than normal.

**NEBRASKA:** Days suitable for fieldwork 5.8. Topsoil moisture supplies rated mostly short to adequate with subsoil moisture supplies mostly short to very short. Temperatures for the week averaged within 1 to 2<sup>nd</sup> of normals. Precipitation occurred across the State, ranged from traces to 3.57 inches at Niobrara. Corn 98% planted, 84% 1999, avg.; 85% emerged, 38% 1999, 43% avg.; 1% very poor, 3% poor, 35% fair, 53% good, 8% excellent. Soybeans 82% planted, 25% 1999, 35% avg.; 44% emerged, 2% 1999, 7% avg. Sorghum 56% planted, 10% 1999, 24% avg.; 21% emerged. Winter Wheat 6% very poor, 13% poor, 36% fair, 43% good, 2% excellent; 95% jointed, 94% 1999, 84% avg. Oats 3% very poor, 13% poor, 37% good, 41% good, 6% excellent. Alfalfa 1<sup>st</sup> cutting 16% harvested; 9% very poor, 17% poor, 38% fair, 34% good, 2% excellent. Pasture, range 12% very poor, 26% poor, 43% fair, 19% good. Other producer activities included: Spraying for insects, irrigating crops.

**NEVADA:** Rain fell statewide early in the week, with precipitation nearing one inch in the central part of the State. Temperatures rose dramatically with the passing of the storm, were approaching record highs in Reno at week's end. Effects of the previous week's freeze became more evident. Alfalfa hay harvest gathered momentum northwest, although growth was checked somewhat by earlier frost. Winter wheat was stunted in some northern areas. Green chopping of winter wheat continued north-central. Spring grain planting was virtually completed, the higher temperatures advanced emergence. Corn planting continued. Summer vegetable, melon planting got underway. Onion emergence advanced. Potato planting was nearly completed; some early fields may have been damaged by frost. Irrigation, weed control continued. Pasture, range conditions rated mostly fair to good. Calving, lambing generally complete, movement to mountain allotments

underway. Main farm, ranch activities: Alfalfa hay harvest, irrigation, potato planting, weed, insect monitoring, control, working livestock, gopher control.

**NEW ENGLAND:** Days suitable for fieldwork 4.4. Topsoil 1% short, 57% adequate, 42% surplus. Subsoil moisture 1% short, 68% adequate, 31% surplus. Pasture feed 1% very poor, 1% poor, 13% fair, 59% good, 26% excellent. Maine potatoes 35% planted, 80% 1999, 50% avg. Rhode Island potatoes 90% planted, 95% 1999, 75% avg.; 75% emerged, 40% 1999, 25% avg.; condition good. Massachusetts potatoes 75% planted, 85% 1999, 80% avg.; 30% emerged, 55% 1999, 30% avg.; condition good. Oats 35% planted, 90% 1999, 60% avg.; 10% emerged, 45% 1999, 25% avg.; condition good to fair. Barley 35% planted, 90% 1999, 65% avg.; 10% emerged, 50% 1999, 30% avg.; condition good to fair. Silage corn 20% planted, 65% 1999, 40% avg.; 10% emerged, 25% 1999, 10% avg.; condition good. Sweet corn 35% planted, 45% 1999, 40% avg.; 20% emerged, 25% 1999, 20% avg.; condition fair to good. Shade tobacco 25% planted, 35% 1999, 25% avg. First crop hay condition good to fair. Apples Full Bloom Stage to Petal Fall Stage, condition good to fair. Peaches Petal Fall Stage, condition fair to good. Pears: Full Bloom Stage to Petal Fall Stage, condition fair to good. Strawberries: Early Bloom Stage to Full Bloom Stage, condition good to fair. Cranberries: Bud Stage, condition good. Highbush blueberries: Early Bloom Stage to Full Bloom Stage, condition good. Wild Blueberries: Bud to Early Bloom Stage, condition good. Cool rainy conditions continued to slow fieldwork. Major farm activities: Planting field corn, chopping grass, chopping rye, pruning, spraying herbicides, fencing, spreading manure, plowing, planting vegetables, harvesting asparagus, rhubarb.

**NEW JERSEY:** Days suitable for field work 3.3. Topsoil 2 % short, 77 % adequate, 21 % surplus. Corn 60 % planted. Farmers continued preparing ground for planting soybeans. Asparagus, spinach, strawberries were harvested where conditions allowed. Some spring spinach bolted in response to recent warm weather conditions.

**NEW MEXICO:** Topsoil 55% very short, 30% short, 15% adequate, 0% surplus. Most southern areas were very hot early in the period with afternoon highs topping 100°. Readings cooled at mid-week but southern locations still averaged 2 to 3° above normal. Areas of the north, northeast were considerable cooler than southern areas of the state. Some overnight freezing temperatures were recorded in the far northeast, some western mountain locations. Overall the northern one-third of the state reported average temperatures 3 to 4° below normal. Precipitation was sparse, limited to northern mountain locations. Hot, dry winds persisted during the week making it difficult for starting crops. Very little dryland crops have been planted due to lack of moisture. Fruit crops in the northern areas have been damaged by late freezes. Planting, irrigating were the main farm activities during the week. Onion harvest started in the Mesilla Valley with the crop in mostly good to excellent condition. Chile is also in mostly good to excellent condition. The irrigated wheat crop remained in fair to good condition, while the dryland wheat moved more into the very poor range. Wheat 94% headed. Alfalfa was in mostly fair to good condition. The 2<sup>nd</sup> cutting commenced in southern areas. Planting of both corn, cotton is nearing completion, peanuts 60% planted. Ranchers were busy branding calves, culling cattle, hauling water, supplemental feeding to maintain the herds. Cattle, sheep conditions were basically unchanged from the previous week. Pasture, range feed 25% very poor, 29% poor, 36% fair, 10% good, 0% excellent.

**NEW YORK:** Days suitable 2.4. Soil moisture 12% adequate, 88% surplus. Pasture feed 6% fair, 55% good, 39% excellent. Oats 76% seeded, 97% 1999, 71% avg.; 55% fair, 45% good. Corn 36% planted, 77% 1999, 45% average. Wheat 16% fair, 84% good. Field work delayed by wetness. Planting will resume as fields dry. Persistent wetness delayed vegetable planting. Cool temperatures slowed emergence, development. Saturated fields prevented spraying of early planted peas. Apples in good condition. Crop at petal fall stage except in north where crop was in full bloom. Thinning activities made difficult by wetness.

**NORTH CAROLINA:** Days of field work 6.5. Soil moisture levels slipped even farther, are currently 25% very short, 47% short, 27% adequate, 1% surplus. Slightly cooler temperatures with continued dry conditions were the highlights of the state weather this week. Farmers have taken advantage of consecutive weeks of dry weather. This has enabled farmers to make significant strides in planting progress for corn, cotton, soybean, setting tobacco, all of which meet or exceed the five-year average. However, a majority of the State's fields are dry, are in need of precipitation. Statewide, Cotton, peanut plantings were the major activities conducted this week with significant progress made in both. Peanut plantings are about a week ahead of schedule. The dry, warm weather has been ideal for cutting hay, reports of good production have been received. Other activities included: Sweetpotato, sorghum planting. Severe weather rolled through the State over the weekend, should have brought beneficial rainfall. Next week's report will reflect this weather.

**NORTH DAKOTA:** Days suitable for field work 6. Topsoil 3% very short, 12% short, 83% adequate, 2% surplus. Subsoil moisture 3% very short, 16% short, 79% adequate, 2% surplus. Dry weather in the northern counties allowed for substantial planting progress to be made while rain showers, wind slowed fieldwork in the central, southern counties. Durum wheat 72% planted, 26% 1999, 39% avg.; 47% emerged, 14% 1999, 17% avg.; 1% jointing, beyond, 0% 1999, 0% avg. Canola 96% planted, 33% 1999, 76% emerged, 16% 1999. Dry edible beans 51% planted, 7% 1999, 14% avg.; 3% emerged, 0% 1999, 1% avg. Flaxseed 87% planted, 26% 1999, 29% avg.; 50% emerged, 11% 1999, 12% avg. Potatoes 91% planted, 40%

1999, 44% avg.; 20% emerged, 7% 1999, 6% avg. Soybeans 70% planted, 14% 1999, 19% avg.; 18% emerged, 0% 1999, 3% avg. Sunflowers 30% planted, 4% 1999, 10% avg.; 4% emerged, 0% 1999, 1% avg. Emerged crop Durum wheat 0% very poor, 4% poor, 15% fair, 71% good, 10% excellent. Canola 1% very poor, 5% poor, 19% fair, 62% good, 13% excellent. Broad leaf, wild oat 16% spraying, 23% complete respectively. 85% roughage requirements were furnished by pasture. Pasture, range 1% very poor, 7% poor, 31% fair, 55% good, 6% excellent. Stockwater 0% very short, 4% short, 93% adequate, 3% surplus.

**OHIO:** Days suitable for fieldwork, 5.1 days. Topsoil 1% very short, 14% short, 71% adequate, 14% surplus. Alfalfa hay 1st cutting 18%; 26% 1999; 10% average. Corn 95% planted, 97% 1999; 66% average. Corn 72% emerged.; 69% 1999; 30% average. Oats 98% emerged; 97% 1999; 84% average. Oats 8% headed, 12% 1999; 1% average. Other hay first cutting 10%; 16% 1999; 8% average. Potatoes 81%; planted, 91% 1999; 78% average. Processing tomatoes 40% planted; 59% 1999; 38% average. Soybeans 79% planted; 87% 1999; 43% average. Soybeans 39% emerged; 43% 1999; 14% average. Strawberries 3% harvested; 0% 1999; 0% average. Sugarbeets 83% planted. Tobacco 13% transplanted; 16% 1999. Winter wheat 78% headed; 55% 1999; 27% average. Winter wheat 5% turning. Pasture 1% very poor, 4% poor, 25% fair, 54% good, 16% excellent. Winter wheat 0% very poor, 1% poor, 11% fair, 54% good, 34% excellent. Hay 1% very poor, 6% poor, 21% fair, 56% good, 16% excellent. Oats 0% very poor; 2% poor; 19% fair; 69% good; 10% excellent. Corn 0% very poor, 1% poor, 15% fair, 63% good, 21% excellent. Activities throughout the state include: Seeding CRP ground; clipping seed heads in pastures; spraying herbicides; repairing equipment for hay making; planting grasses, legumes; spraying weeds; spraying orchards; mowing fence rows, waterways; maintaining fences; spreading manure; mowing hay for haylage; hauling grain; planting, seeding vegetables; discing, chiseling; moving grain. In the North Central district, strawberries, blueberries are in full bloom. In the Southeast, producers are staking tomatoes, planting melons, sweet corn, irrigating vegetable crops, harvesting strawberries. Reported insects Include: European corn borer, tent caterpillars, spittle bugs, ticks, black cutworms in corn, grubs, seed corn maggots, bean leaf beetles. Alfalfa weevil continues to present problems throughout the state. Livestock were reported in mostly good condition. Face flies are being reported in larger numbers.

**OKLAHOMA:** Days suitable for fieldwork 5.8. Topsoil 7% very short, 34% short, 56% adequate, 3% surplus. Subsoil moisture 6% very short, 27% short, 65% adequate, 2% surplus. Wheat 75% soft dough, 42% last week, 56% 1999, 38% avg. Rye 1% very poor, 3% poor, 19% fair, 63% good, 14% excellent, 100% headed, 99% last week, 99% 1999, n/a avg.; 71% soft dough, 55% last week, 67% 1999, n/a avg. Oats 2% very poor, 8% poor, 30% fair, 54% good, 6% excellent, 84% headed, 77% last week, 92% 1999, 78% avg.; 51% soft dough, 24% last week, 48% 1999, 35% avg. Corn 100% planted, 97% last week, 99% 1999, 96% avg.; 89% emerged, 76% last week, 90% 1999, 87% avg. Sorghum 82% seedbed prepared, 80% last week, 75% 1999, 68% avg.; 11% emerged, 6% last week, 3% 1999, 7% avg. Soybeans 87% seedbed prepared, 80% last week, 86% 1999, 83% avg.; 47% planted, 37% last week, 32% 1999, 39% avg.; 31% emerged, 22% last week, 18% 1999, 18% avg. Peanuts 97% seedbed prepared, 91% last week, 94% 1999, 92% avg.; 36% emerged, 9% last week, 26% 1999, 15% avg. Cotton 99% seedbed prepared, 98% last week, 94% 1999, 90% avg.; 38% emerged, 8% last week, 18% 1999, 10% avg. Alfalfa Hay 1% very poor, 3% poor, 23% fair, 59% good, 14% excellent; 89% first cutting, 75% last week, 76% 1999, 68% avg.; 8% second cutting, 1% last week, 1% 1999, 2% avg. Other Hay 2% poor, 24% fair, 61% good, 13% excellent; 51% first cutting, 28% last week, 39% 1999, 36% avg. Livestock 2% poor, 16% fair, 65% good, 17% excellent; Cattle marketings slightly above average. Feeder cattle prices steady to \$1.00 per cwt. lower than last week.

**OREGON:** Days suitable for fieldwork 6. Topsoil 1% very short, 21% short, 72% adequate, 6% surplus. Subsoil 1% very short, 14% short, 72% adequate, 13% surplus. Barley 16% headed, 39% fair, 44% good, 17% excellent. Winter wheat 13% headed, 5% 1999, 15% 5 avg.; 23% fair, 51% good, 26% excellent. Range, pasture 2% poor, 21% fair, 73% good, 4% excellent. Activities: In Eastern State grains in mostly good condition, starting to head. Irrigation continued on field crops. In Mid-Columbia Basin fertilizing main field activity, rye pulling had just started. Frost damaged some winter wheat, barley fields with a possible 50-70% yield damage. In Klamath Basin spring planting continued. Sugarbeets 95% planted, 50% emerged. In Western State winter wheat, barley in mostly good condition. Fall grain crops, grass seed crops heading. Hops climbing up ties. In some areas grass, alfalfa hay fields being cut. Crimson clover nearing full bloom. Red clover being flailed, put in silos. Nurseries, greenhouses are still very busy with spring activities. Planting continued in nursery field operations, while movement of plant material to local, distant markets continued. Some Easter lily fields being hand weeded. Christmas tree spraying for bugs has started. Most Christmas trees for next fall have been sold already, prices are about same as 1999. Potato planting mostly finished in Baker County, looked very good in Umatilla County. Most other vegetable crop progress slightly ahead of schedule in other areas of eastern State. In Willamette Valley, vegetable planting continued on schedule with some early salad vegetables nearing harvest. Truck gardens still busy planting. Marion County reported processing vegetable plantings less than normal. Northwest region reported improved weather. Strawberries increased in size; its season will be extended due to prolonged bloom periods. Blackberries, marionberries bloomed. Apple, cherries looked good, are waiting for June drop. Hazelnuts formed. Southwest coastal areas reported bee hives set for pollination. Stevens cranberry between hook, early bloom. Blueberry placed visible. Nearby Jackson, Josephine counties reported first fire blight found, first cover spray underway on fruit trees. Hood river reported some fruit loss from frost in higher elevations. Livestock condition mostly good; excellent in southern State.

In Klamath County, cattle turn out to lower elevation ranges, hay feeding completed. Range, pasture feed is mostly fair to good east of Cascades, mostly good to excellent in west. Much of eastern State reported improved forage due to recent rains; exceptions Morrow, southeast Malheur counties.

**PENNSYLVANIA:** Days suitable for field work 4.8. Soil moisture 5% very short, 32% short, 59% adequate, 4% surplus. Spring plowing 91% complete, 91% 1999, 84% avg. Corn 78% planted, 78% 1999, 60% avg. Corn 50% emerged, 42% 1999. Soybeans 41% planted, 41% 1999, 26% avg. Soybeans 15% emerged, 14% 1999. Oats 97% planted, 97% 1999, 90% avg.; 87% emerged, 84% 1999. Potatoes 81% planted, 81% 1999, 62% avg. Tobacco transplanted 45% complete, 7% 1999, 6% avg. Barley 92% heading or headed, 85% 1999, 78% avg. Barley 25% yellow, 1% 1999, 3% average. Wheat 61% heading or headed, 37% 1999, 40% avg. Wheat crop 3% poor, 18% fair, 69% good, 10% excellent. Oat crop 2% very poor, 7% poor, 28% fair, 56% good, 7% excellent. Alfalfa 1st cutting 30% complete, 23% 1999, 13% avg. Timothy clover 1st cutting 8% complete, 5% 1999, 3% avg. Quality of hay made 1% very poor, 4% poor, 21% fair, 54% good, 20% excellent. Activities include spring plowing; planting oats, potatoes, corn, soybeans, vegetables and alfalfa; fixing fences; machinery maintenance; spreading lime and fertilizers; hauling manure; caring for livestock; making hay and haylage; and applying pesticides.

**SOUTH CAROLINA:** Days suitable for field work. 6.3 Soil moisture 29% very short, 62% short, 9% adequate. Apples 87% fair, 13% good. Barley 98% turned color, 68% 1999; 63% avg.; 62% ripe, 27% 1999, 23% avg.; 12% harvested, 6% 1999; NA avg.; 7% fair, 49% good, 44% excellent. Cantaloupes 95% planted, 100% 1999, 95% avg.; 4% poor, 38% fair, 58% good. Corn 4% very poor, 15% poor, 41% fair, 40% good. Cotton 72% planted, 70% 1999, 80% avg.; 1% very poor, 9% poor 47% fair, 43% good. Cucumbers 3% poor, 22% fair, 75% good. Grain Hay 87% harvested, 73% 1999, 75% avg. Hay 4% very poor, 14% poor, 36% fair, 44% good, 2% excellent. Oats 95% turned color, 77% 1999, 79% avg.; 78% ripe, 33% 1999, 38% avg.; 31% harvested, 17% 1999, 14% avg.; 1% poor, 25% fair, 65% good, 9% excellent. Peaches 3% harvested, 4% 1999, 4% avg.; 5% very poor, 6% poor, 26% fair, 51% good, 12% excellent. Peanuts 81% planted, 79% 1999, 81% avg.; 4% poor, 56% fair, 40% good. Rye 91% turned color, 75% 1999, 76% avg.; 65% ripe, 30% 1999, 35% avg.; 26% harvested, 8% 1999, NA avg.; 4% poor, 30% fair, 65% good, 1% excellent. Snap beans 96% planted, 93% 1999, 88% avg.; 10% fair, 90% good. Sorghum 75% planted, 64% 1999, 45% avg.; 100% good. Soybeans 30% planted, 27% 1999, 20% avg.; 22% emerged, 15% 1999, 11% avg.; 4% poor, 49% fair, 46% good, 1% excellent. Sweetpotatoes 69% planted, 47% 1999, 43% avg.; 17% poor, 64% fair, 19% good. Tobacco 1% poor, 24% fair, 72% good, 3% excellent. Tomatoes 99% planted, 100% 1999, 100% avg.; 6% poor, 8% fair, 33% good, 53% excellent. Watermelons 98% planted, 99% 1999, 97% avg.; 8% poor, 35% fair, 57% good. Winter grazings 20% very poor, 32% poor, 24% fair, 19% good, 5% excellent. Winter wheat 92% turning color, 67% 1999, 78% avg.; 41% ripe, 18% 1999, 30% avg.; 11% harvested. 3% 1999, 3% avg.; 1% very poor, 4% poor, 24% fair, 65% good, 6% excellent.

**SOUTH DAKOTA:** Days suitable for field work 3.9. Topsoil 7% short, 82% adequate, 11% surplus. Subsoil moisture 3% very short, 15% short, 73% adequate, 9% surplus. Feed 3% short, 85% adequate, 12% surplus. Stock water supplies 1% very short, 8% short, 83% adequate, 8% surplus. Winter rye 3% poor, 16% fair, 52% good, 29% excellent. Winter rye boot 59%, 45% 1999, 28% avg. Winter rye headed 5%, 0% 1999, 6% avg. Winter wheat boot 57%, 63% 1999, 30% avg. Alfalfa hay 1st cutting harvested 2%, 1% 1999, 1% avg. Range and pasture 1% very poor, 3% poor, 17% fair, 63% good, 16% excellent. Cattle condition 4% fair, 72% good, 24% excellent. Calving 95% complete. Cattle move to pasture 68% complete. Sheep condition 6% fair, 64% good, 30% excellent. Lambing 94% complete.

**TENNESSEE:** Days suitable for fieldwork 6. Topsoil 5% very short, 21% short, 68% adequate, 6% surplus. Subsoil moisture 5% very short, 26% short, 67% adequate, 2% surplus. Tobacco 47% transplanted, 41% 1999, 35% avg. Wheat 48% turning color, 41% 1999, 33% avg.; 1% very poor, 7% poor, 21% fair, 52% good, 19% excellent. Pastures 1% very poor, 7% poor, 26% fair, 54% good, 12% excellent. Alfalfa 68% first cutting complete, 67% 1999, 55% avg.; 2% poor, 25% fair, 59% good, 14% excellent. Other hay 55% first cutting complete, 41% 1999; 5% poor, 27% fair, 56% good, 12% excellent. Ideal weather last week allowed cotton growers to make excellent progress with planting. Trips are showing up in many areas, producers are spraying as needed. Farmers were also busy last week harvesting hay. Harvest is running slightly ahead of normal, most producers have been pleasantly surprised with both yield, quality. As of Sunday, virtually all of the State's corn acreage had been planted. Producers are now turning their attention to treating fields for weeds, insects, disease. Most areas of the State were dry last week. Rain did arrive over the weekend, which was a welcome sight for farmers in the eastern, southern parts of the State. Soil conditions in these areas were becoming dry, producers were beginning to delay planting.

**TEXAS:** High winds with temperatures upward to 114° in some locations again stressed crops, forage in areas of the Plains, Trans Pecos, Edwards Plateau regions of the state. High winds caused damage to newly emerged plants in several locations, slowed land preparation, spread fires in other areas. Progress remained limited in southern areas of the Low Rolling Plains, northern Edwards Plateau as recent light showers provided little to no benefit. Planting continued to be on hold in some dryer areas while drying out continued in areas of East State. Haying operations continued where possible, the second cutting of hay was completed in some areas, especially in alfalfa growing areas. In the Rio Grande Valley, Winter Garden areas, vegetables continued to make progress however

moisture levels were low, some stress was occurring. Field Crops: Small Grains: Threshing continued in some southern, central areas as conditions allowed. Rust continued to be a problem in some remaining fields across the state. Statewide wheat 39% of normal compared with 71% 1999. Harvested Published 3%, 1999 4%, Average 3%. Corn: Planting was mostly completed in the High Plains. Some dry land corn that would normally be planted will be withheld as the lack of adequate moisture is still a problem in some areas. Cultivation continued where needed, irrigated corn made good progress on the Plains. High winds with blowing dust, extreme temperatures caused some damage to young plants in a few locations. Statewide corn 83% of normal compared with 81% 1999. Silked Published 30%, 1999 23%, Average 12%. Dough Published 5%, 1999 1%, Average 1%. Cotton: Cotton planting continued in the plains areas, however some planting activities remained on hold as the result of high winds, limited moisture levels. Squaring continued in early cotton in southern, central areas. Some damage occurred to young cotton plants from blowing sand, thrip populations were high in a few locations. Squaring Published 7%, 1999 6%, Average 7%. Rice: Rice fields continued to be flooded. State wide rice 85% of normal compared with 91% 1999. Sorghum: Planting was active on the Plains areas, however some plantings will be late or canceled as the result of limited moisture. Irrigated acres were making good progress in all areas. Headed continued in southern areas, cultivation continued where necessary. Statewide sorghum 76% of normal compared with 78% 1999. Headed Published 23%, 1999 15%, Average 13%. Turning Color Published 1%, 1999 0%, Average 0%. Peanuts: Some land preparation continued, planting continued to advance in southern, central areas but was nearing completion on the Plains. Emergence of non-irrigated peanuts was slow in some areas but irrigated peanuts were emerging well. Soybeans: Land preparation remained active where possible. Planting was mostly completed along the upper Coast, South Central State. Planting in portions of the plains was on hold as the result of continued high winds. Commercial Vegetables, Fruit, Pecans Rio Grande Valley, water melon and cantaloup harvest remained very active, harvest continued for greens, carrots, beans, peas, potatoes. Onion harvest was mostly completed with only a few remaining fields to harvest. Stress from lack of moisture continued to cause concern from producers. San Antonio-Winter Garden, harvest of onions, carrots continued, green beans, peas, made good to average progress. Chili peppers made good progress. Strong winds caused stress to some fields where irrigation was limited. East State, planting continued for peas, cucumbers, peppers, egg plants. Sweet potato planting continued in the dryer areas, harvest continued where possible for onions, cauliflower. High Plains, carrots, onions continued to make good progress but some young plants were damaged by high winds. Peaches: The first sprays continued in parts of the Plains, fruit setting of later varieties continued in central, southern areas. Harvest continued to expand with early varieties in central locations and was completed in southern locations. Pecans: Nutlet development continued in most areas. Zinc applications continued to be applied by producers in southern, central areas, spraying for pecan nut casebearers continued in portions of these same areas. Development on the plains continued at normal levels. Range, Livestock: High winds, hot temperatures continued to slow recovery across the state. The Trans-Pecos regions remained mostly void of favorable moisture. Recovery was also limited in areas of the Low Rolling Plains, Edwards Plateau where supplemental feeding remained necessary, available water continued to be depleted. Planting of new grass continued in locations where soil moisture was adequate.

**UTAH:** Days suitable for field work 6. Topsoil 4% very short, 25% short, 70% adequate, 1% surplus. Subsoil moisture 2% very short, 27% short, 70% adequate, 1% surplus. Sheep 4% poor, 24% fair, 67% good, 5% excellent. Pasture, range feed 16% poor, 30% fair, 51% good, 3% excellent. Average alfalfa height 17 inches, 12 inches 1999, 14 inches avg. Alfalfahay 1st cutting 9%, 2% 1999, 1% avg. Corn 84% planted, 46% 1999, 67% avg.; 40% emerged, 10% 1999, 8% avg. Winter wheat headed 12%, 2% 1999, 3% avg. Oats 93% planted, 90% 1999, 84% avg.; 70% emerged, 64% 1999, 60% avg. Potatoes 94% planted, 93% 1999, 68% avg. Ewes lambing on range 94%, 98% 1999, 96% avg. Cattle moved to summer range 39%, 36% 1999, 39% avg. Sheep moved to summer range 25%, 31% 1999, 33% avg. Major farm, ranch activities included: Irrigating crops, moving livestock to summer ranges. The first cutting of alfalfa hay has started.

**VIRGINIA:** Days suitable for fieldwork 6.0. Topsoil 16% very short, 35% short, 40% adequate, 9% surplus. Subsoil moisture 13% very short, 34% short, 48% adequate, 5% surplus. Pastures 2% very poor, 7% poor, 40% fair, 45% good, 6% excellent. Livestock 1% poor, 15% fair, 74% good, 10% excellent. Other Hay 5% poor, 39% fair, 47% good, 9% excellent. Alfalfa Hay 3% poor, 27% fair, 53% good, 17% excellent. Corn for Grain 81% planted, 89% 1999, 78% 5-yr avg. Soybeans 21% planted, 19% 1999, 14% 5-yr avg. Winter Wheat 6% poor, 22% fair, 57% good, 15% excellent. Barley 7% poor, 20% fair, 52% good, 21% excellent. Flue-cured tobacco 84% transplanted, 88% 1999, 76% 5-yr avg. Burley tobacco 33% transplanted, 40% 1999, 21% 5-yr avg. Dark Fire-cured tobacco 59% transplanted, 70% 1999, 51% 5-yr avg. Sun tobacco 87% transplanted, 49% 1999, 29% 5-yr avg. Peanuts 80% planted, 90% 1999, 83% 5-yr avg. Cotton 94% planted, 96% 1999, 95% 5-yr avg. Apples 1% poor, 21% fair, 59% good, 19% excellent. Peaches 14% very poor, 2% poor, 28% fair, 54% good, 2% excellent. Widespread precipitation brought relief to stressed crops, improved soil conditions over the State by week's end. Weather conditions were varied around the state with warm, sunny conditions at the beginning of the week, overcast, rainy conditions by the weekend. Hail was reported from the storms over the weekend, with reports of scattered damage to apples, peaches, tobacco. Dry soil conditions hindered planting last week however it is expected that planting will continue in full force this week as the late rains last week should improve field conditions. Hay baling was a major activity last week with fair to good yields reported. Other farming activities Included: Vegetable planting, tomato staking, tying, strawberry harvesting.

**WASHINGTON:** Days suitable for fieldwork 5.8. Topsoil 1% very short, 29% short, 60% adequate, 10% surplus. Subsoil moisture 2% very short, 31% short, 66% adequate, 1% surplus. Winter wheat dryland 4% poor, 21% fair, 59% good, 16% excellent; irrigated 2% fair, 95% good, 3% excellent. Headed 20%, 4% 1999, 13% Avg. Winter wheat crops experienced some stress due to dry conditions brought on by warm temperatures, constant winds, but in all remained in good condition with potential for strong yields. Spring wheat dryland 1% poor, 67% fair, 31% good, 1% excellent; irrigated 3% fair, 97% good. Planted 100%, 100% 1999, 97% avg.; 96% emerged, 94% 1999, 85% avg. Barley dryland 1% poor, 46% fair, 53% good; irrigated 100% good. Planted 100%, 100% 1999, 96% avg.; 96% emerged, 95% 1999, 84% avg.; 2% headed, 0% 1999, 0% avg. Planting of spring wheat was completed with moderate stress on what has emerged due to the dry conditions existing in the wheat production centers of the state. Cereal grain crops are planted now, are progressing steadily. Spells of hail, frost were reported, but had little effect on crops. Potatoes 8% fair, 90% good, 2% excellent. 88% Emerged, 51% 1999, 64% avg. Alfalfa hay, first cutting, 20% complete. Hay, roughage 94% adequate, 6% surplus. Range, Pasture 16% poor, 40% fair, 43% good, 1% excellent. Planting of vegetable, field crops continued in western state. Sweet corn planting carried on as well as the asparagus harvest. Fruit trees across the state were in bloom with some starting to set. Hail, frosts had caused some damage to blooming trees, but a strong yield was predicted. Christmas tree growers continued applying insecticides for aphids, adelgids, Swiss needle cast. The 1st cutting of alfalfa hay continued, but had been delayed due to frosts, cold temperatures.

**WEST VIRGINIA:** Days suitable for fieldwork 4.8. Topsoil 3% very short, 31% short, 66% adequate. Scattered rainfall across the State brought some relief for topsoil moisture. Corn, oats, soybeans planted are lagging behind 1999, but are ahead of the average. Hay cutting off to a good start-ahead of 1999. Intended Acreage Prepared for Spring Planting 90%, 95% 1999, 88% 5-yr avg. Wheat 10% fair, 66% good, 24% excellent; Wheat headed 84% 1999, 71% 5-yr avg. Hay 10% poor, 40% fair, 43% good, 87%, 7% excellent; Hay 1<sup>st</sup> cut 14%, 11% 1999 and 7% 5-yr avg. Corn 84% planted, 92% 1999 and 63% 5-yr avg. Soybeans 69% planted, 82% 1999, 37% 5-yr avg. Oats 28% fair, 72% good; 89% Planted, 96% 1999, 85% 5-yr avg.; 64% emerged, 72% 1999, 65% 5-yr avg. Tobacco transplanted 26%, 10% 1999, 10% 5-yr avg. Apple 5% very poor, 11% poor, 65% fair, 19% good. Peach 16% poor, 64% fair, 20% good. Cattle 1% very poor, 3% poor, 16% fair, 76% good, 4% excellent. Sheep 8% fair, 88% good, 4% excellent. Feed grain supplies 5% very short, 8% short, 74% adequate, 13% surplus. Hay, roughage supplies 15% very short, 24% short, 61% adequate.

**WISCONSIN:** Days suitable for fieldwork 3.3. Soil moisture: 1% very short, 6% short, 65% adequate, 28% surplus. State crops received bumpy weather last week, with strong storms producing heavy rain, hail, high winds. Numerous reporters commented on golf-ball sized hail, rainfall which totaled as much as 6.0 inches for the week. Some crops were damaged by torrential rain, frost, or hail which will force replanting. Reports of storm damage in Calumet, Manitowoc Counties from a storm May 12th were more widespread than first anticipated. Baseball-sized hail, 120 mph winds damaged farm buildings, crops, spooked livestock through fences. On a more positive note, crops received much needed rainfall in most areas of the state. Soil moisture was 93% adequate-to-surplus, compared to 61% the previous week. First crop hay cutting started late last week in many locations, reached 6% completed. Crop reporters commented that hay will be quickly reaching optimal nutritional feed value, cutting would start soon. Winter wheat 0% very poor, 0% poor, 4% fair, 64% good, 32% excellent. Pasture feed 2% very poor, 2% poor, 17% fair, 56% good, 23% excellent.

**WYOMING:** Days suitable for fieldwork 4.7. Topsoil 2% very short, 31% short, 65% adequate, 2% surplus. Subsoil moisture 4% very short, 43% short, 53% adequate. Barley 94% planted, 92% 1999, 93% avg.; 79% emerged, 73% 1999, 77% avg.; 6% jointed, 17% 1999, 13% avg. Oats 88% planted, 84% 1999, 84% avg.; 59% emerged, 41% 1999, 47% avg.; 1% jointed, 2% 1999, 3% avg. Spring wheat 90% planted, 89% 1999, 84% avg.; 44% emerged, 53% 1999, 50% avg.; 2% jointed, 4% 1999, 5% avg. Winter wheat 62% jointed, 40% 1999, 41% avg.; 6% boot, 2% 1999, 4% avg. Winter wheat 13% very poor, 14% poor, 26% fair, 47% good. Sugarbeets 93% emerged, 80% 1999, 74% avg. Corn 93% planted, 67% 1999, 81% avg.; 62% emerged, 28% 1999, 35% avg. Dry 12% beans planted, 15% 1999, 16% avg. Range flock ewes lambing 78%, 66% 1999, 62% avg. Range, pasture feed 1% very poor, 4% poor, 29% fair, 65% good, 1% excellent. Stock water supplies 2% very short, 20% short, 77% adequate, 1% surplus.

# International Weather and Crop Summary

May 14 - 20, 2000

## HIGHLIGHTS

**EUROPE:** Late-week showers eased unfavorably hot, dry weather in Poland and the Czech Republic, while, hot, dry weather persisted from Slovakia southward into Bulgaria, increasing stress on crops.

**FSU-WESTERN:** The third consecutive week of unseasonably cold weather slowed planting activities and crop development, with sub-freezing temperatures as far south as the northern tip of the North Caucasus in Russia.

**FSU-NEW LANDS:** Unseasonably cool, wet weather slowed spring grain planting in Russia and Kazakstan.

**EASTERN ASIA:** Light rain favored winter wheat in the North China Plain, but mostly dry weather reduced moisture supplies in the eastern Yangtze Valley.

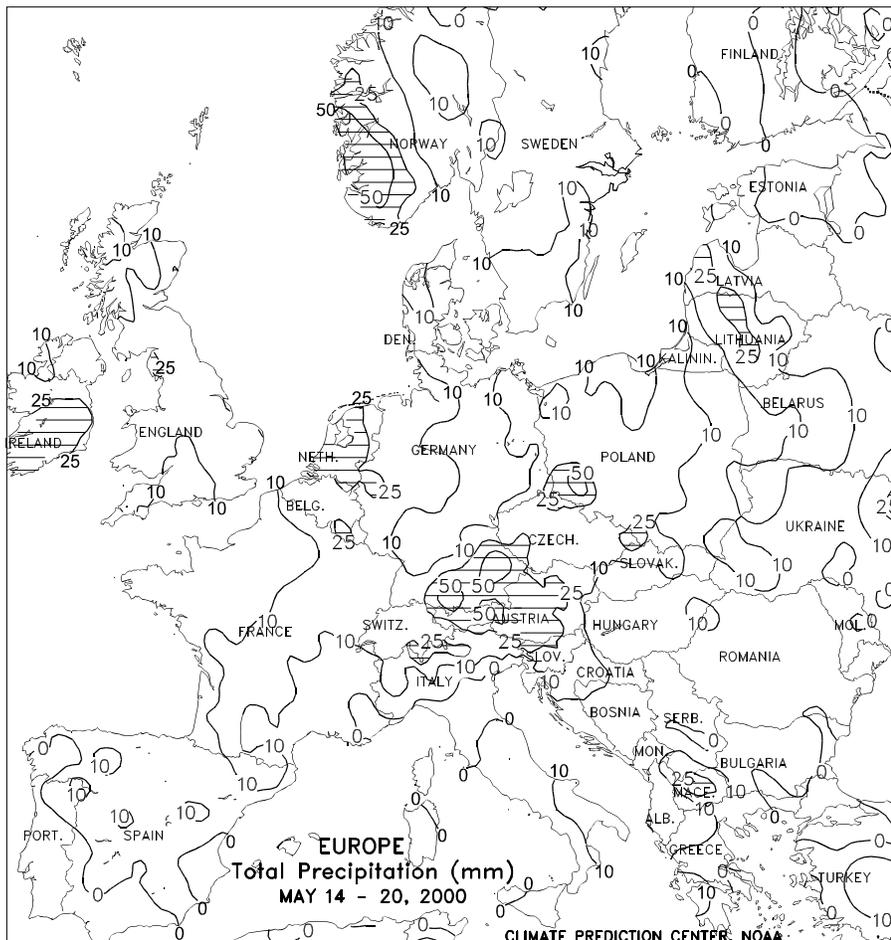
**SOUTHEAST ASIA:** A tropical cyclone brushed the western Philippines, producing heavy showers and local flooding.

**AUSTRALIA:** Cotton and sorghum harvesting and early winter grain sowing continued across the east.

**CANADA:** Dry weather favored Prairie spring crop planting.

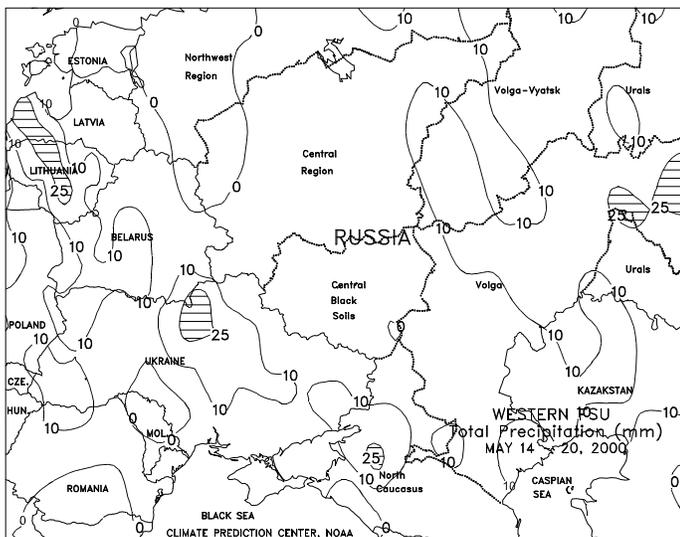
**SOUTH AMERICA:** Across central Argentina, heavy showers delayed summer crop harvesting and possibly caused some crop losses.

**MEXICO:** Seasonably dry weather prevailed across the country.



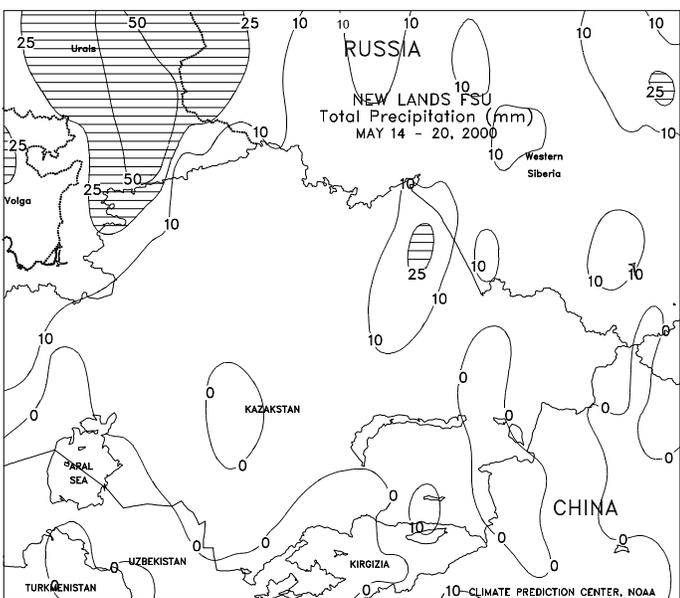
## EUROPE

Scattered showers (4-25 mm or more) maintained adequate soil moisture for spring-sown crops and jointing to reproductive winter grains and oilseeds in England, France, and the Benelux countries. Farther south, drier weather overspread the Iberian peninsula, helping fieldwork to progress after 6 weeks of relatively wet weather. Topsoil moisture remained adequate for emerging summer crops and filling winter grains in Spain and Portugal. More rain was still needed, however, to improve sub-soil moisture and reservoir levels depleted by months of below-normal rainfall. In Italy, light showers (10-25 mm) favored crop development in the northwest and in major durum wheat-producing areas in the extreme south. In eastern Europe, late-week showers (5-24 mm) and cooler weather eased unfavorable heat and dryness in eastern Germany, southern Sweden, Poland, and the Czech Republic. However, unfavorably warm, dry weather persisted from Slovakia and Hungary, southward into Romania and Bulgaria, causing a decline in crop conditions. Crop progress for winter grains ranged from in or nearing reproduction in northern Europe and filling to mature across the south. Temperatures across Europe continued to be well above normal (2 to 4 degrees C above normal), spurring rapid crop development, but increasing evaporative losses. Cooler weather moved into northern Europe during the latter half of this week, however, reducing crop moisture requirements.



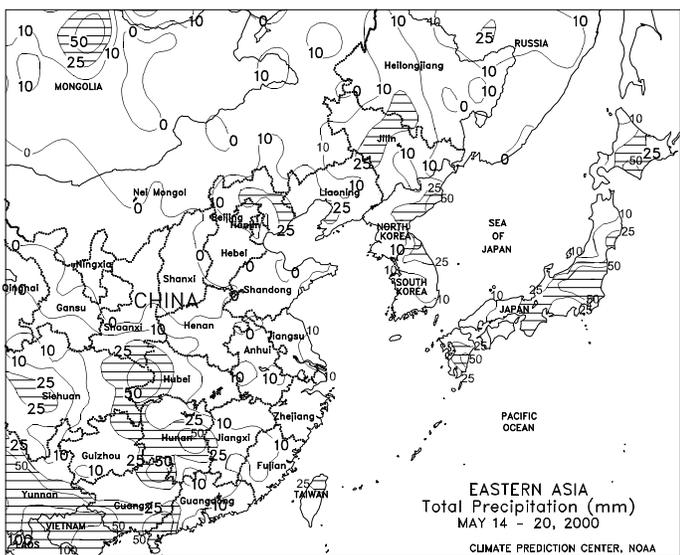
**FSU-WESTERN**

The third consecutive week of unseasonably cold weather slowed crop development and planting activities in Russia, Ukraine, and Belarus. Russia experienced sub-freezing temperatures (-1 to -3 degrees C) that reached as far south as the northern tip of the North Caucasus region. Overall, temperatures did not fall low enough to cause significant damage to winter grains in the jointing stage. However, newly emerged sugar beets and sunflowers may have experienced some freeze damage. Drier weather prevailed over Russia, with precipitation amounts ranging from 3 to 17 mm. Reports from Russia as of May 16 indicated that spring grain was about 48 percent planted. Planting was lagging well behind last year's pace. Elsewhere, mostly dry weather persisted in southern and eastern Ukraine, reducing topsoil moisture and likely causing a decline in crop conditions. Welcomed light to moderate showers (10-25 mm or more) fell in north-central Ukraine and western Belarus, reversing a drying trend and improving topsoil moisture for crop development. Crop progress for winter grains likely ranged from heading in southern Ukraine and extreme southern areas in Russia to jointing over the remainder of the region. Spring grains were likely tillering in Ukraine and southern Russia and emerging in Belarus, the Baltics, and northern Russia. Weekly temperatures averaged 6 to 9 degrees C below normal in Russia, 2 to 5 degrees C below normal in eastern Ukraine, and 1 to 3 degrees C above normal in western Ukraine, western Belarus, and the Baltics.



**FSU-NEWLANDS**

Spring grain planting is typically well underway in most areas. Unseasonably cold, wet weather in the Urals region of Russia and western Kazakhstan slowed planting activities. Weekly temperatures in these areas ranged from 2 to 9 degrees C below normal. The greatest amounts of precipitation (25-75 mm) were observed in the Urals, with precipitation amounts in western Kazakhstan ranging from 10 to 25 mm. Farther east, widely scattered showers (3-18 mm) accompanied a warming trend in Western Siberia, Russia, and eastern Kazakhstan, allowing some planting activities. Weekly temperatures averaged 1 to 3 degrees C above normal in these areas. In cotton-producing areas of Central Asia, unseasonably warm, dry weather in most areas favored late-season fieldwork and crop development.

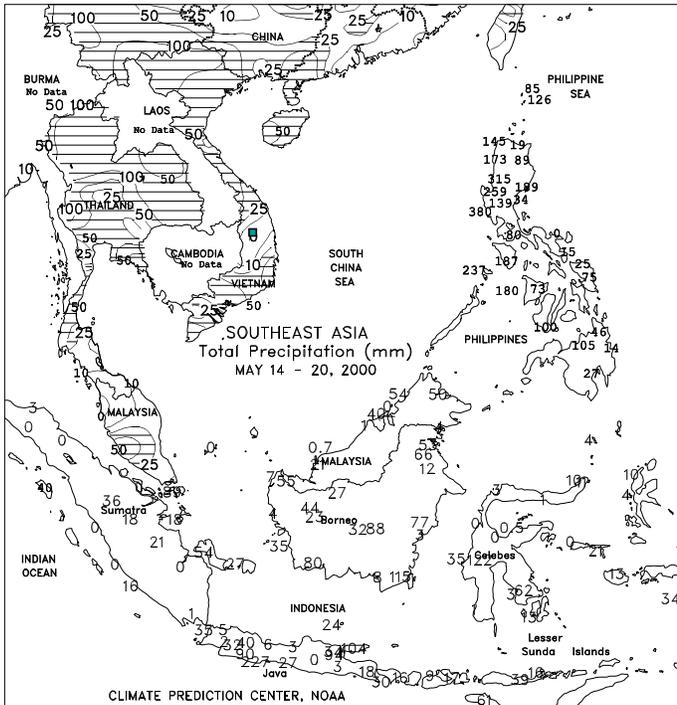


**EASTERN ASIA**

Across the North China Plain (Yellow River Basin), scattered, light rain (less than 5 mm) brought some additional moisture for filling rainfed winter wheat. Rain will be needed in the next few weeks for summer crop germination. In Manchuria, light to moderate rain (5-20 mm) continued to favor spring wheat and summer crop planting and germination. Across the central Yangtze Valley (Hunan, Hubei, Sichuan, and Guizhou) and the southern coastal provinces of Guangdong and Guangxi, light to moderate showers (10-40 mm, with isolated amounts greater than 60 mm) maintained adequate moisture supplies for early rice development and summer crop planting. In the eastern Yangtze Valley (Anhui, Jiangsu, Zhejiang, and Fujian), mostly dry weather (less than 15 mm) reduced moisture supplies for early rice, but favored winter crop harvesting. Temperatures averaged 2 to 4 degrees C above normal across most of China.

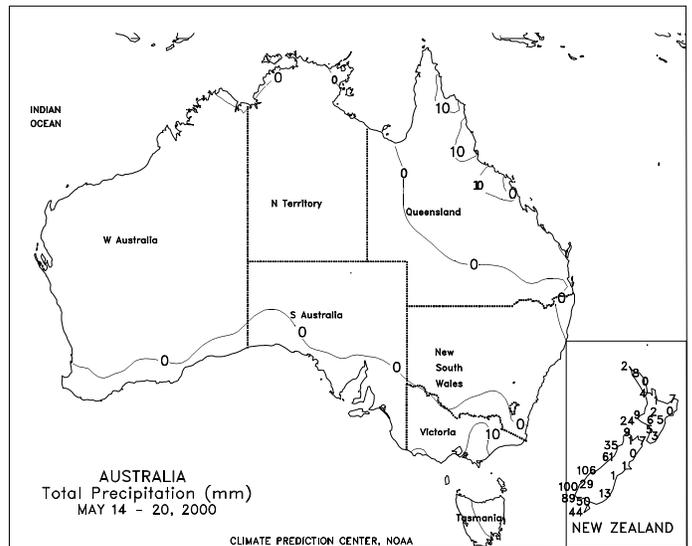
**SOUTHEAST ASIA**

Across Thailand and Vietnam, widespread showers (20-150 mm) continued to increase moisture supplies for rice. In the western Philippines, a tropical cyclone brushed western Luzon, producing heavy showers (100-300 mm) and local flooding. In Java, Indonesia, drier weather (10-40 mm) eased wetness for main-season rice harvesting. Scattered showers (30-70 mm) increased moisture supplies for oil palm.



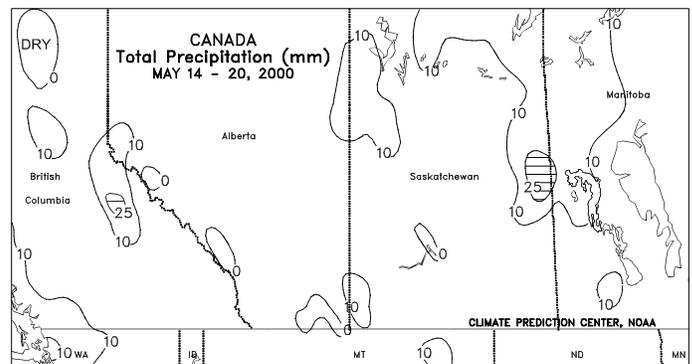
**AUSTRALIA**

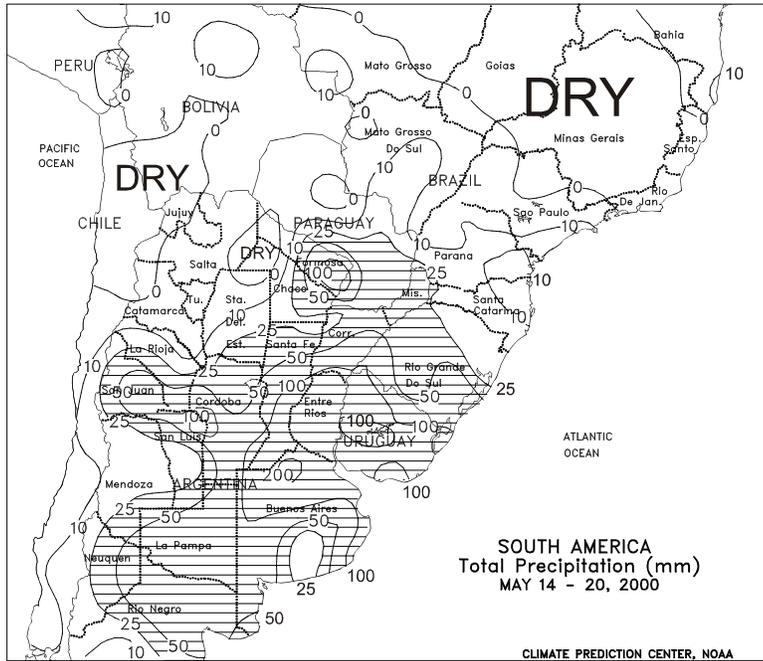
Dry, mild weather continued across Queensland and New South Wales, favoring summer crop harvesting and winter grain and oilseed planting. Temperatures averaged near to below normal, but lows generally remained above freezing, favoring winter crop germination. A drier pattern returned to the winter grain belts of Western Australia and the southeast, with light showers (5 mm or less) confined to South Australia and Victoria. More rain is needed in sections of the southeast to support normal development of winter crops. In New Zealand, rainfall totaled less than 10 mm throughout North Island and eastern sections of South Island, with heavier rain (25 mm or more) continuing along South Island's western and southern coastal areas.



**CANADA**

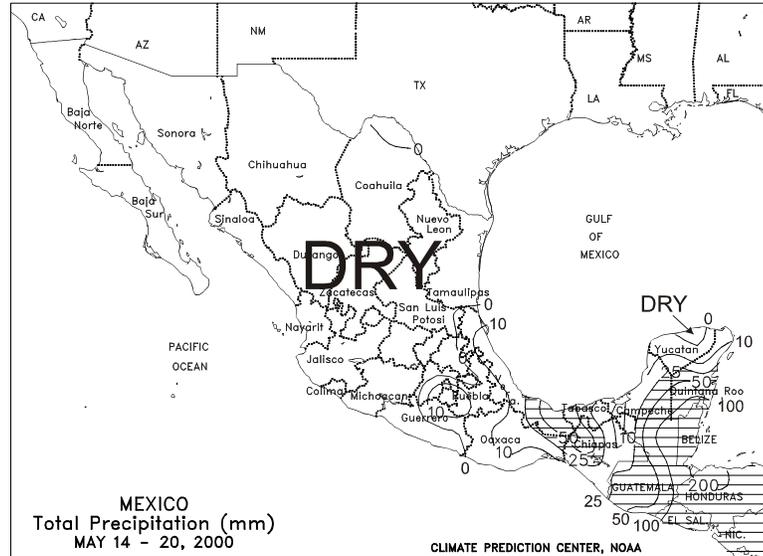
A drier weather pattern dominated the Prairies, with scattered light showers (5 mm or less in most areas) likely causing only minor planting delays. Temperatures averaged 1 to 3 degrees C below normal in northern and eastern growing districts, slowing germination and burning back tender growth. Last week's cold weather reportedly caused enough damage to warrant local re-seeding. The last spring freeze typically occurs between May 20-31 in most Prairie crop areas. Moisture is needed in northern sections of Alberta, including the Peace River Valley, for even spring crop germination. Farther east, moderate rain (25 mm or more) covered most of Ontario and Quebec, aiding vegetative winter wheat and improving corn and soybean prospects.





**SOUTH AMERICA**

Across central Argentina, heavy showers (50-150 mm, with isolated amounts greater than 200 mm) delayed corn and soybean harvesting and possibly caused local crop damage and quality reductions. The heavy rainfall (50-200 mm) extended into Uruguay, easing long-term moisture deficits. According to reports as of May 12, national Argentine sorghum, rice, and cotton were 47, 73, and 26 percent harvested, respectively. Nationally, corn was 60 percent harvested, compared with 64 percent harvested last year. In the provinces, corn was 93 percent harvested in Entre Rios, 84 percent in Santa Fe, 75 percent in Buenos Aires, and 56 percent in Cordoba. Nationwide, soybeans were 55 percent harvested, compared with 66 percent harvested last year. By province, soybeans were 53 percent harvested in Cordoba, 63 percent in Santa Fe, and 65 percent in Buenos Aires. In the north, cotton was 39 percent harvested in Chaco and 38 percent in Santa Fe, and the fields were too wet for fieldwork in Formosa. In southern Brazil, light to moderate rain (10-50 mm) covered Rio Grande do Sul, increasing topsoil moisture for winter wheat planting, but causing no significant delays to soybean harvesting. Elsewhere in southern Brazil, mostly dry, warm weather aided summer crop harvesting. Temperatures averaged near to slightly above normal across Argentina and Brazil.



**MEXICO**

Seasonably dry weather prevailed across most of Mexico. Scattered showers (15-60 mm) increased moisture supplies across extreme southern Mexico (Chiapas) and Guatemala. Veracruz received 10 to 30 mm of rain. Temperatures averaged 1 to 3 degrees C above normal across northern Mexico.

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

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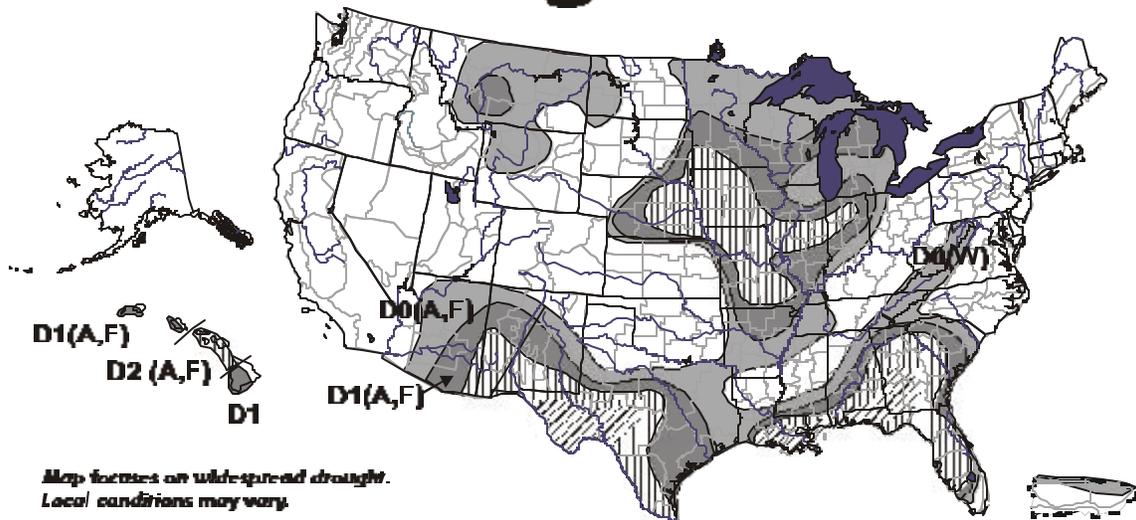
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May 16, 2000 Valid 7 a.m. EST

# U.S. Drought Monitor



Map focuses on widespread drought.  
Local conditions may vary.

- |                                |                                            |
|--------------------------------|--------------------------------------------|
| D0 Abnormally Dry              | Drought type used only when impacts differ |
| D1 Drought-First Stage         |                                            |
| D2 Drought-Severe              |                                            |
| D3 Drought-Extreme             |                                            |
| D4 Drought-Exceptional         |                                            |
| Dashed lines Overlapping areas |                                            |
|                                | A = Agriculture                            |
|                                | W = Water                                  |
|                                | F = Wildfire danger                        |

(+) = Forecast to intensify next two weeks  
(-) = Forecast to diminish next two weeks  
N/A sign = No change in drought classification forecast



Released Thursday, May 18, 2000  
Drought Monitor Web Site:  
<http://enso.unl.edu/monitor/monitor.htm>

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