

# WEEKLY WEATHER AND CROP BULLETIN

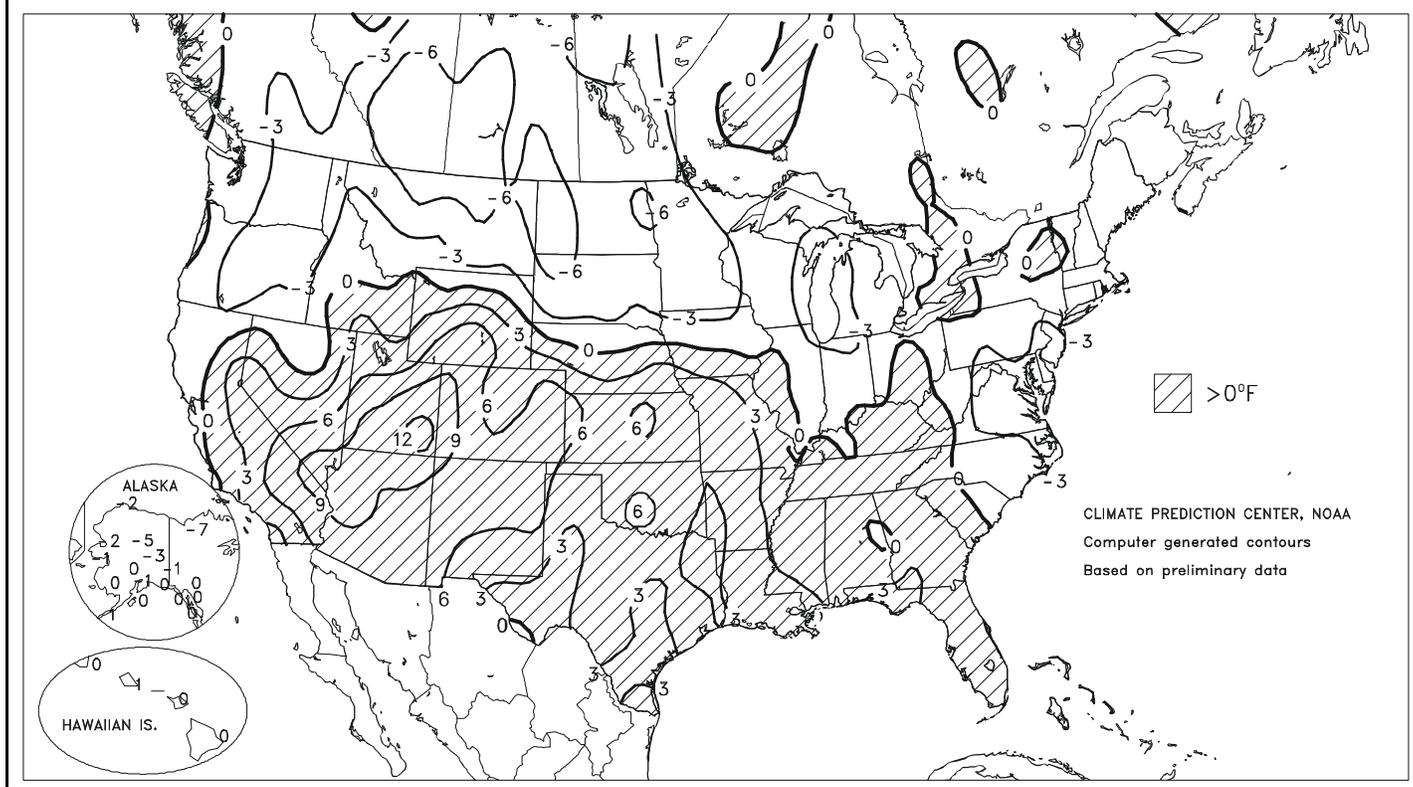
U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service

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



Departure of Average Temperature from Normal (°F)

MAY 28 - JUN 3, 2000



## HIGHLIGHTS

May 28 - June 3, 2000

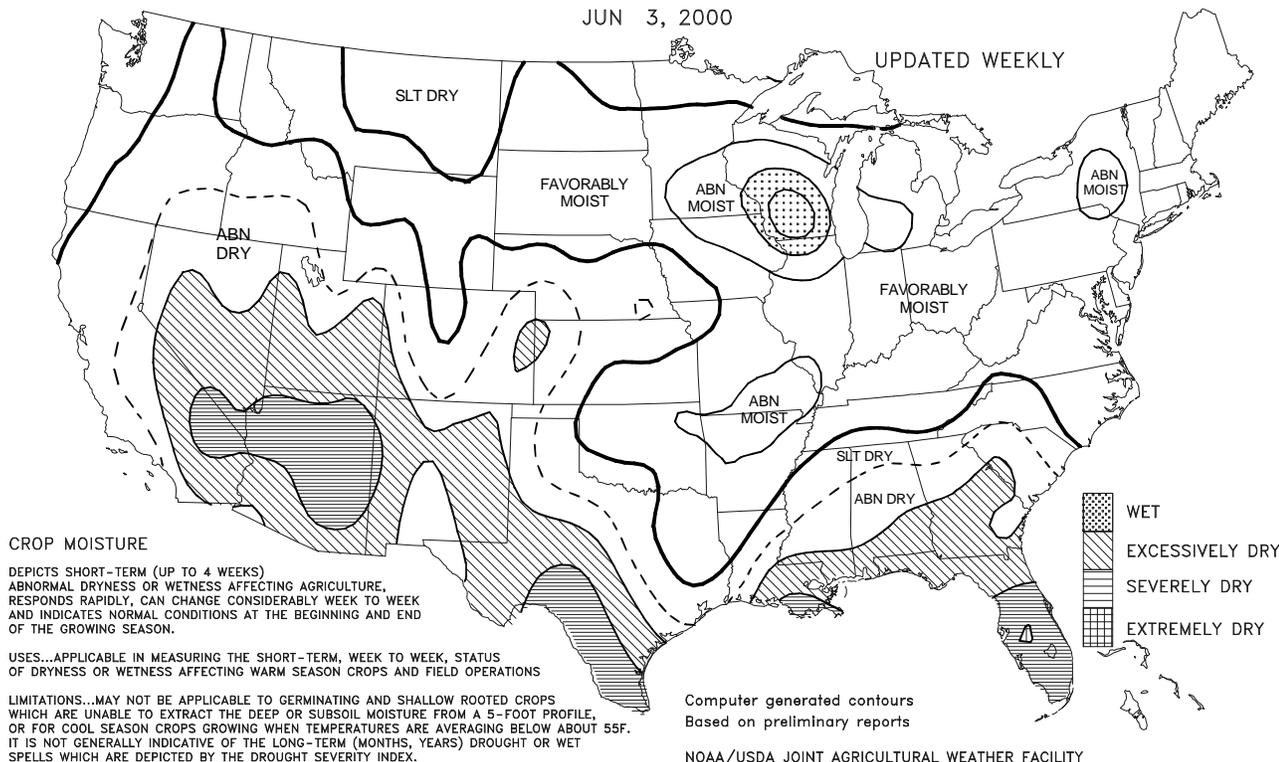
An early-season heat wave gripped areas from the **Southwest** to the **central and southern Plains**, increasing crop-water demands for irrigated crops, stressing immature winter wheat and dryland summer crops, and hastening winter wheat maturation. Weekly temperatures averaged 2 to 11°F above normal in the southern portions of **California** and **Nevada**, the **Four Corners region**, and the **central and southern Plains**. Towards week's end, however, cooler weather and scattered showers eased crop stress across the **central and southern Plains**. On the **southern Plains**, the late-week soil moisture improvements encouraged additional cotton and sorghum planting.  
*(Continued on page 7)*

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Crop Moisture  
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE  
JUN 3, 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.

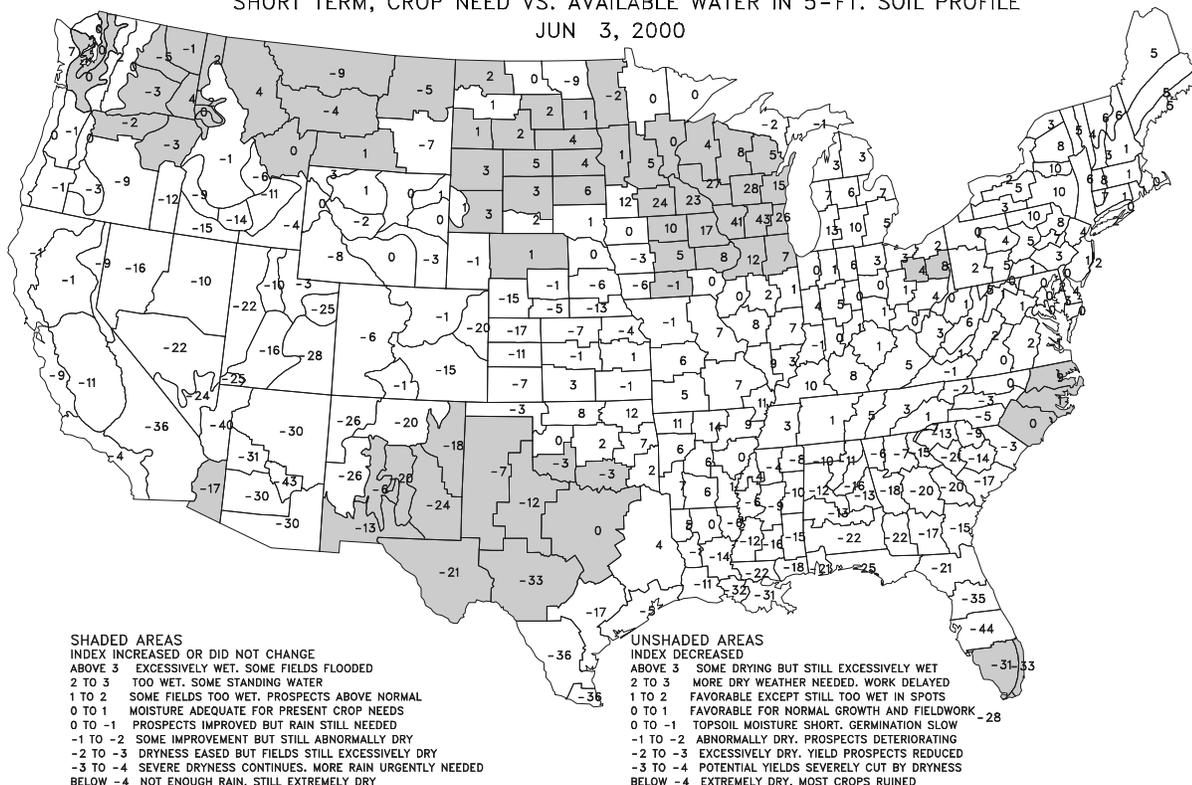
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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  
JUN 3, 2000

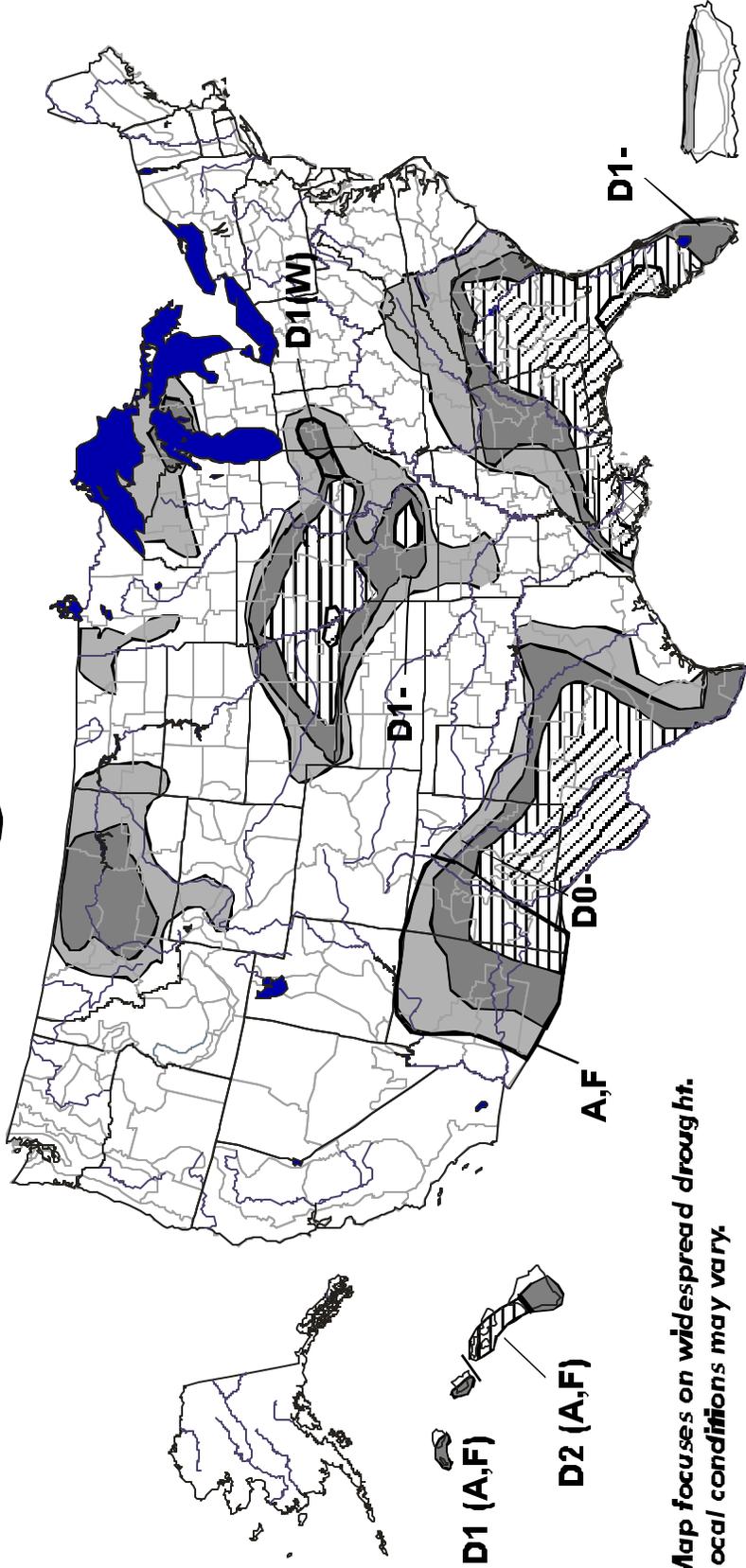


**SHADED AREAS**  
INDEX INCREASED OR DID NOT CHANGE  
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED  
2 TO 3 TOO WET. SOME STANDING WATER  
1 TO 2 SOME FIELDS TOO WET. PROSPECTS ABOVE NORMAL  
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS  
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED  
-1 TO -2 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

May 30, 2000 Valid 7 a.m. EST

# U.S. Drought Monitor



Map focuses on widespread drought. Local conditions may vary.

- D0 Abnormally Dry
  - D1 Drought-First Stage
  - D2 Drought-Severe
  - D3 Drought-Extreme
  - D4 Drought-Exceptional
  - ⊃ Delineates Overlapping Areas
- Drought type: used only when impacts differ
- A = Agriculture  
W = Water  
F = Wildfire danger

Plus (+) = Forecast to intensify next two weeks  
 Minus (-) = Forecast to diminish next two weeks  
 No sign = No change in drought classification forecast



● Released Thursday, June 1, 2000 ●

Drought Monitor Web Site:  
<http://enr.soi.unl.edu/monitor/monitor.html>

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

**Weather Data for the Week Ending June 3, 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 Jun 1	PCT. NORMAL SINCE Jun 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 *	90	67	95	61	79	6	-	-	-	-	-	-	-	-	-	4	0	-	-
BELZONI *	91	66	94	64	79	2	0.40	-0.94	0.40	0.00	0	-	-	-	-	5	0	1	0
CLARKSDALE *	90	63	91	41	77	1	0.06	-1.01	0.06	0.00	0	-	-	-	-	4	0	1	0
CLEVELAND *	90	67	95	63	79	3	0.87	-0.48	0.87	0.00	0	24.24	96	-	-	5	0	1	1
GREENVILLE *	91	68	94	63	80	3	0.67	-0.40	0.67	0.00	0	-	-	-	-	5	0	1	1
GREENWOOD *	88	65	92	57	77	1	0.08	-0.97	0.08	0.00	0	21.56	89	-	-	2	0	1	0
INDIANOLA 1S	89	68	91	65	79	-	0.17	-	0.17	0.00	0	-	-	87	76	4	0	1	0
INVERNESS 5E	89	68	92	64	79	-	0.16	-	0.16	0.00	0	24.51	-	-	-	4	0	1	0
LYON	90	67	95	61	79	-	0.04	-	0.04	0.00	0	20.50	-	-	-	4	0	1	0
MOORHEAD *	91	69	94	64	80	3	0.37	-0.81	0.37	0.00	0	24.70	98	-	-	6	0	1	0
ONWARD	88	67	91	62	78	-	0.14	-	0.14	0.00	0	-	-	86	75	3	0	1	0
ROLLING FORK *	91	67	95	62	79	3	0.93	-0.02	0.93	0.00	0	17.06	70	-	-	4	0	1	1
SIDON	90	68	94	63	79	-	0.41	-	0.41	0.00	0	20.58	-	-	-	4	0	2	0
TUNICA *	90	68	95	62	79	4	0.34	-0.92	0.34	0.00	0	21.57	87	-	-	4	0	1	0
TUNICA 1W	89	67	93	60	78	3	0.00	-1.26	0.00	0.00	0	-	-	87	75	4	0	0	0
VANCE	89	66	95	60	78	-	0.02	-	0.02	0.00	0	-	-	81	74	3	0	1	0
VICKSBURG *	88	68	92	63	78	2	0.25	-0.70	0.25	0.00	0	-	-	-	-	4	0	1	0
YAZOO CITY *	89	65	94	60	77	0	1.34	0.36	1.34	0.00	0	26.17	96	-	-	4	0	1	1
STONEVILLE *	92	68	97	64	80	4	0.72	-0.20	0.72	0.00	0	30.86	126	93	76	5	0	1	1

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

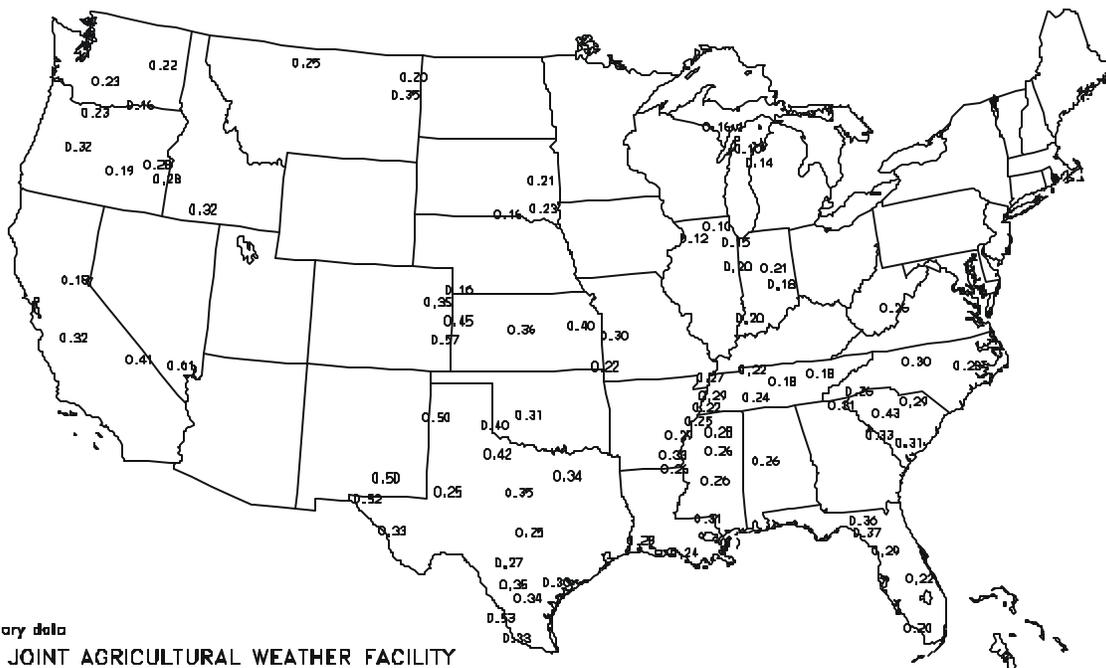
\* Based on 1964-93 normals.

x Based on 1961-90 normals.

**Delta Weather and Crop Summary:** Scattered showers moved across the Mississippi Delta on May 28 and 29, bringing much-needed rain to milo, corn, and especially soybeans and cotton. Growers continued to harvest winter wheat until the rains came. Additional corn began to tassel. Activities included final rice planting and fertilizer and pesticide applications to some row crops.

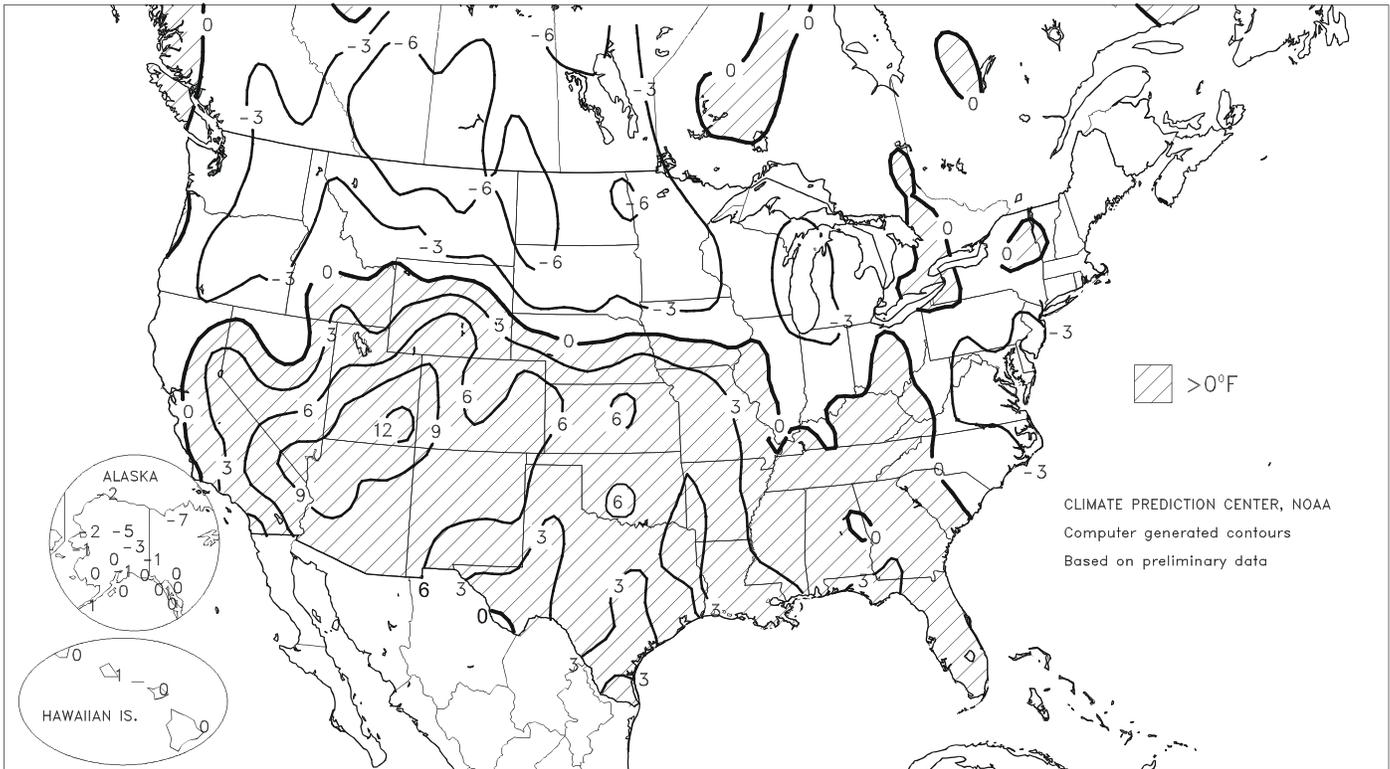
**Average Pan Evaporation (Inches)**

MAY 28 - JUN 3, 2000



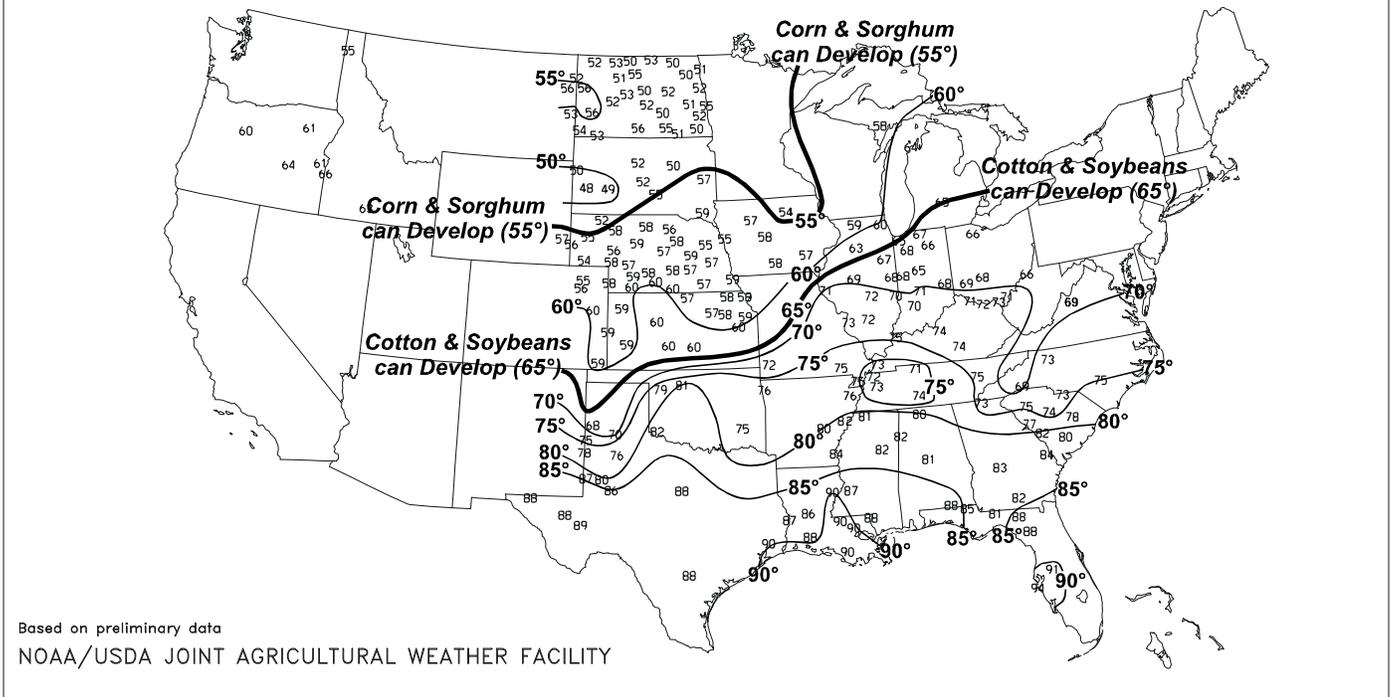
Departure of Average Temperature from Normal (°F)

MAY 28 - JUN 3, 2000



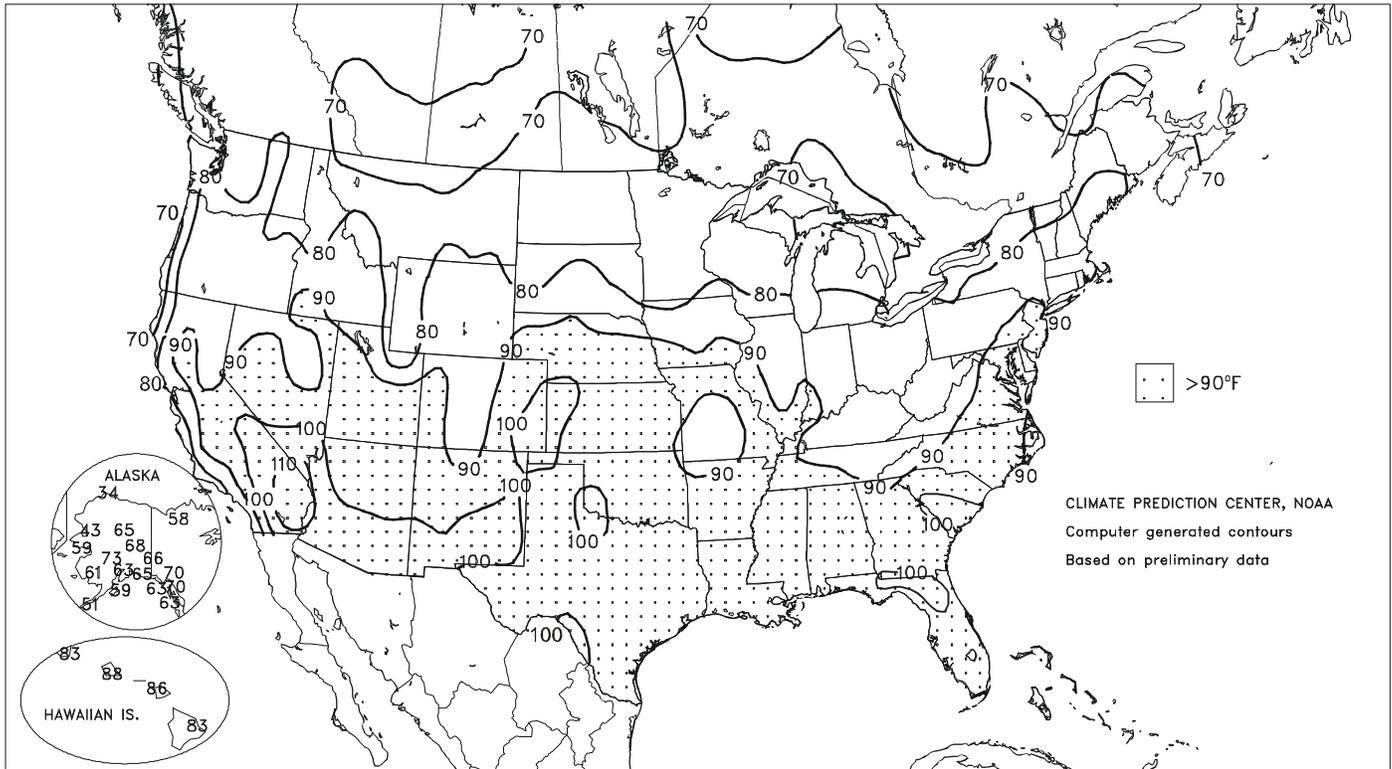
Average Soil Temperature (°F, 4" Bare)

MAY 28 - JUN 3, 2000



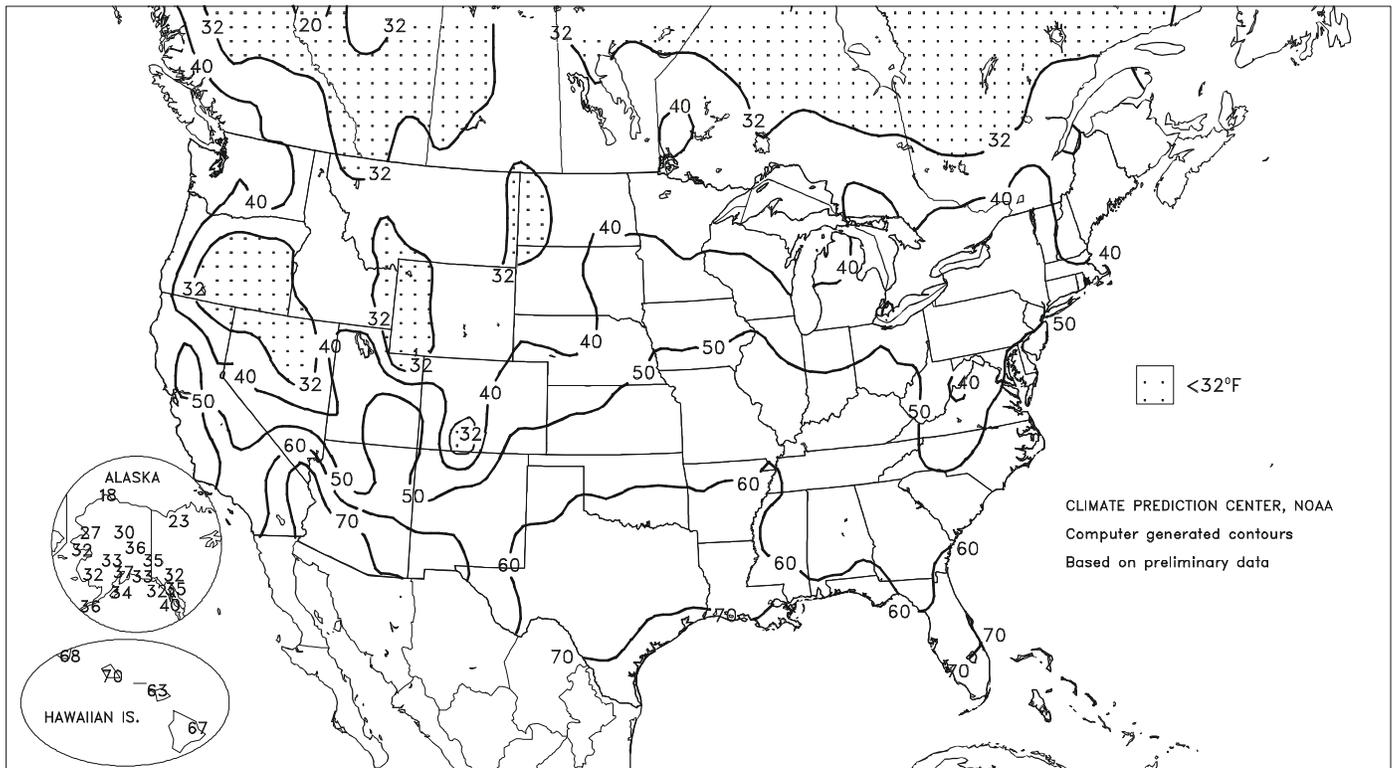
Extreme Maximum Temperature (°F)

MAY 28 - JUN 3, 2000



Extreme Minimum Temperature (°F)

MAY 28 - JUN 3, 2000



(Continued from front cover)

Meanwhile, generally beneficial showers and thunders storms aided drought-stressed small grains on the **northern High Plains** and favored corn and soybean development in the **northern and eastern Corn Belt**. Locally excessive rainfall caused lowland flooding in the **upper Mississippi Valley**, including **southeastern Minnesota** and **southern Wisconsin**. Topsoil moisture remained limited, however, in the **southwestern Corn Belt**. Farther south, extremely dry, often hot conditions continued to severely stress pastures and non-irrigated summer crops from **eastern Louisiana** to the **southern Atlantic Coast**, including all but **southernmost Florida**. Late-week temperatures reached or exceeded 100°F in parts of the **lower Southeast**. In contrast, very cool weather prevailed on the **northern Plains**, where weekly temperatures averaged 3 to 10°F below normal.

During the first half of the week, hot weather resulted in well over 100 daily-record highs and more than two dozen May-record highs, mostly from the **Four Corners region** to the **central High Plains**. Early- and late-week hot spells also produced several daily-record highs in the **Southeast**. On Monday, May records included 103°F in **Moab, UT** and **Goodland, KS**, and 101°F in **Grand Junction, CO** and **Burlington, CO**. **Grand Junction's** high eclipsed their previous May record (95°F on May 31, 1956) by 6°F. Meanwhile in **Florida**, daily-record highs on May 28 included 100°F in **Tallahassee** and 99°F in **Orlando**. Extreme heat returned toward week's end to the **Southeast**, where **Columbia, SC** (101°F on June 2) netted a record high.

In contrast, sharply cooler weather overspread the **northern Plains** and **interior Northwest**. The last day of May featured daily-record lows in locations such as **Grand Forks, ND** (33°F) and **Burns, OR** (22°F). **Burns** collected another record low (24°F) the next day, while **Randolph, UT** (19°F) registered their lowest June temperature on record (previously 22°F on June 12, 1993). On Friday, **Williston, ND** noted 30°F, setting their low-temperature record for June 2.

Beneficial showers preceded the cool weather across the **northern Plains** and **Northwest**. In **Montana**, **Great Falls** measured 1.61 inches of precipitation, including 3.4 inches of snow, on May 30-31, boosting their January-May total to 4.18 inches (64 percent of normal). Despite 0.51 inch of rain in **Helena, MT** on May 31, their year-to-date precipitation remained well below normal (2.49 inches, or 55 percent of normal).

Farther east, locally excessive rainfall struck the **upper Mississippi Valley**. On June 1, rainfall totaled 4.81 inches in **Rochester, MN**, breaking their single-day June rainfall record (previously 4.18 inches on June 25, 1913). Additional rain also fell in **Lower Michigan**, capping an exceptionally wet month that resulted in May-record precipitation in **Grand Rapids** (9.59 inches, or 306 percent of normal) and **Muskegon** (7.45 inches, or 287 percent). **Grand Rapids'** rainfall represented their highest monthly total since 11.85 inches fell in September 1986. Significant rain also fell on the **southern Plains**, where **Lubbock, TX** received 3.67 inches during the first 3 days of June. Most of **Lubbock's** rain, 3.59 inches, fell in a 24-hour period on June 1-2, boosting their year-to-date precipitation to 8.95 inches (160 percent of normal). At week's end, locally torrential rainfall caused flooding in **northeastern Texas**, where **Mineral Wells** noted a 24-hour total of 5.40 inches on June 3-4.

Extremely dry conditions persisted, however, in the **eastern Gulf Coast** and **southern Atlantic States**, except across **southernmost Florida**. In **west-central Florida**,

**Tampa's** year-to-date rainfall through June 3 stood at a record-low 3.11 inches (24 percent of normal). Several locations in the region ended the month with their driest May on record, including **Tampa** (0.02 inch, or less than 1 percent of normal), **New Orleans, LA** (0.07 inch, or 2 percent), and **Augusta, GA** (0.36 inch, or 10 percent). Through June 3, year-to-date precipitation deficits grew to 16.97 inches in **Tallahassee** and 17.87 inches in **New Orleans**.

Cooler-than-normal weather prevailed in much of **Alaska** for the fifth consecutive week, although temperatures rebounded slightly from the previous week. Nevertheless, temperatures averaged as much as 5°F below normal in interior sections, capping **Fairbanks'** coolest May (4.2°F below normal) since 1992 and second-coolest since 1965. **King Salmon** noted a daily-record low of 28°F on May 28. Meanwhile in **Hawaii**, mostly dry weather brought further long-term drought intensification.

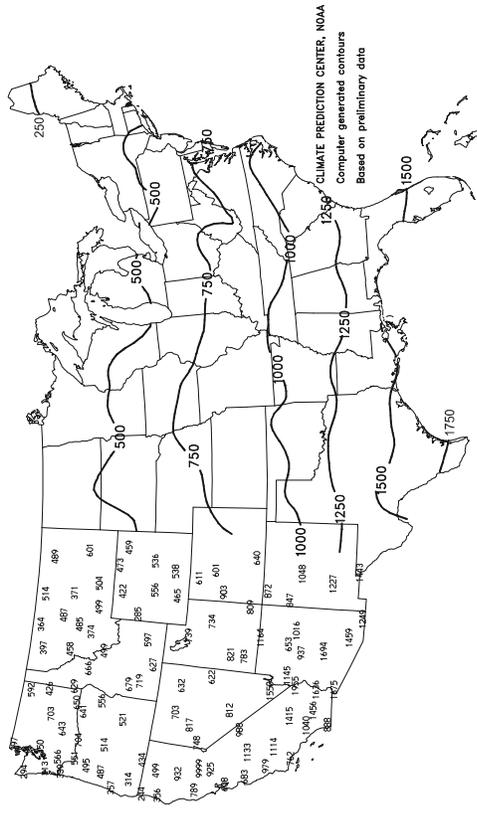
### Record-High May Temperatures (°F), May 23-30, 2000

Location/Date	High	Previous Record/Date*
<b>May 23</b>		
Wichita Falls, TX	110	108 on May 31, 1998
Cottonwood, AZ	106	105 on May 27, 1951
Lubbock, TX	105	105 on May 19, 1996
Page, AZ	99	98 on May 12, 1959
Canyon de Chelly, AZ	97	97 on May 31, 1997
Monticello, UT	87	86 on May 27, 1974
<b>May 24</b>		
Wichita Falls, TX	110	110 on May 23, 2000
Carlsbad, NM	110	107 on May 31, 1998
San Angelo, TX	109	109 on May 29, 1927
Del Rio, TX	109	108 on May 28, 1927
Abilene, TX	109	107 on May 10, 1967
Hobbs, NM	109	107 on May 30, 1951
Lubbock, TX	109	105 on May 23, 2000
Midland, TX	108	108 on May 24, 1989
Roswell, NM	107	104 on May 21, 1989
Portales, NM	103	100 on May 26, 1953
<b>May 28</b>		
Moab, UT	103	102 on May 31, 1910
Bluff, UT	100	99 on May 27, 1974
Grand Junction, CO	96	95 on May 31, 1956
Blanding, UT	94	93 on May 31, 1997
Monticello, UT	89	87 on May 23, 2000
Alamosa, CO	86	85 on May 28, 1951
<b>May 29</b>		
Moab, UT	103	103 on May 28, 2000
Goodland, KS	103	99 on May 29, 1934
Pueblo, CO	102	99 on May 18, 1996
Burlington, CO	101	99 on May 28, 1921
Arches National Park, UT	101	99 on May 31, 1994
Grand Junction, CO	101	96 on May 28, 2000
Orchard Mesa, CO	100	93 on May 14, 1996
Hovenweep National Monument, UT	99	95 on May 27, 1958
Durango, CO	98	92 on May 27, 1974
Blanding, UT	97	94 on May 28, 2000
Rangely, CO	95	95 on May 31, 1956
Colorado Springs, CO	93	93 on May 24, 1984
Natural Bridges National Monument, UT	93	92 on May 29, 1969
Collbran, CO	92	91 on May 31, 1956
Monticello, UT	91	89 on May 28, 2000
Northdale, CO	90	89 on May 30, 1969
Alamosa, CO	89	86 on May 28, 2000
Steamboat Springs, CO	87	87 on May 27, 1964
<b>May 30</b>		
Pueblo, CO	102	102 on May 29, 2000
Bluff, UT	100	100 on May 28, 2000
Rangely, CO	95	95 on May 29, 2000
Colorado Springs, CO	94	93 on May 29, 2000
Steamboat Springs, CO	88	87 on May 29, 2000

\* In some cases, previous records were also observed on earlier occasions. Compiled from National Weather Service and Western Regional Climate Center sources.

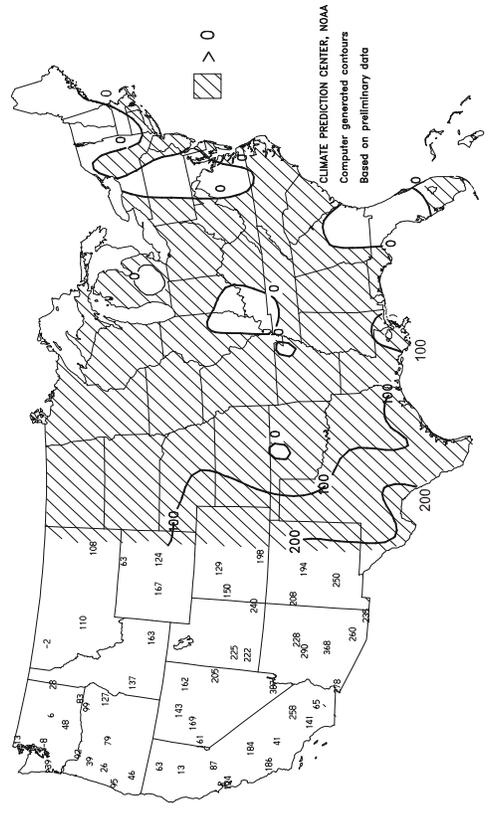
Total Growing Degree Days

APR 1 - JUN 3, 2000



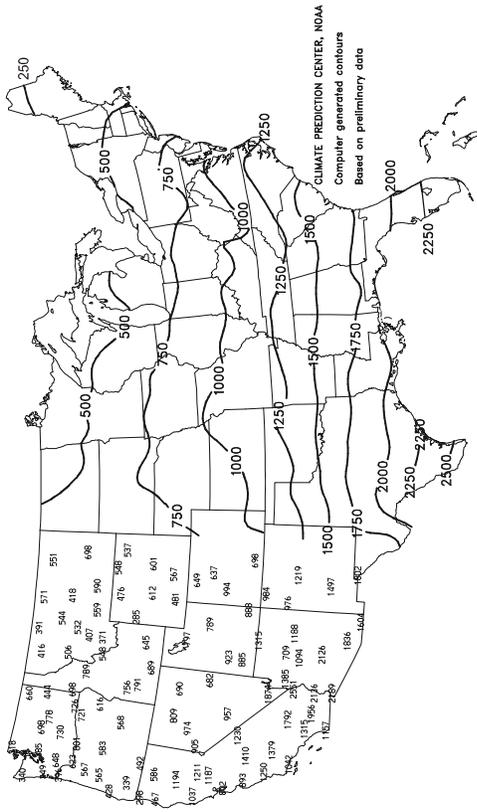
Departure From Normal Growing Degree Days

APR 1 - JUN 3, 2000



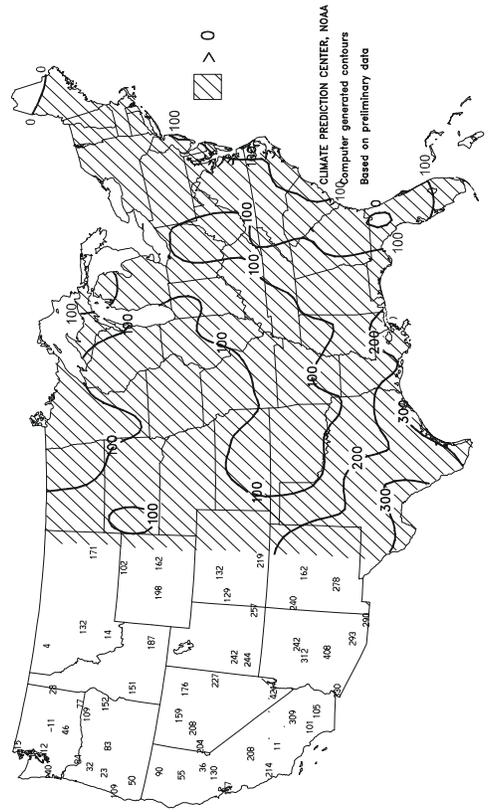
Total Growing Degree Days

MAR 1 - JUN 3, 2000



Departure From Normal Growing Degree Days

MAR 1 - JUN 3, 2000



National Weather Data for Selected Cities

Weather Data for the Week Ending June 3, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 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	86	62	92	58	74	1	0.11	-0.82	0.11	0.00	0	27.63	105	84	38	2	0	1	0
HUNTSVILLE	86	63	93	56	74	1	0.16	-0.88	0.16	0.00	0	22.30	82	89	51	2	0	1	0
MOBILE	90	67	93	63	79	1	0.82	-0.40	0.79	0.02	4	15.74	58	90	45	4	0	4	1
AK MONTGOMERY	90	63	97	58	77	1	0.43	-0.41	0.43	0.00	0	11.56	46	85	37	4	0	1	0
ANCHORAGE	59	42	63	37	50	-1	0.01	-0.20	0.01	0.00	0	3.84	102	76	57	0	0	1	0
BARROW	29	24	34	18	27	-2	0.16	0.13	0.16	0.16	160	1.00	116	94	88	0	7	1	0
FAIRBANKS	63	42	68	36	53	-3	0.06	-0.17	0.04	0.02	18	2.76	121	86	55	0	0	2	0
JUNEAU	62	39	70	35	51	0	0.51	-0.23	0.51	0.00	0	19.79	110	94	69	0	0	1	1
KODIAK	55	39	59	34	47	0	0.00	-1.25	0.00	0.00	0	23.25	84	76	56	0	0	0	0
NOME	45	36	59	32	41	-1	0.42	0.25	0.19	0.16	200	4.60	139	94	83	0	1	5	0
AZ FLAGSTAFF	82	43	86	39	63	8	0.00	-0.04	0.00	0.00	0	5.35	60	45	10	0	0	0	0
PHOENIX	106	79	110	76	92	8	0.00	-0.01	0.00	0.00	0	2.99	116	29	16	7	0	0	0
TUCSON	103	73	108	70	88	8	0.00	-0.01	0.00	0.00	0	1.22	44	30	15	7	0	0	0
YUMA	105	74	109	72	90	6	0.00	0.00	0.00	0.00	0	0.50	52	32	26	7	0	0	0
AR FORT SMITH	88	66	93	61	77	4	0.93	-0.09	0.75	0.92	224	12.88	71	94	49	5	0	3	1
CA LITTLE ROCK	87	67	92	62	77	2	0.26	-0.72	0.25	0.25	61	17.77	77	96	52	2	0	2	0
BAKERSFIELD	90	60	94	53	75	0	0.00	-0.03	0.00	0.00	0	4.51	121	54	31	5	0	0	0
FRESNO	92	60	96	57	76	3	0.00	-0.03	0.00	0.00	0	11.84	171	56	34	5	0	0	0
LOS ANGELES	73	62	76	59	67	3	0.00	0.00	0.00	0.00	0	9.82	127	94	76	0	0	0	0
REDDING	86	55	94	51	71	-1	0.00	-0.20	0.00	0.00	0	25.86	141	53	30	3	0	0	0
SACRAMENTO	85	53	89	50	69	0	0.00	-0.03	0.00	0.00	0	21.80	205	84	23	0	0	0	0
SAN DIEGO	70	62	76	62	66	1	0.00	-0.03	0.00	0.00	0	5.40	89	84	69	0	0	0	0
SAN FRANCISCO	68	51	77	49	59	-1	0.00	-0.02	0.00	0.00	0	19.31	159	86	61	0	0	0	0
STOCKTON	88	52	92	49	70	0	0.00	-0.03	0.00	0.00	0	11.43	137	71	30	4	0	0	0
CO ALAMOSA	84	39	89	37	62	7	0.01	-0.13	0.01	0.01	17	1.40	64	60	14	0	0	1	0
CO SPRINGS	84	51	94	47	67	6	0.00	-0.51	0.00	0.00	0	4.77	92	68	19	3	0	0	0
DENVER	82	50	92	43	66	4	0.00	-0.49	0.00	0.00	0	6.00	90	82	26	1	0	0	0
GRAND JUNCTION	96	61	101	53	78	10	0.00	-0.15	0.00	0.00	0	4.06	112	27	15	7	0	0	0
PUEBLO	93	53	102	46	73	7	0.01	-0.25	0.01	0.01	9	5.39	148	70	29	5	0	1	0
CT BRIDGEPORT	70	55	84	50	63	-1	0.12	-0.72	0.12	0.12	34	17.80	99	77	52	0	0	1	0
HARTFORD	75	50	90	45	62	-3	1.66	0.73	1.63	1.64	410	18.33	98	85	50	1	0	3	1
DC WASHINGTON	74	57	92	50	66	-6	0.29	-0.53	0.27	0.02	6	17.28	113	89	57	1	0	2	0
DE WILMINGTON	74	56	91	51	65	-3	0.20	-0.64	0.20	0.00	0	21.18	125	90	51	1	0	1	0
FL DAYTONA BEACH	89	68	99	63	79	2	0.27	-0.89	0.15	0.01	2	12.40	83	92	48	3	0	3	0
JACKSONVILLE	89	66	97	59	78	1	0.06	-1.05	0.04	0.04	8	9.52	54	92	43	4	0	2	0
KEY WEST	88	76	90	74	82	0	2.01	0.92	1.07	1.09	218	7.22	64	83	65	1	0	5	2
MIAMI	89	75	93	73	82	2	1.38	-0.62	0.69	0.39	42	7.67	47	89	61	3	0	4	1
ORLANDO	94	68	99	65	81	1	0.00	-1.33	0.00	0.00	0	5.26	36	89	43	6	0	0	0
PENSACOLA	91	70	95	68	81	3	0.00	-1.22	0.00	0.00	0	10.48	43	86	44	4	0	0	0
TALLAHASSEE	95	66	100	58	81	4	0.00	-1.33	0.00	0.00	0	8.44	33	82	35	5	0	0	0
TAMPA	92	73	94	70	82	2	0.00	-1.03	0.00	0.00	0	3.12	24	84	49	7	0	0	0
GA WEST PALM	89	74	96	72	82	3	1.90	0.11	1.90	0.00	0	8.25	43	84	58	2	0	1	1
ATHENS	87	62	94	56	75	2	0.02	-0.91	0.02	0.00	0	13.67	59	81	44	3	0	1	0
ATLANTA	84	63	91	58	74	1	0.19	-0.66	0.19	0.00	0	14.27	59	80	49	2	0	1	0
AUGUSTA	92	59	100	52	76	1	0.00	-0.93	0.00	0.00	0	12.06	59	75	36	4	0	0	0
COLUMBUS	89	66	96	62	78	1	0.16	-0.74	0.16	0.00	0	14.58	61	82	34	3	0	1	0
MACON	91	61	98	54	76	0	0.00	-0.81	0.00	0.00	0	11.75	55	88	34	4	0	0	0
SAVANNAH	91	64	100	58	77	0	0.00	-1.14	0.00	0.00	0	12.38	68	89	52	4	0	0	0
HI HILO	82	68	83	67	75	0	0.59	-1.00	0.24	0.01	2	33.82	56	85	75	0	0	5	0
HONOLULU	87	72	88	70	79	0	0.03	-0.14	0.02	0.01	14	2.23	21	77	69	0	0	2	0
KAHULUI	85	68	86	63	76	-1	0.00	-0.09	0.00	0.00	0	2.55	21	84	70	0	0	0	0
LIHUE	82	72	83	68	77	0	0.00	-0.53	0.00	0.00	0	6.96	34	79	72	0	0	0	0
ID BOISE	77	46	90	37	62	0	0.00	-0.22	0.00	0.00	0	7.10	114	72	33	1	0	0	0
LEWISTON	70	46	78	41	58	-5	0.57	0.25	0.33	0.00	0	6.54	112	83	56	0	0	2	0
POCATELLO	77	42	86	33	60	2	0.00	-0.28	0.00	0.00	0	5.21	88	66	32	0	0	0	0
IL CHICAGO/O'HARE	72	51	86	44	61	-3	0.68	-0.14	0.30	0.13	35	13.80	107	92	72	0	0	5	0
MOLINE	76	58	90	49	67	0	1.90	0.94	1.72	0.15	37	14.63	102	93	80	1	0	5	1
PEORIA	77	58	88	52	68	1	0.53	-0.34	0.51	0.00	0	10.83	79	90	63	0	0	2	1
ROCKFORD	73	55	87	49	64	-1	2.43	1.47	1.53	0.82	191	15.61	124	93	77	0	0	5	2
SPRINGFIELD	78	59	89	52	68	-1	0.30	-0.50	0.30	0.00	0	7.90	56	87	60	0	0	1	0
IN EVANSVILLE	81	60	90	55	71	0	0.05	-0.89	0.03	0.01	3	19.78	101	86	56	1	0	3	0
FORT WAYNE	74	53	87	47	63	-3	0.63	-0.18	0.59	0.01	3	11.58	84	95	62	0	0	3	1
INDIANAPOLIS	78	57	86	51	67	-1	0.01	-0.82	0.01	0.00	0	15.37	93	90	60	0	0	1	0
SOUTH BEND	73	51	86	43	62	-3	0.95	0.11	0.59	0.00	0	14.13	96	93	66	0	0	4	1
IA BURLINGTON	78	58	90	50	68	0	0.14	-0.76	0.11	0.03	8	10.00	77	91	55	2	0	2	0
CDAR RAPIDS	74	57	89	49	65	-1	3.00	2.02	1.90	0.66	150	11.25	96	96	67	0	0	4	2
DES MOINES	79	58	90	52	69	1	0.58	-0.38	0.44	0.02	5	8.51	72	84	67	1	0	3	0
DUBUQUE	72	56	86	50	64	0	1.27	0.29	0.80	0.07	16	12.75	92	94	74	0	0	5	1
SIoux CITY	77	54	86	47	66	-1	0.80	-0.08	0.43	0.44	116	8.16	85	87	63	0	0	4	0
WATERLOO	75	54	89	47	64	-2	3.53	2.55	2.48	0.14	33	15.45	129	94	71	0	0	5	2
KS CONCORDIA	90	59	98	51	74	5	0.05	-1.02	0.05	0.05	11	8.51	80	81	43	3	0	1	0
DODGE CITY	89	62	98	55	75	5	0.00	-0.72	0.00	0.00	0	9.51	118	73	37	5	0	0	0
GOODLAND	87	54	103	46	71	6	0.01	-0.81	0.01	0.00	0	5.04	71	79	34	3	0	1	0
TOPEKA	88	63	94	52	75	5	1.12	-0.13	1.11	1.12	200	9.08	72	83	50	4	0	2	1

Weather Data for the Week Ending June 3, 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 Jan 1	PCT. NORMAL SINCE Jan 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	89	64	95	56	76	5	0.84	-0.16	0.51	0.84	191	14.68	136	86	50	4	0	2	1
KY JACKSON	77	60	86	55	68	0	0.17	-0.84	0.10	0.03	7	17.43	82	97	60	0	0	3	0
KY LEXINGTON	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
KY LOUISVILLE	81	61	90	55	71	1	0.56	-0.34	0.56	0.00	0	21.99	110	84	52	1	0	1	1
LA PADUCAH	83	62	92	55	72	0	0.00	-1.02	0.00	0.00	0	25.61	114	86	48	2	0	0	0
LA BATON ROUGE	93	69	94	65	81	3	0.03	-0.96	0.03	0.03	7	9.52	37	94	39	7	0	1	0
LA LAKE CHARLES	91	72	93	71	82	4	0.00	-1.27	0.00	0.00	0	21.69	104	96	52	6	0	0	0
LA NEW ORLEANS	92	73	94	70	83	5	0.00	-1.20	0.00	0.00	0	7.67	30	81	46	6	0	0	0
LA SHREVEPORT	90	69	91	64	79	3	1.07	-0.06	1.07	1.07	228	30.31	146	92	52	5	0	1	1
ME CARIBOU	64	43	74	39	54	-3	0.41	-0.26	0.27	0.40	143	17.18	137	89	46	0	0	3	0
ME PORTLAND	68	48	81	39	58	0	0.00	-0.81	0.00	0.00	0	18.47	99	83	55	0	0	0	0
MD BALTIMORE	74	54	92	48	64	-5	0.89	0.03	0.67	0.22	59	18.09	108	92	60	1	0	2	1
MA BOSTON	70	53	88	45	61	-2	0.52	-0.21	0.52	0.52	163	17.35	96	92	61	0	0	1	1
MA WORCESTER	70	50	85	42	60	0	0.73	-0.22	0.71	0.71	178	20.61	104	95	47	0	0	3	1
MI ALPENA	66	43	75	37	55	-2	0.35	-0.33	0.34	0.35	117	11.81	114	92	51	0	0	2	0
MI GRAND RAPIDS	71	51	83	43	61	-2	1.68	0.88	0.92	0.61	169	18.33	144	91	64	0	0	4	2
MI HOUGHTON LAKE	68	47	71	40	57	-2	1.10	0.43	0.88	0.89	297	11.61	119	92	59	0	0	4	1
MI LANSING	72	52	85	43	62	0	1.13	0.36	0.65	0.48	133	14.04	128	89	63	0	0	3	1
MI MUSKEGON	69	49	79	44	59	-2	1.92	1.35	1.07	0.75	300	16.38	135	93	74	0	0	5	2
MI TRAVERSE CITY	68	45	71	37	56	-3	1.21	0.54	1.05	1.06	342	9.45	94	92	53	0	0	4	1
MN DULUTH	64	42	73	35	53	-3	0.27	-0.55	0.13	0.14	38	9.16	96	97	63	0	0	3	0
MN INT'L FALLS	67	43	73	34	55	-3	0.63	-0.15	0.37	0.56	156	6.34	91	90	45	0	0	4	0
MN MINNEAPOLIS	67	52	75	46	60	-4	1.90	1.00	1.19	0.66	165	9.42	94	-99	-99	0	0	4	2
MN ROCHESTER	68	50	79	43	59	-3	5.43	4.62	4.81	4.96	141	16.89	173	95	77	0	0	6	1
MN ST. CLOUD	67	47	76	37	57	-4	0.17	-0.79	0.11	0.12	27	7.44	85	92	50	0	0	5	0
MS JACKSON	90	64	95	59	77	1	0.21	-0.66	0.21	0.00	0	18.07	68	94	45	4	0	1	0
MS MERIDIAN	89	62	93	57	76	1	0.08	-0.77	0.08	0.00	0	16.21	59	92	47	3	0	1	0
MS TUPELO	88	63	93	58	76	2	0.08	-1.00	0.05	0.00	0	21.51	79	88	48	3	0	2	0
MO COLUMBIA	83	60	89	51	71	3	0.01	-1.10	0.01	0.00	0	12.94	82	91	55	0	0	1	0
MO KANSAS CITY	85	62	91	54	73	4	1.26	0.09	1.22	1.26	252	12.06	90	87	54	3	0	2	1
MO SAINT LOUIS	80	64	91	58	72	1	0.00	-0.89	0.00	0.00	0	13.90	90	84	65	2	0	0	0
MO SPRINGFIELD	83	62	88	56	73	4	0.26	-0.91	0.26	0.26	49	10.55	62	87	60	0	0	1	0
MT BILLINGS	66	44	83	37	55	-5	0.26	-0.31	0.26	0.00	0	6.86	94	79	41	0	0	1	0
MT BUTTE	64	37	80	28	51	-1	0.38	-0.13	0.19	0.00	0	3.94	84	94	31	0	1	4	0
MT GLASGOW	64	45	76	38	55	-5	1.82	1.34	0.96	0.86	410	5.25	141	84	55	0	0	3	2
MT GREAT FALLS	61	39	71	32	50	-8	1.67	1.05	1.31	0.00	0	4.18	62	91	43	0	1	3	1
MT KALISPELL	65	37	74	28	51	-4	0.11	-0.42	0.11	0.00	0	4.58	67	87	44	0	1	1	0
MT MILES CITY	70	48	80	39	59	-3	0.65	0.02	0.56	0.00	0	5.60	101	85	36	0	0	2	1
MT MISSOULA	67	40	81	38	54	-2	0.83	0.37	0.70	0.01	5	4.97	84	86	44	0	0	3	1
NE GRAND ISLAND	83	54	96	44	68	1	0.22	-0.73	0.21	0.00	0	6.71	68	92	62	1	0	2	0
NE LINCOLN	88	58	98	46	73	5	0.00	-0.95	0.00	0.00	0	6.21	60	81	48	3	0	0	0
NE NORFOLK	78	54	90	45	66	0	0.60	-0.41	0.32	0.25	56	6.42	67	89	69	1	0	6	0
NE NORTH PLATTE	81	49	95	40	65	2	0.09	-0.72	0.05	0.00	0	4.85	63	91	41	3	0	3	0
NE OMAHA	85	57	95	49	71	3	0.16	-0.85	0.08	0.00	0	8.47	76	87	68	3	0	2	0
NE SCOTTSBLUFF	82	49	96	43	66	4	0.06	-0.60	0.06	0.00	0	6.53	98	85	42	3	0	1	0
NE VALENTINE	73	49	91	35	61	-2	0.32	-0.39	0.22	0.07	23	8.48	123	92	61	1	0	4	0
NV ELY	83	39	87	32	61	6	0.00	-0.24	0.00	0.00	0	5.63	123	54	18	0	1	0	0
NV LAS VEGAS	103	78	108	70	90	10	0.00	-0.04	0.00	0.00	0	1.81	96	17	14	7	0	0	0
NV RENO	83	47	92	43	65	4	0.00	-0.15	0.00	0.00	0	4.07	104	38	16	1	0	0	0
NV WINNEMUCCA	81	37	90	29	59	-1	0.00	-0.21	0.00	0.00	0	6.21	159	56	22	1	2	0	0
NH CONCORD	75	47	87	41	62	2	0.09	-0.64	0.09	0.09	28	17.15	121	92	40	0	0	1	0
NJ NEWARK	75	57	93	53	66	-2	0.16	-0.65	0.16	0.16	48	17.75	95	74	54	1	0	1	0
NM ALBUQUERQUE	93	63	97	58	78	8	0.16	0.05	0.16	0.16	320	2.11	84	45	18	5	0	1	0
NY ALBANY	73	52	84	46	62	-1	0.80	-0.03	0.80	0.80	216	20.05	140	86	48	0	0	1	1
NY BINGHAMTON	70	49	81	44	60	-1	0.01	-0.80	0.01	0.01	3	23.08	160	82	55	0	0	1	0
NY BUFFALO	71	52	77	44	62	0	0.08	-0.72	0.08	0.08	23	15.33	109	84	51	0	0	1	0
NY ROCHESTER	72	52	80	46	62	0	0.31	-0.36	0.28	0.29	97	14.59	121	80	53	0	0	3	0
NY SYRACUSE	73	50	83	45	61	-1	0.50	-0.31	0.48	0.48	133	16.88	119	87	52	0	0	2	0
NC ASHEVILLE	81	56	86	50	69	2	0.23	-0.79	0.20	0.20	47	15.83	79	93	52	0	0	2	0
NC CHARLOTTE	85	57	95	48	71	-1	0.28	-0.56	0.14	0.13	38	17.03	90	94	45	3	0	3	0
NC GREENSBORO	79	58	92	48	68	-2	0.89	-0.02	0.67	0.67	176	16.04	92	90	58	1	0	3	1
NC HATTERAS	72	61	81	51	67	-4	0.38	-0.56	0.24	0.02	5	19.81	92	96	77	0	0	3	0
NC RALEIGH	81	57	98	50	69	-2	0.57	-0.34	0.40	0.40	105	16.31	91	95	59	3	0	2	0
NC WILMINGTON	83	62	93	54	73	-1	0.40	-0.79	0.39	0.01	2	16.94	88	92	57	3	0	2	0
ND BISMARCK	66	46	76	36	56	-4	0.88	0.29	0.59	0.71	263	8.35	145	94	63	0	0	4	1
ND DICKINSON	63	36	74	23	49	-10	1.00	0.28	0.48	0.51	155	5.88	95	96	48	0	2	4	0
ND FARGO	65	46	72	40	56	-6	1.18	0.56	0.45	0.28	104	7.39	110	91	56	0	0	5	0
ND GRAND FORKS	65	41	75	33	53	-8	0.10	-0.49	0.06	0.08	31	4.34	75	90	38	0	0	4	0
ND JAMESTOWN	65	46	74	42	55	-6	0.97	0.40	0.27	0.41	152	7.64	135	95	50	0	0	5	0
ND WILLISTON	65	43	78	30	54	-7	1.10	0.59	0.55	0.55	250	6.18	120	84	50	0	1	3	1
OH AKRON-CANTON	72	53	84	46	63	-1	1.46	0.68	1.40	0.00	0	18.66	125	88	72	0	0	2	1
OH CINCINNATI	77	56	88	50	67	0	0.37	-0.56	0.30	0.01	3	22.99	128	91	63	0	0	3	0
OH CLEVELAND	72	54	85	45	63	-1	1.80	0.96	1.80	0.00	0	15.42	109	88	64	0	0	1	1
OH COLUMBUS	77	57	89	52	67	1	2.71	1.78	2.67	0.03	8	18.57	122	84	62	0	0	3	1
OH DAYTON	77	55	87	50	66	-1	0.36	-0.54	0.32	0.32	82	15.05	97	91	61	0	0	2	0
OH MANSFIELD	72	53	85	46	63	-1	1.57	0.61	1.56	0.00	0	17.27	110	93	64	0	0	2	1

Based on 1961-90 normals

\*\*\* Not Available

Weather Data for the Week Ending June 3, 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 Jan 1	PCT. NORMAL SINCE Jan 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	74	54	87	45	64	0	1.37	0.59	1.37	0.00	0	14.97	121	90	68	0	0	1	1
OK YOUNGSTOWN	72	50	84	42	61	-2	0.80	-0.07	0.44	0.04	11	14.65	103	88	67	0	0	3	0
OK OKLAHOMA CITY	89	67	96	59	78	5	1.72	0.52	1.54	1.72	344	13.59	98	89	48	4	0	2	1
OK TULSA	87	69	93	60	78	4	0.29	-0.94	0.26	0.29	57	15.95	95	85	56	4	0	2	0
OR ASTORIA	63	46	74	41	55	0	0.49	-0.14	0.27	0.00	0	30.20	93	92	71	0	0	4	0
OR BURNS	70	35	83	24	53	-1	0.00	-0.22	0.00	0.00	0	5.51	123	76	37	0	2	0	0
OR EUGENE	69	44	82	39	57	-2	0.29	-0.13	0.20	0.00	0	26.97	110	94	69	0	0	4	0
OR MEDFORD	77	47	91	36	62	0	0.07	-0.12	0.04	0.00	0	13.62	157	78	30	1	0	2	0
OR PENDLETON	69	46	78	40	57	-5	0.68	0.49	0.43	0.00	0	9.61	162	79	53	0	0	2	0
OR PORTLAND	69	49	85	44	59	-2	0.34	-0.09	0.21	0.00	0	17.90	103	88	61	0	0	4	0
OR SALEM	70	47	84	42	58	0	0.22	-0.17	0.12	0.00	0	19.81	104	91	64	0	0	4	0
PA ALLENTOWN	72	51	89	45	62	-4	0.01	-0.91	0.01	0.01	3	18.79	107	84	56	0	0	1	0
PA ERIE	71	54	85	46	63	1	0.02	-0.88	0.01	0.01	3	15.86	109	82	60	0	0	2	0
PA MIDDLETOWN	75	55	91	48	65	-2	0.10	-0.86	0.10	0.00	0	17.06	101	93	54	1	0	1	0
PA PHILADELPHIA	76	55	94	50	65	-3	0.04	-0.81	0.04	0.00	0	17.72	103	82	52	1	0	1	0
PA PITTSBURGH	73	53	85	46	63	-1	2.43	1.58	2.03	0.39	105	15.72	102	89	57	0	0	3	1
PA WILKES-BARRE	74	48	88	40	61	-3	0.07	-0.83	0.07	0.07	18	13.16	95	92	48	0	0	1	0
PA WILLIAMSPORT	75	52	91	46	63	-1	0.33	-0.64	0.33	0.33	77	18.05	113	89	55	1	0	1	0
RI PROVIDENCE	71	51	86	45	61	-2	0.61	-0.20	0.61	0.61	174	21.69	110	85	58	0	0	1	1
SC BEAUFORT	89	65	98	57	77	1	0.63	-0.57	0.61	0.00	0	10.27	56	92	38	4	0	1	1
SC CHARLESTON	89	64	100	56	77	1	0.28	-0.97	0.28	0.00	0	12.06	66	90	47	4	0	1	0
SC COLUMBIA	90	62	101	56	76	1	0.00	-0.98	0.00	0.00	0	16.32	79	70	36	4	0	0	0
SC GREENVILLE	86	60	97	52	73	1	0.07	-1.02	0.07	0.00	0	16.83	74	78	43	3	0	1	0
SD ABERDEEN	70	49	80	38	59	-3	0.99	0.32	0.52	0.64	213	8.21	120	92	57	0	0	4	1
SD HURON	72	49	79	37	61	-2	1.95	1.20	0.70	0.93	282	9.10	113	96	55	0	0	5	2
SD RAPID CITY	69	45	78	34	57	-3	0.08	-0.63	0.07	0.00	0	10.14	148	87	56	0	0	2	0
SD SIOUX FALLS	71	50	77	44	61	-3	0.33	-0.45	0.16	0.10	29	10.56	122	89	65	0	0	4	0
TN BRISTOL	79	57	86	52	68	0	0.85	0.02	0.63	0.22	65	16.29	91	97	54	0	0	2	1
TN CHATTANOOGA	85	62	92	57	74	2	0.05	-0.81	0.04	0.04	11	22.10	89	86	53	3	0	2	0
TN KNOXVILLE	81	62	87	57	72	2	0.16	-0.76	0.10	0.06	15	25.60	119	94	58	0	0	2	0
TN MEMPHIS	88	68	93	61	78	2	0.00	-0.95	0.00	0.00	0	19.16	79	78	44	3	0	0	0
TN NASHVILLE	82	62	88	54	72	0	0.00	-0.96	0.00	0.00	0	24.50	112	87	51	0	0	0	0
TX ABILENE	90	69	97	67	80	3	1.97	1.25	1.52	1.97	635	6.70	77	79	46	5	0	2	1
TX AMARILLO	86	62	98	54	74	4	2.18	1.39	1.02	2.18	606	8.17	138	76	41	3	0	3	2
TX AUSTIN	93	69	94	66	81	2	0.00	-1.07	0.00	0.00	0	12.31	91	93	51	7	0	0	0
TX BEAUMONT	90	72	91	71	81	3	0.00	-1.36	0.00	0.00	0	23.03	109	97	57	5	0	0	0
TX BROWNSVILLE	94	76	95	73	85	3	0.00	-0.72	0.00	0.00	0	5.90	74	92	51	7	0	0	0
TX CORPUS CHRISTI	90	73	91	71	81	1	1.19	0.35	0.59	0.59	159	11.21	112	99	68	4	0	3	2
TX DEL RIO	94	74	101	69	84	4	0.12	-0.36	0.08	0.12	57	3.32	52	83	54	6	0	2	0
TX EL PASO	94	69	100	63	82	5	0.89	0.81	0.53	0.89	222	1.26	79	56	23	6	0	2	1
TX FORT WORTH	91	73	95	68	82	5	0.79	-0.15	0.79	0.79	214	13.42	86	83	46	6	0	1	1
TX GALVESTON	87	78	88	77	83	4	0.00	-0.97	0.00	0.00	0	12.23	86	86	66	0	0	0	0
TX HOUSTON	92	71	93	68	81	3	0.18	-1.08	0.17	0.01	2	22.80	126	96	60	6	0	2	0
TX LUBBOCK	88	65	97	60	76	2	3.62	2.99	3.51	3.62	134	8.90	160	75	45	4	0	2	1
TX MIDLAND	89	69	96	64	79	2	0.80	0.37	0.76	0.80	471	3.41	74	79	44	4	0	2	1
TX SAN ANGELO	92	70	98	64	81	4	0.92	0.24	0.48	0.92	329	4.78	62	82	45	5	0	2	0
TX SAN ANTONIO	92	73	94	66	82	3	0.08	-0.92	0.08	0.00	0	9.32	76	93	46	6	0	1	0
TX VICTORIA	92	72	94	70	82	2	1.83	0.66	1.62	0.00	0	17.42	133	10	61	6	0	3	1
TX WACO	91	71	93	64	81	3	1.11	0.15	1.10	1.10	275	17.06	120	95	61	5	0	2	1
TX WICHITA FALLS	93	70	100	63	81	5	1.29	0.34	0.93	1.29	315	9.87	81	85	51	5	0	2	1
UT SALT LAKE CITY	82	54	89	44	68	4	0.00	-0.30	0.00	0.00	0	7.19	87	56	24	0	0	0	0
VT BURLINGTON	72	51	79	44	61	0	0.02	-0.74	0.02	0.02	6	17.07	144	80	42	0	0	1	0
VA LYNCHBURG	75	53	90	41	64	-4	0.23	-0.61	0.13	0.06	17	12.88	77	96	62	1	0	4	0
VA NORFOLK	74	60	93	55	67	-4	1.81	0.94	1.41	0.00	0	16.35	90	93	68	1	0	3	1
VA RICHMOND	74	56	92	49	65	-6	0.60	-0.23	0.40	0.00	0	17.07	100	92	67	1	0	2	0
VA ROANOKE	76	55	90	44	66	-2	1.29	0.47	0.96	0.03	9	15.03	90	88	57	1	0	3	1
VA WASH/DULLES	74	50	91	39	62	-5	0.36	-0.59	0.22	0.26	63	14.23	88	95	64	1	0	3	0
WA OLYMPIA	66	44	81	39	55	-1	0.29	-0.14	0.24	0.00	0	24.77	102	91	67	0	0	3	0
WA QUILLAYUTE	64	41	75	36	52	-1	0.27	-0.67	0.27	0.00	0	50.45	98	98	73	0	0	1	0
WA SEATTLE-TACOMA	64	49	79	48	56	-2	0.26	-0.11	0.09	0.00	0	16.59	97	91	73	0	0	4	0
WA SPOKANE	67	41	73	39	54	-4	0.94	0.61	0.53	0.00	0	9.50	124	87	43	0	0	2	1
WA YAKIMA	71	43	82	38	57	-4	0.48	0.35	0.32	0.00	0	4.55	125	76	40	0	0	4	0
WV BECKLEY	73	53	80	47	63	0	0.46	-0.42	0.19	0.17	46	15.31	90	93	68	0	0	4	0
WV CHARLESTON	78	58	86	51	68	0	0.46	-0.37	0.19	0.17	50	17.92	104	98	59	0	0	3	0
WV ELKINS	75	48	83	38	62	0	1.15	0.15	0.83	0.28	64	17.78	97	99	55	0	0	5	1
WV HUNTINGTON	77	60	87	55	68	0	0.88	0.01	0.45	0.30	86	17.98	103	97	59	0	0	4	0
WI EAU CLAIRE	71	49	78	43	60	-3	3.24	2.29	2.46	2.46	600	12.29	118	98	50	0	0	3	2
WI GREEN BAY	67	47	69	40	57	-4	1.90	1.16	1.26	1.28	388	10.73	110	98	65	0	0	5	1
WI LA CROSSE	72	53	82	45	63	-2	2.63	1.79	0.87	0.78	205	11.74	114	96	60	0	0	4	3
WI MADISON	70	52	85	41	61	-1	6.96	6.16	3.48	3.56	989	20.34	190	97	82	0	0	5	3
WI MILWAUKEE	66	47	85	40	57	-3	2.43	1.75	1.00	1.00	323	17.56	142	96	86	0	0	4	3
WY CASPER	78	44	87	33	61	3	0.01	-0.41	0.01	0.00	0	6.11	103	84	40	0	0	1	0
WY CHEYENNE	77	47	91	38	62	5	0.04	-0.50	0.04	0.00	0	4.38	76	77	40	1	0	1	0
WY LANDER	79	47	85	37	63	5	0.00	-0.45	0.00	0.00	0	4.45	66	70	34	0	0	0	0
WY SHERIDAN	67	43	78	35	55	-3	0.18	-0.41	0.18	0.00	0	8.03	120	86	58	0	0	1	0

Based on 1961-90 normals

\*\*\* Not Available

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

# National Agricultural Summary

May 29 - June 4, 2000

## HIGHLIGHTS

**Heavy rain saturated soils and left standing water on many fields in Wisconsin. Severe weather also moved across central and eastern Iowa, but most of the precipitation was beneficial for crop development. Light and moderate showers maintained moisture levels in the eastern Corn Belt, including a substantial area of surplus moisture in Ohio. However, moisture shortages remained in some areas of the western Corn Belt. Scattered heavy rainfall hampered fieldwork in parts of the southern**

**Great Plains and along the Coastal Plains in North Carolina and Virginia. Hot, dry weather stressed crops in the Southeast and lower Mississippi Valley. Warm weather accelerated crop development in the central Great Plains, but moisture levels diminished. In the northern Great Plains, moisture supplies remained mostly adequate, while light showers aided crops in the northern High Plains. Warm, dry weather prevailed in the Southwest.**

**Winter Wheat:** Ninety-three percent of the crop was at the heading stage or beyond, and 8 percent was harvested. Acreage headed or beyond remained 1 week ahead of this date last year and more than 1 week ahead of the 84-percent average for this date. Above-normal temperatures accelerated ripening in the central and southern Great Plains. Wheat headed advanced more than 30 percentage points in Oregon, Montana, and South Dakota and steadily advanced in Idaho and Washington, despite cooler-than-normal weather. In the Corn Belt, soft red winter wheat rapidly progressed to the heading stage in Michigan. Most remaining hard red winter wheat in Nebraska and Colorado progressed to the heading stage. The harvest pace was also ahead of last year and the average for this date. In the southern Great Plains, harvest advanced to more than one-fourth complete in Texas and Oklahoma before late-week rains interrupted progress in many areas. Harvest also rapidly advanced with few rain delays in Arkansas. In California, warm weather quickly ripened wheat fields and harvest accelerated due to dry weather. Conditions deteriorated in North Carolina due to heavy rain, standing water, and strong winds. Increasing moisture shortages stressed some fields in Oregon.

**Corn:** Ninety-seven percent of the crop was emerged, more than 1 week ahead of last year's 88-percent pace. Warm weather and adequate topsoil moisture supplies promoted emergence in Colorado, Pennsylvania, and South Dakota. Emergence was delayed in Michigan due to slow planting the previous week. In Wisconsin, germination and emergence were hindered by heavy rainfall and saturated soils. Warm weather and adequate topsoil moisture aided germination in Indiana, North Dakota, Ohio, and Tennessee, where most remaining corn fields emerged. Rain improved moisture supplies and benefited crop development in many areas of the Corn Belt, although parts of the western Corn Belt remained too dry. Meanwhile, conditions deteriorated in parts of the northern and eastern Corn Belt due to excessive soil moisture supplies. Hot, dry weather stressed corn fields in the southern High Plains, where growth was accelerating. A few fields entered the reproductive stage in Oklahoma and nearly half of the Texas acreage was silking.

**Soybeans:** Ninety percent of the acreage was planted, nearly 2 weeks ahead of last year and more than 2 weeks ahead of the 5-year average for this date. Planting was active in Arkansas, Kentucky, Michigan, and Tennessee, as rain delays were minimal. Wet weather limited planting in parts of Illinois, Ohio, and most of Wisconsin. Mostly dry weather aided progress in the western Corn Belt and Great Plains, where nearly all remaining soybean fields were planted by the end of the week. In North Carolina, planting advanced to 50 percent complete, despite heavy rainfall along the Coastal Plains. Emergence, at 80 percent, was far ahead of last year's 54-percent pace. Warm weather and adequate moisture promoted rapid emergence in most areas of the Corn Belt and northern Great Plains. Emergence advanced 20 or more percentage points in Nebraska, North Dakota, and South Dakota. Warm weather also stimulated crop emergence in the Mississippi Delta States, especially in Louisiana,

although moisture supplies diminished. Heavy rain and standing water damaged soybean fields in Wisconsin, while increasing moisture shortages stressed fields in Nebraska.

**Small grains:** Spring wheat and barley were 98 and 97 percent emerged, respectively. Normally 78 percent of the spring wheat and 79 percent of the barley are emerged by this date. Moderate showers aided emergence in Montana, where most remaining spring wheat and barley fields sprouted. The improved moisture supplies also stimulated growth of emerged barley and spring wheat fields in Montana. In the Pacific Northwest, development continued even though cooler-than-normal weather prevailed. Five percent of the oat acreage was headed, compared with last year and the average pace of 3 percent. Development was well ahead of normal in Nebraska and Ohio, where acreage headed was 37 and 23 percent, respectively. Development slightly lagged in Pennsylvania and Wisconsin.

**Cotton:** Planting was 88 percent complete, slightly behind last year's pace, but 2 percentage points ahead of the 5-year average. Growers finished planting cotton in Tennessee and Louisiana, while planting steadily advanced in Georgia, Oklahoma, Texas, and South Carolina. Cotton squaring was at 11 percent, equal to the 5-year average and slightly ahead of this date last year. Development was most advanced in Arizona and California, where acreage squaring was 28 and 20 percent, respectively. Acreage squaring accelerated in the lower Mississippi Valley due to warm weather. Increasing moisture shortages stressed cotton plants in most areas of the Southeast and lower Mississippi Valley. In North Carolina, heavy rain damaged cotton fields along the Coastal Plains. Moisture shortages stressed cotton fields in parts of the southern High Plains, while rain provided adequate moisture in eastern Oklahoma and scattered parts of northern Texas.

**Rice:** Ninety-four percent of the crop was emerged, slightly behind last year's 95-percent pace, but ahead of the 90-percent average for this date. Emergence advanced 35 percentage points in California and was well ahead of normal, while progress continued to lag in Mississippi.

**Sorghum:** Seventy-five percent of the sorghum acreage was planted, more than 1 week ahead of last year's 54-percent pace and 17 percentage points ahead of the 5-year average. Planting was active in the central Great Plains and Corn Belt, and accelerated in the southern High Plains. Planting advanced 22 points in New Mexico, even though soil moisture shortages increased.

**Other crops:** Ninety-three percent of the peanut acreage was planted, equal to last year's pace, and 7 percentage points ahead of the 5-year average. Planting lagged in Florida due to moisture shortages, while rain delayed planting in North Carolina and Virginia. Seventy percent of the sunflower acreage was planted. In the northern Great Plains, progress was well ahead of last year and the 5-year average.

# Crop Progress and Condition

## Week Ending June 4, 2000

Soybeans Percent Planted				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	58	48	57	56
IL	98	97	87	61
IN	94	87	95	65
IA	100	98	88	80
KS	86	82	44	53
KY	63	49	70	39
LA	92	88	90	81
MI	58	42	85	72
MN	98	95	88	86
MS	91	85	89	85
MO	85	80	60	50
NE	99	95	84	72
NC	50	38	49	47
ND	98	95	64	72
OH	86	82	99	69
SD	94	86	69	60
TN	45	31	60	41
WI	89	85	85	80
18 Sts	90	85	80	67

These 18 States planted 95% of last year's soybean acreage.

Soybeans Percent Emerged				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	42	32	42	42
IL	89	78	62	NA
IN	86	69	79	NA
IA	95	87	52	49
KS	75	62	27	NA
KY	53	40	58	16
LA	89	72	72	72
MI	42	33	63	43
MN	92	82	53	54
MS	83	77	81	76
MO	77	66	35	NA
NE	92	71	41	43
NC	35	25	34	NA
ND	83	56	33	38
OH	74	62	89	49
SD	70	50	32	NA
TN	35	20	39	NA
WI	78	59	53	NA
18 Sts	80	67	54	NA

These 18 States planted 95% of last year's soybean acreage.

Winter Wheat Percent Harvested				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	19	NA	7	8
CA	10	NA	14	7
CO	0	NA	0	0
ID	0	NA	0	0
IL	0	NA	0	0
IN	0	NA	0	0
KS	0	NA	0	0
MI	0	NA	0	0
MO	8	NA	1	0
MT	0	NA	0	0
NE	0	NA	0	0
NC	10	NA	19	14
OH	0	NA	0	0
OK	27	NA	6	8
OR	0	NA	0	0
SD	0	NA	0	0
TX	27	NA	16	14
WA	0	NA	0	0
18 Sts	8	NA	3	3

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

Cotton Percent Planted				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AL	99	93	94	97
AZ	100	100	98	99
AR	99	94	100	100
CA	100	100	100	99
GA	90	81	91	92
LA	100	98	100	100
MS	99	97	99	99
MO	100	100	100	99
NC	98	93	95	98
OK	88	79	72	68
SC	87	80	96	97
TN	100	90	100	100
TX	76	65	80	71
VA	99	98	100	100
14 Sts	88	81	89	86

These 14 States planted 99% of last year's cotton acreage.

Oats Percent Headed				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
IA	3	NA	0	3
MN	0	NA	0	0
NE	37	NA	9	7
ND	0	NA	0	0
OH	23	NA	36	13
PA	4	NA	8	7
SD	5	NA	4	3
WI	1	NA	0	3
8 Sts	5	NA	3	3

These 8 States planted 52% of last year's oat acreage.

Rice Percent Emerged				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	92	86	94	93
CA	95	60	94	67
LA	99	98	98	98
MS	91	83	98	98
TX	100	98	95	92
5 Sts	94	85	95	90

These 5 States planted 95% of last year's rice acreage.

Barley Percent Emerged				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
ID	100	100	82	88
MN	99	98	68	70
MT	96	85	78	82
ND	96	87	59	66
WA	100	100	100	97
5 Sts	97	91	75	79

These 5 States planted 78% of last year's barley acreage.

# Crop Progress and Condition

## Week Ending June 4, 2000

Peanuts Percent Planted				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AL	99	95	100	99
FL	83	72	100	95
GA	96	90	96	97
NC	99	90	95	95
OK	95	80	90	75
TX	87	76	83	56
VA	94	90	100	99
7 Sts	93	86	93	86
These 7 States planted 98% of last year's peanut acreage.				

Spring Wheat Percent Emerged				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
ID	100	100	93	94
MN	99	98	81	73
MT	98	84	78	85
ND	96	90	66	67
SD	100	99	96	91
WA	100	100	97	98
6 Sts	98	91	77	78
These 6 States planted 98% of last year's spring wheat acreage.				

Sunflowers Percent Planted				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
CO	16	8	NA	NA
KS	52	32	42	NA
ND	87	69	49	59
SD	59	41	43	36
4 Sts	70	52	42	NA
These 4 States planted 57% of last year's sunflower acreage.				

Cotton Percent Squaring				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AL	6	1	5	6
AZ	28	12	16	33
AR	0	0	3	5
CA	20	5	24	10
GA	14	5	11	14
LA	16	4	10	10
MS	13	2	8	17
MO	10	2	0	1
NC	2	0	7	3
OK	0	0	0	0
SC	8	0	7	8
TN	8	0	7	4
TX	12	10	11	13
VA	0	0	0	0
14 Sts	11	6	10	11
These 14 States planted 99% of last year's cotton acreage.				

Sorghum Percent Planted				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	92	91	95	96
CO	33	29	68	45
IL	85	74	63	41
KS	75	59	44	45
LA	96	95	97	95
MO	94	87	54	60
NE	93	81	55	60
NM	29	7	28	34
OK	52	47	30	30
SD	54	49	26	33
TX	78	70	65	75
11 Sts	75	64	54	58
These 11 States planted 98% of last year's sorghum acreage.				

Winter Wheat Percent Headed				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	100	100	99	99
CO	98	88	80	80
ID	31	15	6	15
IL	99	99	98	93
IN	100	99	99	85
KS	100	100	100	99
MI	79	50	80	37
MO	100	99	99	95
MT	33	0	8	10
NE	98	83	77	63
NC	100	100	100	100
OH	100	99	100	69
OK	100	100	100	100
OR	76	40	49	66
SD	69	37	24	14
TX	100	99	99	98
WA	60	45	44	57
18 Sts	93	87	87	84
These 18 States planted 90% of last year's winter wheat acreage.				

Corn Percent Emerged				
	Jun 4 2000	Prev Week	Prev Year	5-Yr Avg
CO	92	75	81	83
IL	99	97	90	NA
IN	98	92	97	NA
IA	100	99	90	87
KS	96	94	87	NA
KY	97	95	93	85
MI	75	72	84	68
MN	99	97	92	85
MO	100	100	77	NA
NE	99	96	89	83
NC	98	97	96	NA
ND	96	90	50	58
OH	97	90	98	72
PA	85	72	84	NA
SD	92	81	64	NA
TN	99	94	99	NA
TX	99	96	96	NA
WI	94	84	82	NA
18 Sts	97	93	88	NA
These 18 States planted 92% of last year's corn acreage.				

# Crop Progress and Condition

## Week Ending June 4, 2000

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	7	27	49	15
CA	0	0	25	50	25
CO	8	10	30	43	9
ID	0	1	8	72	19
IL	2	6	22	54	16
IN	0	4	16	55	25
KS	7	16	40	33	4
MI	1	1	12	59	27
MO	2	7	26	55	10
MT	14	27	37	19	3
NE	11	19	33	33	4
NC	1	6	29	60	4
OH	0	1	11	51	37
OK	1	8	32	52	7
OR	0	0	36	51	13
SD	0	2	18	53	27
TX	20	39	28	12	1
WA	0	3	13	65	19
18 Sts	7	15	30	39	9
Prev Wk	8	14	28	40	10
Prev Yr	2	7	24	53	14

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	1	18	60	20
IL	0	2	19	58	21
IN	0	2	16	61	21
IA	1	5	27	51	16
KS	1	4	32	59	4
KY	0	3	14	60	23
MI	3	6	29	56	6
MN	1	4	25	57	13
MO	1	9	38	46	6
NE	1	6	34	45	14
NC	1	5	27	60	7
ND	1	1	12	76	10
OH	0	2	16	58	24
PA	0	1	9	69	21
SD	1	2	11	68	18
TN	2	3	15	52	28
TX	0	3	31	58	8
WI	2	7	25	51	15
18 Sts	1	4	24	55	16
Prev Wk	1	5	24	55	15
Prev Yr	1	3	20	57	19

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	2	10	23	49	16
MN	0	1	18	62	19
NE	6	13	40	38	3
ND	0	1	17	68	14
OH	0	3	20	63	14
PA	0	1	21	62	16
SD	0	1	11	71	17
WI	0	2	19	61	18
8 Sts	1	3	19	61	16
Prev Wk	0	2	19	64	15
Prev Yr	0	3	20	60	17

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	8	79	12
MN	2	4	17	51	26
MT	1	20	44	31	4
ND	2	5	13	59	21
SD	0	1	10	65	24
WA	0	2	48	48	2
6 Sts	1	8	23	52	16
Prev Wk	2	8	24	53	13
Prev Yr	1	4	22	62	11

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AR	3	5	26	56	10
IL	1	3	23	57	16
IN	1	5	27	55	12
IA	1	6	30	49	14
KS	1	2	32	61	4
KY	0	3	16	69	12
LA	2	5	31	58	4
MI	3	6	39	46	6
MN	1	4	28	56	11
MS	0	4	24	58	14
MO	2	7	45	42	4
NE	1	9	41	40	9
NC	2	6	24	64	4
ND	1	3	14	71	11
OH	1	4	25	55	15
SD	0	2	13	69	16
TN	0	0	15	56	29
WI	2	11	27	46	14
18 Sts	1	5	28	54	12
Prev Wk	1	4	29	55	11
Prev Yr	1	3	26	57	13

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	23	13	46	17	1
AZ	0	6	39	46	9
AR	3	15	35	46	1
CA	0	0	20	65	15
GA	15	26	37	21	1
LA	0	4	23	67	6
MS	0	4	24	58	14
MO	8	13	36	42	1
NC	1	10	30	55	4
OK	0	3	48	47	2
SC	3	17	41	39	0
TN	1	3	42	37	17
TX	12	17	26	35	10
VA	0	0	13	70	17
14 Sts	8	13	30	41	8
Prev Wk	7	11	28	45	9
Prev Yr	4	11	33	43	9

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	3	25	61	10
CA	0	0	40	50	10
LA	0	11	34	45	10
MS	0	2	31	55	12
TX	0	7	20	57	16
5 Sts	0	4	29	56	11
Prev Wk	0	4	29	57	10
Prev Yr	0	1	21	60	18

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	2	12	75	11
MN	0	1	20	52	27
MT	6	19	46	25	4
ND	1	3	12	63	21
WA	0	2	39	58	1
5 Sts	2	8	27	51	12
Prev Wk	2	8	27	54	9
Prev Yr	1	6	29	53	11

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 6.8. Topsoil 50% very short, 40% short, 10% adequate. Corn 98% emerged, 97% 1999, 5yr avg. not available. Corn 18% silked, 14% 1999, 14% avg. Corn 23% very poor, 19% poor, 50% fair, 8% good. Wheat 42% harvested, 28% 1999, 30% 5yr avg.; 3% very poor, 9% poor, 34% fair, 51% good, 3% excellent. Hay 1st cutting 82%, 76% 1999, 75% avg. Pasture feed 21% very poor, 23% poor, 34% fair, 21% good, 1% excellent. Livestock 2% very poor, 9% poor, 28% fair, 58% good, 3% excellent. Statewide, cotton, corn, soybeans are in mostly fair condition, although some areas are experiencing poor crop conditions due to drought. Farmers planted soybeans, sprayed cotton, cut hay.

**ALASKA:** Days suitable for fieldwork 6.7. Topsoil 25% short, 75% adequate. Subsoil moisture 20% short, 80% adequate. Barley 95% planted, 100% 1999, 100% ave. Warm, dry conditions allowed producers to make rapid progress planting small grains, potatoes. Scattered showers brought some relief from the generally dry conditions. Daytime high temperatures were mostly in the sixties, with some seventy degree temperatures reported at the end of the week. Lows were mostly in the thirties. Barley 35% emerged, 58% 1999, 85% avg. Oats 95% planted, 100% 1999, 99% avg. Oats 30% emerged, 53% 1999, 85% avg. Potatoes 80% planted, 75% 1999, 83% avg. No wind, rain damage to new plantings was reported. Winter freeze damage to grass fields, 75% none, 15% light, 10% moderate. Pasture, range, 15% poor, 30% fair, 55% good. Major farming activities for the week included: Planting potatoes, small grains, fertilizing hay fields, transplanting vegetables, equipment, fence repairs.

**ARIZONA:** Temperatures in the state were well above average for the seventh week in the past two months. Lack of winter snow, spring precipitation, high temperatures have had an adverse affect on the range, pasture feeds. While the lack of precipitation has had a minimal impact on crop production due to irrigation, high temperatures may force an early harvest of some crops.

**ARKANSAS:** Days suitable for fieldwork: 5.0. Soil moisture 9% short, 81% adequate, 10% surplus. Rice 97% planted, 99% 1999, 98% 5 yr. avg.; 92% emerged, 94% 1999, 93% 5 yr avg.; rice 1% very poor, 3% poor, 25% fair, 61% good, 10% excellent. Sorghum 92% planted, 95% 1999, 96% 5 yr. avg.; 91% emerged, 93% 1999, 92% 5 yr avg.; Sorghum 1% very poor, 2% poor, 19% fair, 73% good, 5% excellent. Cotton 99% planted, 100% 1999, 100% 5 yr avg.; 96% emerged, 96% 1999, 96% 5 yr avg.; Cotton 3% very poor, 15% poor, 35% fair 46% good, 1% excellent. Soybean 58% planted, 57% 1999, 56% 5 yr avg.; 42% emerged, 42% 1999, 42% 5 yr avg.; Soybean 3% very poor, 5% poor 26% fair, 56% good, and 10% excellent. 1% poor, 19% fair, 61% good, 10% excellent.; wheat 19% harvest, 7% 1999, 8% 5 yr avg. 2% very poor, 7% poor, 27% fair, 49% good, 15% excellent. Alfalfa Hay 1% very poor, 1% poor, 25% fair, 55% good, 18% excellent; Other Hay 2% very poor, 3% poor, 26% fair, 54% good, 15% excellent. Pasture, Range 1% very poor, 3% poor, 20% fair, 62% good, 14% excellent. Livestock good condition. Soybean, sorghum planting continued. Rice, cotton planting was near completion. Cotton, corn, sorghum were being cultivated. Wheat harvest had begun in most counties. Soybeans, rice were being sprayed with herbicides to control weeds. Some cotton fields were being sprayed for thrips. Armyworms in some corn fields required spraying. Heavy rains caused flooding bringing damage to some soybean, cotton, corn, hay, rice fields in most northeastern counties. Some farmers were replanting cotton, soybean fields due to flash flooding. Other activities included: Harvesting hay, fertilizing, liming pastures, applying weed control in pastures. Many reports are received on Friday, may not reflect conditional changes due to weekend weather. Corn emerged progress is a 2-year average instead of a 5-year average.

**CALIFORNIA:** Cotton was progressing well in the warm weather. Many cotton fields were being irrigated for the first time. Mite, weed control activities continued. A few cotton growers treated for armyworms. Wheat for silage was being cut, while wheat intended for grain continued to dry. Harvested silage fields were being replanted to grain or silage corn. Emerged fields were growing rapidly, with fertilizer applications, ample warmth. Many corn fields were sprayed for mites and weeds. Alfalfa continued to be cut, dried, baled for hay. The quality in some areas was declining. Alfalfa seed was treated to control weeds, lygus, mites, armyworms. Dry beans were still being planted and planted fields were emerging rapidly with the hot weather. Dryland oat hay was already cut, baled in most areas. Rice fields were developing. Aerial herbicide applications continued, some rice fields were treated for weeds, weevils.

Sugar beets continued to mature. Some sugar beet fields were treated for powdery mildew. Sunflowers were still being planted in a few fields. Fruit, nut growers were conducting normal late spring cultural activities including weed control, application of fungicides, irrigation of vineyards, fruit, nut trees. The cherry harvest continued. Almond growers were supporting limbs to bear the weight of the heavy nut set. Grape growers were treating vineyards for mildew, leafhoppers. Harvest of grapes for fresh consumption was active in the Coachella Valley. Perlette, Flame Seedless were the primary varieties moving. Harvest of Patterson variety apricots was active. Also active was the harvest of Crimson Lady, Crown Princess variety freestone peaches. Rose Diamond, Royal Glo nectarines, Early Queen plums were also actively harvested. Warmer temperatures have accelerated the rate of maturation. Grapefruit picking was active in the San Joaquin Valley. The harvest of southern state lemon crop was also active. Valencia oranges picking progressed in the desert areas, in the San Joaquin Valley. Picking of navel oranges was winding down; quality was still a concern. Minneola tangelos were also picked. Strawberry picking continued. Tomatoes, peppers were thriving. Most processing tomatoes were showing a good set, progressing according to schedule. A few young tomato fields exhibited some heat related damage from the earlier week when temperatures exceeded 100°. Some fields of tomatoes, melons were treated for weeds. The melon crop was looking good. Vines were growing rapidly, blooming was occurring in several fields. Sweet potato, cantaloupes, watermelons continued to be planted. Sweet corn was progressing well, early blocks were into the tassel stage. Mushroom production was down in several areas with compost problems related to the earlier week's wet weather. Ideal growing conditions boosted picking, packing of various summer vegetables such as: zucchini, yellow squash, bitter melon, cucumbers, pepper shoots, onions, garlic. Lettuce, broccoli continued to be harvested. Asparagus harvest was complete in most areas. Additional crops harvested included basil, carrots, cilantro, green onions, mustard greens, mint, parsley, sugar, snap peas, radishes, spinach, turnips. Cattle continued to be shipped from foothill pastures in central, northern state, as grass was dry in most areas. Cattle were moving to summer pastures or to market. Higher elevation summer pasture grass was growing slowly with the cool temperatures. In the northern mountains frost damaged some field crops, including hay. Irrigated valley pastures were in good condition. Breeding ewes were being grazed on fallow fields in the central valleys. Beehives were placed in seed alfalfa, melon fields.

**COLORADO:** Days suitable for fieldwork 6.6. Topsoil 16% very short, 36% short, 47% adequate, 1% surplus. Subsoil moisture 15% very short, 34% short, 50% adequate, 1% surplus. Warmer, drier weather than usual prevailed during the week, advancing winter wheat development but causing some delays in planting sorghum, sunflower crops. Spring barley 100% emerged, 99% 1999, 98% avg.; 16% headed, 14% 1999, 12% avg.; 5% poor, 17% fair, 58% good, 20% excellent. Dry onions 2% very poor, 5% poor, 19% fair, 64% good, 10% excellent. Sugar beets 98% up to stand, 91% 1999; 2% very poor, 5% poor, 18% fair, 55% good, 20% excellent. Summer potatoes 99% emerged, 84% 1999, 82% avg.; 1% very poor, 8% poor, 15% fair, 60% good, 16% excellent. Fall potatoes 48% emerged, 12% 1999, 19% avg. Dry beans 41% planted, 52% 1999, 37% avg.; 10% emerged, 16% 1999, 9% avg. Spring wheat 99% emerged, 96% 1999, 94% avg.; 11% headed, 12% 1999, 5% avg.; 1% very poor, 6% poor 19% fair, 59% good, 15% excellent. Alfalfa 37% 1<sup>st</sup> cutting, 27% 1999, 20% avg.

**DELAWARE:** Days suitable for fieldwork 4.8. Topsoil 4% short, 78% adequate, 18% surplus. Subsoil moisture 93% adequate, 7% surplus. Winter wheat 1% poor, 13% fair, 77% good, 9% excellent; 5% turned, 18% 1999, 12% avg. Barley 3% poor, 16% fair, 73% good, 8% excellent; 6% harvested, 9% 1999, 6% avg. Snap Beans 53% planted, 63% 1999, 37% avg. Sweet corn 60% planted, 74% 1999, 72% avg. Cucumbers 42% planted, 29% 1999, 32% avg. Tomatoes 85% planted, 78% 1999, 72% avg. Watermelons 65% planted, 71% 1999, 67% avg. Cantaloupes 63% planted, 72% 1999, 64% avg. Soybeans 29% planted, 29% 1999, 29% avg; 6% emerged, 24% 1999, 8% avg. Sorghum 43% planted, 32% 1999, 22% avg. Strawberries 57% harvested, 38% 1999, 43% avg. Pasture feed 15% fair, 80% good, 5% excellent. Apple 10% fair, 90% good. Peach 10% fair, 90% good. Hay supplies 28% short, 72% adequate. Percent of cutting hay crop harvest; clover, other hays, 1<sup>st</sup> cutting 68% cut, 81% 1999, 76% avg.; 2<sup>nd</sup> cutting 10% cut, 1% 1999, 5% avg. Alfalfa 1<sup>st</sup> cutting 86% cut, 75% 1999, 71% avg.; 2<sup>nd</sup> cutting 10% cut, 11% 1999, 3% avg. Activities: Warm, dry weather allowed for increased planting activity, few producers reporting army worms.

**FLORIDA:** Abundant rain fell over southeastern coast, Dade County, some southwestern localities; a few central Peninsula localities also received welcomed rains. However, hot, mostly dry conditions continued elsewhere. Homestead reported over 3.50 in. for week; Tavares, about 2.33 in.; West Palm Beach, Miami, from 1.00 to 2.00 in.; Alachua, a little over 1.00 in. Elsewhere, rain amounts from none, most stations, to traces. Temperatures averaged 1 to 4° above normal at major stations. Daytime highs mostly 80s, 90s; Tallahassee had at least one high at 100. Nighttime lows mostly 60s, 70s; Alachua, Pierson, Jacksonville had at least one low in 50s. Moisture mostly very short to short. Farmers delaying planting cotton, peanuts due to dry soil. A few farmers planting in dry soil, hoping for rain. Irrigated tobacco good condition. Corn crop burning up at rapid rate. Some irrigation systems not able to keep up with demand. Sugarcane being irrigated, in good condition. Very little haying due to lack of forage growth. Some wild fires on Peninsula due to lack of rainfall. Small grain harvest virtually complete. Peanuts 83% planted. Hot, dry conditions caused poor development of dryland watermelons with some acreage to be abandoned. Major vegetables available include: Sweet corn, peppers, watermelons, okra, potatoes, tomatoes. Dry most of week, a few scattered showers during week, good rains most citrus areas Sunday, June 4. Growers irrigating around clock. Valencia harvest slowing, some areas running out of fruit. Grapefruit harvest limited to lower east coast. Honey tangerines just about over for year. Caretakers cutting cover crops, spraying, fertilizing, hedging. Pasture feed 45% very poor, 40% poor, 15% fair. Cattle 10% very poor, 45% poor, 40% fair, 5% good. North, central: ranchers feeding supplemental hay. Panhandle: hay supplies short. North: some cattle being moved to market because of grazing/hay shortage. Central: most water holes dry, some wells going dry; pasture grass extremely short. West Central: cattle condition continues to fall off; brush fires active. Southwest: pasture feed fair.

**GEORGIA:** Days suitable for field work 6.6. Soil moisture 62% very short, 31% short, 7% adequate. Corn 33% silked, 45% 1999, 35% avg.; 7% dough, 10% 1999, 6% avg. Hay 28% very poor, 28% poor, 28% fair, 15% good, 1% excellent. Peanuts 10% very poor, 19% poor, 40% fair, 28% good, 3% excellent; 14% blooming, 15% 1999, 19% avg.; 3% pegging, 3% 1999, 3% avg. Sorghum 23% very poor, 34% poor, 33% fair, 10% good; 64% planted, 71% 1999, 70% avg. Tobacco 10% very poor, 19% poor, 40% fair, 28% good, 3% excellent. Onions 98% harvested, 95% 1999, 97% avg. Watermelons 4% very poor, 17% poor, 43% fair, 29% good, 7% excellent. Apples 8% poor, 50% fair, 33% good, 9% excellent. Peaches 6% very poor, 5% poor, 21% fair, 49% good, 19% excellent; 24% harvested, 16% 1999, 27% avg. Pecans 8% very poor, 20% poor, 42% fair, 27% good, 3% excellent. Much of the State remained dry last week despite scattered showers. Irrigation was occurring where possible. Planting progress continued to be slow due to dry soils. Rain is needed for plant development. Farmers "dusted in" cotton last week. Some producers delayed planting hoping for rain. Windy, dry conditions hindered weed control in cotton, sucker control in tobacco. Onion harvest neared completion. Some onions were culled due to sun scald. The lack of rain adversely affected apples. Pastures, hayfields continued to suffer from the dry conditions. Cattlemen continued to feed, sell cattle. Farmers hauled water for livestock. Other activities included: Harvesting wheat.

**HAWAII:** Sunny weather was favorable for most crops. Irrigated crops made good progress. Unirrigated crops, pastures were in fair to poor condition. Concern is growing about future water supplies if dry conditions persist. Banana harvesting is steady. Orchards were in mostly good condition with the advent of warmer temperatures. Harvesting is expected to increase as summer advances. Papaya harvesting also steady. Trees in good to fair condition. Disease remains a problem in certain areas. Head cabbage fields in generally good condition. Insect pressure was building due to warmer conditions. Dry onion harvesting remained active. Fields were in good condition, bulb quality was also reported good. Dry conditions were delaying the planting of sugarcane.

**IDAHO:** Days suitable for field work 6.7. Topsoil 8% very short, 21% short, 67% adequate, 4% surplus. Eastern State has experienced very dry conditions this past week and is in need of rain. Camas County experienced light frost damage to alfalfa tops. Cereal leaf beetle eggs were reported to be abundant in Boundary County, while Green peach aphids, onion bulb mites are showing up in Canyon County. Five percent of the state potato planting is 12 inches or higher. Irrigation 29% excellent, 44% good, 22% fair, 3% poor, 2% very poor. Dry peas 99% emerged, 94% 1999, 81% avg. Oats 94% planted, 92% 1999, 94% avg.; 80% emerged, 75% 1999, 81% avg. Lentils 99% emerged, 90% 1999, 79% avg. Corn 90% emerged, 72% 1999, 74% avg. Dry Beans 55 Planted, 45% 1999, 43% avg.; 14% emerged, 10% 1999, 15% avg. Potatoes 74% emerged, 33% 1999, 42% avg. Alfalfa hay 1<sup>st</sup> cutting 45% harvested, 1999 16%, avg. 18%. Winter wheat 94% jointed; 78% booted. Spring wheat 2% headed, 1% 1999, 2% avg.; 69% jointed; 32% booted. Spring barley 5% headed, 1% 1999, 3% avg.; 64% jointed; 29% booted. Activities: Finishing seeding row crops, moving cattle, sheep to summer pasture, cultivating, fertilizing, irrigating, spraying weeds, applying insecticides.

**ILLINOIS:** Days suitable for fieldwork 3.2. Topsoil 3% very short, 14% short, 67% adequate, 16% surplus. Corn height 13 in., 8 in. 1999, 6 in. avg. Oats 44% headed, 36% 1999, 20% avg.; 15% filled, 14% 1999, 4% avg.; 2% poor, 13% fair, 63% good, 22% excellent. Alfalfa 1st cut 76%, 70% 1999, 40% avg.; 2% poor, 21% fair, 58% good, 19% excellent. Red clover 57% cut, 58% 1999, 34% avg. Red clover 2% poor, 24% fair, 58% good, 16% excellent. Most of the state received at least some rain last week, with the northern districts receiving the most. Reports of crops damaged by wind, scattered hail, heavy rains were nearly statewide. The soybean crop seems to be having more problems. Fields in low lying areas where thunderstorms dumped heavy rain, along with those with hail damage or standing water damage, will need replanted. Other activities for last week included: Crop scouting, mowing ditches, between rains, cultivating, applying chemicals.

**INDIANA:** Days suitable for fieldwork 3.7. Topsoil 1% very short, 9% short, 77% adequate, 13% surplus. Subsoil 7% very short, 32% short, 58% adequate, 3% surplus. Field activities slowed again by showers, wet field conditions. Corn, soybeans making good growth. Precipitation less than an inch, most areas. Temperatures averaged 5E below normal to 3E above normal. Corn planting virtually complete, except southern areas. Soybean planting more than 3 weeks ahead of average. Replanting in some soybean fields. Insect problems, some fields. Nitrogen, post herbicide applications continued. Range, pasture 1% very poor, 4% poor, 21% fair, 56% good, 18% excellent. Transplanting of tobacco 63% complete, 53% 1999, 30% avg. First cutting alfalfa hay 55% complete, 64% 1999, 40% avg. Livestock remain in mostly good condition. Major activities: Applying anhydrous ammonia, cutting, baling hay, preparing for wheat harvest, cultivating, scouting fields, hauling manure, feeding, caring for livestock.

**IOWA:** Days suitable for field work 2.8. Topsoil 15% very short, 25% short, 50% adequate, 10% surplus. Subsoil moisture 33% very short, 38% short, 25% adequate, 4% surplus. Parts of north, central state received much needed rain, but also damaging hail. Some erosion reported. Remainder of state had spotty rains; some corn being stressed, ponds drying up, pastures turning brown, drying up. Corn 100% emerged, 90% 1999, 87% avg. Corn acreage that has been or will be 3% replanted. Corn stand 93% compared to normal. Corn height: tallest 14 inches; average 9 inches. Corn 1% very poor, 5% poor, 27% fair, 51% good, 16% excellent. Soybeans 100% planted, 88% 1999, 80% avg. Soybeans 95% emerged, 52% 1999, 49% avg. Soybean acreage that has been or will be replanted 5%. Soybean 1% very poor, 6% poor, 30% fair, 49% good, 14% excellent. Oats 3% headed, 2% very poor, 10% poor, 23% fair, 49% good, 16% excellent. Winter wheat 87% headed, 5% poor, 33% fair, 43% good, 19% excellent. Range, pasture feed 13% very poor, 25% poor, 32% fair, 23% good, 7% excellent. Alfalfa 1st cutting 58%, 29% 1999, 16% avg. Hay very 6% poor, 14% poor, 33% fair, 37% good, 10% excellent. Livestock in good condition; some muddy feedlots in north central, northeast state; across the rest of the state, pastures short, still in need of moisture.

**KANSAS:** Days suitable for fieldwork 5.7. Topsoil 10% very short, 33% short, 55% adequate, 2% surplus. Subsoil moisture 12% very short, 31% short, 57% adequate. Wheat maturing rapidly, limited harvesting in South Central State. Wheat 87% turning, 52% 1999, 40% avg.; 7% very poor, 16% poor, 40% fair, 33% good, 4% excellent. Corn 96% emerged, 87% 1999, 1% very poor, 4% poor, 32% fair, 59% good, 4% excellent. Sorghum 75% planted, 44% 1999, 45% avg.; 49% emerged, 20% 1999, 2% poor, 29% fair, 64% good, 5% excellent. Soybeans 86% planted, 44% 1999, 53% avg.; 75%, 27% 1999, 1% very poor, 2% poor, 32% fair, 61% good, 4% excellent. Alfalfa 1st cutting 97%, 87% 1999, 64% avg. Range, Pasture feed 2% very poor, 11% poor, 31% fair, 48% good, 8% excellent.

**KENTUCKY:** Days suitable fieldwork 4.3. Topsoil 2% very short, 12% short, 73% adequate, 13% surplus. Subsoil moisture 3% very short, 19% short, 69% adequate, 9% surplus. Below normal moisture, near normal temperatures. Wet field conditions from last weeks storms limited fieldwork. Burley 83% set, 80% 1999, 53% avg. Dark tobacco 75% set, 79% 1999, 64% avg. Disease, insect problems minimal. Condition of set tobacco 2% poor, 21% fair, 59% good, 18% excellent. Winter wheat lodging a concern in some areas. Harvest just beginning. Condition of winter wheat 2% very poor 7% poor, 25% fair, 55% good, 11% excellent. Pasture feeds 3% poor, 22% fair, 59% good, 16% excellent. Grain sorghum 59% planted. Barley harvest 23% complete.

**LOUISIANA:** Days suitable for fieldwork 6.8. Soil moisture 25% very short, 42% short, 29% adequate, 4% surplus. Corn 5% very poor, 10% poor, 24% fair, 59% good, 2% excellent; 58% silked, 40% 1999, 38% avg.; 13% dough stage, 4% 1999, 6% avg. Cotton 96% emerged, 94% 1999, 98% avg. Hay 72% 1st cutting, 75% 1999, 69% avg. Peaches 21% harvested, 15% 1999, 13% avg. Peach harvest was underway. Rice 5% headed, 1% 1999, 1% avg. Sorghum 1% very poor, 8% poor, 37% fair, 52% good, 2% excellent;

93% emerged, 93% 1999, 92% avg. Sorghum planting edged closer to completion. Spring plowing 100% plowing, 100% 1999, 99% avg. Sugarcane 2% very poor, 10% poor, 39% fair, 44% good, 5% excellent. Sweetpotatoes 56% planted, 55% 1999, 42% avg. Wheat 99% harvested, 88% 1999, 74% avg. Wheat harvest was in full swing. Livestock 3% very poor, 10% poor, 33% fair, 43% good, 11% excellent. Vegetables 9% very poor, 15% poor, 34% fair, 36% good, 6% excellent.

**MARYLAND:** Days suitable for fieldwork 5.1. Topsoil 4% short, 84% adequate, 12% surplus. Subsoil moisture 1% very short, 11% short, 80% adequate, 8% surplus. Winter wheat 1% very poor, 2% poor, 14% fair, 71% good, 12% excellent; 36% turned, 41% 1999, 28% avg. Barley 1% very poor, 3% poor, 10% fair, 70% good, 16% excellent; 90% turned, 82% 1999, 73% avg.; 7% harvested, 20% 1999, 10% avg. Rye 1% poor, 9% fair, 75% good, 15% excellent; 46% turned, 64% 1999, 44% avg. Tomatoes 86% planted, 94% 1999, 91% avg. Sweet corn 89% planted, 89% 1999, 84% avg. Field Corn 94% planted, 95% 1999, 92% avg. Cucumbers 59% planted, 59% 1999, 64% avg. Snap beans 58% planted, 59% 1999, 72% avg. Cantaloupes 89% planted, 91% 1999, 91% avg. Soybeans 37% planted, 43% 1999, 37% avg. Sorghum 31% planted, 49% 1999, 36% avg. Watermelons 65% planted, 92% 1999, 89% avg. Strawberries 69% harvested, 45% 1999, 42% avg. Pasture feed 1% very poor, 3% poor, 20% fair, 54% good, 22% excellent. Apple 17% fair, 69% good, 14% excellent. Peach 12% fair, 67% good, 21% excellent. Hay supplies 1% very short, 8% short, 79% adequate, 12% surplus. Percent of cutting hay crop harvest; 1<sup>st</sup> cutting clover, other hays 61% cut, 71% 1999, 53% avg.; 1<sup>st</sup> cutting alfalfa 75% cut, 81% 1999, 71% avg.; 2<sup>nd</sup> cutting 6% cut, 16% 1999, 5% avg. Activities: Warm, dry weather kept planting of crops on pace, corn planting wrapping up in this coming week.

**MICHIGAN:** Days suitable for fieldwork 4.0. Topsoil 1% very short, 2% short, 64% adequate, 33% surplus. Subsoil 2% very short, 11% short, 71% adequate, 16% surplus. All Hay 1st cutting 17%, 27% 1999, 17% avg. Asparagus harvested 90%, 69% 1999, 66% avg. Corn 87% planted, 95% 1999, 91% avg. Potatoes 88% planted, 94% 1999, 91% avg.; 69% emerged, 65% 1999, 59% avg. Rain across State again this week, temperatures normal to 3° below normal. Rainfall amounts over 2 inches Southwest Lower Peninsula to one-third of inch Upper Peninsula. Continued slow growth of crops. Corn is very yellow in most fields due to cold soil temperatures, slow emergence. Soybeans were progressing slowly, herbic spray programs delayed. Some fields of winter wheat were beyond flowering, powdery mildew present. Harvesting of alfalfa was underway, but weather to delayed. Oats, barley to be in good condition. Asparagus harvest completed on many fields, weed control, fertilizer applied. Cabbage good with the exception of water damaged areas. Potatoes 6 inches in height. Carrot planting completed, early carrots in the second true leaf stage. Sweet corn slow in development because of cooler temperatures. Tomato transplanting continued, early planted fields have their first flowers. Pepper transplanting continued with little growth due to cool temperatures. Squash planting continued, early planted peas were 6 inches in height. Snap bean planting behind because of rain but early plantings were emerging. Rainfall, cooler temperatures pushed season back toward normal range in terms of growth, development of fruit crops. Apple growers had difficulty finding a spraying window for chemical thinning. Fireblight symptoms became widespread in some parts of State. High numbers of codling moth adults. Red Delicious 10-18 mm in diameter. Tart cherry production potential as widely variable in the West Central area. Sweet cherries were 12-16 mm in diameter while plum trees had 18-21 mm fruit. Hand thinning of peaches began in Southwest, where green peach aphids were very active. Blueberries remained in early green fruit stage with berries up to 12 mm. Strawberry harvest began in southern counties. Fall raspberry canes reached 12-18 inches while summer raspberry canes were in full bloom. Concord grapes had 10-16 inch shoots. Insect activity in northwest wine grapes was light.

**MINNESOTA:** Days suitable for fieldwork 2.6. Topsoil 3% very short, 4% short, 74% adequate, 19% surplus. Spring Wheat 29% jointed, 15% 1999, 13% avg. Oats 46% jointed, 24% 1999, 22% avg. Barley 29% jointed, 13% 1999, 12% avg. Corn 13% cultivated, 6% 1999, 11% avg. Soybeans 4% cultivated, 1% 1999, 3% avg. Potatoes 97% planted, 79% 1999, 78% avg. Sweet corn 83% planted, 76% 1999, 76% avg. Dry beans 95% planted, 64% 1999, 65% avg. Alfalfa 45% 1<sup>st</sup> cutting, 49% 1999, 27% avg. Pasture feed 1% very poor, 4% poor, 26% fair, 60% good, 9% excellent. Thoughts of a possible drought this summer have subsided in the Southeastern, South Central Districts of the state. Rain, rain and more rain was received for an average of 6.93 inches in the Southeast, 5.98 inches in the South Central. The abundance of rain in these districts caused flooding in many areas. Meanwhile, the northern part of the Red River Valley has missed most of the rains, topsoil moisture has become very short. A heavy hail storm struck Lincoln, Pipestone counties. Cool temperatures have delayed the development of corn, soybeans across the state.

**MISSISSIPPI:** Days suitable for fieldwork 6.5. Soil moisture, 23% very short, 44% short, 32% adequate and 1% surplus. Corn 2% very poor, 6% poor, 26% fair, 54% good, 12% excellent. Cotton 99% planted, 99% 1999, 99% avg.; 13% squaring, 8% 1999, 17% avg.; 4% poor, 24% fair, 58% good, 14% excellent. Rice 91% emerged, 98% 1999, 98% avg.; 2% poor, 31% fair, 55% good, 12% excellent. Sorghum 99% planted, 99% 1999, 95% avg. Soybean 91% planted, 89% 1999, 85% avg.; 83% emerged, 81% 1999, 76% avg.; 4% poor, 24% fair, 58% good, 14% excellent. Wheat 92% mature, 85% 1999, 76% avg.; 48% harvested, 46% 1999, 26% avg.; 6% poor, 30% fair, 47% good, 17% excellent. Sweetpotatoes 50% planted, 42% 1999, 29% avg. Watermelons 90% planted, 87% 1999, 92% avg.; 2% very poor, 9% poor, 23% fair, 61% good, 5% excellent. Hay (Cool Season) 96% harvested, 91% 1999, 85% excellent.; (Warm Season) 18% harvested, 23% 1999, 18% avg.; 5% very poor, 15% poor, 29% fair, 42% good, 9% excellent. Blueberries 2% poor, 53% fair, 44% good, 1% excellent. Cattle, 2% very poor, 5% poor, 29% fair, 54% good, 10% excellent. Pasture 12% very poor, 17% poor, 28% fair, 37% good, 6% excellent.

**MISSOURI:** Days suitable for fieldwork 5.6. Topsoil 23% very short, 37% short, 39% adequate, 1% surplus. Temperatures were normal to 10° above normal across the State. Across the northern third of the State rainfall varied from 0.58 inches to 0.90 inches. The southwestern, south-central districts received 0.02 inches, 0.05 inches respectively, while the Bootheel received 0.10 inches of rain. Row crops continue in mostly fair to good condition, but farmers remain concerned about soil moisture supplies for future growth. Recent limited rainfall brought little relief to topsoil moisture supplies, subsoil moisture, stock ponds.

**MONTANA:** Days suitable for fieldwork 4.1. Topsoil 17% very short, 33% short, 50% adequate, 0% surplus. Subsoil moisture 32% very short, 36% short, 32% adequate, 0% surplus. Oats 93% emerged, 70% 1999, 77% avg.; 7% boot, 1% 1999, 3% avg.; 4% very poor, 11% poor, 38% fair, 41% good, 6% excellent. Corn 97% emerged, 70% 1999, 80% avg.; 1% very poor, 8% poor, 48% fair, 38% good, 5% excellent. Dry 97% beans planted, 86% 1999, 95% avg.; 77% emerged, 55% 1999, 67% avg.; 0% very poor, 20% poor, 52% fair, 27% good, 1% excellent. Potatoes 71% planted, 87% 1999, 83% avg.; 24% emerged, 14% 1999, 17% avg. Sugar beets 0% very poor, 9% poor, 42% fair, 41% good, 8% excellent. Barley in boot 8%, 0% 1999, 2% avg. Spring wheat in boot 5%, 1% 1999, 2% avg. Winter wheat in boot 63%, 36% 1999, 44% avg. Much-needed precipitation fell across the state this week. Despite the moisture, many areas of the state are still below normal for precipitation for the crop season. This year, grasshopper populations have the possibility to be the highest seen in decades. A mild winter, this spring's dry, warm emergence period have led to low death rates, advanced growth rates. Producers could see crop damage as grasshoppers move off rangeland into their crops. The Russian Wheat Aphid is still causing problems for many of the state's grain producers. While most winter wheat plantings are too far along to be seriously affected by aphids, spring wheat, barley can still be damaged. Cattle, calves moved to summer ranges 80%, 84% 1999, 87% avg. Sheep, lambs moved to summer ranges 75%, 73% 1999, 81% avg. Most areas of the state still report inadequate water supplies, poor water quality. Precipitation during the last week will help range conditions, however, it may be too late to salvage dryland hay in Central State.

**NEBRASKA:** Days suitable for fieldwork 5.9. Topsoil rated mostly short to adequate with subsoil moisture supplies mostly short to very short. Temperatures for the week averaged 3 to 5° above normals, except for portions of the Northeast, Central regions. Precipitation light across most areas of State. Northeastern counties averaged .5 to 1.0 inch. Corn 99% emerged, 89% 1999, 83% avg.; 1% very poor, 6% poor, 34% fair, 45% good, 14% excellent. Soybeans 99% planted, 84% 1999, 72% avg.; 92% emerged, 41% 1999, 43% avg.; 1% very poor, 9% poor, 41% fair, 40% good, 9% excellent. Sorghum 93% planted, 55% 1999, 60% avg.; 79% emerged, 19% 1999, 31% avg.; 2% very poor, 9% poor, 55% fair, 33% good, 1% excellent. Winter Wheat 11% very poor, 19% poor, 33% fair, 33% good, 4% excellent; 98% headed, 77% 1999, 63% avg.; 36% turning color, 3% 1999, 1% avg. Oats 6% very poor, 13% poor, 40% fair, 38% good, 3% excellent; headed 37%, 9% 1999, 7% avg. Dry beans 72% planted, 54% 1999, 31% avg.; 23% emerged, same as 1999, 22% avg. Alfalfa 1<sup>st</sup> cutting 66% harvested, 45% 1999, 22 avg.; 12% very poor, 13% poor, 30% fair, 41% good, 4% excellent; conditions in northern counties showed improvement. Alfalfa 1<sup>st</sup> cutting yields have been significantly reduced in many eastern counties. Wild hay 8% very poor, 19% poor, 40% fair, 31% good, 2% excellent. Hay hotline established to assist producers needing hay to connect with those having hay for sale. Pasture, range 8% very poor, 19% poor, 40% fair, 31% good, 2% excellent. Other producer activities included: Scouting for insects, cultivating, haying, irrigating crops.

**NEVADA:** The week began with temperatures averaging above normal. Temperatures then cooled to near normal midweek, followed by high temperatures again at week's end. Precipitation was nil statewide. Irrigation water supplies becoming short in parts of Elko, Churchill counties. Crop

development advanced in response to the high temperatures. Emergence of spring planted grains complete. Corn, tender vegetable planting continued. Alfalfa hay harvest in full swing. Alfalfa cutting was rushed in parts of Lincoln County due to earlier frost damage. Onions, garlic growing well. Potato planting complete. Weed, insect control active. Pasture, range conditions rated mostly fair to good. Range livestock movement to mountain allotments continued. Main farm, ranch activities: Alfalfa hay harvest, irrigation, weed, insect monitoring, control, working livestock, gopher control.

**NEW ENGLAND:** Days suitable for fieldwork: 6.2. Topsoil 2% short, 74% adequate, 24% surplus. Subsoil moisture 2% short, 74% adequate, 24% surplus. Pasture feed 4% fair, 54% good, 42% excellent. Maine potatoes 85% planted, 100% 1999, 85% avg. Rhode Island potatoes: 100% planted, 100% 1999, 95% avg.; 85% emerged, 85% 1999, 75% avg.; condition good. Massachusetts potatoes: 100% planted, 100% 1999, 100% avg.; 75% emerged, 95% 1999, 80% avg.; condition good. Oats in Maine: 99% planted, 100% 1999, 90% avg.; 95% emerged, 70% 1999, 60% avg.; condition fair to good. Barley in Maine: 100% planted, 100% 1999, 90% avg.; 95% emerged, 75% 1999, 65% avg.; condition good to fair. Silage corn: 55% planted, 90% 1999, 80% avg.; 25% emerged, 80% 1999, 50% avg.; condition good to fair. Sweet corn: 65% planted, 75% 1999, 70% avg.; 45% emerged, 65% 1999, 50% avg.; condition good to fair. Shade tobacco: 80% planted, 100% 1999, 90% avg. Broadleaf tobacco: 40% planted, 40% 1999, 35% avg. First crop hay 10% harvested, 40% 1999, 25% avg.; condition good. Apples: Full Bloom Stage to Petal Fall Stage, fruit set avg, condition good to fair. Peaches: Petal Fall Stage, fruit set avg, condition fair to good. Pears: Petal Fall Stage, fruit set avg, condition fair to good. Strawberries: Full Bloom Stage to Petal Fall Stage, fruit set avg to below avg, condition good to fair. Cranberries: Bud Stage to Early Bloom Stage, condition good to fair. Highbush blueberries: Full Bloom Stage to Petal Fall Stage, fruit set avg, condition good to excellent. Wild Blueberries: Full Bloom Stage, condition good to fair. Warmer, drier weather brought on a flurry of field activities as farmers worked to catch up on a delayed planting season. Major farm activities: Chopping grass, making dry hay, harrowing fields, applying herbicides, lime, fertilizer, planting corn, potatoes, broccoli, transplanting peppers, tomatoes, tobacco, harvesting lettuce, rhubarb, asparagus, radishes, spinach.

**NEW JERSEY:** Days suitable for field work 3.5. Topsoil 7% short, 93% adequate. Corn 85% planted. Sweet corn crop condition declined due to cold weather in some localities. Some fields showed nitrogen, phosphorus deficiencies attributed to unseasonably cool weather. Field corn plant growth was slowed by cool weather conditions. Hay harvest continued where conditions allowed. Some hail damage from last week's storm thinned peach, apple fruit set in some northern state orchards.

**NEW MEXICO:** Days suitable for field work 6.6. Topsoil 50% very short, 30% short, 20% adequate. Temperatures were above normal once again, the mercury hit 100° at locations in the south, east. The statewide average was between 6 and 7° above normal. State got a preview of the "monsoon" as some tropical moisture streamed northward from Mexico. About two thirds of the reporting stations managed to receive some measurable precipitation. Moriarty was the only site to record over, inch. The state received some moisture allowing the dryland wheat condition to slightly improve. Harvesting, irrigating were the main farm activities during the week. Onions were good to excellent with 13% harvested. Chile was in mostly good condition. The irrigated wheat crop remained in fair to good condition with total wheat only 7% harvested. Alfalfa was in mostly good condition, the 2<sup>nd</sup> cutting was 30% complete. Corn 100% planted, 100% emerged. Cotton 100% planted, 5% squaring. Peanuts 95% planted. Ranchers were still busy branding calves, hauling water along with supplemental feeds to maintain the herds. Cattle conditions vary from very poor to good across the state. Sheep conditions were unchanged from the previous week. Pasture, range feed improved slightly with the rain, 31% very poor, 27% poor, 32% fair, 10% good.

**NEW YORK:** Days suitable 5.5. Soil moisture 40% adequate, 60% surplus. Pasture feed 4% poor, 5% fair, 45% good, 46% excellent. Wheat 12% fair, 59% good, 29% excellent. Corn 61% planted, 95% 1999, 82% avg. Oats 91% planted, 100% 1999, 96% avg. Alfalfa hay 17% harvested, 39% 1999, 26% avg. Clover-timothy 14% harvested, 28% 1999, 19% avg. Vegetable planting progressed rapidly. Some onion fields in poor shape due to heavy rainfall. Strawberry harvest about one week away. Tree fruit growers report a heavy set. Apples in good condition. Grape growers spraying fungicides. Bloom expected in one week in Lake Erie region.

**NORTH CAROLINA:** Days suitable for field work to 5.1 compared to 4.9 the previous week. Soil moisture 3% very short, 21% short, 60% adequate, 16% surplus. Slightly cooler temperatures accompanied by severe weather in isolated areas prevailed during the week. Hail, flash floods resulted in some scattered crop damage in the Piedmont, Coastal Plains regions. For the most part, however, areas that received rainfall welcomed the moisture as a relief from extremely dry conditions. The recent rains improved Cotton,

peanut planting along with flue-cured tobacco setting were nearly completed this week with additional gains made in soybean planting. Major gains were realized in sweet potato planting, small grain harvesting. With most of the single cropped soybeans in the field, small grain harvest well underway, farmers will focus on double-cropping practices. Other activities included: Sorghum planting, burley tobacco setting, continued hay cutting.

**NORTH DAKOTA:** Days suitable for field work 5. Topsoil 5% very short, 8% short, 85% adequate, 2% surplus. Subsoil moisture was 5% very short, 13% short, 80% adequate, 2% surplus. ost seeding was completed this week, rain showers fell over most of the state. Durum wheat 97% planted, 66% 1999, 83% avg.; 85% emerged, 43% 1999, 55% avg.; 11% jointing, beyond, 4% 1999, 2% avg.; 1% boot, beyond, 1% 1999, 0% avg. Canola 96% emerged, 59% 1999; 35% rosette, 13% 1999. Dry edible beans 94% planted, 61% 1999, 71% avg.; 56% emerged, 27% 1999, 31% avg. Flaxseed 99% planted, 72% 1999, 68% avg.; 91% emerged, 51% 1999, 42% avg. Potatoes 98% planted, 91% 1999, 92% avg.; 48% emerged, 37% 1999, 32% avg. Soybeans 98% planted, 64% 1999, 72% avg.; 83% emerged, 33% 1999, 38% avg. Sugarbeets 95% emerged, 92% 1999, 86% avg. Sunflowers 87% planted, 49% 1999, 59% avg.; 37% emerged, 14% 1999, 22% avg. Emerged crop Durum wheat 1% very poor, 3% poor, 19% fair, 60% good, 17% excellent. Canola 2% very poor, 6% poor, 21% fair, 51% good, 20% excellent. Dry edible beans 7% very poor, 14% poor, 23% fair, 52% good, 4% excellent. Flaxseed 1% very poor, 3% poor, 15% fair, 63% good, 18% excellent. Potatoes 8% very poor, 27% poor, 31% fair, 29% good, 5% excellent. Soybeans 1% very poor, 3% poor, 14% fair, 71% good, 11% excellent. Sugarbeets 13% very poor, 22% poor, 22% fair, 38% good, 5% excellent. Sunflower 0% very poor, 2% poor, 15% fair, 68% good, 15% excellent. Broad leaf, wild oat spraying 49% and 64% complete respectively. Pasture, range conditions were 1% very poor, 6% poor, 28% fair, 54% good and 11% excellent. Stockwater supplies 1% very short, 5% short, 91% adequate, 3% surplus. Hay 91% of normal.

**OHIO:** Days suitable for fieldwork 3.1. Topsoil 0% very short, 4% short, 71% adequate, 25% surplus. Alfalfa hay 1st cutting 47%; 71% 1999; 37% avg. Corn 97% emerged; 98% 1999; 71% avg. Oats 23% headed; 36% 1999; 13% avg. Other hay 1st cutting 34%; 56% 1999; 28% avg. Potatoes 99% planted; 100% 1999; 94% avg.. Processing tomatoes 65% planted; 89% 1999; 77% avg. Soybeans 86% planted; 99% 1999; 69% avg. Soybeans 74% emerged; 89% 1999; 49% avg. Strawberries 30% harvested; 28% 1999; 15% avg. Tobacco 64% transplanted; 62% 1999. Winter wheat 16% turning; 17% 1999; 7% avg. Hay 1% very poor, 5% poor, 26% fair, 55% good, 13% excellent. Oats 0% very poor; 3% poor; 20% fair; 63% good; 14% excellent. Pasture 1% very poor, 5% poor, 23% fair, 56% good, 15% excellent. Corn 0% very poor, 2% poor, 16% fair, 58% good, 24% excellent. Soybeans 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Strawberries 0% very poor, 1% poor, 20% fair, 61% good, 18% excellent. Winter wheat 0% very poor, 1% poor, 11% fair, 51% good, 37% excellent. Activities for the week included: Replanting corn, soybeans; spraying weeds; making hay; repairing machinery; chopping silage; fence, building maintenance; clipping seed heads in pastures; spraying orchards; hauling manure; scouting fields; moving grain. Reported insects included black cutworms, European corn borer in corn, bean leaf beetles, slugs in soybeans and hay, spittle bugs, seed corn maggots, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, potato leaf hoppers. Reported diseases were mildew in oats, wheat, rust on wheat, scab on apples. Reporters across northern State mentioned several problems that have been caused by excess precipitation. In the Northeast, North Central districts, corn, soybean acres need to be replanted. In several counties, intended corn acres are being replanted as soybeans. Hay is past its maturity in many places, but little has been made due to the continuing rains. Many fields are becoming weedy because they have been too wet to spray. Strawberry growers in northeastern counties are concerned that berries will mold with the excessive moisture. Livestock were reported in mostly excellent condition except where face fly pressures are high and pastures are too wet to graze.

**OKLAHOMA:** Days suitable for fieldwork 5.1. Topsoil 5% very short, 23% short, 66% adequate, 6% surplus. Subsoil 6% very short, 28% short, 65% adequate, 1% surplus. Wheat 99% soft dough, 95% last week, 84% 1999, 77% avg. Oats 1% very poor, 7% poor, 38% fair, 51% good, 3% excellent, 97% headed, 92% last week, 99% 1999, 93% avg.; 86% soft dough, 72% last week, 80% 1999, 64% avg.; 19% harvested, 4% last week, 4% 1999, 7% avg. Rye 4% poor, 20% fair, 71% good, 5% excellent, 99% soft dough, 90% last week, 97% 1999, n/a avg.; 4% harvested, 3% last week, 6% 1999, 3% avg. Corn 1% poor, 32% fair, 60% good, 7% excellent, 100% emerged, 93% last week, 100% 1999, 98% avg.; 1% silking, n/a last week, 1% 1999, 1% avg. Sorghum 3% poor, 43% fair, 53% good, 1% excellent, 92% seedbed prepared, 87% last week, 94% 1999, 84% avg.; 41% emerged, 37% last week, 6% 1999, 13% avg. Soybeans 23% fair, 72% good, 5% excellent, 91% seedbed prepared, 88% last week, 96% 1999, 93% avg.; 71% planted, 68% last week, 43% 1999, 54% avg.; 60% emerged, 57% last week, 30% 1999, 33% avg. Peanuts 6% poor, 41% fair, 52% good, 1% excellent, 83% emerged, 57% last week, 70% 1999, 50% avg. Cotton 3% poor, 48% fair, 47% good, 2% excellent, 79% emerged, 65% last week, 53%

1999, 43% avg. Alfalfa Hay 1% very poor, 3% poor, 26% fair, 62% good, 8% excellent; 97% first cutting, 95% last week, 97% 1999, 92% avg.; 28% second cutting, 22% last week, 18% 1999, 14% avg. Other Hay 3% poor, 31% fair, 58% good, 8% excellent; 61% first cutting, 58% last week, 51% 1999, 45% avg. Watermelons 100% planted, 96% last week, 100% 1999, 83% avg.; 35% running, 30% last week, n/a 1999, n/a avg.; Livestock 1% very poor, 1% poor, 21% fair, 68% good, 9% excellent; Cattle marketings slightly below avg. Feeder cattle prices are steady to \$1.00 per cwt. higher than last week.

**OREGON:** Days suitable for fieldwork 6. Topsoil 10% very short, 28% short, 58% adequate, 4% surplus. Subsoil 4% very short, 24% short, 65% adequate, 7% surplus. Barley 38% headed, 33% fair, 50% good, 17% excellent. Winter wheat 76% headed, 49% 1999, 66% 5 avg.; 36% fair, 51% good, 13% excellent. Range, pasture 2% poor, 22% fair, 64% good, 12% excellent. Activities: Small grains mostly in good condition statewide. Alfalfa, grass hay being cut, baled across most of state. Rain in Mid-Columbia basin & Northeast helpful to grain crops but some hay damaged. In Umatilla County canola past bloom in most areas, has a high pod count. In Sherman, Wasco counties rye pulling is underway. In Klamath basin some spotty but locally severe frost damage to grain, alfalfa, sugarbeet crops. Many alfalfa fields sprayed for alfalfa weevil control. In Willamette Valley warmer weather promoted a rapid increase in growth. Early tall fescue, fine fescue grass seed fields beginning to pollinate. Some orchard grass fields also beginning pollination. Nurseries, greenhouses are into summer activities with hot dry weather last weekend. Stock is being rotated, irrigation is underway. Easter lily growers roguing their fields of off type plants, weeding. Retail stores still selling a lot of bedding plants. Klamath County reported a few potatoes had emerged, sprinkle frost protection applied to emerged fields. In Willamette Valley most vegetables continue to thrive under sunny skies, processing crops still on schedule. Onions, potatoes doing well, sweet corn up, vigorous, green pea harvest near. Josephine County reported truck gardens busy putting in warm weather vegetables. In Hood River lower valley area, cool, windy weather slowed June drop of pear clusters. The concern is that this could affect pear size if cool weather continued. Strawberry season underway in western areas of State, other berries progressing well. Marion berries in full bloom, raspberries forming. In southern coastal region, blueberries had started to show color development, rose bloom on cranberries. A fungus at infectious stage in some cranberry beds. Hazelnuts coming on, walnut trees blooming. Yamhill County reported cherry fruit fly not a problem yet. Livestock condition mostly good to excellent. Cattle movement to forest permits began in Lake county. Sheep shearing continued in Coos, Curry counties. Western pasture conditions mostly good; grass growth better than normal. Eastern rangeland in mostly good condition. Northeastern counties received some rainfall, which slowed normal drying. Malheur county continued drier than most other eastern areas.

**PENNSYLVANIA:** Days suitable for fieldwork 4.6. Soil moisture 5% short, 81% adequate, 14% surplus. Spring plowing 96% complete, 97% 1999, 96% avg. Corn 92% planted, 94% 1999, 88% avg.; 85% emerged, 84% 1999, avg not available. Corn height 7 in., 5 in. 1999, 4 in. avg. Soybeans 73% planted, 78% 1999, 63% avg.; 60% emerged, 62% 1999, avg not available. Oats 95% emerged 97% 1999, avg not available. Potatoes 97% planted, 93% 1999, 85% avg. Tobacco 65% transplanted, 73% 1999, 41% avg. Alfalfa 1st cutting 56%, 59% 1999, 48% avg. Timothy clover 1st cutting 23%, 28% 1999, 21% avg. Activities include: Spring plowing; planting oats, potatoes, corn, soybeans, vegetables; fixing fences; machinery maintenance; spreading lime, fertilizers; hauling manure; caring for livestock; cutting hay; making hay, haylage; filling silos; applying pesticides.

**SOUTH CAROLINA:** Days suitable for fieldwork 6.0. Soil moisture 34% very short, 39% short, 26% adequate, 1% surplus. Apples 4% poor, 87% fair, 9% good. Barley 99% ripe, 74% 1999, 68% avg.; 65% harvested, 41% 1999, 36% avg.; 7% fair, 36% good, 57% excellent. Cantaloupes 99% planted, 100% 1999, 98% avg.; 5% harvested, NA 1999; NA avg.; 6% poor, 40% fair, 54% good. Corn silked 21%, 9% 1999, 11% avg.; 13% very poor, 27% poor, 33% fair, 27% good. Cotton 87% planted, 96% 1999, 97% avg.; 8% squared, 7% 1999, 8% avg.; 3% very poor, 17% poor 41% fair, 39% good. Cucumbers 40% harvested, 21% 1999, 23% avg.; 4% poor, 29% fair, 67% good. Grain Hay 95% harvested, 97% 1999, 92% avg. Hay 15% very poor, 25% poor, 35% fair, 25% good. Oats 100% turned color, 96% 1999, 97% avg.; 97% ripe, 84% 1999, 82% avg.; 66% harvested, 54% 1999, 45% avg.; 1% poor, 26% fair, 59% good, 14% excellent. Peaches 11% harvested, 13% 1999, 11% avg.; 5% very poor, 8% poor, 18% fair, 54% good, 15% excellent. Peanuts 93% planted, 96% 1999, 94% avg.; 3% very poor, 15% poor, 54% fair, 28% good. Rye 100% turned color, 98% 1999, 97% avg.; 97% ripe, 77% 1999, 81% avg.; 57% harvested, 39% 1999, 40% avg.; 5% poor, 38% fair, 55% good, 2% excellent. Snap beans 100% planted, 99% 1999, 93% avg.; 25% harvested, NA 1999, NA avg.; 10% poor, 20% fair, 70% good. Sorghum 85% planted, 72% 1999, 55% avg.; 15% headed, NA 1999, NA avg.; 6% poor, 11% fair, 83% good. Soybeans 52% planted, 50% 1999, 41% avg.; 39% emerged, 32% 1999, 21% avg.; 5% very poor, 10%

poor, 41% fair, 43% good, 1% excellent. Sweetpotatoes 80% planted, 69% 1999, 68% avg.; 5% poor, 17% fair, 78% good. Tobacco 2% poor, 25% fair, 69% good, 4% excellent. Tomatoes 6% very poor, 3% poor, 5% fair, 86% good. Watermelons 99% planted, 99% 1999, 99% avg.; 11% poor, 35% fair, 54% good. Winter grazings 20% very poor, 32% poor, 24% fair, 19% good, 5% excellent. Winter wheat 98% ripe, 76% 1999, 77% avg.; 36% harvested; 29% 1999, 25% avg.; 1% very poor, 2% poor, 21% fair, 66% good, 10% excellent.

**SOUTH DAKOTA:** Days suitable for fieldwork 4.0. Topsoil 1% very short, 9% short, 82% adequate, 8% surplus. Subsoil moisture 2% very short, 18% short, 73% adequate, 7% surplus. Feed 2% short, 87% adequate, 11% surplus. Stock water 2% very short, 9% short, 81% adequate, 8% surplus. Winter rye 5% poor, 18% fair, 63% good, 14% excellent. Winter rye boot 94%, 79% 1999, 63% avg. Winter rye headed 64%, 39% 1999, 24% avg. Winter rye turning color 0%, 0% 1999, NA% avg. Winter wheat boot 91%, 88% 1999, 57% avg. Winter wheat turning color 0%, 0% 1999, 1% avg. Spring wheat boot 39%, 9% 1999, 12% avg. Barley boot 16%, 7% 1999, 7% avg. Oats boot 26%, 11% 1999, 12% avg. Ave. corn height 6 in., 4 in. 1999, 2 in. avg. Corn cultivated once 10%, 6% 1999, 5% avg. Alfalfa hay 1% very poor, 11% poor, 27% fair, 51% good, 10% excellent. Alfalfa hay 1st cutting harvested 26%, 16% 1999, 9% avg. Other hay harvested 2%, 0% 1999, 1% avg. Range, pasture 1% very poor, 3% poor, 16% fair, 61% good, 19% excellent. Cattle condition 3% fair, 70% good, 27% excellent. Cattle moved to pasture 92% complete. Sheep condition 2% fair, 61% good, 37% excellent. Statewide, temperatures for the past week ranged from 2 to 7° below normal. The cool damp temperatures did not slow the winter crop progress as winter wheat headed jumped to 69%. All other crop progress slowed with the cool temperatures, but livestock, crops are still in fair to excellent condition.

**TENNESSEE:** Days suitable for fieldwork 5. Topsoil 2% very short, 16% short, 73% adequate, 9% surplus. Subsoil moisture 2% very short, 19% short, 74% adequate, 5% surplus. Tobacco 73% transplanted, 79% 1999, 64% avg.; 2% poor, 21% fair, 65% good, 12% excellent. Wheat 98% turning color, 93% 1999, 88% avg.; 37% ripe, 30% 1999, 26% avg.; 5% harvested, 8% 1999, 3% avg.; 3% very poor, 8% poor, 24% fair, 50% good, 15% excellent. Pastures 1% very poor, 5% poor, 28% fair, 53% good, 13% excellent. Alfalfa 93% first cutting complete, 93% 1999, 87% avg. Other hay 81% first cutting complete, 81% 1999. Cattle 3% poor, 20% fair, 61% good, 16% excellent. Farmers took advantage of dry weather, were busy harvesting hay, wrapping up cotton planting, transplanting tobacco, planting soybeans. Hay producers made excellent progress with their first cutting. Most producers should finish this week if conditions remain dry. Cotton growers completed planting last week, the crop is currently rated in mostly fair-to-good condition. With cotton planting complete, farmers in West Areas are turning their attention to soybean planting.

**TEXAS:** Rains improved crop, pasture feeds across portions of the Plains Central, State with some totals as high as fifteen inches. High winds, hail caused crop damage in some locations. In other areas continued high temperatures caused stress to pastures, crops. Planting remained on hold in some areas due to insufficient moisture levels. In other areas where moisture levels where more favorable producers continued with land preparation and planting activities. Haying continued where possible. Rainfall in some locations improved the condition of uncut fields. In general most crops were stressed by high temperatures, low soil moisture levels before any moisture fell. In the Rio Grande Valley, Winter Garden areas, vegetables continued to make progress, harvest continued in some locations, however some stress continued as a result of low moisture levels. Earlier rains enhanced wild flowers along roadways, pastures. Field Crops: Small Grains: Combining of wheat and oats continued in central areas, progressed across areas of the Plains. Yields were below average in many locations as a result of dry conditions but produced well in some other areas. Wheat 39% of normal compared with 69% 1999. Oats published 60%, 1999 52%, average 39%. Corn: Cultivation continued where needed, irrigated corn made good progress across the state. Dryland corn received some benefit from rains received during the week. Some acreage again received damage from hail and high wind associated with the weather front. Corn 80% of normal compared with 82% 1999. Planted published 100%, 1999 100%, average 100%. Silked published 49%, 1999 44%, average 33%. Dough published 28%, 1999 23%, average 10%. Dented published 3%, 1999 2%, average 1%. Cotton: Cotton planting continued in the plains. Some cotton planting remained on hold in portions of the Low Rolling Plains as adequate moisture was not available, however rain late in the week improved these conditions. Damage continued in some areas to young cotton plants from thrips, grasshopper populations. Statewide cotton conditions was rated at 63 percent of normal compared with 68 percent 1999. Setting Bolls published 6%, 1999 4%, average 3%. Rice: Flooding of rice fields continued. Some injury from army worm infestation has occurred. State wide rice condition was rated at 83 percent of normal compared with 94% 1999. Planted published 100%, 1999 95%, average 92%. Sorghum: Planting was active on the Plains. Some plantings may follow cotton if it fails. In the drier areas, planting may be delayed until sufficient moisture is received, however showers at week's end gave some relief to some of these areas. Irrigated

acres continued to make good progress in all areas. Sorghum 74% of normal compared with 78% 1999. Headed published 35%, 1999 31%, average 28%. Turning Color published 18%, 1999 13%, average 8%. Mature published 4%, 1999 1%, average 0%. Harvested published 1%, 1999 0%, average 0%. Peanuts Some land preparation, planting continued to advance in southern and central areas but was mostly completed on the Plains. Rain at week's end improved emerging of dryland peanuts while irrigated peanuts continued to emerge well. In some areas damage from wind burn remained evident on younger plants across the state. Peanut 81% of normal compared with 82% 1999. Soybeans: Land preparation remained active where possible. Early planted beans continued to progress well but damage from army worms became evident in some areas. Commercial Vegetables, Fruit and Pecans. In the Rio Grande Valley, water melon, cantaloupe harvest remained active, however some damage occurred from high winds. Harvest remained active for greens, carrots, beans, peas, potatoes. Onion harvest was completed. Stress from lack of moisture continued to cause concern for producers. In the San Antonio-Winter Garden, harvest of onions and carrots continued and green beans, peas made good to average progress. Chili peppers made good progress. Non-irrigated fields remained stressed by strong winds, high temperatures. In East Texas, planting was mostly completed for peas, cucumbers, peppers, sweet potatoes and egg plants. Harvest neared completion for onions, cauliflower. Insect, disease pressure continued to expand. In the High Plains, carrots, onions continued to make good progress but damage to young plants resulting from high winds across the area remained a problem. Peaches: Sprays to control insect pests continued and harvest of early varieties was mostly completed in southern areas. Damage occurred in some areas due to high winds, hail. Pecans: Nutlet development continued in most areas. Zinc applications, spraying for pecan nut casebearers continued to be applied by producers in southern and central areas. Possible damage occurred in some area as a result of high winds and hail. Range, Livestock: High winds and hot temperatures continued to slow and reverse recovery across the state before moisture fell. Some areas of the Trans-Pecos region received heavy rains. Movement of cattle continued to be necessary in some locations. Grasshopper populations continued to increase and affect pasture regrowth in some locations.

**UTAH:** Days suitable for field work 7. Topsoil 14% very short, 25% short, 59% adequate, 2% surplus. Subsoil moisture 10% very short, 26% short, 63% adequate, 1% surplus. Pasture, range feed 1% very poor, 17% poor, 31% fair, 48% good. Average alfalfa height 24 inches, 17 inches 1999, 19 inches avg. Alfalfa hay 1st cutting 34%, 23% 1999, 20% avg. Corn 78% emerged, 58% 1999, 26% avg.; height 5 inches, 4 inches 1999, 2 inches avg. Winter wheat 25% headed, 24% 1999, 36% avg. Oats 79% emerged, 93% 1999, 83% avg.; headed 8%, 6% 1999, 2% avg. Drybeans 15% planted, 27% avg. Barley 9% headed, 11% 1999, 5% avg. Spring wheat 9% headed, 9% 1999, 3% avg. Other hay 8%, 1% 1999, 3% avg. Cattle moved to summer range 63%, 70% 1999, 65% avg. Sheep moved to summer range 59%, 66% 1999, 59% avg. Major farm, ranch activities included: Irrigating crops, moving livestock to summer ranges. The 1st cutting of alfalfa hay has begun. Crops are consistently ahead of past years throughout the state. Dry conditions are helpful for harvesting crops, but with soil very dry, crops are being irrigated, some areas are very short on irrigation water, or are completely out of water. Alfalfa weevils are very severe this year, spider mites are infesting corn, Russian wheat aphids, cereal leaf beetles continue to be sprayed. Mormon crickets, grasshoppers are continuing to infest crop land, rangeland and are causing considerable damage. Frost damage from several weeks ago has severely stunted some fields.

**VIRGINIA:** Days suitable for fieldwork 5.1. Topsoil 1% very short, 11% short, 78% adequate, 10% surplus. Subsoil moisture 4% very short, 23% short, 66% adequate, 7% surplus. Pastures 1% very poor, 7% poor, 27% fair, 54% good, 11% excellent. Livestock 2% poor, 11% fair, 72% good, 15% excellent. Other Hay 4% poor, 29% fair, 56% good, 11% excellent. Alfalfa Hay 1% very poor, 1% poor, 20% fair, 48% good, 30% excellent. Corn for Grain 1% poor, 12% fair, 61% good, 26% excellent, 93% planted, 97% 1999, 94% 5-yr avg. Soybeans 39% planted, 43% 1999, 37% 5-yr avg. Winter Wheat 1% very poor, 6% poor, 34% fair, 45% good, 14% excellent. Barley 1% very poor, 5% poor, 23% fair, 46% good, 25% excellent. Flue-cured tobacco 17% fair, 53% good, 30% excellent. Flue-cured tobacco 99% transplanted, 100% 1999, 96% 5-yr avg. Burley tobacco 2% very poor, 2% poor, 6% fair, 80% good, 10% excellent, 82% transplanted, 79% 1999, 62% 5-yr avg. Dark Fire-cured tobacco 41% fair, 42% good, 17% excellent. Dark Fire-cured tobacco 84% transplanted, 93% 1999, 85% 5-yr avg. Sun tobacco 25% fair, 75% good. Sun tobacco 98% transplanted, 86% 1999, 82% 5-yr avg. Peanuts 22% fair, 69% good, 9% excellent, 94% planted, 100% 1999, 99% 5-yr avg. Cotton 13% fair, 70% good, 17% excellent, 99% planted, 100% 1999, 100% 5-yr avg. Apples 12% fair, 65% good, 23% excellent. Peaches 22% very poor, 2% poor, 13% fair, 53% good, 10% excellent. Wet fields from recent rains slowed fieldwork at the beginning of the week but as the week came to a close conditions were ideal for continued planting. The flue cured tobacco belt received widespread rain which generally improved conditions while some areas did report a few fields with drowned tobacco. Cultivation resumed by weeks end. Hay cutting is still a major activity with most farmers reporting above average yields. Cotton

planting is virtually complete, corn planting should be finalized within the next week. Farmers are anxious to finish planting so that harvest of small grains, the planting of double cropped soybeans can begin. Major activities for the week included: Harvesting squash, tying tomatoes, peppers, cultivation of cotton, getting equipment ready for small grain harvest.

**WASHINGTON:** Days suitable for fieldwork 5.2. Topsoil 1% very short, 23% short, 64% adequate, 12% surplus; subsoil moisture, 1% very short, 37% short, 58% adequate, 4% surplus. Winter wheat dryland 3% poor, 14% fair, 63% good, 20% excellent; irrigated 1% fair, 89% good, 10% excellent. Headed 60%, 44% 1999, 57% avg. Winter wheat got some much needed relief as precipitation fell on the major wheat centers of the state. Some frost damage was reported however, causing only minor damage. Spring wheat dryland 2% poor, 55% fair, 41% good, 2% excellent; irrigated 3% fair, 95% good, 2% excellent. Emerged 100%, 97% 1999, 98% avg.; headed 15%, 2% 1999, 11% avg. Barley, dryland 2% poor, 40% fair, 57% good, 1% excellent; irrigated 2% fair, 96% good, 2% excellent. Emerged 100%, 100% 1999, 97% avg.; headed 15%, 3% 1999, 12% avg. Cereal crops got relief as well with warmer weather, much needed precipitation. Barley experienced a little frost damage in central state. Potatoes 100% good, 99% emerged, 84% 1999, 93% avg. Alfalfa hay, 1st cutting 78% complete. Hay, roughage 85% adequate, 15% surplus. Range, Pasture 15% poor, 36% fair, 48% good, 1% excellent. Vegetable planting was well under way with pumpkins, other warm season vegetables being planted. Sweet corn planting was nearing completion. Asparagus harvest was still underway. Christmas tree growers were still applying chemicals to fight off aphids, fungus. The 1st cutting of alfalfa hay was delayed due to precipitation. Cherries suffered no unusual losses due to the precipitation. Strawberries were behind the normal maturity stage, raspberries lagged behind in the blooming stage. Most berry crops lagged behind in development. Pastureland received some relief with the precipitation. Most ranchers had sent their cattle out to pasture. The green pea harvest began.

**WEST VIRGINIA:** Days suitable for fieldwork 4.1. Topsoil 1% very short, 11% short, 85% adequate. Mostly open weather conditions allowed farmers to make progress planting crops, transplanting tobacco, harvesting hay. 3% excellent. Intended Acreage Prepared for Spring Planting 95%, 99% 1999, 95% 5-yr avg. Wheat 10% fair, 68% good, 22% excellent; Wheat headed 91%, 90% 1999, 84% 5-yr avg. Hay 4% poor, 26% fair, 53% good, 17% excellent; Hay 1st cut 35%, 42% 1999, 24% 5-yr avg. Corn 18% fair, 69% good, 13% excellent. Corn 93% planted, 97% 1999, 87% 5-yr avg. Soybeans 84% planted, 91% 1999, 65% 5-yr avg. Oats 18% fair, 64% good, 18% excellent; 94% Planted, 100% 1999, 96% 5-yr avg.; 75% emerged, 89% 1999, 84% 5-yr avg. Tobacco 74% transplanted, 75% 1999, 59% 5-yr avg. Apple 7% poor, 63% fair, 26% good, 4% excellent. Peach 8% poor, 67% fair, 25% good. Cattle 1% very poor, 3% poor, 13% fair, 69% good, 14% excellent. Sheep 1% poor, 12% fair, 70% good, 17% excellent. Feed grain supplies 5% very short, 9% short, 73% adequate, 13% surplus. Hay, roughage supplies 10% very short, 18% short, 72% adequate.

**WISCONSIN:** Days suitable for fieldwork 1.9. Soil moisture 0% very short, 1% short, 51% adequate, 48% surplus. Another week of storms drenched southern state farms, left many low lying fields under water. Madison, Monroe, Plattville received over 6.0 inches of rain last week, many locations recorded record amounts for the month of May. Most of the rainfall came during the later half of the month, has kept farmers from spraying to control insect, weed infestations. Northern Areas finally received rainfall last week, but was still in need of additional amounts. Much of the hay cut before the rains spoiled in the fields. Further harvesting was very difficult due to water saturated fields. Alfalfa weevils were still active in some areas, but spraying was delayed because fields were extremely wet. First cutting of hay: 39% 2000, 47% 1999, 26% 5-year avg. Winter wheat slipped to 79% good-to-excellent condition last week, compared to 86% good-to-excellent the week before last. Winter wheat 0% very poor, 4% poor, 17% fair, 52% good, 27% excellent. The strawberry crop is in full bloom. Pasture feed 0% very poor, 3% poor, 13% fair, 61% good, 23% excellent.

**WYOMING:** Days suitable for fieldwork 6.8. Topsoil 6% very short, 53% short, 41% adequate. Subsoil moisture 8% very short, 58% short, 34% adequate. Barley 95% emerged, 86% 1999, 88% vg.; jointed 55%, 50% 1999, 49% avg.; boot 11%, 13% 1999, 13% avg. Barley 25% fair, 53% good, 22% excellent. Oats 81% emerged, 71% 1999, 74% avg.; jointed 13%, 21% 1999, 27% avg.; 24% fair, 68% good, 8% excellent. Spring wheat 83% emerged, 75% 1999, 73% avg.; jointed 16%, 38% 1999, 31% avg.; 5% boot, 2% 1999, 7% avg.; 26% fair, 68% good, 6% excellent. Winter wheat 99% jointed, 91% 1999, 88% avg.; 83% boot, 40% 1999, 58% avg.; 72% headed, 22% 1999, 26% avg.; 21% very poor, 23% poor, 12% fair, 44% good. Corn 99% planted, 97% 1999, 96% avg.; 96% emerged, 78% 1999, 78% avg.; 10% fair, 86% good, 4% excellent. Dry beans 69% planted, 72% 1999, 68% avg.; 14% emerged, 28% 1999, 27% avg. Sugarbeets 13% fair, 67% good, 20% excellent. Range flock ewes lambing 99%, 87% 1999, 85% avg. Livestock moved to summer ranges: 75% cattle, 45% sheep. Range, pasture feed 1% very poor, 4% poor, 42% fair, 51% good, 2% excellent. Stock water supplies 5% very short, 25% short, 70% adequate.

**International Weather and Crop Summary**

May 28 - June 3, 2000

**HIGHLIGHTS**

**EUROPE:** Unfavorably dry weather in eastern Germany, Hungary, and Romania continued to hamper winter grain and summer crop development.

**FSU-WESTERN:** Dryness persisted from Moldova eastward through southern Ukraine into parts of southern Russia, stressing winter wheat in the reproductive to filling stages of development.

**FSU-NEW LANDS:** Wet weather caused further spring grain planting delays in Russia, while cool, showery weather hampered final planting activities in Kazakstan.

**EASTERN ASIA:** In the North China Plain, dry weather in the north aided winter wheat harvesting, while to the south, heavy showers delayed fieldwork, but boosted soil moisture for summer crops.

**SOUTH AMERICA:** In southern Brazil, dryness reduced soil moisture for winter wheat and second-crop corn development, while dry weather favored summer crop harvesting in Argentina.

**AUSTRALIA:** Scattered showers moistened topsoils in southeastern winter grain areas.

**SOUTH ASIA:** The southwest monsoon arrived on schedule.

**SOUTHEAST ASIA:** Widespread heavy showers maintained moisture supplies for rice in Indochina.

**CANADA:** Beneficial rain covered the southern Prairies, but cool weather slowed germination.

**MEXICO:** Across the southern plateau Corn Belt, widespread showers boosted soil moisture for corn planting.

**May 2000**

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

\*\*\* DATA NOT AVAILABLE

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	17	6	27	1	11	2.1	121	60
SWEDEN	STOCKHOLM	18	7	25	0	12	1.8	0	-30
FINLAN	HELSINKI	16	6	24	-3	11	0.9	27	-7
UKINGD	ABERDEEN	14	6	21	0	10	0.6	81	22
	MANCHESTER	17	8	25	4	13	1.2	71	10
	NOTTINGHAM	16	8	26	5	12	0.1	62	12
	SOUTHAMPTON	18	10	25	6	14	1.5	99	47
IRELAN	DUBLIN	15	6	20	2	11	0.0	49	-6
ICELAN	REYKJAVIK	9	4	13	-1	7	0.6	55	11
DENMAR	COPENHAGEN	18	8	25	4	13	1.0	32	-10
LUXEMB	LUXEMBOURG	19	11	27	5	15	2.7	77	2
SWITZE	ZURICH	20	11	27	6	16	3.5	138	32
	GENEVA	22	12	28	7	17	3.9	52	-22
FRANCE	PARIS/LEBOURG	20	12	28	6	16	2.7	52	-11
	STRASBOURG	22	12	28	6	17	3.2	131	54
	BOURGES	21	11	28	5	16	2.7	43	-37
	BORDEAUX	23	13	29	8	18	3.2	99	22
	TOULOUSE	23	12	29	6	17	2.9	63	-11
	MARSEILLE	25	15	27	11	20	2.7	26	-16
SPAIN	VALLADOLID	22	10	30	6	16	2.1	60	13
	MADRID	23	10	33	7	17	0.2	44	3
	SEVILLE	27	16	37	12	22	1.5	90	51
PORTUG	LISBON	22	14	28	11	18	0.6	57	15
GERMAN	HAMBURG	20	9	30	3	15	2.4	36	-20
	BERLIN	22	11	32	7	16	2.5	28	-28
	DUSSELDORF	21	11	29	4	16	2.0	84	24
	LEIPZIG	22	10	30	6	16	3.1	29	-22
	DRESDEN	22	10	29	6	16	3.0	26	-37
	STUTTGART	20	10	28	3	15	2.2	89	10
	NURNBERG	22	9	29	2	15	2.1	56	-9
	AUGSBURG	20	8	27	1	14	1.3	141	56
AUSTRI	VIENNA	23	11	31	6	17	2.0	13	-49
	INNSBRUCK	23	10	29	2	16	3.0	86	-6
CZECHR	PRAGUE	21	9	28	4	15	2.5	57	-22
POLAND	WARSAW	21	9	30	0	15	1.5	35	-22
	LODZ	21	9	30	2	15	2.3	60	9
	KATOWICE	21	9	29	1	15	2.1	80	12
	PRZEMYSL	21	9	29	0	15	1.8	62	-14
HUNGAR	BUDAPEST	25	12	31	7	18	2.3	28	-27
YUGOSL	BELGRADE	26	14	32	9	20	2.5	36	-36
ROMANI	BUCHAREST	26	9	31	1	17	0.4	39	-32
BULGAR	SOFIA	23	10	28	1	17	2.0	12	-62
ITALY	MILAN	26	15	30	11	21	4.4	90	-6
	VERONA	25	14	29	11	20	2.5	48	-37
	VENICE	24	15	30	10	19	2.3	106	41
	GENOA	23	17	29	14	20	2.2	27	-81
	ROME	24	14	28	10	19	1.6	6	-29
	NAPLES	26	16	29	10	21	3.1	22	-30
GREECE	THESSALONIKA	26	15	33	8	21	1.1	45	-1
	LARISSA	28	12	33	4	20	0.9	19	-18
	ATHENS	26	17	29	10	21	0.8	3	-20
TURKEY	ISTANBUL	22	13	29	8	18	1.8	27	-3
	ANKARA	20	6	26	-1	13	-3.6	26	-16
CYPRUS	LARNACA	27	17	32	14	22	1.0	0	-11
ESTONI	TALLINN	16	6	25	-3	11	1.2	27	-7
RUSSIA	ST.PETERSBURG	15	6	29	-1	11	-0.2	36	-2
LITHUA	KAUNAS	19	6	28	-3	13	0.3	41	-14
BELARU	MINSK	19	7	30	-1	13	0.0	19	-42
RUSSIA	KAZAN	13	5	27	-3	9	-4.4	42	7
	MOSCOW	16	5	31	-2	11	-2.4	38	-16
	YEKATERINBURG	13	5	26	-1	9	-2.2	74	30
	OMSK	17	7	27	-1	12	0.0	84	51
	KRASNOYARSK	16	6	25	-7	11	***	94	**
	NOVOSIBIRSK	17	7	26	-4	12	2.4	68	35
	BARNAUL	18	8	28	-9	13	1.3	94	56
	KHABAROVSK	19	8	27	4	13	1.6	75	17
	VLADIVOSTOK	13	6	27	0	9	-0.2	70	2
UKRAIN	KIEV	20	10	29	2	15	0.1	73	22
	LVOV	21	8	28	1	14	1.3	64	-11
	KIROVOGRAD	21	9	29	-1	15	-0.4	40	-8

Based on Preliminary Reports

May 2000

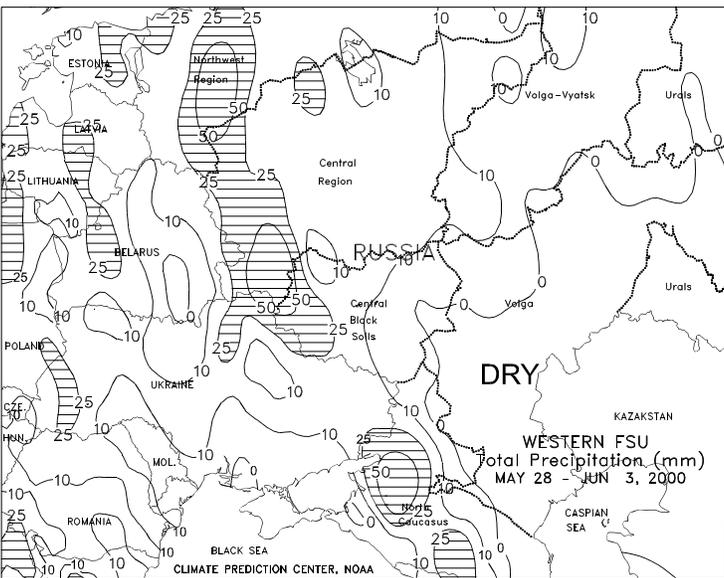
COUNTRY CITY	TEMPERATURE (C)						PRECIPITATION (MM)			COUNTRY CITY	TEMPERATURE (C)						PRECIPITATION (MM)		
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM	AVG MAX		AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM		
RUSSIA ODESSA	21	12	28	5	17	1.6	21	-17	TANZAN DAR ES SALAAM	30	21	32	18	26	0.1	43	-111		
RUSSIA YALTA	21	13	27	6	17	0.7	15	-10	GABON LIBREVILLE	30	25	32	22	27	0.7	109	-159		
RUSSIA VORONEZH	18	6	30	-1	12	***	18	**	TOGO LOME	32	26	34	22	29	1.3	125	-23		
RUSSIA SARATOV	15	7	26	-1	11	-3.4	33	-16	BURKIN OUAGADOUGOU	37	27	43	20	32	0.8	170	98		
RUSSIA VOLGOGRAD	18	7	29	-2	12	-4.5	23	-9	COTE D ABIDJAN	31	26	34	23	29	1.2	264	-12		
UKRAIN ZDANOV	19	10	27	1	15	-1.0	38	-29	MOZAMB MAPUTO	26	**	31	12	**	***	34	4		
RUSSIA ASTRAKHAN	21	10	31	2	15	-3.1	33	9	MALAWI CHILEKA	**	**	30	8	**	***	**	**		
RUSSIA KRASNODAR	21	10	29	2	16	-1.5	46	-16	ZIMBAB HARARE	22	11	25	7	17	1.3	76	66		
KAZAKS ATBASAR	17	5	25	-3	11	-1.8	21	-13	S AFRI PRETORIA	21	7	24	2	14	-0.5	16	3		
RUSSIA ORENBURG	16	6	27	-2	11	-4.6	58	29	KROONSTAD	19	5	22	-1	12	***	51	**		
KAZAKS KARAGANDA	**	**	22	0	**	***	77	41	JOHANNESBURG	17	4	20	-6	11	-2.0	25	11		
GEORGI TBILISI	23	13	32	7	18	0.5	35	-43	BETHAL	18	2	21	-3	10	-1.7	29	10		
UZBEKI TASHKENT	30	15	35	7	22	1.9	1	-45	DURBAN	23	14	27	9	19	-0.6	163	101		
TURKME ASHKHABAD	31	19	36	13	25	2.1	0	-28	CAPE TOWN	21	11	31	5	16	1.4	59	-9		
SYRIA DAMASCUS	30	11	36	1	20	0.0	0	-5	CANADA TORONTO	19	9	30	3	14	1.9	123	57		
ISRAEL JERUSALEM	25	13	32	8	19	-0.2	0	-4	MONTREAL	18	8	28	2	13	0.4	189	121		
INDIA AMRITSAR	40	25	44	16	33	2.8	19	0	WINNIPEG	19	3	32	-4	11	-0.7	60	0		
INDIA NEW DELHI	40	28	43	22	34	1.7	16	-8	REGINA	19	3	27	-5	11	-0.6	103	52		
INDIA AHMEDABAD	40	27	43	23	33	-0.5	73	58	SASKATOON	18	3	28	-7	10	-1.0	21	-23		
INDIA INDORE	37	24	44	20	31	-1.6	62	45	LETHBRIDGE	19	3	25	-6	11	-0.3	53	3		
INDIA CALCUTTA	35	26	38	20	30	-1.3	256	174	CALGARY	16	2	22	-5	9	-0.9	29	-24		
INDIA VERAVAL	32	27	34	24	30	1.2	16	14	EDMONTON	16	4	21	-1	10	-1.8	52	8		
INDIA BOMBAY	33	27	35	24	30	-0.1	292	272	VANCOUVER	15	8	21	4	12	-0.5	104	42		
INDIA POONA	35	23	41	17	29	-0.9	23	-21	MEXICO GUADALAJARA	29	18	33	10	23	-0.7	1	-26		
INDIA BEGAMPET	37	25	43	19	31	-1.3	50	16	MEXICO MEXICO CITY	**	**	25	11	**	***	20	-31		
INDIA KAKINADA	38	28	43	23	33	0.8	5	-41	MEXICO ACAPULCO	31	24	33	19	27	-0.7	26	5		
INDIA MADRAS	39	28	43	24	33	0.3	19	-9	BERMUD ST. GEORGES	25	20	28	16	23	0.6	46	-56		
INDIA MANGALORE	33	24	35	22	29	-0.4	209	-24	BAHAMA NASSAU	30	22	33	18	26	0.5	12	-101		
N KORE NAMPO	21	12	29	8	17	0.0	21	-28	CUBA HAVANA/MARTI	32	21	34	16	27	0.6	86	-62		
S KORE SEOUL	23	13	31	8	18	1.6	87	1	JAMAIC KINGSTON	32	25	34	24	29	1.1	6	-62		
JAPAN SAPPORO	19	11	28	5	15	2.6	79	24	P RICO SAN JUAN	30	24	32	21	27	-0.2	120	-24		
JAPAN NAGOYA	25	16	30	10	21	2.0	117	-42	GUADEL RAIZET	31	24	32	22	27	1.0	56	-43		
JAPAN TOKYO	24	17	30	13	20	1.8	110	-28	MARTIN LAMENTIN	30	24	32	22	27	0.9	94	-22		
JAPAN YOKOHAMA	24	16	29	13	20	2.0	77	-87	BARBAD BRIDGETOWN	30	25	31	23	28	0.2	94	42		
JAPAN KYOTO	26	16	33	9	21	2.4	149	-7	TRINID PORT OF SPAIN	32	24	33	23	28	1.0	129	32		
JAPAN OSAKA	26	17	32	12	21	2.0	92	-49	COLOMB BOGOTA	19	10	20	6	14	0.3	299	217		
THAILA PHITSANULOK	34	25	37	22	30	-0.8	178	-10	F GUIA CAYENNE	29	24	31	22	26	0.5	571	-38		
THAILA BANGKOK	34	27	36	23	30	0.5	258	38	BRAZIL FORTALEZA/PINT	31	25	32	24	28	1.3	178	-24		
MALAYS KUALA LUMPUR	34	25	36	22	29	2.1	191	-1	RECIFE	29	22	30	20	26	0.3	264	-42		
VIETNA HANOI	32	25	38	19	28	0.4	105	-91	BELO HORIZONTE	25	16	29	13	21	0.3	2	-27		
CHINA HARBIN	22	10	32	2	16	2.2	50	14	CAMPO GRANDE	29	18	33	9	23	1.6	52	-29		
CHINA HAMI	30	14	36	9	22	1.7	2	-1	FRANCA	25	15	28	9	20	3.1	19	-39		
CHINA LANCHOW	28	13	32	9	20	3.5	6	-32	RESENDE	25	14	34	7	20	0.4	50	13		
CHINA BEIJING	27	14	34	9	20	0.2	42	14	LONDRINA	25	13	30	5	19	-0.3	47	-56		
CHINA TIENTSIN	27	15	36	10	21	0.4	56	23	SANTA MARIA	21	12	29	4	17	0.5	143	13		
CHINA LHASA	20	7	27	1	13	0.8	34	7	PORTO ALEGRE	22	12	30	5	17	0.3	0	-115		
CHINA KUNMING	23	15	28	10	19	-0.2	189	97	PERU LIMA	21	16	23	14	19	-0.2	0	0		
CHINA CHENGCHOW	29	17	39	11	23	2.1	21	-31	BOLIVI LA PAZ	16	-2	20	-6	7	-0.6	11	-3		
CHINA YECHANG	29	19	37	15	24	2.6	100	-23	CHILE SANTIAGO	18	4	25	-1	11	0.1	19	-21		
CHINA HANKOW	29	20	36	17	25	2.9	171	22	ARGENT FORMOSA	23	14	34	7	19	-0.5	291	173		
CHINA NEIJIANG	30	20	36	16	25	1.3	24	-64	POSADAS	22	13	29	7	18	-0.5	150	13		
CHINA CHIHKIANG	27	17	35	14	22	1.2	121	-87	CERES	20	11	28	4	15	-0.6	55	26		
CHINA NANJING	28	18	35	11	23	2.6	94	-1	CORDOBA	18	8	28	1	13	-1.1	48	26		
CHINA HANGZHOU	28	18	34	13	23	3.1	83	-81	RIO CUARTO	16	9	23	5	13	-0.5	94	71		
CHINA NANCHANG	28	20	35	15	24	2.2	112	-143	ROSARIO	18	10	22	4	14	0.3	307	259		
CHINA TAIPEI	29	23	33	19	26	1.4	85	-134	BUENOS AIRES	17	10	22	3	13	0.4	282	207		
CHINA CANTON	30	23	34	18	26	1.0	202	-64	SANTA ROSA	16	6	23	-1	11	0.2	95	67		
CHINA NANNING	30	22	34	18	26	0.0	155	-33	TRES ARROYOS	16	8	22	-1	12	1.1	48	-18		
CANARY LAS PALMAS	23	18	27	16	21	0.6	0	-2	SAMOA PAGO PAGO	31	25	34	23	28	0.9	319	68		
MOROCC CASABLANCA	22	16	26	12	19	1.4	15	-5	TAHITI PAPEETE	31	23	32	20	27	0.8	87	-6		
MOROCC MARRAKECH	28	15	40	12	22	1.4	15	-7	NZEALA AUCKLAND	17	13	21	9	15	***	108	**		
ALGERI ALGER	26	15	34	10	20	2.4	54	18	WELLINGTON	15	12	18	5	13	***	64	**		
ALGERI BATNA	29	13	33	7	21	4.8	123	84	AUSTRA DARWIN	31	22	33	16	27	-0.7	3	-26		
TUNISI TUNIS	27	17	32	11	22	3.0	21	-2	GOONDIWINDI	22	10	30	1	16	0.4	19	-20		
NIGER NIAMEY	41	30	44	22	36	2.0	4	-31	BRISBANE	23	14	26	5	18	-0.5	73	-24		
MALI TIMBUKTU	41	30	45	18	36	1.4	6	2	PERTH	22	10	27	5	16	-0.3	26	-78		
MALI BAMAKO	37	26	42	22	32	0.5	41	-11	CELUNA	19	9	30	3	14	-0.7	9	-26		
MAURIT NOUAKCHOTT	30	19	42	17	25	-0.8	0	0	ADELAIDE	17	10	21	6	13	-0.6	64	8		
SENEGA DAKAR	25	20	26	18	22	-0.5	0	0	MELBOURNE	16	8	20	2	12	-0.7	45	-11		
CHAGOS DIEGO GARCIA	29	27	32	25	28	0.7	149	-41	WAGGA	16	6	25	-1	11	-1.1	72	12		
LIBYA TRIPOLI	32	18	44	10	25	1.9	3	-1	CANBERRA	14	4	21	-3	9	-0.2	43	-2		
LIBYA BENGHAZI	28	19	36	11	24	1.2	1	-3	INDONE BANDUNG	30	21	33	18	25	2.4	183	38		
EGYPT CAIRO	32	19	39	15	25	0.3	0	0	PHILIP MANILA	**	**	34	25	**	***	**	**		
EGYPT ASWAN	40	24	44	19	32	1.4	0	0											
KENYA NAIROBI	26	14	28	11	20	1.0	21	-89											

Based on Preliminary Reports



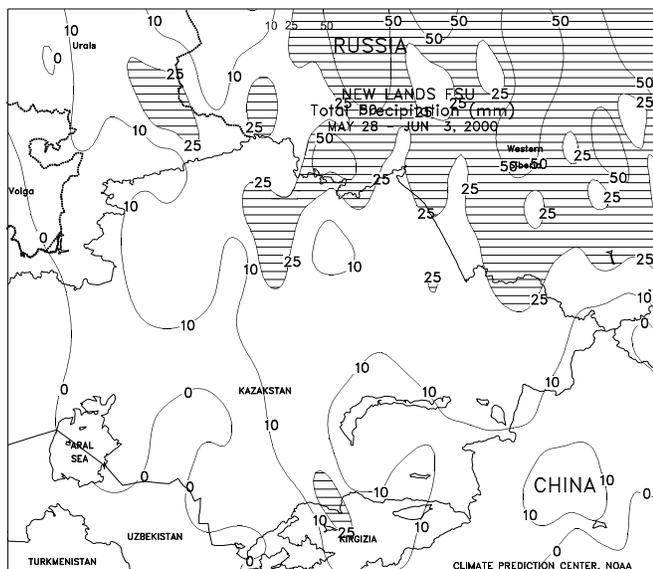
**EUROPE**

In England, much of France, the Benelux countries, and western and southern Germany, scattered showers (16-50 mm) maintained adequate moisture supplies for vegetative summer crops and reproductive to filling winter grains. In southwestern Europe, mainly light showers (5-43 mm) fell along the northern coast of Spain. Otherwise, hot, dry weather helped winter wheat and barley maturation across the central and southern Iberian peninsula. In Italy, light showers (5-27 mm) benefited vegetative corn, rice, and soybeans in the northern Po River Valley, while mainly dry weather in central and southern Italy helped winter grain dry down. Farther east, scattered showers (10-41 mm, with locally higher amounts) in Poland, the Czech Republic, Austria, Bulgaria, and the Balkans improved topsoil moisture for vegetative summer crops and reproductive to filling winter grains. In contrast, unfavorable dryness persisted in northeastern Germany, Hungary, and Romania, hampering winter grain and summer crop development. Cooler weather (maximum temperatures between 15 and 22 degrees C) during midweek, however, helped ease heat stress to crops in these countries. Overall, temperatures across northern and eastern Europe averaged near normal (within 2 degrees C of normal). In contrast, temperatures in southwestern Europe were unseasonably warm (3-7 degrees C above normal), reducing topsoil moisture for non-irrigated summer crops.



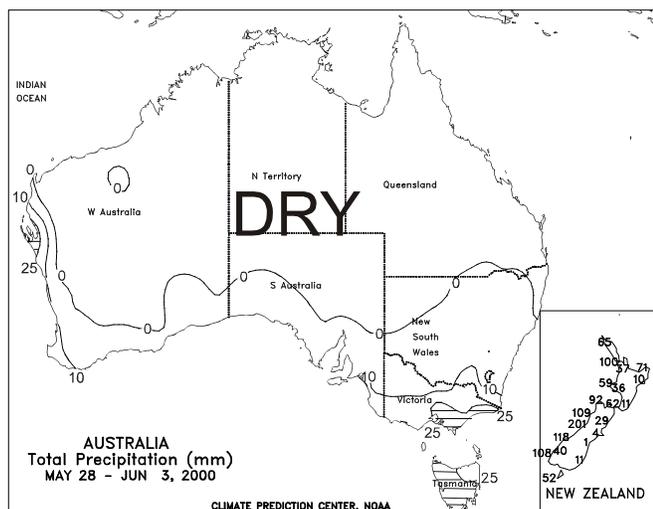
**FSU-WESTERN**

Unfavorably dry weather persisted from Moldova eastward into southern Ukraine, stressing winter wheat in the reproductive to filling stages of development and spring-sown crops in the vegetative stage. Farther north, a cold front remained nearly stationary over western areas in Russia (Northwest Region, western Central Region, and the western portion of the Central Black Soils Region), producing moderate showers (25-50 mm or more). A nearly stationary upper-level low pressure system produced daily showers (10-69 mm) in the western North Caucasus, benefiting filling winter wheat and spring-sown crops. A ridge of high pressure kept crop areas in eastern Russia (Volga Vyatsk, Volga Valley, and the northern tip of the North Caucasus) mostly dry. The dryness in the lower Volga Valley and the northern tip of the North Caucasus has persisted for several weeks, limiting moisture for winter wheat in or nearing reproduction. Rain is needed soon to prevent significant declines in crop conditions. Furthermore, at week's end, temperatures rose into the low 30's degrees C in these areas, increasing crop-water requirements and further depleting soil moisture. Elsewhere, light to moderate showers (10-41 mm) fell from the Baltics southward through western Belarus, benefiting winter grains and spring-sown crops. However, pockets of dryness still persisted in central and southern Belarus, raising concerns about adequate moisture for winter grains in or nearing reproduction. Weekly temperatures averaged 1 to 3 degrees C above normal in Ukraine, the Baltics, and Belarus, and 2 to 5 degrees C above normal in Russia.



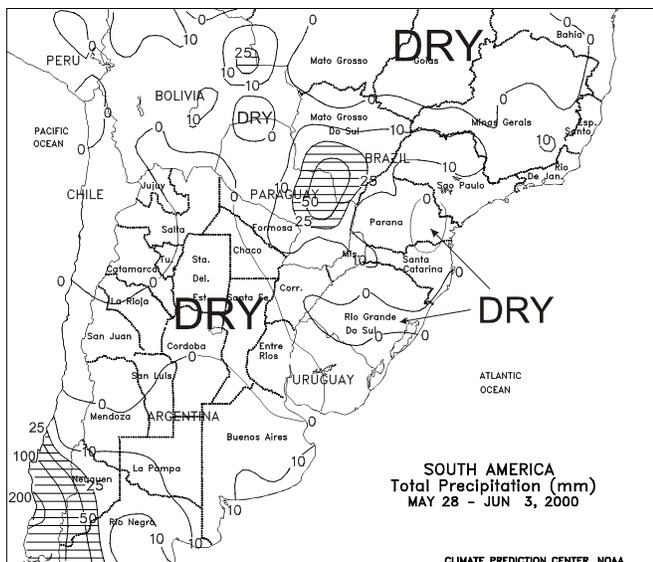
**FSU-NEWLANDS**

In Russia, mostly dry weather prevailed over the western and southern Urals, drying out wet soils and improving conditions for spring grain planting. Farther east in Western Siberia and Eastern Siberia, widespread soaking rains (25-50 mm or more) caused further spring grain planting delays. Crops planted after early June face a greater risk of autumn freeze damage. Farther south, cool, showery weather (10-33 mm) in central and eastern Kazakstan hampered late spring grain planting, but maintained abundant topsoil moisture for crop emergence and early plant establishment. In western Kazakstan, dry weather was accompanied by a warming trend, helping planting activities and spurring seed germination. Weekly temperatures averaged near to slightly above normal in Russia and western Kazakstan, and 1 to 3 degrees C below normal in central and eastern Kazakstan. In cotton-producing areas of Central Asia, seasonably dry weather accompanied near-normal temperatures, favoring crop development.



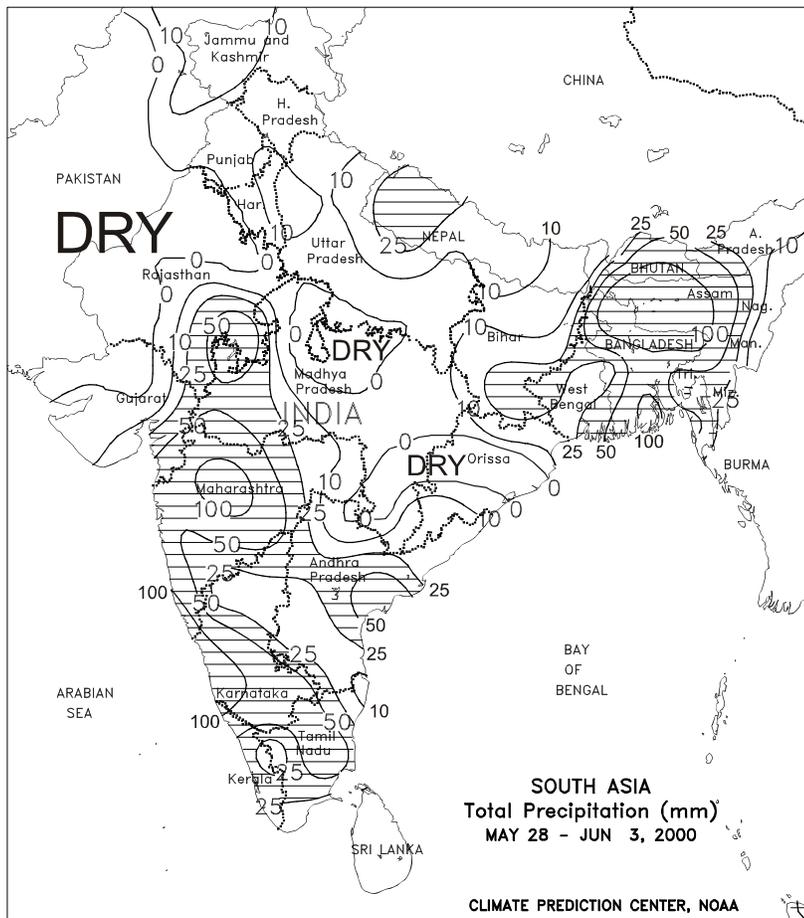
**AUSTRALIA**

Light showers (5-10 mm) swept through southwestern winter grain areas of Western Australia, boosting topsoil moisture for winter grain and oilseed germination. Dry weather persisted, however, in northern and eastern crop areas that await planting rains. Light rain kept topsoils moist in crop areas of South Australia, while somewhat heavier showers (up to 25 mm) improved local moisture reserves in Victoria. Temperatures in the west and southeast stayed above freezing, but averaged near to below normal, slowing germination. In New South Wales, cool, showery weather limited fieldwork. Dry weather covered Queensland's crop areas, including the coastal sugarcane regions. Temperatures averaged 3 to 5 degrees C below normal in New South Wales and Queensland, with freezing temperatures reported in some more northerly winter grain areas. In New Zealand, moderate to heavy rain (25-50 mm or more) covered most agricultural areas, although pockets of lighter rain (15 mm or less) continued in east-coastal areas of both North and South Island.



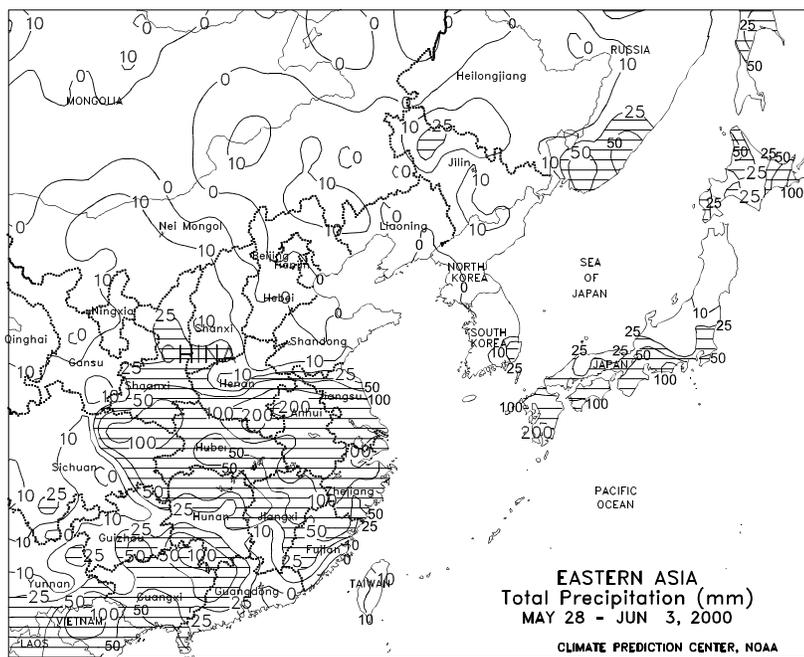
**SOUTH AMERICA**

In southern Brazil, mostly dry weather (less than 5 mm) reduced soil moisture for winter wheat and second-crop corn development. The only significant rain (10-30 mm) fell across Mato Grosso do Sul and northern Sao Paulo. Temperatures averaged 1 to 3 degrees C below normal from Parana southward. Freezing temperatures were reported in the higher elevations of eastern Santa Catarina, Parana, and Rio Grande do Sul. Across central Argentina, dry weather continued to favor summer crop harvesting after the heavy rain of 2 weeks ago. Temperatures averaged near normal across central Argentina, with freezing temperatures in Buenos Aires. According to reports as of June 2, national Argentine sorghum was 59 percent harvested. Nationally, corn was 70 percent harvested, compared with 80 percent harvested at this time last year. In the provinces, corn was 94 percent harvested in Entre Rios, 86 percent in Santa Fe, 84 percent in Buenos Aires, and 72 percent in Cordoba. Nationwide, soybeans were 81 percent harvested, compared with 91 percent harvested last year. Nationally, cotton was 33 percent harvested, compared with 59 percent last year. Early winter wheat planting and soil preparation has been delayed by the excessive May rainfall.



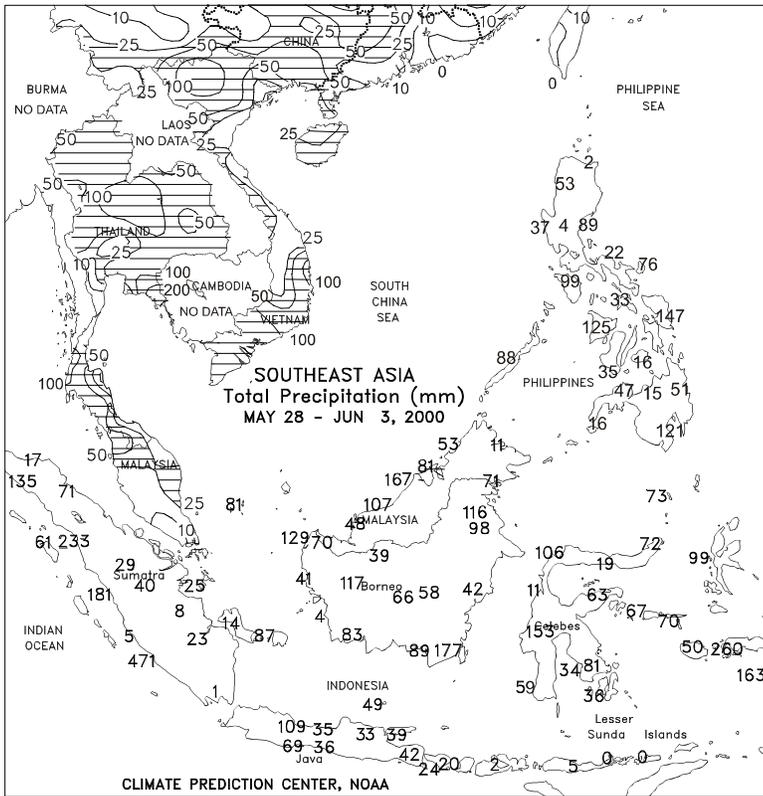
**SOUTH ASIA**

The southwest monsoon arrived on schedule, bringing beneficial rain (10-25 mm or greater, locally exceeding 50 mm) to much of southern India. Heavier rain (50-100 mm or greater) fell along the southwest coast. The moisture increased irrigation reserves for rice and other summer crops and helped condition soils for dryland planting. Rain fell as far north as the oilseed and cotton areas of western Madhya Pradesh and southeastern Rajasthan. Monsoon rains usually reach drought-stricken crop areas of Gujarat by July. Elsewhere, locally heavy rain (50-100 mm or more) continued over Bangladesh and India's eastern states, maintaining irrigation reserves for rice, but causing localized flooding. Scattered showers (5-25 mm or more) swept across northern sections of India and Pakistan, increasing local moisture reserves and bringing some heat relief. The monsoon typically becomes established in northwestern sections of the region by mid-July.



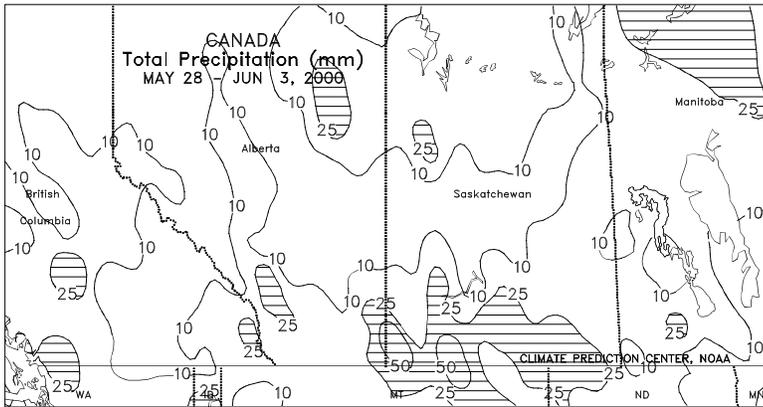
**EASTERN ASIA**

Across the northern Yellow River Basin (Hebei and Shandong), mostly dry weather continued to favor winter wheat maturation and harvesting, but reduced soil moisture for summer crop emergence. Further south across the southern portions of the Yellow River Basin (Henan, Anhui, and Jiangsu) and Yangtze River Valley, moderate to heavy showers (50-150 mm, with isolated amounts greater than 200 mm) boosted moisture supplies for summer crop development, but slowed or delayed winter wheat harvesting and caused local flooding. In Manchuria, light to moderate rain (5-30 mm) fell across Jilin, but drier weather (less than 5 mm) prevailed across Heilongjiang and Liaoning. During the past 4 weeks, rainfall was 61 percent of normal in western Heilongjiang, 94 percent in Liaoning, and 136 percent in Jilin. In southern China, moderate showers (20-60 mm) increased moisture supplies across most areas, but more rain is needed in Guangdong and Fujian. Temperatures averaged near to slightly below normal across the Yellow River Basin and 1 to 3 degrees C above normal elsewhere across China.



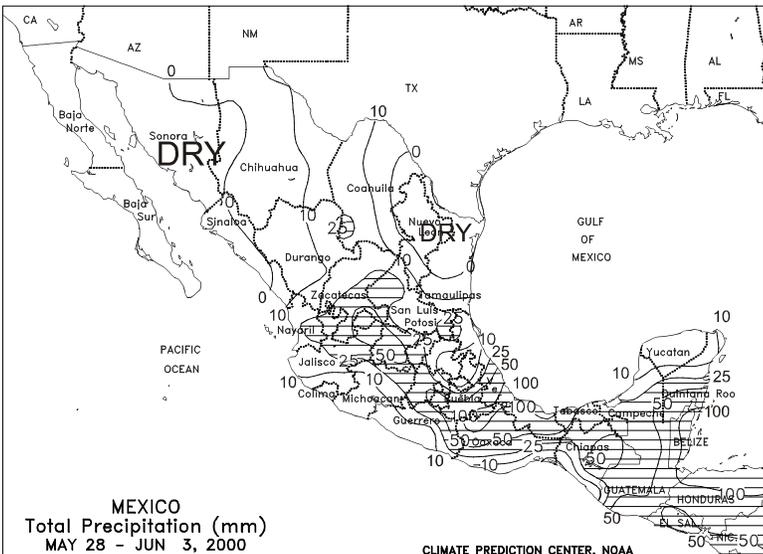
**SOUTHEAST ASIA**

Widespread showers (30-100 mm) fell throughout Indochina, maintaining moisture supplies for main-season rice and corn. Rainfall totalling nearly 100 mm in the Red River Delta of Vietnam slowed harvesting of winter-spring rice. Showers (15-50 mm) in the Philippines continued to benefit main-season rice and corn. Variable showers (10-100 mm) maintained moisture supplies for oil palm across peninsular Malaysia, while causing delays in main-season rice harvesting in Java, Indonesia.



**CANADA**

Cool, wet weather dominated the Prairies. Moderate to heavy rain (10-25 mm or more) spanned the southern Prairies, slowing fieldwork, but increasing moisture levels for germination and establishment. The rain was especially welcomed in the southwest. Elsewhere in the Prairies, showers were generally light and scattered. Temperatures averaging 2 to 4 degrees C below normal slowed early crop development throughout the region, with frost or freezing temperatures common in most locations. The recent outbreak of unseasonable cold may necessitate local replanting. In the east, moderate rain (10-25 mm or more) kept winter wheat unfavorably wet in southern Ontario. Rainfall was mostly light (2-10 mm) elsewhere, improving conditions for early corn and soybean growth. Near-normal temperatures throughout Ontario and Quebec favored early crop development.



**MEXICO**

Across the southern plateau Corn Belt, widespread showers (25-70 mm) boosted soil moisture for corn planting. Moderate to heavy showers (30-150 mm) continued to boost moisture supplies across southeastern Mexico (Oaxaca, Chiapas, Veracruz, and part of the Yucatan peninsula). Seasonably dry weather prevailed across most of northern Mexico, with only light rain (less than 10 mm) reported across Chihuahua and Coahuila. Temperatures averaged 1 to 3 degrees C below normal across central Mexico and 1 to 4 degrees C above normal in the northwest and northeast.

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**Pasture and Range Crop Condition by Percent  
Week Ending June 4, 2000**

	VP	P	F	G	EX		VP	P	F	G	EX
AL	21	23	34	21	1	NH	0	0	12	52	36
AZ	25	28	29	18	0	NJ	0	0	19	81	0
AR	1	3	20	62	14	NM	31	27	32	10	0
CA	5	10	40	40	5	NY	0	4	5	45	46
CO	1	6	42	49	2	NC	1	3	23	63	10
CT	0	0	5	65	30	ND	1	6	28	54	11
DE	0	0	15	80	5	OH	1	5	23	56	15
FL	45	40	15	0	0	OK	1	6	24	61	8
GA	34	31	27	8	0	OR	0	2	22	64	12
ID	1	11	22	57	9	PA	6	8	26	56	4
IL	1	3	17	64	15	RI	0	0	12	68	20
IN	1	4	21	56	18	SC	18	28	36	18	0
IA	13	25	32	23	7	SD	1	3	16	61	19
KS	2	11	31	48	8	TN	1	5	28	53	13
KY	0	3	22	59	16	TX	17	20	30	24	9
LA	14	16	32	33	5	UT	1	17	31	48	3
ME	0	0	0	68	32	VT	0	0	4	39	57
MD	1	3	20	54	22	VA	1	7	27	54	11
MA	0	0	2	71	27	WA	0	15	36	48	1
MI	1	4	15	54	26	WV	0	2	23	59	16
MN	1	4	26	60	9	WI	0	3	13	61	23
MS	12	17	28	37	6	WY	1	4	42	51	2
MO	26	34	30	10	0	48 Sts	9	14	27	41	9
MT	15	22	32	26	5						
NE	12	26	35	21	6	Prev	9	14	28	39	10
NV	1	18	25	45	11	Prev Yr	2	7	25	52	14

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