

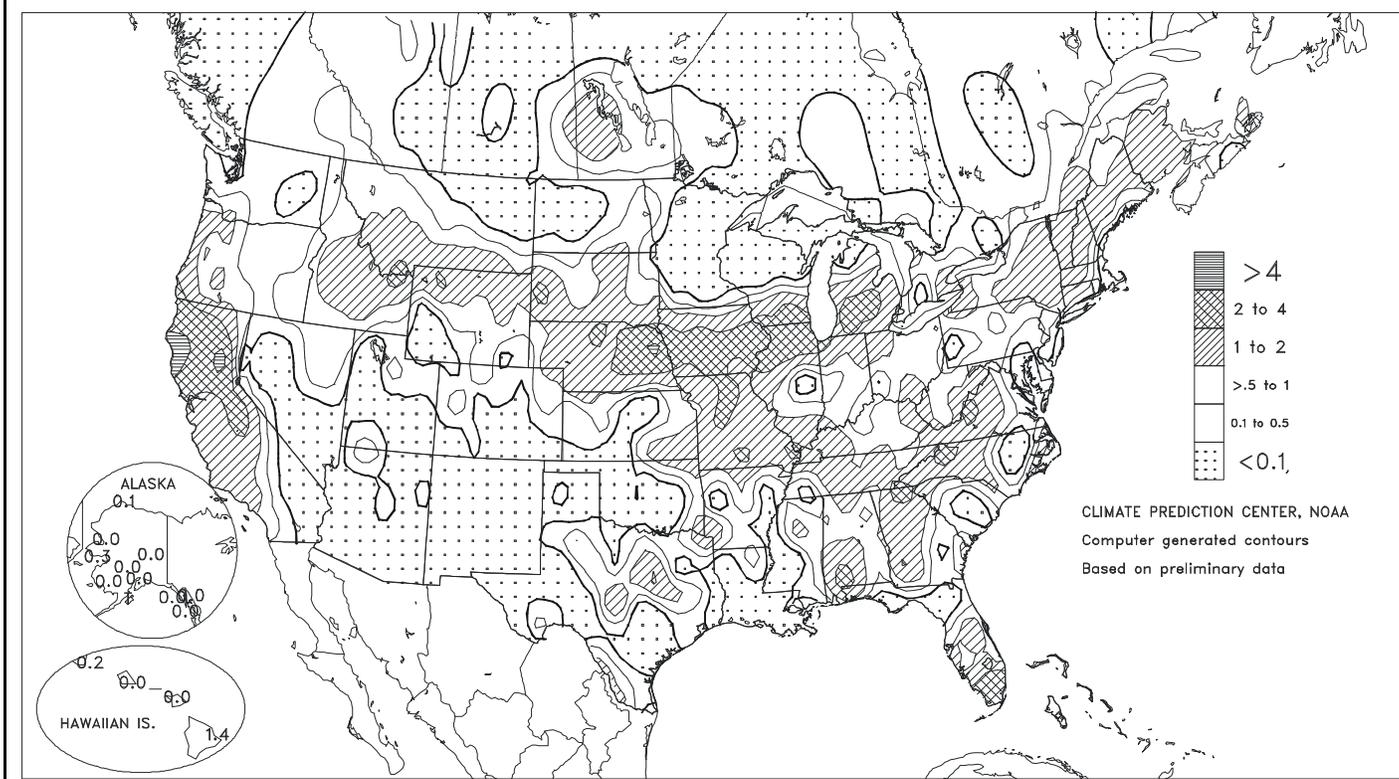
WEEKLY WEATHER AND CROP BULLETIN

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

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

Total Precipitation (Inches)

APR 27 - MAY 3, 2003



HIGHLIGHTS

April 27 - May 3, 2003

Highlights provided by USDA/WAOB

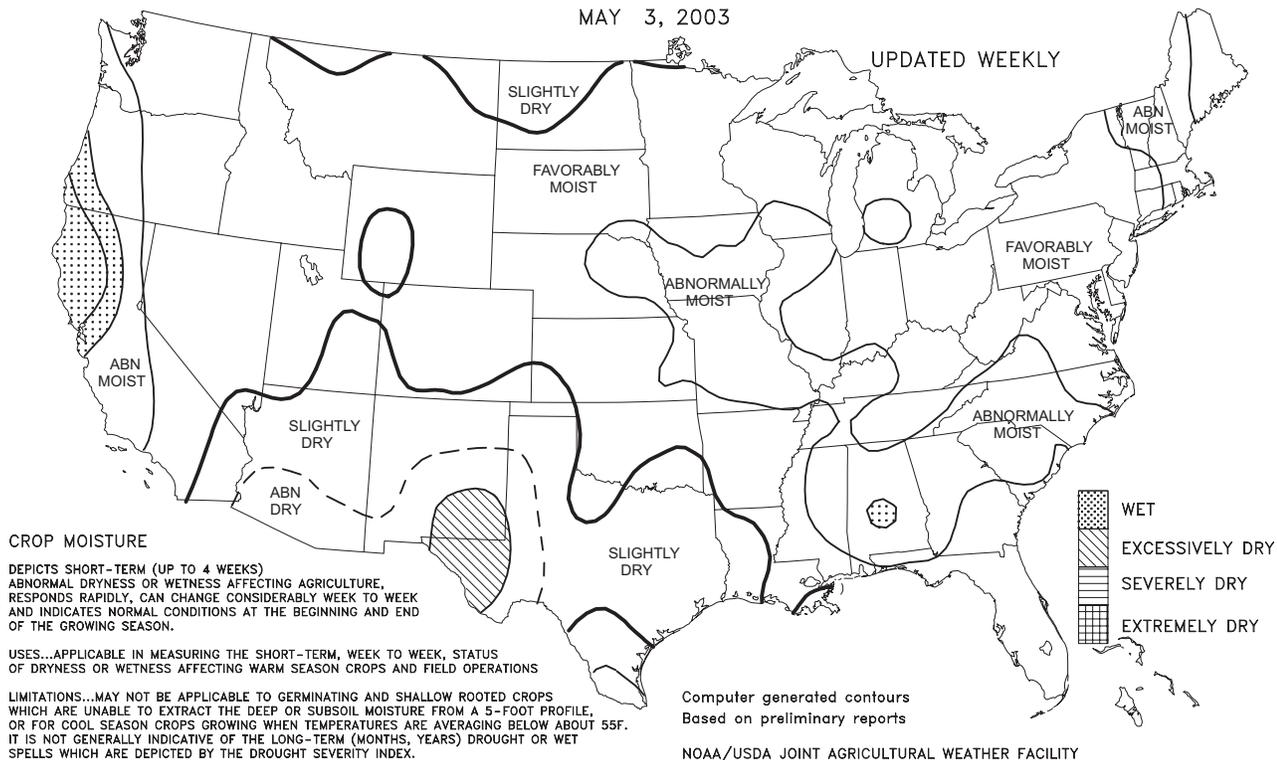
In **California**, wet weather and cool, damp soils hampered fieldwork and slowed the emergence and development of cotton and other summer crops. For the second consecutive week, **California** temperatures averaged as much as 10°F below normal. Elsewhere in the **West**, warm, dry weather prevailed in the **Four Corners region**, while rain and snow showers provided additional drought relief across the **interior Northwest**. Meanwhile on the **northern and central Plains**, topsoil moisture remained mostly favorable for winter wheat and spring-sown small grains, but some rangeland and pastures continued to exhibit the effects of long-term drought. *(Continued on page 5)*

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Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
MAY 3, 2003

UPDATED WEEKLY



CROP MOISTURE

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

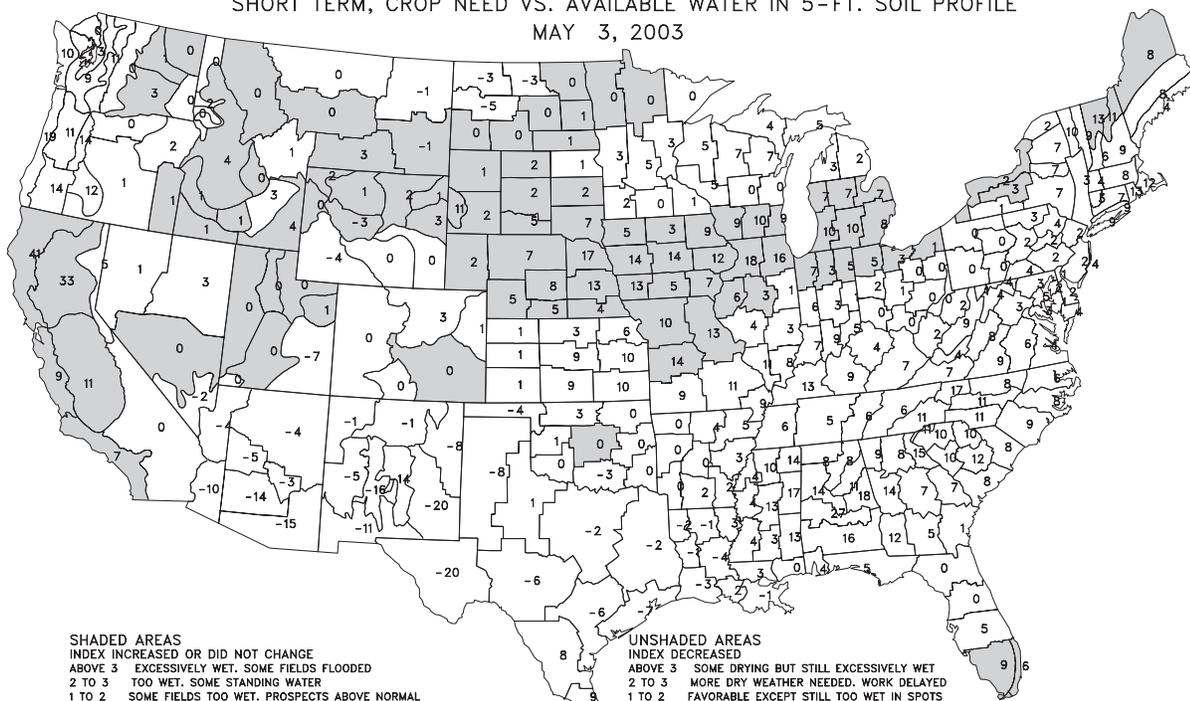
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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

Computer generated contours
Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Crop Moisture Index
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
MAY 3, 2003



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

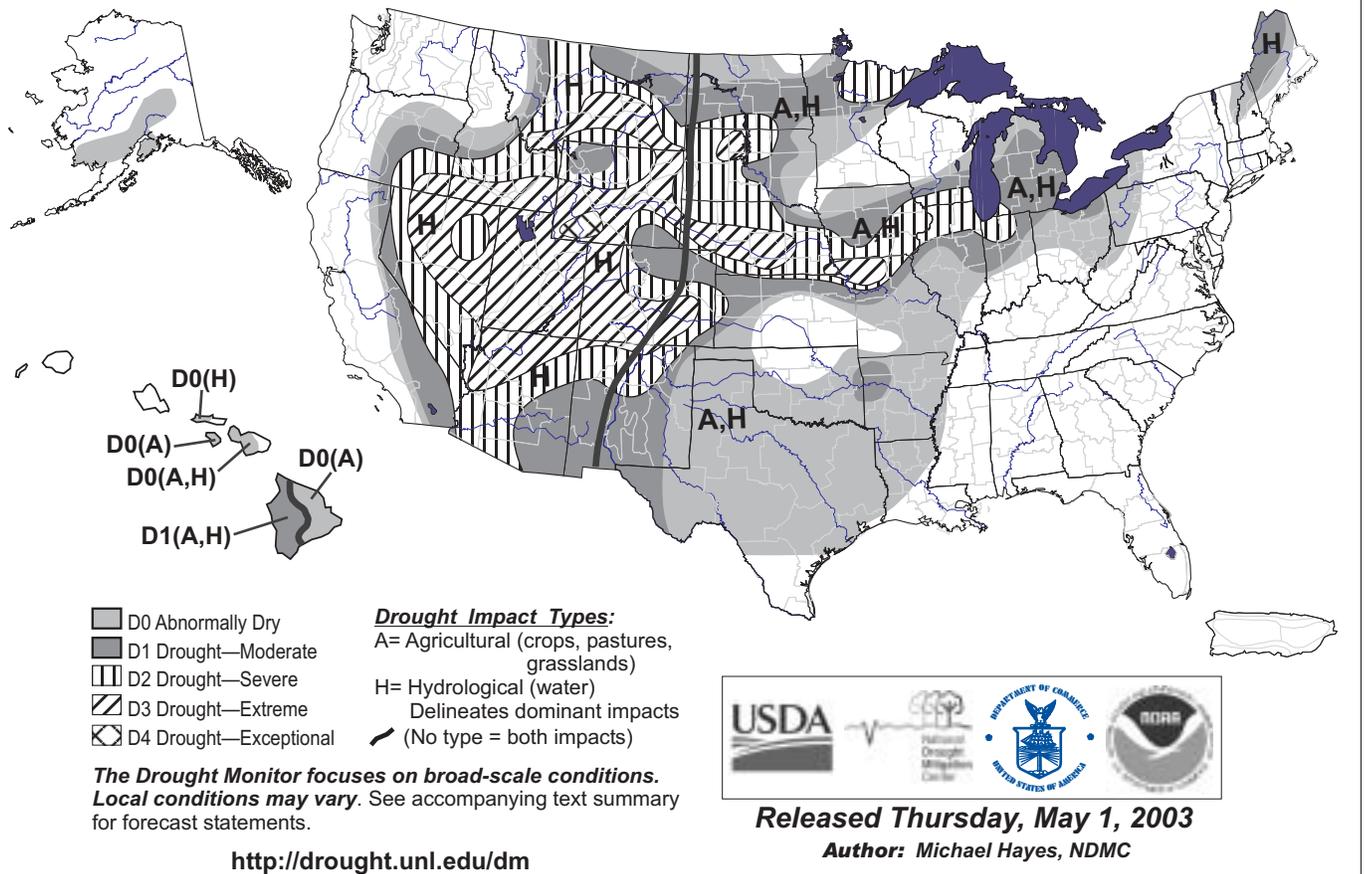
UNSHADED AREAS
INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT. GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS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

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

BASED ON PRELIMINARY DATA

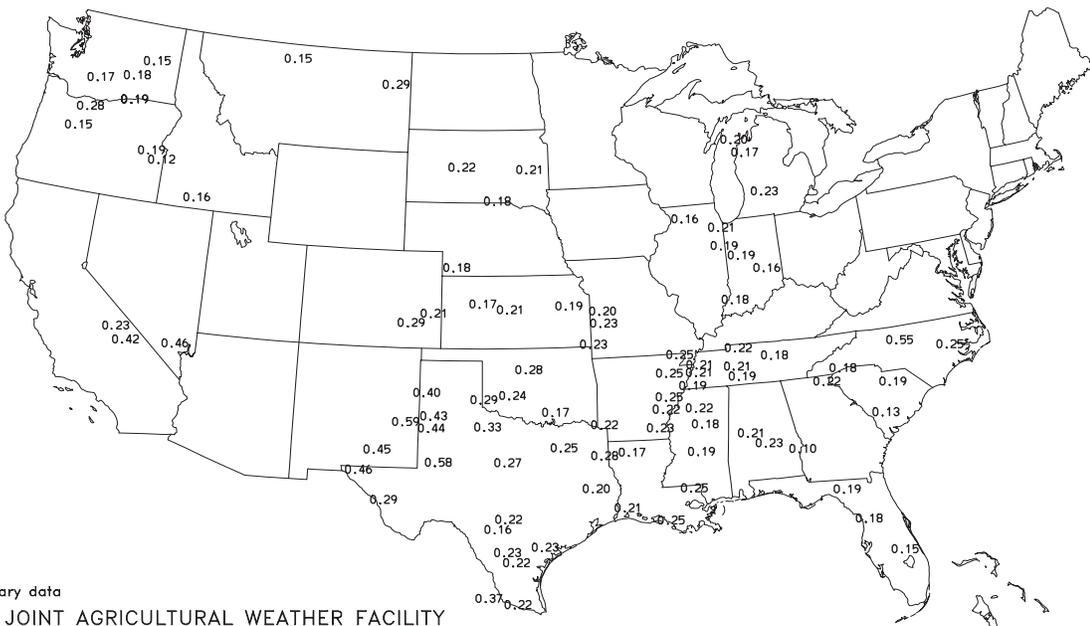
U.S. Drought Monitor

April 29, 2003
Valid 8 a.m. EDT



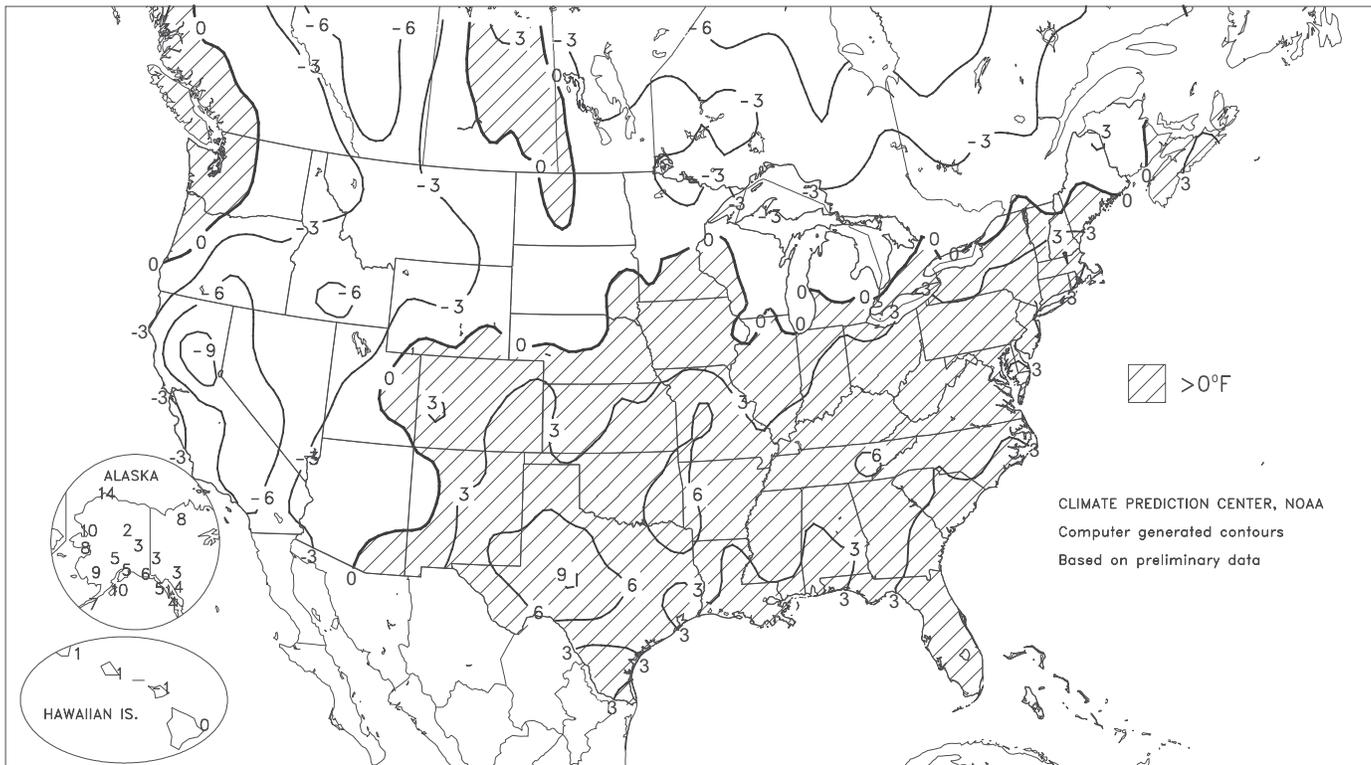
Average Pan Evaporation (Inches)

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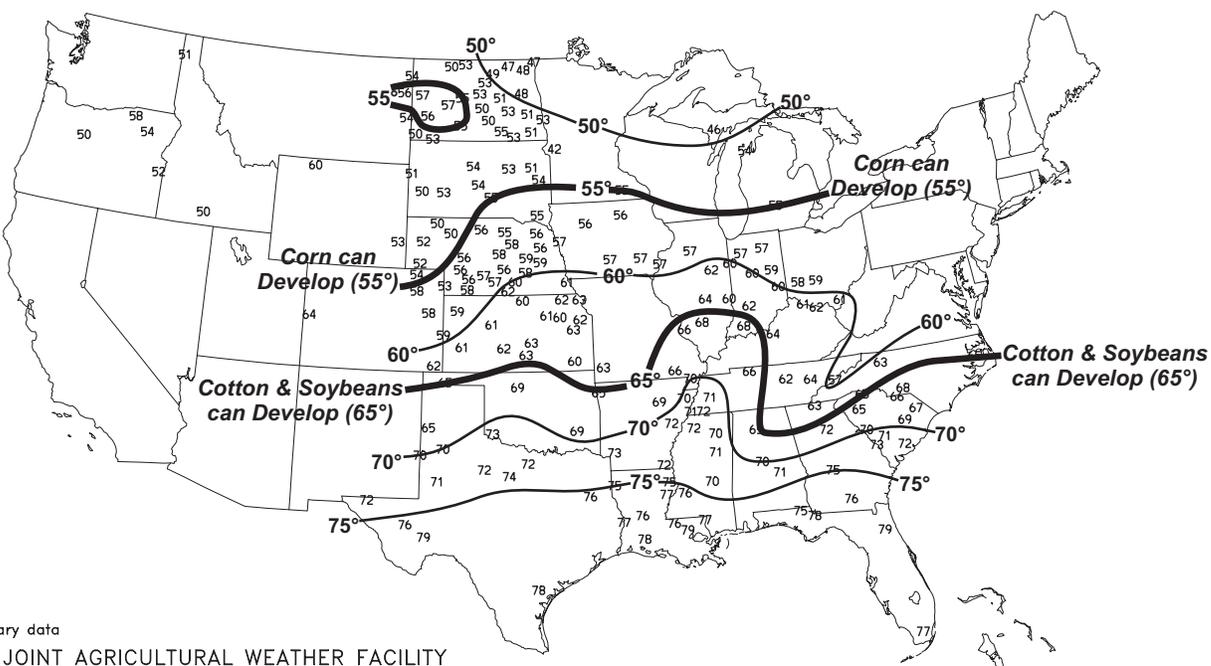
Departure of Average Temperature from Normal (°F)

APR 27 - MAY 3, 2003



Average Soil Temperature (°F, 4" Bare)

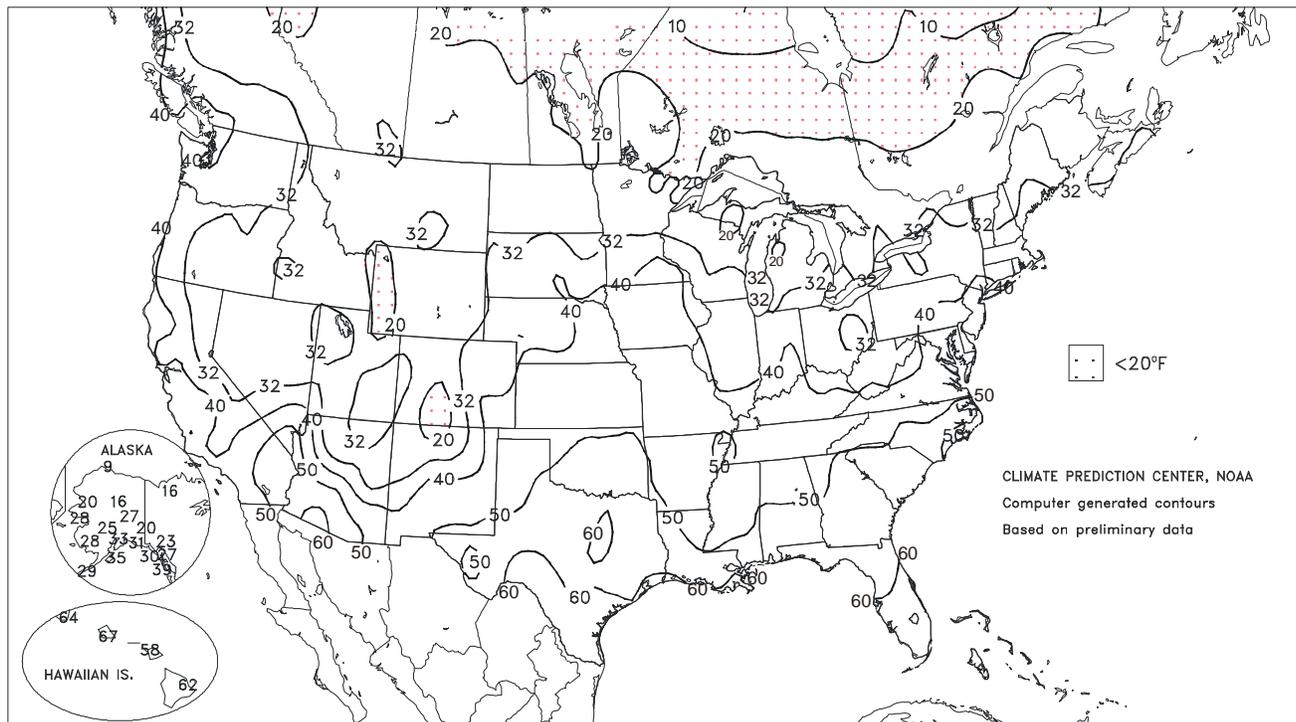
APR 27 - MAY 3, 2003



Based on preliminary data
 NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
 Supplemental data provided by High Plains Regional Climate Center

Extreme Minimum Temperature (°F)

APR 27 - MAY 3, 2003



(Continued from front cover)

Meanwhile on the **southern Plains**, warm (4 to 10°F above normal), windy, mostly dry weather further reduced soil moisture reserves for winter wheat and emerging summer crops. In contrast, at least 2 inches of rain soaked areas from **eastern Nebraska to southern Lower Michigan**, slowing spring planting operations but providing additional drought relief. Variable rains fell elsewhere in the **Corn Belt**, easing drought concerns and causing only minor fieldwork delays. Cool air settled across the **North** late in the week, resulting in frosts and freezes in the **Great Lakes region**, including **western Michigan's fruit belt**. Evaluation of potential damage to cherries and other blooming fruit trees continued at week's end. Farther south, unfavorably dry conditions expanded across most areas **west of the Delta**, increasing stress on emerging summer crops. Elsewhere, scattered showers maintained generally favorable soil moisture levels across the **interior South** and the **southern Atlantic States**, although severe thunderstorms caused localized wind and hail damage. More details on the large, deadly tornado outbreak that struck on May 4-5 in areas from the **Plains to the interior South**, including **Kansas, Missouri, and Tennessee**, will appear in next week's summary.

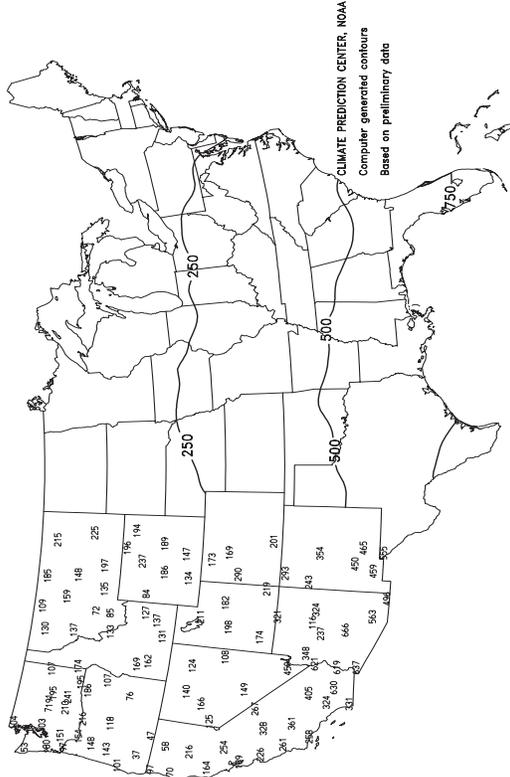
Rain fell in two primary waves, starting along the **West Coast** and advancing northeastward. Early in the week, daily-record totals in **California** included 0.62 inch (on April 28) in **San Francisco** and 1.65 inches (on April 29) in **Redding**. Farther inland, the average water equivalent of the **Sierra Nevada** snow pack was 26 inches on May 1, according to the California Department of Water Resources, a substantial increase from 20 inches at the beginning of April. Farther east, heavy rains erupted across parts of the **Plains, Midwest, and East** at month's end. Daily-record totals for April 30 included 3.37 inches in **Key West, FL**, 2.22 inches in **Chicago, IL**, and 1.87 inches in **Madison, WI**. A day later, **Grand Rapids, MI** (2.02 inches) also reported a daily-record rainfall. By May 2, heavy precipitation returned to the **West**, where record totals for the date included 1.01 inches in **Oxnard, CA**, 0.42 inch in **San Francisco**, and 0.24 inch in **Elko, NV**. **Oxnard** set another record on May 3 (0.54 inch), while daily-record totals were also set in **southern California** locations such as **Torrance** (1.82 inches), **Chatsworth** (1.20 inches), and **Simi Valley** (1.10 inches). Heavy rains and locally severe thunderstorms

returned to portions of the **Plains and Midwest** on May 4. However, mostly dry weather persisted across the **South-Central United States**, where **Austin (Bergstrom), TX** (0.06 inch, or 2 percent of normal), endured its driest April since only 0.03 inch fell in 1984, and **Galveston, TX** (4.61 inches), completed its driest January-April period since 4.03 inches was observed in 1980.

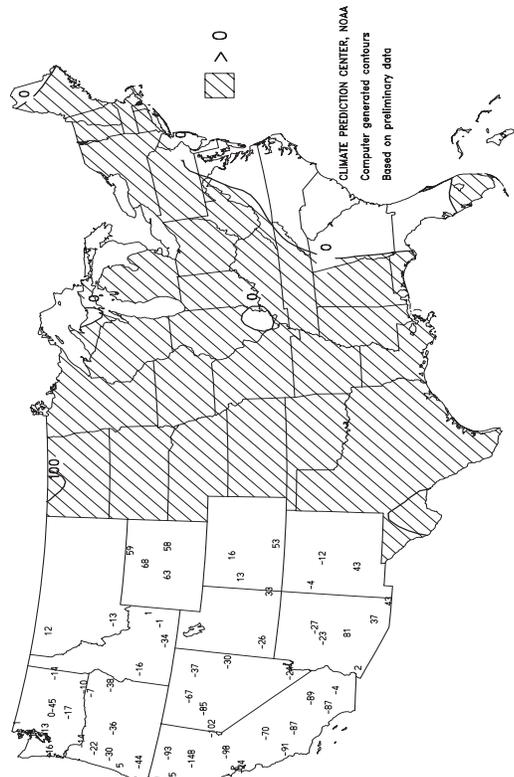
In **northwestern Lower Michigan**, **Traverse City** noted low temperatures at or below 32°F on 6 of the last 9 days in April and 3 of the first 4 days in May. Specific minima included lows of 23°F on April 23 and 25°F on April 24, 26, and May 3. Daily-record lows across the **Great Lakes region** on the last day of April included 19°F in **International Falls, MN**, and 22°F in **Marquette, MI**. Scattered daily-record lows were also noted in **California**, where **Simi Valley** (37°F) posted a daily-record low on April 29. In contrast, a few daily-record highs were reported in the **South-Central United States**, including a maximum of 92°F on May 3 in **New Orleans (Audubon Park), LA**. A day later, **Wichita Falls, TX** (97°F), also notched a record high.

Record warmth dominated **Alaska**, boosting weekly temperatures as much as 14°F above normal. **Valdez, AK**, notched daily-record highs on 8 of 9 days from April 25 to May 3, including maxima of 67°F on April 26 and 28. In addition, monthly precipitation totaled just 1.42 inches (40 percent of normal) in **Valdez**, marking its driest April since only 0.57 inch fell in 1981. Elsewhere in **Alaska**, April precipitation ranged from well below normal in locations such as **Anchorage** (0.17 inch, or 25 percent of normal) and **Fairbanks** (0.05 inch, or 24 percent), to significantly above normal in the western locations of **Bethel** (1.80 inches, or 277 percent) and **Nome** (1.10 inches, or 169 percent). Meanwhile, warm weather prevailed in **Hawaii** toward week's end. **Hawaiian** daily record-tying highs on May 3 included 88°F in **Kahului** and 87°F in **Honolulu**. **Kahului** also received record-low April rainfall, totaling 0.01 inch (normal is 1.75 inches) and breaking its April 1990 standard of 0.06 inch. In contrast, April rainfall (14.07 inches, or 112 percent of normal) accounted for 63 percent of **Hilo's** year-to-date total of 22.25 inches (49 percent).

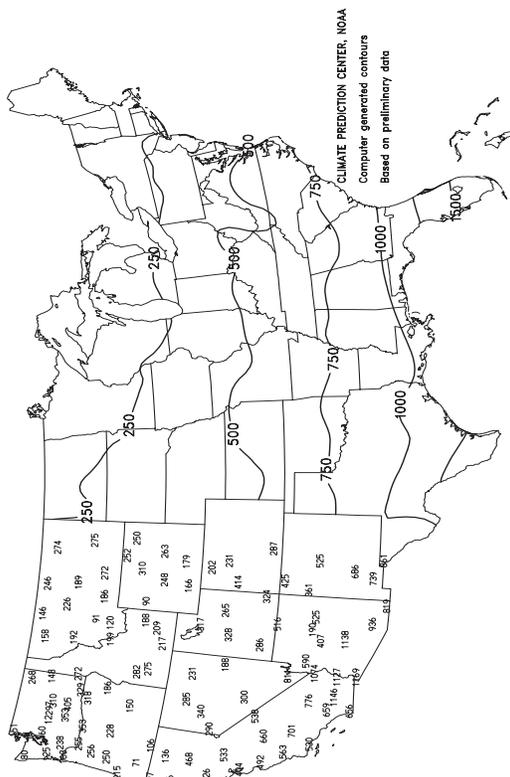
Total Growing Degree Days
APR 1 - MAY 3, 2003



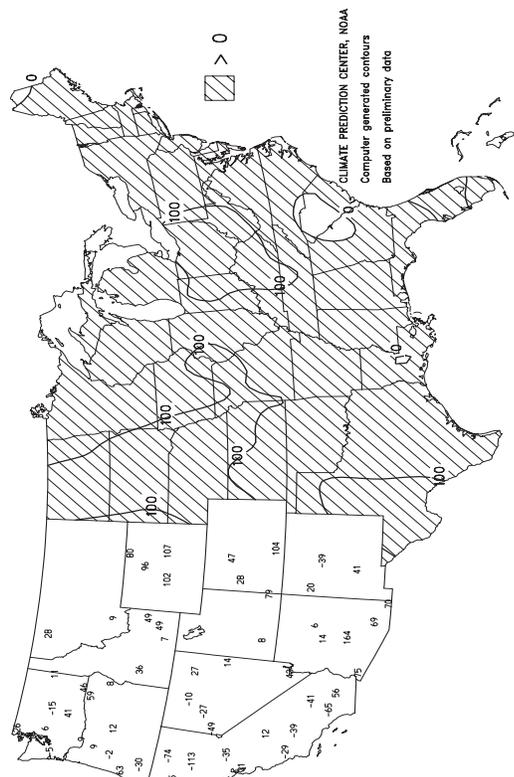
Departure From Normal Growing Degree Days
APR 1 - MAY 3, 2003



Total Growing Degree Days
MAR 1 - MAY 3, 2003



Departure From Normal Growing Degree Days
MAR 1 - MAY 3, 2003



Weather Data for Mississippi and the Missouri Bootheel

Weather Data for the Week Ending May 3, 2003

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

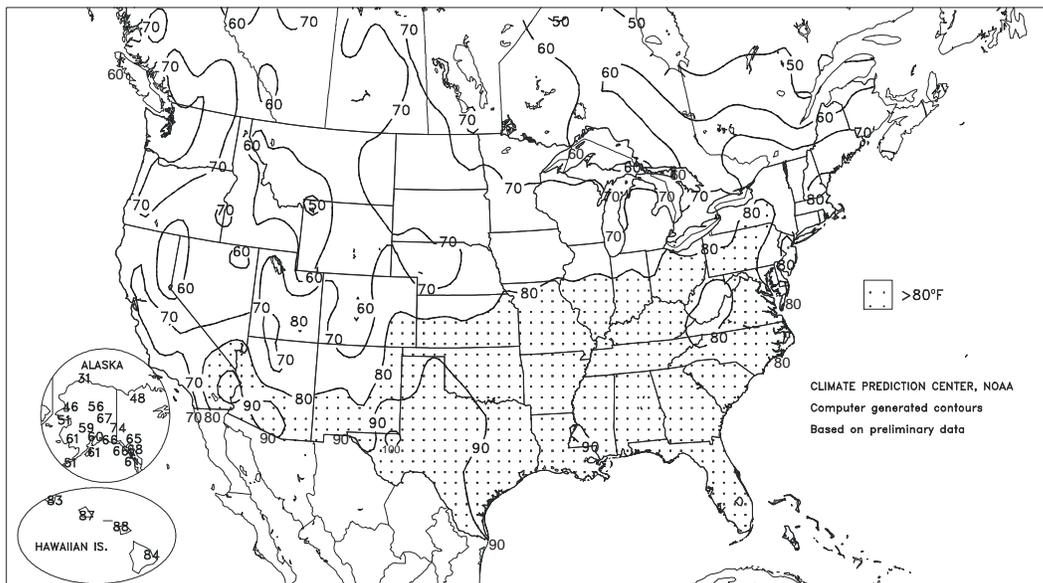
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP. °F		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
MS BATESVILLE ^x	81	59	86	52	70	6	0.13	-1.06	0.13	7.05	61	16.88	82	-	-	0	0	1	0
BELZONI ^x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARKSDALE ^x	81	60	86	52	71	4	0.10	-1.09	0.10	3.54	32	12.29	58	-	-	0	0	1	0
CLEVELAND ^x	81	58	87	51	70	2	0.14	-1.19	0.14	5.33	43	14.58	67	-	-	0	0	1	0
GREENVILLE ^x	81	61	86	51	71	3	0.22	-1.04	0.22	6.71	57	-	-	-	-	0	0	1	0
GREENWOOD ^x	84	59	88	50	71	4	0.00	-1.26	0.00	6.09	51	14.91	70	-	-	0	0	0	0
INDIANOLA 1S	87	61	89	50	74	-	0.00	-	0.00	5.52	-	12.95	-	79	70	0	0	0	0
INVERNESS 5E	86	62	88	49	74	-	0.00	-	0.00	4.36	-	13.01	-	81	69	0	0	0	0
LYON	85	60	88	50	73	-	0.11	-	0.11	5.76	-	11.85	-	79	64	0	0	1	0
MACON	84	60	89	51	72	-	0.84	-	0.81	11.00	-	21.35	-	81	68	0	0	2	1
MOORHEAD ^x	82	61	88	51	72	3	0.00	-1.26	0.00	5.89	49	16.74	76	-	-	0	0	0	0
ONWARD	86	61	89	48	73	-	0.00	-	0.00	-	-	-	-	77	69	0	0	0	0
PERTSHIRE	84	60	87	49	72	-	0.46	-	0.46	4.05	-	10.71	-	85	68	0	0	1	0
ROLLING FORK ^x	83	60	90	45	72	4	0.00	-1.26	0.00	6.05	49	16.07	71	-	-	2	0	0	0
SCOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SIDON	86	61	88	52	73	-	0.43	-	0.43	5.49	-	13.26	-	86	69	0	0	1	0
STARKVILLE	83	58	87	48	71	5	0.15	-1.07	0.10	8.26	68	20.09	88	83	67	0	0	2	0
TUNICA ^x	82	61	88	52	72	6	0.30	-1.03	0.28	-	-	-	-	-	-	0	0	2	0
TUNICA 1W	84	60	87	49	72	-	0.44	-	0.44	-	-	-	-	74	67	0	0	1	0
VANCE	84	59	86	48	71	-	0.73	-	0.73	6.43	-	12.33	-	69	64	0	0	1	1
VERONA	83	58	86	49	70	-	1.03	-	0.88	8.76	-	17.08	-	82	64	0	0	2	1
VICKSBURG ^x	82	59	91	49	70	2	0.04	-1.22	0.04	11.82	94	23.00	98	-	-	1	0	1	0
YAZOO CITY ^x	82	56	88	48	69	0	0.00	-1.33	0.00	7.40	55	16.40	66	-	-	0	0	0	0
STONEVILLE ^x	83	63	89	51	73	7	0.08	-1.14	0.08	6.40	52	15.45	68	82	69	0	0	1	0
MO DELTA	76	55	84	44	66	4	1.48	-0.09	0.71	5.87	54	9.50	50	72	59	0	0	3	2
STEELE	82	60	89	52	70	7	0.33	-1.10	0.33	4.74	43	12.10	65	75	64	0	0	1	0
GLENNONVILLE	77	57	85	50	68	5	0.92	-0.47	0.88	6.23	61	11.44	70	72	61	0	0	2	1
PORTAGEVILLE LF	79	58	87	50	68	5	1.06	-0.30	0.69	5.58	51	12.33	68	78	62	0	0	2	1
CLARKTON	79	57	87	46	68	5	0.52	-0.87	0.52	6.63	65	12.57	77	74	62	0	0	1	1
CARDWELL	81	58	87	49	69	6	0.45	-1.01	0.45	6.54	58	13.23	72	75	63	0	0	1	0
CHARLESTON	78	57	84	48	67	5	0.39	-1.34	0.37	7.30	68	13.13	75	73	62	0	0	2	0
PORTAGEVILLE DC	79	58	87	50	68	5	0.99	-0.37	0.61	5.55	51	11.89	66	75	62	0	0	2	1

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

Weather and Crop Summary: Fields dried considerably as the weather pattern remained stagnant with above-normal temperatures. Minimal rainfall was observed in the eastern Delta, the northwestern corner of Mississippi, and the Missouri Bootheel, resulting in a portion of the region receiving an abnormally dry (D0) designation, according to the U.S. Drought Monitor. Crop progress was well ahead of schedule for cotton and soybeans, while rice growth progressed normally. Additional winter wheat fields began to turn color.

Extreme Maximum Temperature (°F)

APR 27 - MAY 3, 2003



National Weather Data for Selected Cities

Weather Data for the Week Ending May 3, 2003

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

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	50 INCH OR MORE	
AL	HUNTSVILLE	82	56	85	47	69	5	0.04	-1.02	0.04	5.06	43	14.34	65	92	57	0	0	1	0
	MOBILE	84	61	89	54	73	4	0.02	-1.19	0.01	7.28	57	13.41	57	90	49	0	0	2	0
	MONTGOMERY	84	58	87	51	71	3	0.32	-0.62	0.32	12.04	108	16.84	78	99	52	0	0	1	0
AK	ANCHORAGE	58	36	60	33	47	5	0.00	-0.11	0.00	0.53	43	1.67	63	59	41	0	0	0	0
	BARROW	27	20	31	9	23	14	0.08	0.05	0.04	0.17	77	0.37	82	96	91	0	7	2	0
	FAIRBANKS	55	33	67	27	44	3	0.00	-0.04	0.00	0.04	8	1.12	78	67	41	0	3	0	0
	JUNEAU	62	34	68	27	48	4	0.00	-0.74	0.00	4.43	65	11.56	74	82	43	0	2	0	0
	KODIAK	58	42	61	35	50	10	0.03	-1.34	0.03	10.10	89	33.55	133	67	47	0	0	1	0
	NOME	42	31	51	28	36	8	0.32	0.18	0.20	1.80	137	3.11	104	83	65	0	5	3	0
AZ	FLAGSTAFF	60	30	64	26	45	-1	0.05	-0.18	0.05	1.72	43	4.62	53	64	18	0	6	1	0
	PHOENIX	89	63	93	59	76	2	0.00	-0.02	0.00	0.85	64	4.59	157	25	11	3	0	0	0
	TUCSON	87	57	91	51	72	2	0.00	-0.06	0.00	0.55	50	1.65	55	29	17	1	0	0	0
	YUMA	85	60	89	56	73	-3	0.00	0.00	0.00	0.24	67	1.35	132	44	23	0	0	0	0
AR	FORT SMITH	82	61	87	52	71	6	0.45	-0.60	0.40	5.15	62	8.85	67	96	60	0	0	3	0
	LITTLE ROCK	82	60	87	50	71	6	0.67	-0.57	0.60	3.99	37	9.70	54	98	56	0	0	2	1
CA	BAKERSFIELD	71	51	76	46	61	-5	0.15	0.12	0.08	1.72	92	3.37	79	67	45	0	0	2	0
	FRESNO	70	51	75	48	60	-5	1.02	0.96	0.51	3.99	134	5.63	78	82	58	0	0	3	1
	LOS ANGELES	65	51	67	48	58	-4	0.93	0.89	0.49	3.23	106	8.05	88	87	63	0	0	2	0
	REDDING	62	47	71	42	54	-8	2.85	2.49	1.25	8.84	115	17.86	91	94	72	0	0	6	2
	SACRAMENTO	66	47	70	41	57	-5	1.68	1.57	0.75	5.50	142	8.17	73	96	51	0	0	5	2
	SAN DIEGO	64	55	67	53	60	-4	0.30	0.27	0.30	3.10	103	7.98	109	83	65	0	0	1	0
	SAN FRANCISCO	63	51	69	46	57	0	1.30	1.20	0.41	6.30	141	10.21	79	84	68	0	0	5	0
	STOCKTON	68	46	73	40	57	-6	0.94	0.82	0.60	3.09	94	4.77	56	91	61	0	0	4	1
CO	ALAMOSA	66	27	70	19	47	2	0.00	-0.14	0.00	0.77	73	1.06	70	50	13	0	6	0	0
	CO SPRINGS	66	40	74	36	53	4	0.02	-0.42	0.02	2.02	70	2.61	75	90	23	0	0	1	0
	DENVER INTL	65	41	75	37	53	4	0.27	-0.19	0.23	5.28	246	5.78	221	92	42	0	0	2	0
	GRAND JUNCTION	71	45	75	37	58	3	0.00	-0.20	0.00	0.97	50	2.12	70	37	18	0	0	0	0
	PUEBLO	75	46	82	43	60	6	0.02	-0.28	0.02	2.73	116	3.56	121	82	52	0	0	1	0
CT	BRIDGEPORT	68	48	77	43	58	4	0.20	-0.68	0.12	7.88	92	13.43	89	85	52	0	0	3	0
	HARTFORD	73	45	81	41	59	5	0.63	-0.29	0.57	6.93	85	12.49	84	81	56	0	0	2	1
DC	WASHINGTON	75	55	81	47	65	4	0.13	-0.59	0.13	6.80	102	14.65	117	85	44	0	0	1	0
DE	WILMINGTON	73	50	78	43	61	4	0.01	-0.84	0.01	7.41	96	14.45	103	91	41	0	0	1	0
FL	DAYTONA BEACH	83	64	89	61	74	3	0.12	-0.33	0.06	11.46	174	17.14	138	96	54	0	0	3	0
	JACKSONVILLE	82	60	88	54	71	1	0.29	-0.34	0.15	13.72	187	18.47	130	99	56	0	0	4	0
	KEY WEST	83	73	85	68	78	-1	4.23	3.73	3.37	8.33	201	10.12	129	91	72	0	0	3	2
	MIAMI	86	71	89	69	79	2	1.40	0.61	1.32	6.87	110	8.13	80	92	60	0	0	5	1
	ORLANDO	86	66	89	60	76	2	2.53	2.05	2.39	9.75	158	12.12	111	94	55	0	0	2	1
	PENSACOLA	81	63	85	56	72	2	0.59	-0.16	0.58	10.29	97	16.19	78	93	62	0	0	2	1
	TALLAHASSEE	85	61	88	53	73	3	0.75	0.02	0.64	9.73	94	16.91	83	96	49	0	0	2	1
	TAMPA	84	69	86	63	76	2	0.35	-0.03	0.35	8.48	176	11.50	118	89	58	0	0	1	0
	WEST PALM	84	70	88	64	77	1	0.64	-0.19	0.60	10.87	143	12.80	92	95	76	0	0	4	1
GA	ATHENS	81	56	84	53	68	3	0.23	-0.51	0.12	8.46	98	14.74	83	93	57	0	0	3	0
	ATLANTA	79	58	83	51	69	4	0.60	-0.23	0.41	11.13	119	16.67	87	88	57	0	0	2	0
	AUGUSTA	82	56	87	52	69	3	0.78	0.26	0.48	13.96	180	19.69	120	97	52	0	0	3	0
	COLUMBUS	83	59	87	53	71	3	1.14	0.34	0.71	11.77	119	19.58	102	97	44	0	0	3	1
	MACON	83	57	89	52	70	4	1.11	0.50	0.96	13.50	163	20.13	113	95	51	0	0	4	1
	SAVANNAH	81	59	88	54	70	1	0.74	0.10	0.34	11.89	164	15.96	113	10	66	0	0	3	0
HI	HILO	81	64	84	62	73	0	1.37	-0.94	1.36	15.63	56	22.33	48	83	67	0	0	2	1
	HONOLULU	84	69	87	67	77	1	0.00	-0.20	0.00	2.78	90	5.09	62	75	64	0	0	0	0
	KAHULUI	86	62	88	58	74	-1	0.00	-0.26	0.00	1.03	25	8.79	85	87	70	0	0	0	0
	LIHUE	82	68	83	64	75	1	0.19	-0.50	0.18	9.03	131	15.54	105	82	67	0	0	2	0
ID	BOISE	60	41	70	37	51	-3	0.72	0.44	0.28	3.39	121	5.87	110	84	62	0	0	4	0
	LEWISTON	63	42	69	36	53	-2	0.63	0.31	0.47	4.33	169	8.02	172	86	63	0	0	5	0
	POCATELLO	56	33	63	26	45	-4	0.35	0.05	0.14	2.18	81	3.61	74	87	60	0	0	3	4
IL	CHICAGO/O'HARE	64	42	77	34	53	0	3.28	2.49	2.21	7.07	106	7.62	76	74	52	0	0	3	2
	MOLINE	67	47	77	38	57	1	2.00	1.12	1.51	5.89	83	6.79	67	82	55	0	0	4	1
	PEORIA	71	47	80	36	59	3	0.46	-0.46	0.27	4.87	72	6.47	65	88	55	0	0	3	0
	ROCKFORD	65	42	76	35	54	0	1.56	0.72	1.23	4.06	64	4.56	50	70	43	0	0	3	1
	SPRINGFIELD	72	46	83	36	59	1	0.53	-0.30	0.33	5.01	73	6.90	67	89	60	0	0	2	0
IN	EVANSVILLE	76	52	82	42	64	4	0.47	-0.64	0.27	6.36	69	12.42	81	94	59	0	0	2	0
	FORT WAYNE	70	44	78	31	57	3	0.92	0.11	0.77	6.05	90	8.74	81	95	52	0	1	4	1
	INDIANAPOLIS	72	49	81	38	61	4	0.92	0.01	0.58	6.78	91	11.49	93	96	54	0	0	4	1
	SOUTH BEND	70	42	75	32	56	2	1.17	0.39	0.64	5.48	80	7.61	69	79	52	0	1	3	2
IA	BURLINGTON	67	49	78	42	58	0	0.75	-0.16	0.42	4.74	68	6.41	65	89	53	0	0	4	0
	CEDAR RAPIDS	65	46	77	41	56	1	1.23	0.46	1.01	2.52	44	3.42	43	90	49	0	0	2	1
	DES MOINES	67	50	77	49	59	3	3.12	2.24	1.54	6.84	111	9.01	107	87	64	0	0	5	3
	DUBUQUE	63	44	75	35	53	0	1.26	0.41	0.73	3.46	54	4.13	45	78	54	0	0	3	2
	SIOUX CITY	67	48	76	42	58	3	1.50	0.78	1.25	4.33	85	5.51	88	78	48	0	0	2	1
	WATERLOO	67	47	80	40	57	3	1.81	1.01	1.75	5.25	92	6.10	80	72	46	0	0	3	1
KS	CONCORDIA	71	51	78	43	61	3	0.01	-0.71	0.01	5.29	103	6.50	100	88	67	0	0	1	0
	DODGE CITY	72	49	84	47	60	1	0.11	-0.46	0.02	3.58	82	4.95	88	96	59	0	0	2	0
	GOODLAND	67	47	75	42	57	4	0.18	-0.37	0.13	3.03	102	3.88	101	95	60	0	0	4	0
	TOPEKA	74	53	83	47	64	5	0.34	-0.53	0.20	6.97	114	8.85	108	93	66	0	0	3	0
	WICHITA	74	54	82	48	64	5	0.22	-0.47	0.22	7.84	140	9.90	133	95	72	0	0	1	0

Based on 1971-2000 normals

Weather Data for the Week Ending May 3, 2003

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE
KY JACKSON	74	53	80	44	64	4	0.84	-0.17	0.62	7.41	86	17.39	110	93	53	0	0	3	1
KY LEXINGTON	74	52	81	41	63	4	0.34	-0.59	0.31	6.53	77	12.33	82	91	65	0	0	3	0
KY LOUISVILLE	77	56	83	45	66	5	0.06	-0.96	0.06	8.10	92	13.36	87	90	50	0	0	1	0
KY PADUCAH	78	55	84	44	66	5	1.67	0.49	0.96	8.43	87	16.18	95	95	54	0	0	4	1
LA BATON ROUGE	86	60	91	51	73	3	0.00	-1.27	0.00	5.31	48	13.09	58	99	47	1	0	0	0
LA LAKE CHARLES	84	63	87	57	74	3	0.01	-1.04	0.01	4.65	61	11.21	68	10	63	0	0	1	0
LA NEW ORLEANS	85	64	89	59	74	2	0.00	-1.00	0.00	10.67	100	15.42	70	95	61	0	0	0	0
LA SHREVEPORT	85	62	89	52	73	4	0.09	-1.02	0.09	4.34	48	12.44	70	96	52	0	0	1	0
ME CARIBOU	49	32	58	27	41	-4	0.83	0.18	0.40	4.36	79	8.45	80	95	57	0	4	4	0
ME PORTLAND	62	42	78	37	52	3	0.11	-0.81	0.06	6.15	70	10.64	66	85	44	0	0	3	0
MD BALTIMORE	75	51	81	41	63	5	0.06	-0.69	0.06	6.57	90	15.87	115	88	49	0	0	1	0
MA BOSTON	67	48	81	43	58	5	0.12	-0.63	0.09	7.97	103	13.87	93	80	46	0	0	2	0
MA WORCESTER	68	45	76	40	57	6	0.25	-0.65	0.20	7.57	89	14.36	91	80	33	0	0	3	0
MI ALPENA	60	30	73	27	45	-1	0.28	-0.27	0.18	3.91	84	4.41	57	86	31	0	5	2	0
MI GRAND RAPIDS	64	41	73	32	52	0	2.35	1.57	1.21	5.55	87	7.06	71	86	51	0	2	2	2
MI HOUGHTON LAKE	62	31	71	25	47	-1	0.66	0.16	0.33	4.52	99	4.87	66	75	37	0	5	2	0
MI LANSING	64	38	76	28	51	0	1.56	0.95	0.86	5.22	92	5.78	66	81	54	0	2	4	2
MI MUSKEGON	62	41	68	32	51	1	1.79	1.13	1.08	4.43	80	4.95	53	76	45	0	1	2	2
MI TRAVERSE CITY	60	33	72	25	47	-2	0.17	-0.36	0.15	4.78	97	5.48	57	89	31	0	3	2	0
MN DULUTH	59	33	70	28	46	0	0.05	-0.45	0.05	1.88	47	2.30	39	60	39	0	4	1	0
MN INT'L FALLS	60	27	71	19	44	-3	0.04	-0.32	0.04	1.16	46	1.35	34	78	26	0	6	1	0
MN MINNEAPOLIS	65	47	74	42	56	3	0.02	-0.52	0.02	3.87	88	4.64	74	60	38	0	0	1	0
MN ROCHESTER	64	43	75	39	54	3	0.13	-0.61	0.13	4.44	85	5.41	78	79	51	0	0	1	0
MN ST. CLOUD	64	37	72	32	51	0	0.00	-0.47	0.00	5.91	154	6.67	129	74	27	0	2	0	0
MS JACKSON	84	59	88	48	71	4	0.02	-1.28	0.02	15.97	130	26.39	118	97	48	0	0	1	0
MS MERIDIAN	84	57	87	49	70	3	0.66	-0.55	0.64	14.69	112	23.05	95	98	53	0	0	3	1
MS TUPELO	81	57	85	47	69	4	0.59	-0.58	0.53	9.49	81	18.73	87	98	65	0	0	3	1
MO COLUMBIA	74	53	83	47	63	4	1.07	-0.01	0.88	7.41	95	9.67	82	95	57	0	0	2	1
MO KANSAS CITY	73	54	83	46	63	4	0.34	-0.72	0.29	6.12	97	7.34	84	95	61	0	0	3	0
MO SAINT LOUIS	74	54	85	44	64	3	0.63	-0.26	0.39	7.15	93	10.10	83	93	67	0	0	3	0
MO SPRINGFIELD	77	55	87	49	66	6	1.59	0.63	1.58	7.08	83	11.13	86	91	60	0	0	2	1
MT BILLINGS	53	39	65	34	46	-5	0.87	0.37	0.37	2.42	79	3.62	81	90	58	0	0	3	0
MT BUTTE	47	29	51	24	38	-5	0.44	0.13	0.22	2.57	129	4.12	138	92	56	0	6	5	0
MT GLASGOW	63	37	73	28	50	0	0.00	-0.24	0.00	1.53	115	1.93	99	76	39	0	1	0	0
MT GREAT FALLS	53	34	63	30	44	-3	0.67	0.25	0.37	2.53	97	3.26	86	96	50	0	2	4	0
MT HAVRE	59	35	66	32	47	-3	0.04	-0.24	0.02	2.19	129	2.55	101	86	54	0	2	2	0
MT KALISPELL	59	36	65	31	48	1	0.21	-0.12	0.21	2.67	108	3.74	73	78	49	0	2	1	0
MT MISSOULA	55	36	59	28	46	-3	1.05	0.73	0.38	3.72	169	6.36	158	88	59	0	3	5	0
NE GRAND ISLAND	64	47	72	38	56	1	1.08	0.34	0.91	2.82	57	4.46	72	94	66	0	0	3	1
NE LINCOLN	67	47	75	40	57	1	1.05	0.23	1.00	3.27	60	5.30	78	88	57	0	0	3	1
NE NORFOLK	65	48	75	40	56	1	1.16	0.46	0.75	2.89	59	4.01	65	84	59	0	0	3	1
NE NORTH PLATTE	62	44	67	38	53	0	0.90	0.29	0.70	5.01	144	5.85	133	95	61	0	0	5	1
NE OMAHA	68	49	77	44	58	1	1.70	0.85	0.60	4.20	77	5.87	84	86	54	0	0	3	3
NE SCOTTSBLUFF	60	41	71	33	50	-1	0.33	-0.18	0.26	2.43	77	3.14	73	92	63	0	0	3	0
NE VALENTINE	60	41	72	31	50	-2	1.09	0.47	0.60	3.52	105	4.11	99	90	57	0	1	5	1
NV ELY	56	28	61	22	42	-4	0.11	-0.13	0.05	2.13	103	2.84	80	83	42	0	6	3	0
NV LAS VEGAS	76	58	81	51	67	-3	0.00	-0.03	0.00	0.72	96	2.85	140	35	23	0	0	0	0
NV RENO	58	36	62	30	47	-5	0.05	-0.03	0.05	1.14	91	1.52	45	66	36	0	2	1	0
NV WINNEMUCCA	59	32	66	20	46	-5	0.04	-0.16	0.04	1.50	83	3.39	104	77	41	0	3	1	0
NH CONCORD	71	40	82	33	55	5	0.75	0.03	0.69	7.81	122	13.71	117	90	26	0	0	2	1
NJ NEWARK	74	52	81	51	63	6	0.09	-0.89	0.05	6.48	76	13.34	86	79	47	0	0	3	0
NM ALBUQUERQUE	77	49	80	44	63	3	0.00	-0.11	0.00	1.46	126	2.48	119	26	13	0	0	0	0
NY ALBANY	68	44	81	37	56	4	1.23	0.48	0.65	6.00	89	11.62	102	85	40	0	0	2	2
NY BINGHAMTON	64	42	78	37	53	3	0.24	-0.56	0.22	5.00	74	9.72	82	76	47	0	0	2	0
NY BUFFALO	62	42	75	33	52	1	0.86	0.20	0.41	4.51	71	9.48	80	86	47	0	0	3	0
NY ROCHESTER	64	41	80	34	52	1	0.56	-0.02	0.36	3.82	68	7.82	79	72	44	0	0	2	0
NY SYRACUSE	68	42	84	36	55	4	0.80	0.03	0.47	6.28	93	10.32	90	86	36	0	0	2	0
NC ASHEVILLE	77	50	81	45	63	5	1.82	1.01	0.92	11.12	132	16.77	103	98	48	0	0	4	2
NC CHARLOTTE	80	54	84	49	67	2	0.30	-0.38	0.28	15.59	204	21.17	139	98	49	0	0	3	0
NC GREENSBORO	78	56	82	51	67	5	0.95	0.10	0.59	13.75	180	21.02	147	94	51	0	0	4	1
NC HATTERAS	71	61	75	54	66	3	2.86	2.17	2.40	15.09	177	20.64	113	96	71	0	0	5	1
NC RALEIGH	80	55	86	49	68	5	0.00	-0.71	0.00	9.62	135	16.15	110	96	51	0	0	0	0
NC WILMINGTON	79	57	86	49	68	2	0.52	-0.25	0.44	12.33	164	18.05	115	10	53	0	0	3	0
ND BISMARCK	66	35	76	28	51	1	0.00	-0.41	0.00	1.29	52	1.79	52	85	41	0	2	0	0
ND DICKINSON	61	34	73	29	48	-1	0.24	-0.17	0.23	2.81	107	2.96	86	90	36	0	2	2	0
ND FARGO	66	33	74	27	49	-2	0.06	-0.32	0.05	1.77	65	2.22	55	76	27	0	3	2	0
ND GRAND FORKS	62	31	68	28	47	-3	0.62	0.28	0.51	1.71	75	2.10	59	82	31	0	5	2	1
ND JAMESTOWN	64	30	73	25	47	-3	0.07	-0.30	0.07	1.16	48	1.31	37	91	34	0	7	1	0
ND WILLISTON	63	32	75	28	47	-2	0.00	-0.31	0.00	3.52	182	4.48	157	89	42	0	5	0	0
OH AKRON-CANTON	71	47	82	34	59	6	0.52	-0.34	0.22	5.36	78	9.07	78	83	54	0	0	4	0
OH CINCINNATI	73	50	81	39	62	3	0.63	-0.30	0.40	5.03	61	10.29	74	91	63	0	0	3	0
OH CLEVELAND	69	45	80	30	57	4	0.61	-0.16	0.59	5.41	81	10.13	89	86	45	0	1	2	1
OH COLUMBUS	72	48	82	35	60	3	0.94	0.13	0.57	5.05	78	9.67	86	84	49	0	0	4	1
OH DAYTON	71	49	80	37	60	4	0.44	-0.49	0.29	4.57	59	7.87	62	86	51	0	0	3	0
OH MANSFIELD	74	45	83	31	59	7	0.30	-0.66	0.10	4.90	62	8.18	64	92	46	0	1	6	0
OH TOLEDO	67	45	79	32	56	2	1.15	0.47	0.82	5.32	87	8.49	85	83	53	0	1	3	1

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending May 3, 2003

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE	
OK	YOUNGSTOWN	70	46	82	31	58	5	0.37	-0.40	0.34	4.55	68	8.48	77	76	43	0	1	3	0
	OKLAHOMA CITY	79	56	86	53	68	4	0.00	-0.94	0.00	3.86	61	4.74	52	90	59	0	0	0	0
	TULSA	82	58	88	52	70	5	0.01	-1.14	0.01	5.51	69	7.43	64	90	62	0	0	1	0
OR	ASTORIA	60	45	64	40	52	2	0.51	-0.35	0.27	19.60	155	37.11	123	93	69	0	0	4	0
	BURNS	56	31	65	25	44	-3	0.24	0.05	0.21	3.30	152	4.65	104	91	53	0	5	3	0
	EUGENE	64	41	71	36	53	1	0.33	-0.34	0.22	11.40	117	20.86	88	94	70	0	0	3	0
	MEDFORD	62	44	71	39	53	-2	0.73	0.45	0.46	6.38	195	10.60	135	93	44	0	0	4	0
	PENDLETON	65	42	72	34	54	0	0.19	-0.06	0.18	3.32	133	7.31	141	84	56	0	0	2	0
	PORTLAND	66	45	71	36	56	2	0.49	-0.06	0.17	10.56	160	20.92	132	93	67	0	0	4	0
	SALEM	64	41	72	35	53	1	0.60	0.06	0.34	10.53	147	20.69	114	96	67	0	0	4	0
PA	ALLENTOWN	74	46	80	38	60	6	0.11	-0.79	0.06	5.72	77	10.23	75	77	44	0	0	2	0
	ERIE	62	43	79	30	53	1	0.74	0.04	0.46	5.60	82	11.49	99	84	56	0	1	2	0
	MIDDLETOWN	74	48	81	42	61	5	0.46	-0.40	0.42	7.38	107	13.92	110	93	43	0	0	2	0
	PHILADELPHIA	76	52	80	46	64	6	0.32	-0.53	0.30	6.67	87	13.64	98	83	46	0	0	2	0
	PITTSBURGH	73	46	82	34	60	5	0.12	-0.61	0.11	3.99	61	9.02	78	78	34	0	0	2	0
	WILKES-BARRE	72	45	79	38	59	5	0.32	-0.48	0.23	4.79	76	7.82	72	75	36	0	0	3	0
	WILLIAMSPORT	74	46	81	38	60	6	0.11	-0.69	0.11	6.06	86	11.07	89	75	44	0	0	1	0
RI	PROVIDENCE	69	45	78	41	57	4	0.19	-0.66	0.18	9.82	110	15.62	93	82	57	0	0	2	0
SC	BEAUFORT	81	61	87	59	71	2	0.01	-0.47	0.01	7.00	102	11.03	79	98	52	0	0	1	0
	CHARLESTON	81	58	88	55	70	2	0.04	-0.50	0.03	12.44	177	15.93	112	97	53	0	0	2	0
	COLUMBIA	82	58	88	51	70	3	0.03	-0.49	0.02	14.13	181	19.09	117	95	48	0	0	2	0
	GREENVILLE	80	56	83	52	68	5	0.57	-0.30	0.52	14.45	157	20.40	114	95	50	0	0	2	1
SD	ABERDEEN	63	37	68	29	50	-2	0.34	-0.11	0.26	2.26	67	2.95	68	88	48	0	2	2	0
	HURON	64	38	73	32	51	-1	0.25	-0.32	0.23	1.90	45	3.16	60	94	41	0	1	2	0
	RAPID CITY	56	40	72	34	48	-2	1.41	0.87	0.70	3.58	114	4.12	104	92	63	0	0	5	1
	SIoux FALLS	64	44	72	41	54	2	0.64	-0.02	0.64	3.95	83	4.91	85	81	44	0	0	1	1
TN	BRISTOL	77	51	81	43	64	6	0.88	0.02	0.42	10.03	133	18.82	130	99	45	0	0	5	0
	CHATTANOOGA	81	55	85	47	68	5	0.09	-0.82	0.05	9.40	87	19.81	94	96	55	0	0	2	0
	KNOXVILLE	79	56	83	48	67	5	0.19	-0.79	0.10	8.20	86	20.08	111	94	52	0	0	3	0
	MEMPHIS	81	61	86	50	71	5	0.67	-0.64	0.60	7.14	60	16.26	79	90	56	0	0	2	1
TX	NASHVILLE	80	56	85	46	68	6	0.40	-0.60	0.32	7.38	80	17.43	103	93	49	0	0	2	0
	ABILENE	88	62	94	56	75	7	0.55	0.10	0.29	1.08	33	2.22	41	79	57	2	0	2	0
	AMARILLO	81	49	88	44	65	5	0.15	-0.20	0.15	1.17	45	1.41	37	85	27	0	0	1	0
	AUSTIN	86	66	89	56	76	5	0.02	-0.84	0.01	0.69	14	6.25	70	89	62	0	0	2	0
	BEAUMONT	84	66	87	60	75	4	0.00	-1.01	0.00	3.30	41	10.72	63	10	59	0	0	0	0
	BROWNSVILLE	86	73	90	67	80	4	0.03	-0.47	0.02	1.22	39	2.48	44	94	70	1	0	2	0
	CORPUS CHRISTI	85	71	88	61	78	4	0.04	-0.55	0.03	1.44	36	3.80	51	94	67	0	0	2	0
	DEL RIO	88	70	93	65	79	5	0.00	-0.48	0.00	0.87	30	1.64	37	88	69	3	0	0	0
	EL PASO	86	57	90	52	72	3	0.00	-0.06	0.00	0.22	43	1.59	118	20	14	1	0	0	0
	FORT WORTH	84	63	90	59	74	5	0.58	-0.42	0.51	2.82	42	6.12	56	89	55	1	0	5	1
	GALVESTON	80	71	82	66	76	3	0.20	-0.45	0.20	1.74	31	4.63	38	99	79	0	0	1	0
	HOUSTON	85	67	89	61	76	4	0.06	-0.85	0.05	3.63	49	9.79	70	94	64	0	0	2	0
	LUBBOCK	85	56	92	47	71	7	0.25	-0.12	0.25	1.43	64	1.52	44	77	38	1	0	1	0
	MIDLAND	91	60	95	57	76	8	0.00	-0.30	0.00	0.18	14	1.17	49	72	27	6	0	0	0
	SAN ANGELO	92	64	96	59	78	9	0.00	-0.54	0.00	1.34	47	3.23	67	78	42	5	0	0	0
	SAN ANTONIO	84	68	88	62	76	4	0.00	-0.80	0.00	0.98	20	4.11	50	93	63	0	0	0	0
	VICTORIA	86	68	89	56	77	4	0.06	-0.84	0.02	1.47	26	5.17	51	96	65	0	0	4	0
	WACO	84	63	90	60	74	4	2.39	1.46	1.59	3.95	67	7.10	70	91	66	1	0	3	2
	WICHITA FALLS	86	60	93	57	73	6	0.12	-0.58	0.12	2.31	44	3.22	41	88	56	1	0	1	0
UT	SALT LAKE CITY	62	40	70	35	51	-3	0.55	0.04	0.24	3.89	94	5.58	81	83	32	0	0	3	0
VT	BURLINGTON	63	41	80	34	52	2	0.82	0.11	0.55	4.94	90	6.91	74	82	42	0	0	4	1
VA	LYNCHBURG	79	53	84	44	66	7	1.46	0.59	0.91	10.05	131	17.32	121	90	46	0	0	3	2
	NORFOLK	76	57	84	51	67	5	0.12	-0.66	0.11	9.32	119	16.90	112	95	59	0	0	2	0
	RICHMOND	78	53	82	46	66	5	0.51	-0.27	0.28	10.74	141	17.12	121	97	56	0	0	4	0
	ROANOKE	77	53	82	45	65	5	1.55	0.65	1.29	9.80	125	17.05	120	90	51	0	0	2	1
	WASH/DULLES	75	49	80	37	62	5	0.11	-0.69	0.10	6.42	90	14.24	110	93	53	0	0	2	0
WA	OLYMPIA	63	41	71	37	52	2	0.31	-0.31	0.23	12.70	139	24.47	107	97	70	0	0	2	0
	QUILLAYUTE	58	43	69	39	50	1	0.44	-1.01	0.26	25.40	133	42.58	95	92	70	0	0	4	0
	SEATTLE-TACOMA	61	46	67	41	54	1	0.08	-0.37	0.04	9.34	143	19.10	121	94	70	0	0	3	0
	SPOKANE	59	39	65	33	49	-1	0.20	-0.11	0.18	3.62	123	7.53	120	89	48	0	0	3	0
	YAKIMA	67	38	74	30	52	0	0.13	0.05	0.10	1.68	132	4.16	128	83	49	0	1	2	0
WV	BECKLEY	71	50	76	44	61	5	0.63	-0.28	0.25	7.22	97	14.07	103	88	53	0	0	5	0
	CHARLESTON	73	50	81	37	62	4	0.41	-0.43	0.35	5.26	70	14.53	104	98	52	0	0	3	0
	ELKINS	71	43	78	31	57	4	0.13	-0.79	0.05	6.03	77	12.60	87	10	44	0	1	5	0
	HUNTINGTON	75	51	81	37	63	4	3.21	2.34	2.01	8.54	113	15.73	114	95	49	0	0	4	2
WI	EAU CLAIRE	67	41	76	32	54	2	0.00	-0.71	0.00	5.58	110	6.54	95	75	27	0	1	0	0
	GREEN BAY	60	37	74	28	49	-2	0.17	-0.38	0.17	4.28	88	5.43	77	83	39	0	2	1	0
	LA CROSSE	67	47	79	40	57	2	0.20	-0.57	0.20	4.73	83	5.82	74	68	28	0	0	1	0
	MADISON	63	40	74	29	52	0	1.92	1.20	1.87	4.78	80	5.64	67	73	46	0	2	2	1
	MILWAUKEE	58	40	76	36	49	-1	1.24	0.46	1.03	4.33	65	5.11	50	72	52	0	0	2	1
WY	CASPER	58	34	69	26	46	-1	0.25	-0.25	0.21	2.57	97	3.19	83	85	58	0	2	2	0
	CHEYENNE	58	37	68	31	47	1	0.24	-0.23	0.10	2.81	100	3.11	84	91	54	0	1	5	0
	LANDER	57	34	63	27	46	-2	0.97	0.40	0.79	2.12	60	3.53	76	82	51	0	2	3	1
	SHERIDAN	54	33	66	30	43	-5	1.64	1.16	1.10	3.86	130	5.03	116	89	66	0	3	5	1

Based on 1971-2000 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

April 28 - May 4, 2003

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Seasonal rains continued in the Pacific Northwest, and occasionally heavy rain fell over much of California where conditions remained wet and cool. Dry conditions dominated from southern California to the Texas Panhandle and Oklahoma. The Southeast was relatively dry with localized showers. Warm, sunny conditions allowed for an increase in fieldwork. Rain fell much of the week in the central Great Plains and across the Corn Belt. The heaviest precipitation was recorded in Nebraska and Iowa. Northern Illinois and Indiana received

much needed rain. Farther north, dry conditions dominated in the northern Great Plains and upper Mississippi Valley. Above normal temperatures and below normal precipitation enabled producers to make excellent planting progress. Concern over fields drying out were alleviated by a late-week storm. The Ohio Valley had a warm, dry week conducive to fieldwork, and Pennsylvania saw the best week of the season in terms of number of days suitable for fieldwork.

Corn: Planting was 55 percent complete, 14 percentage points ahead of last year's pace and 9 points ahead of the 5-year average. The crop was 13 percent emerged, 2 points ahead of last year and equal to the 5-year average. Most of the Corn Belt made good planting progress during the week despite sporadic showers, with most States advancing well ahead of their 5-year average pace. In Iowa, Illinois, and Indiana planting progressed 28, 21, and 24 percentage points during the week, respectively. Favorable conditions in the upper Great Plains, upper Mississippi Valley, and Ohio Valley allowed planting to accelerate rapidly, with Minnesota and Ohio producers planting over half of their crop during the week. Above normal temperatures and adequate topsoil moisture in most areas aided emergence.

Winter Wheat: Thirty-nine percent of the Nation's winter wheat was headed, 3 percentage points ahead of last year's pace, and 4 points ahead of the 5-year average. Warm, sunny conditions in many States allowed heading to increase rapidly. Heading during the week increased 32 points in Texas, 27 points in Oklahoma and Missouri, 26 points in Arkansas, and 24 points in Kansas. Heading was well ahead of normal in Oklahoma and Texas, and slightly ahead of normal in Kansas. A few fields were headed in Colorado, Ohio, and Washington, but none had entered the heading stage in Idaho, Michigan, Nebraska, Oregon, or South Dakota.

Cotton: Planting advanced to 32 percent complete, 5 percentage points behind last year but 1 point ahead of the 5-year average. Nearly ideal conditions supported planting in the Delta, with Louisiana and Mississippi producers seeding over one-third of their acreage during the week. Progress was only slightly slower in Arkansas. As soil conditions improved, planting progress gained momentum across the Southeast. California planting progress remained well behind average, but increased 28 points despite continued cool, wet conditions.

Soybeans: Planting was 11 percent complete, 4 percentage points ahead of last year and equal to the 5-year average. Favorable conditions allowed Ohio planting to reach 41 percent complete, an increase of 36 points over last week's pace. Delta growers also made significant planting progress. Mississippi, at 68 percent complete, advanced 26 points from last week, and Louisiana, at 34 percent complete, increased 15 percent from last week.

Sorghum: Planting advanced to 22 percent complete, 2 percentage points behind last year and 1 point behind the 5-year average. Planting was just getting underway in Illinois, Kansas,

and Nebraska. Planting was active in the Delta where rain held off till the end of the week.

Rice: Seventy-two percent of the crop has been planted, compared with 70 percent planted last year and the 5-year average of 67 percent. The crop was 47 percent emerged, 4 percentage points behind last year but 6 points ahead of the 5-year average. Arkansas was 16 points ahead of their 5-year average planting pace while Louisiana, Mississippi, and Texas were slightly behind their average pace. In all of the major producing states except California, warm conditions promoted emergence, with the pace in Arkansas well ahead of average.

Small grains: Spring wheat planting progressed to 63 percent, 27 percentage points ahead of last year and 13 points ahead of the 5-year average. The crop was 27 percent emerged, 18 points ahead of last year and 7 points ahead of the 5-year average. The barley crop was 56 percent seeded, compared with last year's 35 percent and the 5-year average of 49 percent. The crop was 25 percent emerged, 13 percentage points ahead of last year and 4 points above the 5-year average. The oat crop was 73 percent seeded and 37 percent emerged. Planting was ahead of last year's pace of 56 percent seeded, while emergence was 9 points ahead of last year's pace.

Rain in Idaho slowed the planting of spring wheat and barley. Producers in the central Great Plains continued to seed small grains despite occasionally heavy showers. Farther north, small grain seeding advanced rapidly during the week in the Dakotas due to warm, dry conditions. Conditions also favored planting in the Ohio Valley, Great Lakes region, and upper Mississippi Valley.

Other crops: Sugarbeet planting progressed to 86 percent in the four major sugarbeet-producing States. Planting was ahead of last year by 19 percentage points and 14 points ahead of the 5-year average for this date. As soil conditions improved, growers in Michigan rapidly increased plantings. Dry weather aided rapid progress in the Red River Valley, where Minnesota and North Dakota growers seeded 57 and 47 percent of their acreage during the week, respectively. Planting slowed in Idaho as progress neared completion.

Peanut planting was 9 percent complete, 7 percentage points behind last year and the 5-year average. Plantings in Oklahoma increased to 25 percent, advancing 11 points from last week, and more than doubling the 5-year average pace. Plantings in the Southeast slowly gained momentum as soil conditions improved.

Crop Progress and Condition

Week Ending May 4, 2003

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

Winter Wheat Percent Headed				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AR	80	54	92	93
CA	96	90	100	98
CO	3	1	1	3
ID	0	0	0	0
IL	22	0	10	19
IN	8	2	11	16
KS	25	1	25	21
MI	0	0	0	0
MO	33	6	43	37
MT	0	0	0	0
NE	0	0	0	0
NC	60	41	86	85
OH	2	0	0	0
OK	91	64	85	74
OR	0	0	7	2
SD	0	0	0	0
TX	72	40	54	62
WA	3	0	3	2
18 Sts	39	21	36	35
These 18 States planted 90% of last year's winter wheat acreage.				

Corn Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
CO	29	10	40	35
IL	68	47	29	48
IN	50	26	9	34
IA	56	28	50	50
KS	58	39	67	65
KY	70	57	46	61
MI	24	2	15	24
MN	80	25	51	55
MO	66	57	72	63
NE	33	14	52	44
NC	73	63	90	82
ND	49	17	24	28
OH	83	18	10	28
PA	26	5	28	24
SD	27	9	30	25
TN	85	80	85	81
TX	83	73	84	81
WI	28	8	17	27
18 Sts	55	29	41	46
These 18 States planted 92% of last year's corn acreage.				

Cotton Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AL	58	37	62	52
AZ	65	58	82	74
AR	37	9	44	29
CA	68	40	89	80
GA	22	11	40	28
LA	50	16	62	53
MS	64	26	51	39
MO	20	10	53	41
NC	17	4	32	26
OK	15	3	17	10
SC	10	2	28	23
TN	20	7	28	24
TX	24	20	21	21
VA	26	15	47	42
14 Sts	32	18	37	31
These 14 States planted 98% of last year's cotton acreage.				

Sorghum Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AR	70	54	81	67
CO	2	1	1	2
IL	1	0	3	7
KS	3	0	7	7
LA	48	27	56	53
MO	20	12	23	18
NE	1	0	1	1
NM	1	0	0	0
OK	14	12	12	10
SD	0	0	0	3
TX	49	48	49	48
11 Sts	22	19	24	23
These 11 States planted 97% of last year's sorghum acreage.				

Soybeans Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AR	24	17	19	16
IL	6	2	1	11
IN	17	4	2	15
IA	4	*0	6	11
KS	5	*0	10	10
KY	4	2	2	8
LA	34	19	27	32
MI	4	1	6	6
MN	12	0	5	14
MS	68	42	52	44
MO	6	3	10	11
NE	3	1	9	7
NC	2	0	7	5
ND	8	0	1	3
OH	41	5	5	15
SD	2	0	3	4
TN	4	2	7	5
WI	5	0	1	3
18 Sts	11	3	7	11
These 18 States planted 96% of last year's soybean acreage.				

Corn Percent Emerged				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
CO	2	0	2	3
IL	23	7	11	16
IN	11	1	1	8
IA	3	0	5	7
KS	24	16	30	25
KY	52	28	38	39
MI	0	0	1	2
MN	2	0	1	8
MO	43	26	47	35
NE	5	1	8	7
NC	41	16	71	63
ND	1	0	0	2
OH	8	0	2	4
PA	2	0	8	3
SD	1	0	1	2
TN	74	51	65	57
TX	69	63	71	65
WI	1	0	3	2
18 Sts	13	6	11	13
These 18 States planted 92% of last year's corn acreage.				

Peanuts Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AL	19	12	17	21
FL	10	2	27	23
GA	5	2	16	15
NC	5	1	17	12
OK	25	14	11	12
TX	7	3	9	13
VA	10	0	35	22
7 Sts	9	4	16	16
These 7 States planted 98% of last year's peanut acreage.				

Crop Progress and Condition

Week Ending May 4, 2003

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

Oats Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
IA	98	93	99	93
MN	81	47	60	61
NE	94	87	96	94
ND	42	19	18	30
OH	99	72	59	82
PA	79	53	69	73
SD	86	75	72	69
WI	71	38	42	69
8 Sts	73	52	56	63
These 8 States planted 53% of last year's oat acreage.				

Oats Percent Emerged				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
IA	74	50	79	64
MN	32	9	16	25
NE	77	51	80	71
ND	11	1	1	6
OH	57	20	27	59
PA	35	12	53	43
SD	55	27	29	34
WI	22	3	15	28
8 Sts	37	17	28	31
These 8 States planted 53% of last year's oat acreage.				

Barley Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
ID	72	66	71	73
MN	62	24	25	40
MT	55	44	34	58
ND	40	21	12	25
WA	97	81	78	86
5 Sts	56	41	35	49
These 5 States planted 81% of last year's barley acreage.				

Barley Percent Emerged				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
ID	44	29	30	41
MN	13	1	3	11
MT	22	11	7	20
ND	11	1	0	5
WA	67	39	52	59
5 Sts	25	12	12	21
These 5 States planted 81% of last year's barley acreage.				

Rice Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AR	87	72	79	71
CA	19	8	28	25
LA	87	77	89	91
MS	69	50	70	71
MO	46	20	40	45
TX	93	86	98	94
6 Sts	72	58	70	67
These 6 States planted 100% of last year's rice acreage.				

Rice Percent Emerged				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
AR	56	29	57	39
CA	0	0	4	4
LA	73	58	78	78
MS	35	26	40	40
MO	18	8	24	13
TX	80	67	89	83
6 Sts	47	30	51	41
These 6 States planted 100% of last year's rice acreage.				

Spring Wheat Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
ID	78	72	79	83
MN	75	41	24	45
MT	57	36	35	56
ND	51	35	21	35
SD	92	85	81	77
WA	96	88	89	92
6 Sts	63	45	36	50
These 6 States planted 99% of last year's spring wheat acreage.				

Spring Wheat Percent Emerged				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
ID	59	41	42	51
MN	23	7	2	14
MT	12	4	3	19
ND	21	5	2	10
SD	64	35	28	40
WA	70	57	63	70
6 Sts	27	12	9	20
These 6 States planted 99% of last year's spring wheat acreage.				

Sugar Beets Percent Planted				
	May 4 2003	Prev Week	Prev Year	5-Yr Avg
ID	98	94	91	92
MI	91	34	86	84
MN	83	43	60	65
ND	78	31	49	61
4 Sts	86	48	67	72
These 4 States planted 81% of last year's sugar beet acreage.				

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

NA - Not Available
* - Revised

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	11	30	48	10
CA	0	0	15	75	10
CO	7	14	25	44	10
ID	0	0	5	75	20
IL	0	3	22	59	16
IN	0	2	14	61	23
KS	4	12	32	40	12
MI	3	5	37	46	9
MO	1	5	26	53	15
MT	1	8	22	53	16
NE	0	7	34	47	12
NC	2	12	38	46	2
OH	1	2	16	53	28
OK	3	8	24	47	18
OR	0	5	56	32	7
SD	1	9	31	47	12
TX	17	24	37	19	3
WA	2	7	19	53	19
18 Sts	5	11	29	43	12
Prev Wk	4	11	31	43	11
Prev Yr	16	17	31	31	5

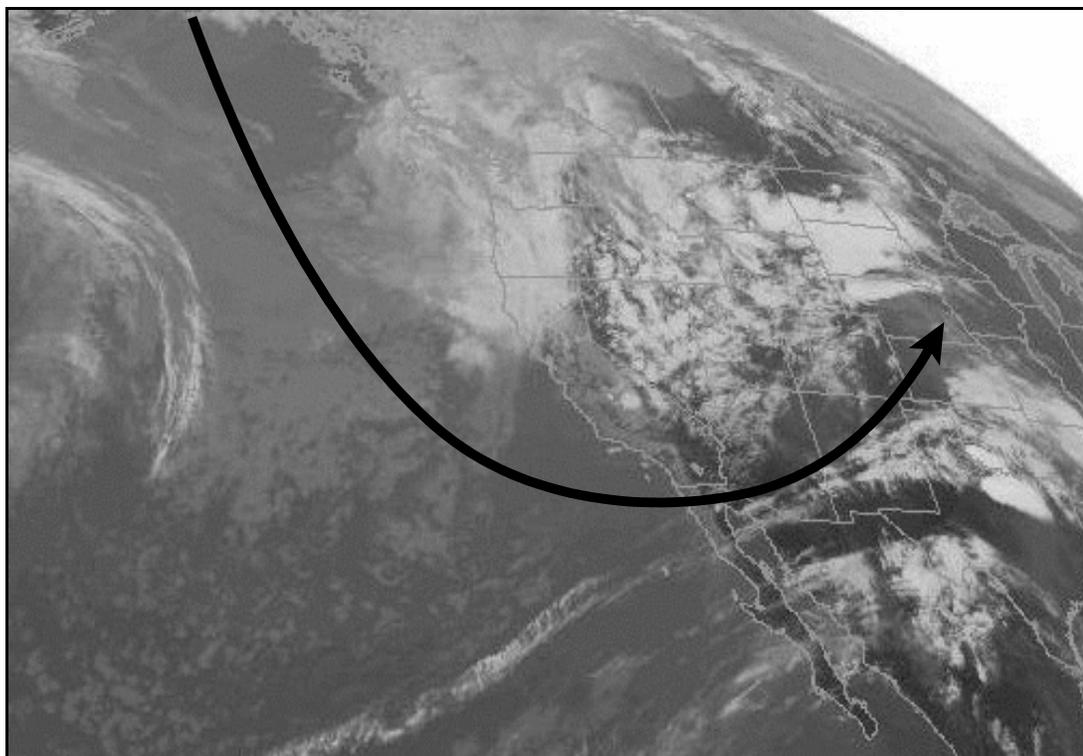
National crop conditions for selected States are weighted based upon the year 2002 planted acres.

Crop Progress and Condition

Week Ending May 4, 2003

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

Pasture and Range Crop Condition by Percent Week Ending May 4, 2003											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	3	20	65	11	NH	0	2	41	49	8
AZ	14	31	36	14	5	NJ	0	0	4	92	4
AR	1	6	47	40	6	NM	30	40	27	3	0
CA	0	0	20	50	30	NY	0	40	40	20	0
CO	19	34	29	18	0	NC	0	1	20	59	20
CT	0	15	25	47	13	ND	14	26	38	21	1
DE	0	9	19	65	7	OH	1	4	24	57	14
FL	0	5	30	60	5	OK	3	12	39	37	9
GA	0	3	25	60	12	OR	2	11	36	46	5
ID	0	2	31	59	8	PA	3	9	25	52	11
IL	0	1	24	64	11	RI	0	1	16	83	0
IN	1	5	27	57	10	SC	0	1	12	71	16
IA	0	5	33	52	10	SD	12	27	37	21	3
KS	14	25	34	22	5	TN	0	2	17	64	17
KY	0	2	19	59	20	TX	13	22	35	25	5
LA	0	8	53	36	3	UT	7	21	36	35	1
ME	25	32	37	6	0	VT	0	9	40	50	1
MD	0	4	29	49	18	VA	1	6	24	57	12
MA	0	16	40	36	8	WA	0	1	67	31	1
MI	5	15	55	20	5	WV	0	6	48	41	5
MN	3	9	34	49	5	WI	3	15	36	44	2
MS	1	8	24	54	13	WY	12	29	41	18	0
MO	1	11	36	43	9	48 Sts	6	15	33	38	8
MT	7	20	33	34	6						
NE	13	23	37	23	4	Prev Wk	NA	NA	NA	NA	NA
NV	4	18	31	33	14	Prev Yr	8	15	33	37	7



GOES-10 IR Satellite Image, 00Z on May 4, 2003 (6 pm MDT on May 3). A deep and broad upper-air trough of low pressure over the West brought unseasonably cool and unsettled weather to much of the region. The cool and wet conditions delayed cotton planting in California, and slowed seedling emergence and crop development. Farther to the east, strong thunderstorms erupted in the south-central and north-central Great Plains, signaling the start of numerous severe weather outbreaks in the Plains, Midwest, and South during the next few days.

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 5.9. Corn 86% planted, 89% 2002, 87% avg. 66% emerged, 66% 2002, 68% avg. Soybeans 7% planted, 9% 2002, 9% avg. Winter wheat 1% very poor, 3% poor, 25% fair, 65% good, 6% excellent. Pasture feed 1% very poor, 3% poor, 22% fair, 65% good, 11% excellent. Livestock 1% very poor, 5% poor, 20% fair, 64% good, 10% excellent. Thanks to favorable conditions many farmers are cutting hay. Pastures continue to improve with good growing conditions, fertilization. Planting of corn, cotton, peanuts remain on schedule.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 10% short, 85% adequate, 5% surplus. Subsoil 5% short, 95% adequate. An unusually warm winter has been followed by a warm, dry spring. Temperatures in general have been above normal while precipitation has been below normal in many locations. Last week saw daytime high temperatures mostly in the sixties. Lows were in the twenties to thirties. Hay 10% short, 85% adequate, 5% surplus. Livestock conditions 5% fair, 85% good, 10% excellent.

ARIZONA: Temperatures for the State were near average for the week. Cotton 65% planted, 82% 2002, 74% 5-yr avg. Alfalfa conditions were mostly good, with harvest progressing at a normal rate. With slight precipitation, range, pasture feeds have not improved.

ARKANSAS: Days suitable for fieldwork 5.4. Soil 2% very short, 21% short, 65% adequate, 14% surplus. Corn 98% planted, 95% 2002, 95% 5-yr avg.; 87% emerged, 82% 2002, 76% 5-yr avg.; Soybeans 24% planted, 19% 2002, 16% 5-yr avg.; 9% emerged, 11% 2002, 3% 5-yr avg. Sorghum 70% planted, 81% 2002, 67% 5-yr avg.; 38% emerged, 61% 2002, 40% 5-yr avg.. Cotton 37% planted, 44% 2002, 29% 5-yr avg. Rice 87% planted, 79% 2002, 71% 5-yr avg.; 56% emerged, 57% 2002, 39% 5-yr avg. Winter Wheat 80% headed, 92% 2002, 93% 5-yr avg. Winter Wheat 1% very poor, 11% poor, 30% fair, 48% good, 10% excellent. Pasture, Range feed 1% very poor, 6% poor, 47% fair, 40% good, 6% excellent. Alfalfa Hay 3% poor, 31% fair, 64% good, 2% excellent. Other Hay 1% very poor, 8% poor, 58% fair, 31% good, 2% excellent. Revisions: none CROPS: Producers were at full speed planting rice, cotton, sorghum, early season soybeans. Corn planting is approaching completion. Corn was being fertilized, sprayed for aphids. In the south central part of the state, the threat of fire blight in pear trees, whitefly infestation in ornamentals has been reported. Herbicides were being sprayed in rice, sorghum fields. Many rice fields were being flushed due to lack of rain. Most wheat fields were reported being past the stage for spraying. Strawberry harvest is almost complete, tomato field work is in full swing. LIVESTOCK: Livestock were reported to be in good condition with many herds being sprayed for ticks. Cull bulls, cows were being sold, calves were being weaned. Many pastures are being fertilized, being sprayed for weeds.

CALIFORNIA: Cotton planting resumed in some fields as growers faced a difficult choice between the hazards of late planting, soil temperatures being less than optimal. Most cotton fields planted earlier showed good emergence but slow growth due to cool temperatures. A few cotton fields will have to be replanted due to crusted or compacted seedbeds. Harvesting of wheat, barley, oats was expected to begin soon. Good seed-head formation, signs of drying were evident in many fields. The on-again and off-again rainfall continued to benefit both dryland, irrigated small grains, although the recent rains, breezy conditions have caused lodging in several grain fields. Rust damage was also noted in a few wheat, oat fields. Winter forage was cut for silage, green-chopped. Fields of alfalfa for hay, seed were growing well. Alfalfa hay fields continued to be cut, windrowed, dried. Mold damage was a problem in a few alfalfa fields, but the quality of recently harvested alfalfa hay appeared mostly good. Planting of new corn fields continued, often following in fields where winter forage had been

harvested. Previously-planted fields of corn were growing well. Steady growth continued in fields of sugar beets, with cultivation for weed control underway in some fields. Flooding of rice fields, subsequent planting began in a few locations, but rain slowed the preparation for rice planting in many areas. Sunflower planting was underway, but was delayed due to rainfall in some areas. Safflower planting was also slowed due to the wet weather. Sweet potato field fumigations, planting continued. Harvesting of spring potatoes was ongoing. Fruit thinning, fungicide applications continued in orchards as weather permitted. Growers continued to treat orchards for diseases, insect pests where necessary. Fruit set in mid-season stone fruit orchards was reported as light. Harvesting increased in the San Joaquin Valley as Earlitreat, May Snow peaches were picked, packed. The cooler weather, however, has hampered fruit growth, maturity of early apricots, peaches, nectarines. Quince, apple orchards were sprayed for codling moth in between storms. Moisture caused fruit cracking in some cherry orchards. Grape vineyards were cultivated, treated with fungicides, insecticides. Cool weather slowed cane growth somewhat. New canes were trained onto overhead trellises in a number of table grape vineyards. Strawberry fields were harvested despite the wet weather, but continued to produce an abundance of fruit for both commercial sales, roadside stands. Decay remained a worry for strawberry growers. Citrus bloom continued and appeared to be heavy. Orchards were hedged, topped as weather allowed. Persistent periods of rain slowed picking of both Navel, Valencia orange groves. Lemon harvesting continued but began winding down. Lemon, Navel fruit quality remained good. Bloom continued in olive orchards, appeared to be heavy. Almond, walnut, pistachio orchards continued to be treated to control insect pests, diseases. Walnut orchards were treated for blight and scale. Copper applications were also made in walnut orchards as a result of the rainy weather. Nuts were forming, growing in almond orchards. A moderate to heavy set was reported. Heavily laden branches were supported with props in some almond orchards. Cool spring temperatures have delayed melon development. Wet conditions slowed field work activities, delayed summer vegetable planting. Some fresh market and processing tomato transplants were being planted. Fields were cultivated, treated to control insect pests, diseases. The outdoor planting of mixed vegetables was halted due to wet conditions. Plantings of garlic, onions benefitted from the recent rains. Cucumbers were beginning to grow from beneath their caps. Sweet corn, eggplant, peppers, squash, cucumbers continued to show a slow but steady growth. Picking of zucchini, yellow squash was slowed due to wet conditions. Asparagus continued to be harvested in the Stockton Delta region. Radicchio harvest had begun. Watermelon harvesting began in the Imperial Valley. Harvesting of broccoli, cauliflower, cabbage continued. The spring broccoli harvest was nearly finished. Broccoli fields were being disced, planted to corn or other crops. The following vegetables were also harvested: artichokes, basil, bok choy, carrots, celery, cilantro, fava beans, green onions, parsley, peas, spinach. Continued rainfall has improved rangeland forage conditions. Cattle herds continued to experience good weight gains. Mild to cool temperatures have been good for milk production. Hives of leafcutter bees were placed in some seed alfalfa fields to aid pollination; honey bees foraged for nectar as weather conditions allowed.

COLORADO: Days suitable for field work 5.4. Top soil 7% very short, 22% short, 59% adequate, 12% surplus. Subsoil 26% very short, 48% short, 26% adequate, 0% surplus. Seasonal temps prevailed during the week with some areas receiving scattered light to locally heavy thunderstorms. Spring wheat 72% planted, 68% 2002, 69% avg.; 35% emerged, 36% 2002, 40% avg.; 1% poor, 22% fair, 57% good, 20% excellent. Spring barley 84% seeded, 90% 2002, 88% avg.; 50% emerged, 57% 2002, 55% avg.; 2% poor, 16% fair, 50% good, 32% excellent. Sugar beets 74% planted, 83% 2002, 88% avg.; 35% up to stand, 12% 2002, 9% avg. Summer potatoes 66% planted, 66% 2002, 77% avg.; 21 emerged, 3% 2002, 10% avg.; 15% fair, 75% good, 10% excellent. Fall potatoes 16% planted, 22% 2002, 17% avg. Dry onions

98% planted, 93% 2002, 96% avg.; 1% very poor, 1% poor, 6% fair, 77% good, 15% excellent.

DELAWARE: Days suitable for fieldwork 6.0. Topsoil 3% short, 90% adequate, 7% surplus. Subsoil 2% short, 94% adequate, 4% surplus. Corn 29% planted, 62% 2002, 39% avg.; 4% emerged, 35% 2002, 13% avg. Soybeans 4% planted, 4% 2002, % avg. Barley 2% very poor, 9% poor, 31% fair, 51% good, 7% excellent; 29% headed, 95% 2002, 81% avg. Winter wheat 11% poor, 27% fair, 54% good, 8% excellent; 5% headed, 48% 2002, 26% avg. Strawberries 54% bloomed, 63% 2002, 63% avg. Apples 82% bloomed, 93% 2002, 90% avg. Peaches 97% bloomed, 86% 2002, 95% avg. Snap beans 26% planted, 28% 2002, 27% avg. Sweet corn 30% planted, 43% 2002, 34% avg. Green peas 89% planted, 95% 2002, 88% avg. Potatoes 64% planted, 99% 2002, 89% avg. Watermelons 9% planted, 8% 2002, 12% avg. Cantaloupes 8% planted, 11% 2002, 12% avg. Hay supplies 12% very short, 49% short, 33% adequate, 6% surplus. Acreage prepared for spring 56% planting. Pasture feed 9% poor, 19% fair, 65% good, 7% excellent. Other hay 1st 10% cutting, 15% 2002, 9% avg. Alfalfa hay 1st 4% cutting, 15% 2002, 8% avg. Warm days followed by cool nights, mingled with a few showers provided farmers the opportunity to plant field crops, vegetables. Small grains are beginning to head, are in fair to good condition. Farmers are beginning to cut other hay, hay supplies are mostly short to adequate. Peaches, apples are in full bloom.

FLORIDA: Topsoil 1% very short, 24% short, 60% adequate, 15% surplus. Subsoil 25% short, 60% adequate, 15% surplus. Temperature average 1 to 3^o. above normal, major cities. Daytime highs: mostly 80s; several reports of at least one 90^o. reading. Nighttime lows: 60s, 70s; many reports of at least one 50^o. reading. Rainfall range: traces to over 2.50 in.; a few localities recorded no measurable rain. Rain slowed cotton, peanut planting in some areas of Panhandle, northern Peninsula. Peanuts 10% planted, 27% 2002, 23% 5-yr avg. Hay baling active. Early planted corn emerged, making good stand with recent rains boosting growth, development. Wet vegetable fields curtailed some harvesting. Winter vegetable harvesting, Miami-Dade County, virtually finished for season. Vegetables available: Cabbage, cantaloupes, carrots, celery, cucumbers, sweet corn, eggplant, peppers, potatoes, radishes, squash, tomatoes, watermelons; light blueberries, endive, escarole, lettuce, okra. Warm, dry first, last of week with scattered rains at mid-week, citrus areas. A lot of sick trees are dying. Well-cared-for groves in very good condition, trees shedding some new crop fruit they cannot carry next season. Valencia harvest active. Grapefruit movement slowing as supplies run out. Temple harvest over; a few Honey tangerines still being picked. Caretakers cutting cover crops, spraying, hedging, topping, cutting out dead trees, burning dead wood, some second sprays being applied. Pasture feed 5% poor, 30% fair, 60% good, 5% excellent. Cattle 5% poor, 25% fair 65% good, 5% excellent. Panhandle: grass growing, ryegrass hay harvesting active. North, Central: pasture feed mostly fair, cattle in good condition; grass growing following timely rains, higher nighttime temperatures. South: pasture feed good, improved by light rains, warmer temperature. Statewide: cattle condition mostly good.

GEORGIA: Days suitable for field work 5.3. Soil 1% very short, 8% short, 75% adequate, 16% surplus. Corn 1% poor, 23% fair, 66% good, 10% excellent. Cotton 1% very poor, 4% poor, 32% fair, 57% good, 6% excellent. Hay 2% poor, 28% fair, 60% good, 10% excellent. Sorghum 5% poor, 31% fair, 60% good, 4% excellent; 19% planted, 22% 2002, 22% avg. Soybeans 7% planted, 12% 2002, 7% avg; 2% emerged, 7% 2002, 3% avg. Tobacco 1% poor, 24% fair, 65% good, 10% excellent; 92% transplanted, 100% 2002, 96% avg. Wheat 97% boot, 97% 2002, 98% avg. Onions 13% poor, 35% fair, 48% good, 4% excellent; 26% harvested, 45% 2002, 34% avg. Watermelons 3% very poor, 11% poor, 51% fair, 30% good, 5% excellent; 92% planted, 98% 2002, 92% avg. Apples 34% fair, 46% good, 20% excellent; 89% blooming, 97% 2002, 96% avg. Peaches 20% fair, 80% good, 1% harvested, 0% 2002, 1% avg. The State experienced heavy thunderstorms late in the week. Dryer weather, early in the week, allowed farmers to catch up on planting. Late week rainfall varied from an inch or more. Wet field conditions prevented primary tillage of corn, made hay harvesting difficult. Recent rains slowed fieldwork, planting. Extension Agents recommended growers plant peanuts after May 1 to reduce Tomato Spotted Wilt Virus. Growers began sidedressing corn. Cattlemen

vaccinated, wormed cattle. Pastures, hay fields were sprayed to control weeds. Onion harvesting continued. Activities: Preparing soils for planting, sidedressing tobacco with fertilizer, routine caring of livestock, poultry, cutting, baling hay as weather permitted.

HAWAII: Generally favorable weather prevailed throughout the State during the past week. East state banana harvest remained active. Lower Puna papaya orchards benefitted from adequate moisture, sunny, warm conditions. Vegetables remained in mostly fair to good condition with warm, sunny weather, heavy irrigation.

IDAHO: Days suitable for fieldwork 4.0. Topsoil 2% very short, 17% short, 69% adequate, 12% surplus. Irrigation Water Supply is 1% very poor, 18% poor, 47% fair, 32% good and 2% excellent. Cool, wet weather conditions delayed fieldwork in many areas. Planting progress in Northern state continues to fall further behind the five year average for most crops due to wet and cool conditions. Rain showers have delayed the need for irrigation systems to be turned on. Hay, Roughage Supply 3% short, 66% adequate, 31% surplus. Sugarbeets 72% emerged, 39% 2002, 48% avg. Oats 64% planted, 66% 2002, 59% avg.; 40% emerged, 34% 2002, 30% avg. Onions 93% emerged, 67% 2002, 87% avg. Dry Peas 31% planted, 67% 2002, 64% avg.; 10% emerged, 23% 2002, 23% avg. Lentils 23% planted, 57% 2002, 45% avg. Potatoes 34% planted, 40% 2002, 39% avg.; 0% emerged, 0% 2002, 2% avg. Dry Beans 3% planted, 12%, 2002, 3% avg. Winter Wheat 48% jointed, 29% 2002, 42% avg. Spring Wheat 1% jointed, 1%, 2002, 5% avg. Barley 1% jointed, 0% 2002, 4% avg. Activities: Caring for livestock, spraying insects, planting spring wheat, barley, oats, sugarbeets, potatoes, field corn, lentils, dry peas.

ILLINOIS: Days Suitable for fieldwork 3.0. Topsoil 1% very short, 7% short, 64% adequate, 28% surplus. Oats 97% seeded, 92% 2002, 94% avg.; 2% poor, 19% fair, 69% good, 10% excellent. Alfalfa hay 3% poor, 20% fair, 61% good, 16% excellent. Red Clover 1% poor, 21% fair, 66% good, 12% excellent. Showers across the state last week eliminated the dry, dusty conditions in the north but could further delay corn planting in central, southern areas. Rainfall totals by district ranged from 2.2 inches in the north to less than an inch in the central part of the state. Apple trees, other fruit trees were in full bloom as temperatures were less than 1^o cooler than normal in the north to 4^o warmer in the south. Activities: Mowing, spring tillage, hauling grain, applying chemicals, fertilizers.

INDIANA: Days suitable for fieldwork 3.6. Topsoil 1% very short, 6% short, 55% adequate, 38% surplus. Subsoil 6% very short, 16% short, 61% adequate, 17% surplus. Corn, soybean planting made good progress in the northern, east central regions. Corn planting 6 days ahead of average. Soybean planting 1 day ahead of average. Many fields of corn have emerged. Most of state received rain which slowed field activities. Very little damage from previous week's frost. Dry soil conditions reduced in most areas from rain last week, especially late weekend showers. Ponding in low lying areas of some fields. Temperatures averaged 2^o to 7^o above normal for the week. Precipitation averaged 0.10 to 1.66 inches. Fertilizer, anhydrous ammonia were being applied on many fields. Farmers continued spraying chemicals for weed, insect control. Winter wheat 84% good to excellent compared with 66% 2002. Wheat 83% jointed, 91% 2002, 95% avg. Wheat looks good, growth, development improving. Hay supplies remain short, most areas. Livestock are in mostly good condition. Spring calving active. Lambing virtually complete. Pastures continue to improve and grow. Pastures 1% very poor, 5% poor, 27% fair, 57% good, 10% excellent. Activities: Tilling soils, planting major crops, moving grain to market, hauling manure, repairing equipment, purchasing supplies, cleaning fence rows, taking care of livestock.

IOWA: Days suitable for fieldwork 2.7. Topsoil 0% very short, 2% short, 67% adequate, 31% surplus across state. During the past week, State improved its soil moisture levels while making gains on fieldwork when soil conditions allowed. Although the moisture was welcomed, soil moisture levels are now at the point where several days of drying weather would be favorable in order to continue fieldwork. Oat 98% seedings, 93% last week 99% 2002, 74% emergence, 50% last week, but slightly below the 79% 2002. Corn 28% planting, 56% percent

complete. This is slightly ahead of last year's progress of 50% complete, 50% 5-yr avg of complete. Corn 3% emergence, 5% 2002, 7% 5-yr avg. Soybean 4% planting, 6% 2002, 11% 5-yr avg. Pasture Range feeds 0% very poor, 5% poor, 33% fair, 52% good, 10% excellent.

KANSAS: Days suitable for fieldwork 3.8. Topsoil 4% very short, 11% short, 72% adequate, 13% surplus. Subsoil 16% very short, 34% short, 47% adequate, 3% surplus. Wheat 95% jointed, 81% 2002, 89% avg. Range, pasture 14% very poor, 25% poor, 34% fair, 22% good, 5% excellent. Stockwater supplies 11% very short, 24% short, 65% adequate. Hay, forage supplies 9% very short, 33% short, 57% adequate, 1% surplus. Feed grain supplies 4% very short, 19% short, 75% adequate, 2% surplus. Activities: Widespread showers improved the crop, pasture outlook in many areas but subsoil moisture remains very low in the Southwest portion of the State where dry conditions have caused some wheat failure.

KENTUCKY: Days suitable for fieldwork 3.8. Topsoil 1% short, 71% adequate, 28% surplus. Subsoil 1% short, 76% adequate, 23% surplus. For the week, temperatures averaged 65°, 3° above normal. Rainfall Statewide was .92 in. Rain the beginning and end of the week somewhat hampered farmers efforts to work in the fields. Tobacco transplants emerged; less than 2 inches 41%, 2 to 4 inches 36%, larger than 4 inches 23%. Burley tobacco set 3% and dark tobacco set 1%. Winter wheat 4% poor, 20% fair, 48% good, 28% excellent; 50% headed. Corn 70% planted, 52% emerged, 3% poor, 25% fair, 53% good, 19% excellent. Winter wheat 4% poor, 20% fair, 48% good, 28% excellent. Hay crops 4% poor, 21% fair, 54% good, 21% excellent. Pasture feed 2% poor, 19% fair, 59% good, 20% excellent. Nitrogen supplies generally adequate statewide with tightest supplies reported in eastern state.

LOUISIANA: Days suitable for fieldwork 6.2. Soil 15% very short, 44% short, 40% adequate, 1% surplus. Corn 6% very poor, 10% poor, 40% fair, 42% good, 2% excellent; 100% emerged, 91% last week, 100% 2002, 100% avg. Cotton 15% emerged, 6% last week, 36% 2002, 30% avg. Planting of cotton made excellent gains but remained slightly behind last year's crop. Hay 1st 21% cutting, 11% last week, 27% 2002, 27% avg. Rice 27% fair 67% good, 6% excellent. Rice producers were applying herbicides, fertilizer. Sorghum 25% emerged, 9% last week, 44% 2002, 38% avg. Soybeans 19% emerged, 8% last week, 20% 2002, 22% avg. Spring plowing 95% plowed, 86% last week, 89% 2002, 93% avg. Sugarcane 3% very poor, 7% poor, 40% fair, 44% good 6% excellent. Sweet potatoes 2% planted, 0% last week, 7% 2002, 5% avg. Winter wheat 16% poor, 43% fair, 39% good, 2% excellent; 95% headed, 89% last week, 99% 2002, 99% avg; 34% turning color, 1% last week, 46% 2002, 63% avg. Livestock 4% poor, 44% fair, 45% good, 7% excellent. Vegetables 12% poor, 54% fair, 32% good, 2% excellent.

MARYLAND: Days suitable for fieldwork 5.8. Topsoil 3% short, 85% adequate, 12% surplus. Subsoil 88% adequate, and 12% surplus. Corn 26% planted, 50% 2002, 38% avg.; 3% emerged, 18% 2002, 8% avg. Soybeans 3% planted, 4% 2002, 4% avg. Strawberries 84% bloomed, 82% 2002, 73% avg. Apples 84% bloomed, 95% 2002, 86% avg. Peaches 97% bloomed, 96% 2002, 95% avg. Sweet Corn 30% planted, 48% 2002, 39% avg. Green peas 90% planted, 94% 2002, 92% avg. Potatoes 82% planted, 82% 2002, 95% avg. Barley 4% very poor, 9% poor, 27% fair, 57% good, 3% excellent; 27% headed, 89% 2002, 80% avg. Tomatoes 35% planted, 38% 2002, 39% avg. Hay supplies 24% very short, 33% short, 40% adequate, 3% surplus. Other Hay 1st 9% cutting, 12% 2002, 8% avg. Alfalfa Hay 1st 10% cutting, 9% 2002, 6% avg. Acreage prepared for spring 56% planting. Winter Wheat 5% very poor, 9% poor, 31% fair, 48% good, 7% excellent; 4% headed, 51% 2002, 28% avg. Pasture feed 4% poor, 29% fair, 49% good, 18% excellent. Tobacco 3% transplanted, 16% 2002, 6% avg. Snap beans 11% planted, 18% 2002, 15% avg. Cantaloupes 21% planted, 22% 2002, 26% avg. Watermelons 13% planted, 21% 2002, 20% avg. Warm days allowed more farmers to plant corn, green peas, potatoes, sweet corn. Small grains are beginning to head, are in fair to good condition. Hay supplies are short to adequate while pasture feed is mostly good. Peaches, apples, strawberries are in full bloom.

MICHIGAN: Days suitable for fieldwork 4.0. Topsoil 1.0% very short, 12% short, 61% adequate, 26% surplus. Subsoil 12% very short, 28% short, 50% adequate, 10% surplus. Barley 35% planted, 25% 2002, 67% avg.; 1.0% emerged, 13% 2002, 46% avg. Oats 68% planted, 58% 2002, 74% avg.; 14% emerged, 32% 2002, 47% avg. The past week rainy, warm across State. Temperatures ranged from 4° below normal to 2° above normal State. Average rainfall amounts ranged from none Upper Peninsula to 1.98 inches southwest Lower Peninsula. In Upper Peninsula frost is still coming out of ground, pasture feeds not good because of frost. Calving of beef cows, lambing still in progress. Warm weather over past week allowed a lot of fieldwork to progress. Recent rains have improved soil moisture conditions. The wheat crop continued to grow, looked good. Wheat fields still at a Feekes' growth stage of 5. Corn, soybean planting continued southeast, west central Lower Peninsula. Corn field conditions have been very good for planting. Oat planting continued west central, southeast, central. Sugarbeet planting conditions very good. The earliest planted fields had good emergence. Alfalfa overall survived winter very well. Pasture, alfalfa conditions have improved with rain. Tree planting has begun northwest part of Lower Peninsula. Manure is still being applied, along with lime, fertilizer. There was scattered fruit loss to frost last week southwest, west central Lower Peninsula. Apples beginning to bloom southwest, early pink southeast, tight cluster west central. Flower set appeared heavy. European red mites scarce. Spotted teniform leaf miners prevalent south. Oriental fruit moths caught a few traps south. Apricots blooming west central. Peaches blooming southwest, early pink southeast. Trees appeared healthy. No peach leaf curl observed. Tart, sweet cherries bloom southwest. Sweet cherries southeast, on Ridge nearing bloom. In west central, sweet cherries ranged from bud burst to first white bud. Tart cherries bud swell southeast, bud burst west central. Growers protecting against cherry leaf spot southwest. Japanese plums west central open cluster to white bud, European plums green tip to bud burst. Pears at white bud southeast, bud burst west central. Pear psylla adults flying across State. Eggs easily found northwest. Blueberry bud burst continued. Mummy berry trumpets continued to be observed. Growers southwest began spraying for mummyberry. Strawberry flower buds emerging from soil southwest. Vegetable growers last week continued to plant onions, celery, sweet corn, peas, potatoes, cabbage, carrots. Growers southwest laid plastic. Asparagus harvest began southwest. Frost west central Saturday morning may delay asparagus harvest.

MINNESOTA: Days suitable for fieldwork 5.9. Topsoil 3% very short, 15% short, 78% adequate, 4% surplus. Corn 90% ground prepared, 66% 2002, 66% avg. Soybeans 37% ground prepared, 21% 2002, 30% avg. Potatoes 55% planted, 34% 2002, 37% avg. Sweet corn 17% planted, 11% 2002, 15% avg. Green peas 46% planted, 41% 2002, 41% avg. Canola 39% planted, 5% 2002, NA% avg. Dry Beans 1% planted, 1% 2002, 5% avg. Sunflowers 5% planted, 1% 2002, 4% avg. Pasture feed 3% very poor, 9% poor, 34% fair, 49% good, 5% excellent. Alfalfa 4% very poor, 10% poor, 40% fair, 39% good, 7% excellent. Planting activities began full force last week. Temperatures in the 50's and 60's this past week allowed growers to continue with planting activities throughout the week. The statewide average temperature was 50.5 degrees, 0.1° above normal for the week.

MISSISSIPPI: Days suitable for fieldwork 6.0. Soil 3% very short, 19% short, 58% adequate, 20% surplus. Corn 99% planted, 99% 2002, 95% avg.; 95% emerged, 90% 2002, 86% avg. Cotton 64% planted, 51% 2002, 39% avg.; 30% emerged, 25% 2002, 18% avg. Rice 69% planted, 70% 2002, 71% avg.; 35% emerged, 40% 2002, 40% avg. Sorghum 70% planted, 54% 2002, 60% avg.; 49% emerged, 35% 2002, 37% avg. Soybeans 68% planted, 52% 2002, 44% avg.; 48% emerged, 32% 2002, 28% avg. Wheat 96% heading, 97% 2002, 91% avg.; 7% poor, 44% fair, 45% good, 4% excellent. Hay 50% harvested (cool season), 44% 2002, 32% avg. Cattle 2% very poor, 5% poor, 18% fair, 61% good, 14% excellent. Pasture 1% very poor, 8% poor, 24% fair, 54% good, 13% excellent. Watermelons 90% planted, 87% 2002, 71% avg.; 1% very poor, 4% poor, 20% fair, 69% good, 6% excellent. Warm, windy conditions allowed rapid progress in planting for cotton, rice, soybeans.

MISSOURI: Days suitable for fieldwork 2.1. Topsoil 1% very short, 9% short, 69% adequate, 21% surplus. Subsoil moisture 6% very short, 30% short, 60% adequate, 4% surplus. Substantial rainfall delayed

fieldwork throughout the State but planting progress is still within a normal range of recent years. Ground worked at least once for spring crops 73%, 75% 2002, 75% avg. Corn planting ranges from about 33% northeast to 95% west-central, southwest, southeast districts. Sorghum planting most advanced southwest, southeast at over 30%, some central, northern counties still just beginning. Soybean planting in the main cropping districts ranges from 4 to 9%, southeast district most advanced. Wheat crop most advanced in the southeast at 54% headed, little or no heading in northern counties. Pasture feed 1% very poor, 11% poor, 36% fair, 43% good, 9% excellent. Water levels in ponds improved but some reporters indicated more run-off is still needed. Rainfall averaged 1.78 inch, ranging from less than 1.25 inch northwest, southwest districts to 2.35 inches southeast. Tornado activities of May 4 damaged buildings, trees in many extreme western counties. Some hail reported but crop damage was minimal.

MONTANA: Days suitable for fieldwork 4.2. Topsoil 2% very short, 14% short, 72% adequate, 12% surplus. Subsoil 18% very short, 28% short, 52% adequate, 2% surplus. Winter wheat 1% very poor, 8% poor, 22% fair, 53% good, 16% excellent. Winter wheat has broken dormancy and 0% still dormant, 2% greening, 98% green, growing. Barley 55% planted, 34% 2002, 58% 5-yr avg.; 22% emergence, 7% 2002, 20% 5-yr av. Corn 35% planted, 17% 2002, 27% 5-yr avg. Dry bean's 23% planted, 16% 2002, 19% 5-yr avg. Oats 32% plantings, 26% 2002, 41% 5-yr avg, 7% emergence, 13% 5-yr avg. Potatoes 8% planted, 5% 5-yr avg. Spring wheat 57% planted, 35% 2002, 56% 5-yr avg.; 12% emergence, 3% 2002, 19% 5-yr avg. Sugar beets 87% planted, 76% planting, 87% 5-yr avg.; 13% emergence, 22% 2002, 40% 5-yr avg. Livestock grazing 90% open, 3% difficult, 7% closed, with range, pasture feed 7% very poor, 20% poor, 33% fair, 34% good, 6% excellent. Currently, 53% of cattle, sheep are receiving supplemental feed. Calving, lambing are at 92% and 77% complete, compared to 93% and 80% last year.

NEBRASKA: Days suitable for fieldwork 2.3. Topsoil 7% short, 84% adequate, 9% surplus. Subsoil 14% very short, 42% short, 43% adequate, 1% surplus. Corn 33% planted, behind 52% 2002, 44% average. Sugar beets 83% planted, 91% 2002. Wheat 61% jointed, ahead of 31% 2002, 41% avg. Oats 94% planted, 96% 2002, 94% avg.; 77% emerged, 80% 2002, 71% average. Alfalfa 1% very poor, 7% poor, 30% fair, 47% good, 15% excellent. Pasture, range feed 13% very poor, 23% poor, 37% fair, 23% good, 4% excellent, below year ago, average. Wheat 7% poor, 34% fair, 47% good, 12% excellent.

NEVADA: Storms continued to pass through the State bringing widespread rains with snow at higher elevations. Precipitation totals for the week exceeded one inch in some localities. Accumulated snowpack in the western mountains exceeds normal, while Central, eastern state snow accumulations remained somewhat below normal. Temperatures averaged a few degrees below normal. Widespread rains improved range, pasture feeds with cattle being turned out on the range. Forage growth remained slow due to cool weather. Surface irrigation water supplies remained very short for the Lovelock valleys where irrigation commenced. Spring grain seeding advanced, was nearing completion in central, eastern state. Potato planting was slowed by rains. Sprinkler irrigation of recently planted onions continued. Garlic growth, condition good. Alfalfa, other hay growth slowed by cool weather with crop condition good. Activities: Calving, branding, lambing, field preparation, spring grain seeding, irrigation, equipment maintenance, weed spraying, fence repairs, crop marketing, ditch burning.

NEW ENGLAND: Days suitable for field work 5.3. Topsoil 2% very short, 2% short, 71% adequate, 25% surplus. Subsoil 2% very short, 9% short, 79% adequate, 10% surplus. Pasture feed 5% very poor, 14% poor, 38% fair, 39% good, 4% excellent. Maine Potatoes 0% planted, 0% 2002, 5% avg. Rhode Island Potatoes 10% planted, 60% 2002, 45% avg.; condition good. Massachusetts Potatoes 35% planted, 30% 2002, 50% avg.; condition good. Maine Oats: 0% planted, 5% 2002, 10% avg. Maine Barley 0% planted, 5% 2002, 10% avg. Field Corn 5% planted, 5% 2002, 5% avg.; condition fair/good. Sweet Corn 10% planted, 10% 2002, 15% avg.; condition good/fair. First Crop Hay: condition good/fair. Apples: Dormant to Bud Stage, condition fair/good. Peaches: Bud Stage, condition fair/good. Pears: Bud Stage, condition fair/good.

Strawberries Dormant to Bud Stage, condition fair/good. Massachusetts Cranberries: Dormant to Bud Stage, condition good/fair. Highbush Blueberries: Dormant to Bud Stage, condition fair/good. Maine Wild Blueberries: Dormant to Bud Stage, condition good. Warmer temperatures with some precipitation helped thaw out the ground, moving most field crop farmers closer to planting. Most crops' planting schedules remain behind normal for this region. Activities: Planting early vegetables, sweet corn under plastic, field corn, potatoes; spreading lime, manure; prepping seed beds for planting; applying fertilizer; pruning; plowing; tilling; discing; fixing fences.

NEW JERSEY: Days suitable for field work 6.4. Top soil 94% adequate, 6% surplus. Activities: Ground preparation, spreading manure, planting vegetables, fertilizing, liming, harvesting spring vegetables. There was small amounts of rainfall during the week. Average weekly temperatures were above normal, but fell below normal over the weekend in most areas of the state. Small grains, hay condition was rated fair to good across the state. In southern state there were some reports of weevils, aphids on alfalfa hay fields. Corn, soybean planting began in central and southern counties. Lettuce harvest started in southern counties. Asparagus harvest activities continued. Cabbage planting was mostly completed. Strawberries were starting to bloom in the north. In the south, strawberries were in full bloom, with harvest beginning in some fields. Peaches were in full bloom in northern locations. Apple buds began blooming in northern areas, heavy apple bloom was reported in southern orchards. Blueberry bloom set was reported heavy. Blueberry bushes were sprayed for mummy rot. Grape vines were sprayed for black rot.

NEW MEXICO: Days suitable for fieldwork 6.7. Topsoil 30% very short, 54% short, 16% adequate. State experienced a fairly normal spring week with temperatures within a few degrees of normal at most locations. Temperatures hit the 90s at some of the lower elevation stations of the southeast, with Roswell topping out at 97° on the 3rd. Typical, spring, breezy conditions prevailed during the week, with gusty winds common during the afternoons. Precipitation was spotty, light, confined to the north on the 4th. Wind damage 22% light, 14% moderate, 3% severe. Damage was primarily to chile and cotton. Farmers spent the week preparing land, irrigating, planting crops, spraying for insects, cutting alfalfa, wheat for hay, silage. Alfalfa remained in mostly fair to good condition, with 56% of the first cutting complete. Corn 54% planted, 20% emerged. Cotton 63% planted. Total winter wheat 54% headed, with conditions almost unchanged at 27% very poor, 35% poor, 27% fair, 11% good. Lettuce progress jumped to 30% harvested, conditions remain listed as fair to excellent. Chile planting was almost finished at 95% complete, with conditions reported as mostly fair to good. Onions were still in fair to excellent condition. Pecans are looking good, are catkinning out. Ranchers spent the week calving, hauling water, supplementing feed. Many were deepening their wells, reducing herds as the drought situation gets worse. Livestock conditions showed some improvement, but mostly because of the culling off of poorer doing animals. Cattle 2% very poor, 12% poor, 44% fair, 41% good, 1% excellent. Sheep 2% very poor, 13% poor, 47% fair, 29% good, 9% excellent. Pasture, range desperately need moisture. 30% very poor, 40% poor, 27% fair, only 3% good.

NEW YORK: Days suitable 5.1. Soil 4% short, 78% adequate, 18% surplus. Pasture feed 40% poor, 40% fair, 20% good. Fieldwork began to pick up during the early part of the week, but was slowed on 1st and 2nd due to widespread thunderstorms, rain. Oats 57% planted, 54% 2002; 20% fair, 72% good, 8% excellent. Winter wheat 1% poor, 20% fair, 67% good, 12% excellent. Corn 14% planted, 8% 2002; soil temperatures still too cold in most areas. Some potato planting occurred. Sweet cherries budburst to early white bud. Tarts at bud burst. Scattered frost damage to Lake Erie Concord vineyards. Onion planting in Orange County neared completion.

NORTH CAROLINA: Days suitable for field work . Soil 0% very short, 1% short, 68% adequate, 31% surplus. Ideal spring temperatures blanketed the State during the week, fostering good growing conditions for field crops. Severe storms in the southern mountains brought hail and strong winds, but caused minimal crop damage. Most of the remaining areas of state enjoyed a second week of drier weather. Good

progress was made planting tobacco and corn. Some farmers with saturated fields are considering planting their remaining corn acreage in soybeans or cotton. Disease, insects continue to be reported in tobacco greenhouses, small grains. Activities for the week included land preparation, fertilization; planting corn, cotton, tobacco; hay making; picking strawberries, applying pesticides.

NORTH DAKOTA: Days suitable for fieldwork 5.9. Topsoil 5% very short, 17% short, 68% adequate, 10% surplus. Subsoil 14% very short, 27% short, 54% adequate, 5% surplus. Above normal temperatures, below normal precipitation enabled producers to make good progress planting crops. Durum wheat 24% planted, 6% emerged or beyond. Canola 29% planted, 3% emerged or beyond. Flaxseed 14% planted, 1% emerged or beyond. Potatoes 18% planted, 2% emerged or beyond. One percent of the sunflowers were planted. Hay, forage supplies 14% very short, 23% short, 62% adequate, 1% surplus. Grain, concentrate 7% very short, 11% short, 78% adequate, 4% surplus. Calving 90% complete. Lambing 93%, shearing 95% complete. Fourteen percent of the pastures, ranges were still dormant. Pasture, range feeds 14% very poor, 26% poor, 38% fair, 21% good, 1% excellent.

OHIO: Day suitable for fieldwork 5.6. Topsoil 1% very short, 16% short, 74% adequate, 9% surplus. Corn 83% planted, 10% 2002, 28% avg.; 8% emerged, 2% 2002, 4% avg. Soybeans 41%, planted, 5% 2002, 15% avg. Sugarbeets 99%, 28% 2002, 42% avg. Oats 99% planted, 59% 2002, 82% avg.; 57% emerged, 27% 2002, 59% avg. Winter Wheat 78% jointed, 73% 2002, 82% avg.; 2% headed, NA 2002, NA avg. Potatoes 55% planted, 38% 2002, 43% avg. Livestock 0% very poor, 2% poor, 15% fair, 67% good, 16% excellent. Pasture feeds 1% very poor, 4% poor, 24% fair, 57% good, 14% excellent. Winter wheat 1% very poor, 2% poor, 16% fair, 53% good, 28% excellent. Hay 0% very poor, 2% poor, 21% fair, 63% good, 14% excellent. Apple 0% very poor, 1% poor, 20% fair, 62% good, 17% excellent. Peach 0% very poor, 2% poor, 21% fair, 62% good, 15%. Farmers across the state of state participated in a planting marathon which saw five year averages of many crops surpassed. Producers planted large amounts of corn, sugarbeets. Growers also drilled soybeans and are just about finished planting the oat crop. The spring rains during the week were greatly appreciated by many in the farming community but more is needed in some locations. Vegetable producers planted tomatoes, sweet corn, onions, green beans. Fruit producers report trees are in full bloom in many locations.

OKLAHOMA: Days suitable for fieldwork 6.1. Topsoil 15% very short, 36% short, 48% adequate, 1% surplus. Subsoil 14% very short, 34% short, 52% adequate. Winter Wheat 13% soft dough, n/a last week, 10% 2002, 10% avg. Rye 2% very poor, 8% poor, 30% fair, 53% good, 7% excellent. Oats 2% very poor, 9% poor, 37% fair, 48% good, 4% excellent; 82% jointing, 73% last week, 77% 2002, 83% avg.; 38% headed, 17% last week, 28% 2002, 47% avg. Corn 93% seedbed prepared, 91% last week, 90% 2002, 96% avg.; 58% planted, 45% last week, 84% 2002, 84% avg.; 35% emerged, 24% last week, 43% 2002, 36% avg. Sorghum 48% seedbed prepared, 46% last week, 54% 2002, 56% avg. Soybeans 65% seedbed prepared, 60% last week, 67% 2002, 69% avg.; 25% planted, 18% last week, 29% 2002, 27% avg. Peanuts 79% seedbed prepared, 78% last week, 84% 2002, 79% avg. Cotton 88% seedbed prepared, 87% last week, 89% 2002, 85% avg. Alfalfa Hay 1% very poor, 4% poor, 27% fair, 55% good, 13% excellent; 46% first cutting, 26% last week, 25% last year, 38% avg. Other Hay 1% very poor, 9% poor, 39% fair, 43% good, 8% excellent; 1st 16% cutting, 9% last week, 9% 2002, 14% avg. Watermelons 61% planted, n/a last week, 38% 2002, 47% avg. Livestock 1% very poor, 4% poor, 26% fair, 56% good, 13% excellent; Pasture, Range 3% very poor, 12% poor, 39% fair, 37% good, 9% excellent; Livestock: Livestock were rated in mostly good to fair condition. Activities: Were rated as none to moderate with flies, ticks the major problem reported. Cattle auctions reported a slight increase in marketings from last week. The price for feeder steers less than 800 pounds increased from last week and averaged \$83.65 per cwt. The average price for feeder heifers less than 800 pounds decreased from last week, averaged \$76.05 per cwt.

OREGON: Days suitable for fieldwork 4.6. Topsoil 0% very short, 12% short, 77% adequate, 11% surplus. Subsoil 3% very short, 22% short, 67% adequate, 8% surplus. Barley 69% planted, 67% previous week, 86% 2002, 88% 5-yr avg.; 47% emerged, 44% previous week, 68% 2002, 0% very poor, 4% poor, 52% fair, 37% good, 8% excellent. Spring wheat 90% planted, 88% previous week, 99% 2002, 76% 5-yr avg.; 62% emerged, 52% previous week, 91% 2002. Winter wheat 0% very poor, 5% poor, 56% fair, 32% good, 7% excellent. Range, Pasture 2% very poor, 11% poor, 36% fair, 46% good, 5% excellent. Activities: Trend of cool temperatures, wet conditions continued throughout State, though somewhat less so than previous week. Field work, planting continued to be delayed as a result, but vegetable, grain crops benefited from rain. Several counties experienced heavier precipitation over weekend. Total April rainfall reported at 0.5 inches above average in Harney County. Those pasture, range feeds below normal more affected by cooler temperatures than precipitation. The Dalles reported 55 growing degree days, 34 above normal. Coastal area weather stations reported as much as 1.76 inches of precipitation, south central stations all reported air temperatures below normal. Spring planting continued State wide as weather permitted. Rain east of Cascades improved outlook for field crops but also slowed spring planting. In Sherman County, winter wheat crop expected to be shorter than normal but should have average or better yields. Cheat grass started to head out, cereal rye in boot stage. In Wasco County, alfalfa in bud stage, first hay cutting expected soon. In Willamette Valley areas, winter wheat still showing stress because of too much water, especially in low areas of fields. Grass seed fields doing well with extra water. Drier conditions needed to complete spring planting. In Lane County, peppermint fields being burned for rust control. In Marion County, growers finishing up with fertilizer, herbicide applications on grass seed fields, wheat fields. Hop yards being strung, rust sprays being applied to mint fields. In Washington County, crimson clover showing bud, red clover, alfalfa growing rapidly. Vegetable growers another week behind due to cool, wet weather. Processed vegetables, cole crops estimated to be four weeks late in Willamette Valley areas. Rhubarb harvest underway. In Jackson County, most onion fields seeded, most sweet corn planted on well drained fields. In Deschutes County, showers had delayed some potato planting; however, Morrow County potato planting mostly finished, emerging. Shipments of balled, burlaped, container material slowing down. Greenhouses shipping bedding plants to retail outlets; however, home gardeners slowed down with too much rain. Spring plant sales going strong with five or six major sales last weekend in Portland area. Christmas trees budding. Most fruit trees in Clackamas County past full bloom. Strawberry bloom developed slowly. Lane County apples, pears, blueberries, raspberries, blackberries in full bloom. Washington County growers dusted, flailed hazelnuts. Some growers applied their final Eastern Hazelnut Blight spray in Yamhill County. Wasco County cherries developing rapidly. Jackson County orchardists completed petal fall sprays. In eastern state, livestock condition good to excellent. Branding, turnout underway. Range conditions limited somewhat by lower temperatures. In western state, livestock appeared in good condition. Dairies a month late getting green chop started due to wet fields, some dairy pastures too wet for grazing. Beef cows out on drier pastures but some concern to damaging grass on saturated soils. Supplemental feeding continued. Pasture, range feeds below normal in coastal areas due to cool temperatures, rainfall.

PENNSYLVANIA: Days suitable for field work 6.0. Soil 10% very short, 18% short, 64% adequate, 8% surplus. Spring 63% plowing, 73% 2002, 66% avg. Corn 26% planted, 28% 2002, 24% avg. Barley 33% heading, 62% 2002, 49% avg. Winter wheat 14% heading, 9% 2002, 9% avg.; 1% very poor, 4% poor, 20% fair, 53% good, 22% excellent. Oats 79% planted, 69% 2002, 73% avg.; 35% emerged, 53% 2002, 43% avg.; 4% poor, 43% fair, 40% good, 13% excellent. Potatoes 29% planted, 29% 2002, 29% avg. Pasture feed 3% very poor, 9% poor, 25% fair, 52% good, 11% excellent. Activities: Planting oats, corn, potatoes; harvesting rye; plowing fields; hauling manure; spreading lime, fertilizer; spraying fields; repairing equipment, fences; caring for livestock.

SOUTH CAROLINA: Days suitable for field work 5.8. Soil 77% adequate, 23% surplus. Corn 80% planted, 99% 2002, 98% avg.; 64% emerged, 98% 2002, 89% avg.; 3% poor, 47% fair, 47% good, 3% excellent. Soybeans 6% planted, 18% 2002, 12% avg. Sorghum 35% planted, 49% 2002, 44% avg.; 100% fair. Cotton 10% planted, 28%

2002, 23% avg. Peanuts 12% planted, 37% 2002, 29% avg. Winter wheat 94% headed, 98% 2002, 94% avg.; 9% turning color, 59% 2002, 32% avg.; 1% very poor, 6% poor, 22% fair, 67% good, 4% excellent. Barley 86% headed, 95% 2002, 80% avg. Barley 5% turning color, 35% 2002, 26% avg.; 1% poor, 22% fair, 74% good, 3% excellent. Pastures 1% poor, 12% fair, 71% good, 16% excellent. Rye 86% headed, 97% 2002, 92% avg.; 14% turning color, 46% 2002, 34% avg.; 3% poor, 16% fair, 75% good, 6% excellent. Oats 85% headed, 98% 2002, 94% avg.; 9% turning color, 46% 2002, 36% avg.; 18% fair, 79% good, 3% excellent. Sweetpotatoes 15% planted, 28% 2002, 24% avg. Tobacco 94% transplanted, 98% 2002, 95% avg.; 14% poor, 44% fair, 42% good. Grain Hay 30% harvested, 48% 2002, 46% avg.; 24% fair, 64% good, 12% excellent. Peaches 2% very poor, 4% poor, 13% fair, 41% good, 40% excellent. Apples 100% good. Snapbeans 90% planted, 93% 2002, 83% avg.; 10% fair, 90% good. Cucumbers 99% planted, 99% 2002, 93% avg.; 63% fair, 37% good. Watermelons 89% planted, 93% 2002, 95% avg.; 7% poor, 31% fair, 61% good, 1% excellent. Tomatoes 99% planted, 95% 2002, 94% avg.; 62% good, 38% excellent. Cantaloups 81% planted, 83% 2002, 87% avg.; 47% fair, 53% good. Livestock 1% poor, 14% fair, 69% good, 16% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 3.3. Topsoil 2% very short, 19% short, 75% adequate, 4% surplus. Subsoil 18% very short, 31% short, 50% adequate, 1% surplus. Feed supplies 20% very short, 31% short, 47% adequate, 2% surplus. Stock water supplies 16% very short, 28% short, 54% adequate, 2% surplus. Winter Rye 4% very poor, 21% poor, 22% fair, 38% good, 15% excellent; 14% boot, 1% 2002, 19% avg.; 4% boot, 1% 2002, 6% avg.; 0% headed, 0% 2002, 3% avg. Cattle 1% very poor, 2% poor, 23% fair, 61% good, 13% excellent. Sheep 1% very poor, 2% poor, 20% fair, 63% good, 14% excellent. Range, Pasture 12% very poor, 27% poor, 37% fair, 21% good, 3% excellent. Calving 85% complete. Lambing 89% complete. Cattle moved to pasture 28% complete. Calf deaths 26% below avg.; 73% avg.; 1% above avg. Sheep, lamb deaths 22% below avg.; 78% avg. Recent rains have improved the spring outlook for most crops as producers continue to move ahead with spring planting. Activities: Maintaining fences, working cattle, field preparation, planting small grains, row crops.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 2% short, 77% adequate, 21% surplus. Subsoil 2% short 82% adequate, 16% surplus. Wheat 99% jointed, 99% 2002, 100% avg.; 68% headed, 75% 2002, 81% avg.; 5% poor, 19% fair, 60% good, 16% excellent. Apples 97% blooming or beyond, 94% 2002, 98% avg. Peaches 96% blooming or beyond, 97% 2002, 99% avg. Pastures 2% poor, 17% fair, 64% good, 17% excellent. Cattle 2% poor, 19% fair, 65% good, 14% excellent. Alfalfa hay 1st 10% cutting, 6% 2002, 11% avg.; 1 poor, 22% fair, 62% good, 15% excellent. Other hay 1st 7% cutting, 5% 2002, 7% avg.; 1 poor, 21% fair, 65% good, 13% excellent. Cotton planting was in full swing this past week, despite occasional showers, thunderstorms. Corn planting was in line with a year ago, continues to surpass the normal pace. Activities: Transplanting tobacco, cutting hay, applying fungicides, insecticides to crops. Temperatures averaged above normal across the State for the week, while rainfall amounts were quite variable. The assessment of hail, wind damage to crops, structures from the severe weather experienced on Sunday evening, May 4, are not yet known. The first cutting of both alfalfa, other hay were underway last week. The recent moisture has aided pasture growth. Some producers were concerned about the hay crop becoming too ripe, losing quality before it can be harvested.

TEXAS: Agricultural Summary: Hot, windy, dry conditions dominated most areas of the state, with the exception of afternoon thunderstorms, showers in parts of the Low Plains, Cross Timbers, North Central state. Isolated areas reported heavy rainfall, hail. Small tornadoes were reported across the Plains, with some minor damage reported. Rain was also received in parts of South state. In most areas of the State, soil moisture continued to be depleted as constant dry winds blew for most of the week. Planting of spring crops continued where conditions allowed, but some producers were waiting for rain before planting. Small grains continued to develop, mature under less than ideal conditions. Planting activities were increasing for cotton, sorghum in northern areas. In the southern regions of the state, planting activities continued to wind down, cultivation activities were underway. Insect, disease problems

were reported in some areas during the week. Many producers continued to bale wheat for hay or remove cattle as forage supplies decreased. Pasture feeds varied across the state, ranging from poor in western areas to good in southern areas. Livestock continued to be in good condition in most areas of the state. Small Grains: Growth, development of small grains continued in areas where rains had fallen. In drier areas, yield potential was decreasing with the lack of moisture. Baling of small grains, cutting wheat for silage continued to be active in many areas. Wheat 49% of normal compared with 45% 2002. Corn: Planting of corn was very active on the Plains, was mostly complete in other areas. Most of the planted acreage was progressing well, but was in need of rainfall. Producers were side dressing corn with fertilizer, cultivating for weeds. Despite good corn stands, moisture will be critical within the next weeks. Corn 75% of normal compared with 70% 2002. Cotton: Planting activity was beginning in more areas of the Plains, still was making progress in central areas. Producers continued to pre-water, apply herbicides. Some light insect problems were reported in the Coastal Bend area. Moisture shortages continued to be a concern in most areas. Sorghum: Land preparations continued in the Plains, Central state. Planting was active in Central, North Central state. Some dryland locations were too dry, planting will be on hold until rain is received. Planting was nearly complete in southern, central areas. Sorghum 79% of normal compared with 57% 2002. Peanuts: Planting was underway in some areas of the High Plains, south state. Land preparations, field work continued in other areas. Rice: Planting, emergence made progress during the week. Growth, development were considered mostly normal in earlier planted fields. Rice 86% of normal compared to 88% 2002. Soybeans: Land preparation, pre-watering remained active where possible. Planting continued in some locations. Planting in some dryland locations will be slow until moisture is received. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley harvest of carrots, cabbage, potatoes, onions continued. Some whitefly spraying of watermelons, cantaloupe was reported. In the San Antonio-Winter Garden area planting continued but was winding down for some vegetable crops. Onions were approaching maturity, harvest was expected to begin within the next week. Green beans were blooming. Carrot, cabbage harvest continued. Some watermelon fields were having problems with whiteflies. In Trans-Pecos region, pecan orchards required heavy irrigation. Applications of zinc were in progress in a few locations. Onions were progressing well. Conditions were windy, dry. In East state, spring vegetable, watermelon planting continued. Watermelons continue to make good progress with warmer weather. Some melons were showing signs of wind damage. Strawberry harvest was about complete. Vegetables, fruits were making fair to good growth with only light insects, disease pressure. Range, Livestock: Range, pasture feeds showed improvement in some areas that received additional rainfall. However, high winds, warm temperatures slowed recovery in other areas. Livestock conditions remained good in most areas. Supplemental feeding was necessary for livestock in some areas. Flies, lice continued to cause problems. Livestock coming off of small grain pastures were showing fair to good weight gains. Ranchers were busy moving, marketing, working livestock.

UTAH: Days suitable for fieldwork 6.0. Topsoil 3.0% very short, 22% short, 73% adequate, 2.0% surplus. Subsoil 8.0% very short, 38% short, 54% adequate. Stock Water Supplies 9.0% very short, 28% short, 62% adequate, 1.0% surplus. Irrigation Water Supplies 20% very short, 37% short, 43% adequate. Barley 85% emerged, 53% 2002, 68% avg.; 20% fair, 69% good, 11% excellent. Cattle/Calves cows calved 92%, 94% 2002, 94% avg. Cattle/calves 1.0% very poor, 6.0% poor, 27% fair, 53% good, 13% excellent. Corn 29% planted, 23% 2002, 24% avg. Oats 83% planted, 65% 2002, 67% avg.; 53% emerged, 46% 2002, 41% avg. Potatoes 25% planted, 31% 2002, 29% avg. Ewes Lamed on Range 77%, 82% 2002, 79% avg. Sheep Sheared on Range 83%, 91% 2002, 89% avg. Sheep 3.0% very poor, 5.0% poor, 26% fair, 60% good, and 6.0% excellent. Spring Wheat 85% emerged, 63% 2002, 73% avg.; 37% fair, 53% good, 10% excellent. Winter Wheat 3.0% poor, 46% fair, 35% good, 16% excellent. Range, Pasture feed 7.0% very poor, 21% poor, 36% fair, 35% good, 1.0% excellent. Activities: Planting corn, spraying for pests, tending to livestock. Showers fell on central, eastern state over the weekend with some areas receiving as much as 1.0 inch of rain. Low temperatures ranged from the upper 20s to low 50s, high temperatures were between the low 50s and upper 70s. Small grains continued emerging from fields and farmers sprayed for army cutworms, Mormon crickets. The cool weather has slowed the growth of small

grains, alfalfa. An irrigation meeting in Rich county reported that only two canals will be carrying irrigation water this year. Weber county expects to run out of irrigation water in late July. Livestock continued to be in good condition however more moisture is needed to improve the outlook for summer. Rich county reported that in order to improve the condition of the range, cattle will be moved onto summer ranges a week late and will be moved off early this year. Ranchers in Beaver county have expressed concerns about grazing on federal lands.

VIRGINIA: Days suitable for fieldwork 5.2. Topsoil 4% short, 72% adequate, 24% surplus. Subsoil 3% short, 79% adequate, 18% surplus. Pasture 1% very poor, 6% poor, 24% fair, 57% good, 12% excellent. Livestock 4% poor, 20% fair, 64% good, 12% excellent. Other Hay 2% poor, 24% fair, 65% good, 9% excellent. Alfalfa Hay 2% poor, 18% fair, 66% good, 14% excellent. Corn 49% planted, 71% 2002, 55% 5-yr avg.; 23% emerged for Grain, 57% 2002, 15% 5-yr avg. Soybeans 1% planted, 5% 2002, 3% 5-yr avg. Winter Wheat 5% very poor, 11% poor, 34% fair, 44% good, 6% excellent; 27% headed, 66% 2002, 13% 5-yr avg. Barley 2% very poor, 11% poor, 32% fair, 46% good, 9% excellent. Greenhouse Tobacco 1% poor, 10% fair, 65% good, 24% excellent. Tobacco Plantbeds 34% fair, 65% good, 1% excellent. Flue Tobacco 11% transplanted, 20% 2002, 16% 5-yr avg. Burley Tobacco 5% transplanted, 2% 2002, 2% 5-yr avg. Dark Fire Tobacco 5% transplanted, 4% 2002, 6% 5-yr avg. Peanuts 10% planted, 35% 2002, 22% 5-yr avg. Cotton 26% planted, 47% 2002, 42% 5-yr avg. Summer Potatoes 2% very poor, 8% poor, 45% fair, 45% good. Apples 43% fair, 57% good. Peaches 11% very poor, 1% poor, 16% fair, 69% good, 3% excellent. Favorable weather across much of state early in the week allowed producers to continue with their spring activities. By the end of the week, showers moved across the state, which slowed or stopped fieldwork progress. Despite the good weather early in the week, land preparation, seeding were generally one to two weeks behind normal. Some producers have started cutting first crop hay. Planting of corn, cotton continued while planting of soybeans, peanuts was just starting. Activities: Scouting small grains for insects, disease, fence building, tending cattle, sheep

WASHINGTON: Days suitable for fieldwork averaged 5.7. Topsoil 7% short, 92% adequate, 1% surplus. Subsoil 9% short, 90% adequate, 1% surplus. Irrigation water supplies 9% short, 91% adequate. The highest temperature in the state was 78° in Pasco. The lowest temperature in the state was 31° in Colville and Pullman. Winter wheat 3% headed, 2% very poor, 7% poor, 19% fair, 53% good, 19% excellent. Spring wheat 96% planted, 70% emerged, 38% fair, 44% good, 18% excellent. Barley 97% planted, 67% emerged, 31% fair, 40% good, 29% excellent. Spring planting of cereal, pulse crops neared completion across the Palouse in spite of showers during the week. Some producers in the northeast were having to reseed due to the heavy rain. Potato planting was nearly complete in Adams County, while Kittitas County was just beginning. In the west, Christmas tree growers were finishing up planting, applying fertilizer. Potatoes 88% planted, 32% emerged. Corn 67% planted, 10% emerged. Dry peas 73% planted. Dry edible beans 35% planted. Processing green peas 84% planted. Alfalfa 1st 8% cutting complete. Hay, other roughage 7%

short, 93% adequate. Range, pasture feeds 1% poor, 67% fair, 31% good, 1% excellent. Dairy producers harvested green chop from rapidly growing forage fields in the west. Spring range conditions in the central region were considerably improved with the recent rains. In Grant County, hail around the Royal Slope area caused damage to the fruit crop while hail in Douglas County around the Bridgeport area did not generate any damage reports. Sweet corn planting was underway in Grant, Kittitas Counties. Asparagus harvest continued in Adams, Walla Walla

WEST VIRGINIA: Days suitable for field work 4.0. Topsoil 4% short, 86% adequate, 10% surplus 65% adequate, 35% surplus 2002. Intended acreage prepared for Spring 65% planting, 62% in 2002, 67% 5-yr avg. Hay, roughage 14% very short, 37% short, 49% adequate. Feed grain 2% very short, 12% short, 86% adequate. Corn 18% planted, 33% 2002, 24% 5-yr avg.; 1% emerged. Soybeans 1% planted, 10% 2002, 4% 5-yr avg. Winter Wheat 14% fair, 79% good, 7% excellent, 1% headed, 26% 2002, 12% 5-yr avg. Oats 67% planted, 70% 2002, 61% 5-yr avg.; 26% emerged, 40% 2002, 27% 5-yr avg. Tobacco 100% beds seeded, 100% 2002, 98% 5-yr avg.; 82% emerged, 96% 2002, 80% 5-yr avg. Hay 1% poor, 44% fair, 49% good, 6% excellent. Apples 41% fair, 58% good, 1% excellent. Peaches 42% fair, 57% good, 1% excellent. Cattle, calves 2% poor, 35% fair, 61% good, 2% excellent; 92% calved, 92% 2002, 92% 5-yr avg.; 82% emerged, 96% 2002, 80% 5-yr avg. Sheep, Lambs 5% poor, 47% fair, 47% good, 1% excellent; 93% lambled, 95% 2002, 94% 5-yr avg. Light frost in some areas, no damage evident. Pastures, meadows growing fast. Planting is still behind; however; preparations underway.

WISCONSIN: Days suitable for fieldwork 5.2. Soil 1% very short, 17% short, 72% adequate, 10% surplus. It was a very busy week for state's farmers. Conditions around the state seemed to be tailored for what needed to happen. Farmers took advantage of dry conditions early in the week to complete many spring activities. Tractors were running night, day in most areas. Precipitation midweek slowed progress in southern state, but producers were more than happy for the rain, a short break. Northern state was dry for most of the week, soils were worked for long hours. The soaking rains late in the week will insure germination of newly planted crops, boost alfalfa and winter wheat growth. Pasture feeds 3% very poor, 15% poor, 36% fair, 44% good, 2% excellent. Pasture growth has lagged behind normal, but should improve quickly with warmer temperatures. Temperatures for the week were near normal for this time of year, but cool nights have slowed growth.

WYOMING: Days suitable for field work 4.7. Topsoil 13% very short, 41% short, 46% adequate. Subsoil 24% very short, 58% short, 18% adequate. Winter wheat 1% very poor, 11% poor, 45% fair, 42% good, 1% excellent; 21% jointed, 8% 2002, 5-yr avg. Barley 82% planted, 84% 2002, 82% 5-yr avg.; 52% emerged, 44% 2002, 50% 5-yr avg. Oats 55% planted, 37% 2002, 49% 5-yr avg.; 27% emerged, 10% 2002, 17% 5-yr avg. Spring wheat 69% planted, 26% 2002, 51% 5-yr avg.; 21% emerged, 15% 2002, 22% 5-yr avg. Sugarbeets 78% planted, 68% 2002, 86% 5-yr avg.; 12% emerged, 9% 2002, 21% 5-yr avg. Corn 21% planted, 24% 2002, 28% 5-yr avg. Stock water supplies 19% very short, 31% short, 50% adequate. Range, pasture feed 12% very poor, 29% poor, 41% fair, 18% good. Spring 91% calves born, 92% 2002, 92% 5-yr avg. Calf 21% losses light, 78% normal, 1% heavy. Farm flock 94% sheep shorn, 93% 2002, 5-yr 93% avg. Farm flock ewes 94% lambled, 91% 2002, 94% 5-yr avg. Range flock 83% sheep shorn, 67% 2002, 73% 5-yr avg. Range flock ewes lambled 38%, 43% 2002, 40% 5-yr avg. Lamb losses 19% light, 81% normal. Weekly temperatures averaged below normal in most of the State. About half of the stations received above normal precipitation. All stations received some precipitation. The heaviest moisture fell in Kaycee with 2.37 inches. Yearly precipitation totals remained above normal in eastern areas, two inches or less below normal in other areas.

International Weather and Crop Summary

April 27 - May 3, 2003

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

HIGHLIGHTS

EUROPE: Widespread rain extended from England and northern France, eastward into Poland and Scandinavia, boosting soil moisture for spring and winter crops.

FSU-WESTERN: Dry weather accompanied a warming trend in Ukraine and southern Russia, helping spring grain and summer crop planting.

MIDDLE EAST: Mostly dry weather favored summer crop planting in Turkey, while rain benefited winter grains in western Iran.

NORTHWESTERN AFRICA: Hot, dry weather favored maturing winter grains.

SOUTH AFRICA: Unseasonably warm, dry weather continued in the maize triangle, favoring corn maturation and early harvesting, but hampering winter wheat germination in Free State.

EASTERN ASIA: Rain overspread the North China Plain as above-normal temperatures increased moisture demands of winter wheat.

SOUTHEAST ASIA: Showers fell throughout Thailand favoring rice, while lighter amounts fell in the main corn growing areas.

AUSTRALIA: Widespread rain brought additional drought relief to Queensland and northern New South Wales, while farther south, extreme drought continued to hamper winter grain planting.

SOUTH AMERICA: Inundating rain caused locally severe flooding in parts of central Argentina and southern Brazil.

April 2003

MONTHLY DATA FROM SELECTED FOREIGN CITIES CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA *** DATA NOT AVAILABLE

COUNTR	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	10	-1	19	-7	4	0.9	63	17
SWEDEN	UPPSALA	9	-1	21	-7	4	-0.4	18	-16
FINLAN	HELSINKI	7	-2	21	-10	3	-0.7	28	-7
UKINGD	ABERDEEN	12	5	19	-3	8	1.4	54	-6
	MANCHESTER	15	6	25	-2	10	2.1	63	14
	CARDIFF	16	7	27	1	12	2.2	60	-4
	LONDON	16	6	26	-1	11	1.5	25	-23
IRELAN	DUBLIN	13	5	18	-2	9	1.0	39	-13
ICELAN	REYKJAVIK	9	5	14	-3	7	3.7	41	-13
DENMAR	COPENHAGEN	11	2	18	-3	7	-0.1	5	-29
LUXEMB	LUXEMBOURG	15	5	23	-4	10	2.1	52	-6
SWITZE	ZURICH	15	5	24	-5	10	1.8	37	-45
	GENEVA	16	6	23	-3	11	2.0	58	-3
FRANCE	PARIS/ORLY	17	7	25	-2	12	1.8	2	-52
	STRASBOURG	17	5	27	-4	11	1.6	1	-40
	BOURGES	18	7	26	-2	12	2.6	41	-16
	BORDEAUX	20	9	27	2	14	3.0	16	-58
	TOULOUSE	18	9	25	0	14	2.5	4	-60
	MARSEILLE	19	10	26	3	14	1.5	23	-30
SPAIN	VALLADOLID	17	6	22	0	12	1.4	95	51
	MADRID	18	7	25	0	13	0.6	35	-3
	SEVILLE	23	12	28	9	18	0.7	84	29
PORTUG	LISBON	19	12	25	10	15	1.0	105	47
GERMAN	HAMBURG	14	3	22	-7	9	1.1	38	-9
	BERLIN	14	4	22	-5	9	0.3	21	-16
	DUSSELDORF	16	5	26	-6	10	0.6	20	-36
	LEIPZIG	14	3	24	-7	9	1.0	21	-20
	DRESDEN	13	4	23	-5	9	0.7	12	-36
	STUTTGART	15	3	25	-6	9	0.5	16	-39
	NURNBERG	15	3	24	-8	9	0.4	11	-31
	AUGSBURG	14	1	24	-8	8	-0.3	17	-35
AUSTRI	VIENNA	15	4	26	-5	10	-0.5	27	-13
	INNSBRUCK	16	3	26	-10	9	0.9	53	-10
CZECHR	PRAGUE	13	2	26	-7	8	0.0	22	-5
POLAND	WARSAW	12	2	25	-5	7	-0.6	28	-7
	LODZ	12	2	25	-5	7	-1.1	26	-10
	KATOWICE	13	1	27	-6	7	-1.4	48	1
HUNGAR	BUDAPEST	16	5	27	-4	11	-0.3	20	-21
YUGOSL	BELGRADE	17	7	32	-3	12	-0.2	24	-36
ROMANI	BUCHAREST	16	3	29	-4	10	-2.0	25	-30
BULGAR	SOFIA	14	4	29	-6	9	-1.5	89	38
ITALY	MILAN	18	8	27	-3	13	0.7	25	-55
	VERONA	17	8	23	-2	13	0.4	70	1
	VENICE	16	8	23	-1	12	-0.2	81	10
	GENOA	17	11	25	4	14	0.4	111	0
	ROME	***	***	27	6	***	***	***	***
	NAPLES	19	9	28	-1	14	0.5	36	-55
GREECE	THESSALONIKA	17	8	26	-2	12	-1.9	34	-4
	LARISSA	17	6	29	-4	12	-2.1	28	-10
	ATHENS	18	10	23	1	14	-2.0	29	-4
TURKEY	ISTANBUL	14	6	23	2	10	-2.5	60	14
	ANKARA	15	2	23	-11	9	-0.9	81	29
CYPRUS	LARNACA	22	12	26	7	17	-0.4	10	-4
ESTONI	TALLINN	6	-1	16	-7	2	-1.5	43	7
RUSSIA	ST.PETERSBURG	6	-1	18	-10	3	-1.9	21	-13
LITHUA	KAUNAS	10	1	19	-5	6	-1.1	34	-6
BELARU	MINSK	9	1	21	-9	5	-1.8	48	-1
RUSSIA	KAZAN	9	1	18	-5	5	0.3	14	-20
	MOSCOW	9	1	18	-6	5	-1.5	44	5
	YEKATERINBURG	10	0	18	-8	5	0.8	8	-20
	OMSK	7	-2	20	-12	3	-1.3	10	-11
KAZAKH	KUSTANAY	9	-2	21	-10	3	-2.3	44	23
RUSSIA	BARNAUL	7	-2	26	-14	2	-1.5	25	-3
	KHABAROVSK	13	2	22	-7	7	3.0	17	-28
	VLADIVOSTOK	11	4	22	-2	7	2.6	27	-28
UKRAIN	KIEV	12	3	25	-6	7	-1.7	23	-25
	LVOV	12	2	26	-5	7	-0.7	26	-29
	KIROVOGRAD	12	2	23	-4	7	-2.2	28	-11
	ODESSA	11	5	19	-2	8	-1.5	39	4
	YALTA	12	6	20	1	9	-2.0	42	10

Based on Preliminary Reports

April 2003

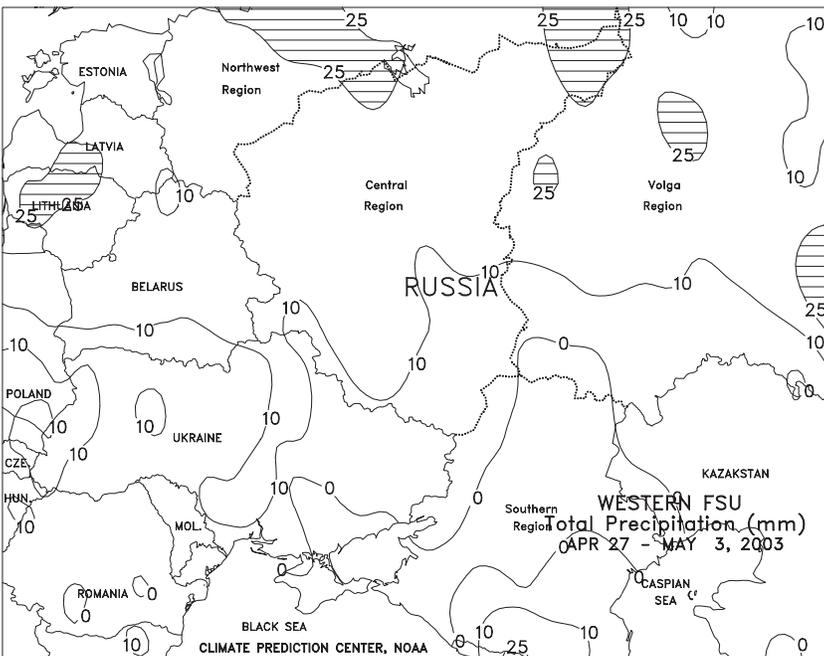
COUNTR	CITY	TEMPERATURE (C)						PRECIPITATION (MM)			COUNTR	CITY	TEMPERATURE (C)						PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM	AVG MAX			AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM		
RUSSIA	SARATOV	10	2	20	-5	6	-1.3	40	10	TANZAN	DAR ES SALAAM	33	23	35	17	28	1.3	13	-259		
UKRAIN	KHARKOV	11	2	21	-5	6	-2.9	26	-10	GABON	LIBREVILLE	***	***	32	24	***	***	***	***		
RUSSIA	VOLGOGRAD	12	2	20	-6	7	-2.6	10	-13	TOGO	LOME	33	26	34	22	29	1.0	126	26		
	ASTRAKHAN	14	3	23	-3	9	-2.7	29	7	BURKIN	OUAGADOUGOU	40	28	43	20	34	0.9	24	4		
	KRASNODAR	14	4	23	-2	9	-2.9	39	-18	COTE D	ABIDJAN	***	***	33	27	***	***	***	***		
	ORENBURG	10	0	22	-8	5	-2.0	10	-13	MOZAMB	MAPUTO	30	21	36	13	26	1.5	9	-39		
KAZAKH	TSELINOGRAD	7	-2	26	-12	3	-1.9	15	-1	ZAMBIA	LUSAKA	25	14	29	11	20	-2.1	12	-6		
	KARAGANDA	10	-2	28	-15	4	-1.6	27	3	ZIMBAB	KADOMA	26	13	31	10	20	-2.7	3	-25		
GEORGI	TBILISI	15	6	27	-1	10	-2.8	59	7	S AFRI	PRETORIA	28	15	32	11	21	3.2	4	-41		
UZBEKI	TASHKENT	19	9	32	1	14	-1.9	78	21		JOHANNESBURG	24	12	27	9	18	2.3	12	-31		
TURKME	ASHKHABAD	19	10	36	2	15	-3.0	129	95		BETHAL	26	9	29	1	18	2.4	28	-7		
SYRIA	DAMASCUS	24	8	33	1	16	0.6	3	-7		DURBAN	27	19	33	16	23	1.1	122	47		
ISRAEL	JERUSALEM	21	13	34	8	17	1.5	21	-10		CAPE TOWN	24	14	33	7	19	1.8	10	-34		
PAKIST	KARACHI	36	24	41	22	30	1.7	0	-4	CANADA	TORONTO	11	0	28	-8	6	-0.7	61	-9		
INDIA	AMRITSAR	36	***	41	11	***	***	10	-17		MONTREAL	9	-1	24	-9	4	-1.5	75	-6		
	NEW DELHI	38	22	43	18	30	1.3	12	-4		WINNIPEG	13	-2	26	-11	5	1.4	39	5		
	AHMEDABAD	40	25	44	21	33	1.4	0	-2		REGINA	11	-1	23	-12	5	1.0	50	27		
	INDORE	39	22	42	18	31	0.8	0	-3		SASKATOON	11	0	23	-11	5	0.9	53	28		
	CALCUTTA	36	26	38	20	31	1.1	28	-17		LETHBRIDGE	12	-1	23	-12	6	-0.2	62	30		
	VERAVAL	32	24	37	21	28	0.6	0	***		CALGARY	9	-2	22	-13	4	-1.1	81	58		
	BOMBAY	33	25	35	23	29	0.8	0	***		EDMONTON	10	-1	24	-13	5	-0.9	45	20		
	POONA	38	21	41	11	29	0.7	3	-6		VANCOUVER	13	6	18	3	9	0.0	138	54		
	BEGAMPET	39	25	42	22	32	0.2	28	9	MEXICO	GUADALAJARA	***	15	35	10	***	***	0	-8		
	VISHAKHAPATNAM	32	27	35	25	29	-0.1	5	-15		TLAXCALA	25	11	30	4	18	0.1	7	-18		
	MADRAS	36	26	39	23	31	0.0	1	-10		ORIZABA	26	16	32	5	21	1.1	43	2		
	MANGALORE	35	25	36	22	30	0.6	46	3	BERMUD	ST GEORGES	23	18	25	14	21	1.1	238	143		
HONGKO	HONG KONG INT	28	23	32	19	26	2.7	47	-93	BAHAMA	NASSAU	29	21	32	17	25	1.1	27	-33		
N KORE	PYONGYANG	18	8	24	2	13	2.0	99	58	CUBA	HAVANA	29	18	32	12	23	-1.2	21	-33		
S KORE	SEOUL	18	9	25	5	14	0.8	138	79	JAMAIC	KINGSTON	32	25	34	24	28	1.2	48	12		
JAPAN	SAPORO	13	4	21	-2	9	1.9	64	1	P RICO	SAN JUAN	30	23	33	21	26	0.2	161	66		
	NAGOYA	19	11	28	5	15	0.9	198	51	GUADEL	RAIZET	31	24	32	20	27	1.2	17	-75		
	TOKYO	19	12	28	6	16	1.1	125	-4	MARTIN	LAMENTIN	30	26	32	21	28	2.4	54	-73		
	YOKOHAMA	18	12	26	5	15	0.4	158	7	BARBAD	BRIDGETOWN	31	25	31	23	28	1.2	15	-41		
	KYOTO	20	11	27	5	16	0.9	204	84	TRINID	PORT OF SPAIN	34	24	36	21	29	2.0	4	-31		
	OSAKA	20	13	28	7	16	1.3	153	29	COLOMB	BOGOTA	20	10	23	5	15	1.0	85	-17		
THAILA	PHITSANULOK	38	24	39	22	31	-0.5	1	-54	VENEZU	CARACAS	32	25	34	21	28	2.4	85	57		
	BANGKOK	36	28	38	25	32	1.2	12	-67	F GUIA	CAYENNE	30	24	31	22	27	1.2	321	-124		
MALAYS	KUALA LUMPUR	34	25	35	23	29	1.6	328	84	BRAZIL	FORTALEZA	30	24	31	23	27	-0.4	351	-2		
VIETNA	HANOI	30	24	36	19	27	2.6	59	-32		RECIFE	31	26	32	23	28	-0.3	108	-144		
CHINA	HARBIN	16	4	27	-5	10	2.3	15	-8		CAMPO GRANDE	32	22	35	13	27	2.0	125	30		
	HAMI	19	5	32	-3	12	-1.8	18	16		FRANCA	26	18	29	15	22	0.3	144	80		
	LANCHOW	19	7	30	-1	13	0.7	22	7		RIO DE JANEIRO	30	23	34	20	27	1.6	46	-63		
	BEIJING	21	10	30	5	15	0.5	13	-8		LONDRINA	29	17	34	9	23	1.6	100	-15		
	TIENTSIN	21	11	31	6	16	1.2	8	-16		SANTA MARIA	25	15	31	7	20	-0.5	189	20		
	LHASA	16	4	23	-1	10	1.3	3	-4		TORRES	25	17	34	10	21	-2.9	71	-39		
	KUNMING	26	14	29	9	20	3.0	3	-20	PERU	LIMA	22	17	26	15	20	-1.2	0	0		
	CHENGCHOW	21	11	31	6	16	0.3	18	-21	BOLIVI	LA PAZ	15	1	16	-4	8	-0.5	16	-76		
	YEHCHANG	22	13	32	9	18	0.2	103	16	CHILE	SANTIAGO	23	6	32	2	15	0.6	0	-18		
	HANKOW	20	14	32	9	17	-0.2	164	35	ARGENT	IGUAZU	28	16	33	7	22	0.2	103	-58		
	CHUNGKING	24	16	32	12	20	1.9	77	-17		FORMOSA	30	17	35	7	24	1.2	68	-133		
	CHIHKIANG	20	14	32	7	17	0.3	155	5		CERES	23	14	29	7	19	-0.1	209	104		
	WU HU	20	13	31	8	16	0.0	124	0		CORDOBA	22	12	29	5	17	-0.2	90	18		
	SHANGHAI	19	13	31	8	16	0.9	82	-13		RIO CUARTO	22	12	29	5	17	0.2	92	31		
	NANCHANG	22	15	30	11	18	1.0	265	47		ROSARIO	22	12	28	4	17	0.1	467	339		
	TAIPEI	27	21	33	16	24	1.8	138	-62		BUENOS AIRES	22	11	27	4	16	-0.2	84	-4		
	CANTON	28	21	33	17	24	2.2	60	-140		SANTA ROSA	21	9	29	2	15	-0.1	208	149		
	NANNING	28	20	35	15	24	1.5	155	55		TRES ARROYOS	20	9	27	2	14	0.0	29	-55		
CANARY	LAS PALMAS	22	16	24	14	19	0.4	3	-3	MARSHA	MAJURO	29	27	31	24	28	0.8	339	48		
MOROCC	CASABLANCA	20	13	22	11	17	0.8	41	4	NEW CA	NOUMEA	27	22	31	20	25	0.4	118	11		
	MARRAKECH	24	13	33	9	19	1.2	98	64	FIJI	NAUSORI	30	23	32	19	27	1.4	356	-15		
ALGERI	ALGER	21	10	29	3	16	0.9	87	38	SAMOA	PAGO PAGO	31	26	33	24	28	0.8	222	-62		
	BATNA	21	7	32	0	14	1.6	88	63	TAHITI	PAPEETE	31	24	33	23	28	0.7	147	29		
TUNISI	TUNIS	22	13	32	8	17	1.8	63	26	PNEWGU	PORT MORESBY	30	25	32	21	27	0.6	33	-87		
NIGER	NIAMEY	41	29	44	22	35	1.2	0	-8	NZEALA	AUCKLAND	20	13	23	7	17	***	55	***		
MALI	TIMBUKTU	41	24	45	17	33	1.3	0	-1		WELLINGTON	17	11	23	7	14	***	35	***		
	BAMAKO	40	27	44	22	33	0.8	10	-8	AUSTRA	DARWIN	33	25	36	21	29	0.6	10	-94		
MAURIT	NOUAKCHOTT	34	20	46	16	27	2.3	0	0		BRISBANE	25	17	28	14	21	-0.6	49	-61		
SENEGA	DAKAR	25	20	29	18	22	1.0	0	0		PERTH	26	14	33	4	20	0.5	47	12		
CHAGOS	DIEGO GARCIA	30	26	32	25	28	-0.4	288	85		CEDUNA	23	10	31	4	17	-0.6	6	-13		
LIBYA	TRIPOLI	24	13	35	7	18	-0.4	13	-5		ADELAIDE	22	12	28	7	17	0.0	28	-9		
	BENGHAZI	21	14	31	10	18	-1.3	4	-2		MELBOURNE	20	11	28	6	15	0.0	28	-17		
EGYPT	CAIRO	28	16	41	12	22	0.8	1	-1		WAGGA	23	11	27	6	17	1.4	11	-37		
	ASWAN	36	20	45	15	28	1.0	0	0		CANBERRA	20	8	23	3	14	0.6	17	-31		
ETHIOP	ADDIS ABABA	***	***	23	12	***	***	***	***	INDONE	SERANG	32	24	34	22	28	0.5	47	-75		
KENYA	NAIROBI	28	16	31	14	22	1.4	160	16	PHILIP	MANILA	34	27	36	24	31	0.6	3	-27		

Based on Preliminary Reports



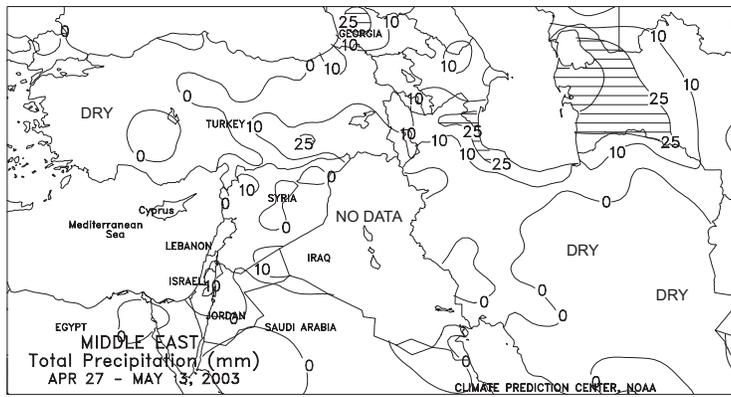
EUROPE

Across northwestern Europe, another cold front brought additional widespread rain to England (20-50 mm), the Low Countries (10-30 mm), and northern France (5-20 mm), boosting topsoil moisture for germinating spring and summer crops, vegetative winter grains, and flowering winter oilseeds. In southern Scandinavia, much-needed rain (10-30 mm) boosted soil moisture for spring and winter crops. In Germany, widespread rain boosted topsoil moisture for developing crops. Greatest amounts of moisture (10-20 mm) were observed in the northwest, with lesser amounts (1-7 mm) falling elsewhere. In Eastern Europe, the Czech Republic and Poland also received widespread rain (5-25 mm) favoring spring and winter crops. Farther south, however, from Hungary to the Balkans, unseasonably warm and mostly dry weather (2-7 mm) lowered topsoil moisture, but spurred winter grain development. Dry, warm weather prevailed across Greece, most of Italy, and Spain. Moderate rain (15-60 mm) fell across northern Portugal and northwestern Spain. Temperatures averaged 1 to 3 degrees C above-normal across Western Europe and 3 to 6 degrees C above-normal across Eastern Europe. Maximum temperatures exceeded 25 degrees C from Spain and central France across southern Germany into Poland. In Southeastern Europe, maximum temperatures ranged from 30 to 34 degrees C.



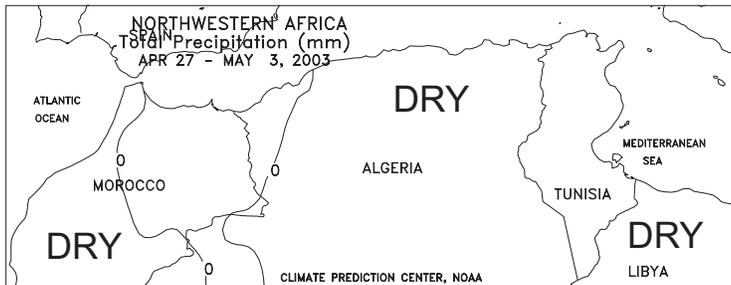
FSU-WESTERN

Dry weather continued to prevail over most of Ukraine and southern Russia, helping spring planting activities. Significant precipitation (10 mm or more) was confined to a narrow band in central Ukraine and the extreme southern portion of the Southern Region in Russia. Reports from Russia as of April 28 indicated that spring grains were about 11 percent planted, while sugar beet and sunflower planting was well underway. In Ukraine, reports as of April 28 indicated that spring grains, excluding corn, were nearly planted, while sugar beet planting was about 57 percent completed. Farther north, light to moderate showers (10-25 mm or more) spread from the Baltics and Belarus eastward across northern Russia, slowing planting activities. Cold weather early in the week was followed by a warming trend that overspread most areas during the remainder of the week, promoting spring-sown crop germination and winter crop development. Crop progress for winter grains likely ranged from jointing in Ukraine and southern Russia, to tillering in the Baltics, northern Belarus, and northern Russia. Weekly temperatures averaged from 1 to 4 degrees C above normal in Lithuania, the Baltics, and western Ukraine, and 1 to 3 degrees C below normal in eastern Ukraine and most of Russia. In major cotton growing areas of Central Asia, drier weather helped cotton planting, although unseasonably cool weather slowed seed germination and early plant establishment. Reports from Uzbekistan as of April 28 indicated that about 81 percent of the cotton crop was planted.



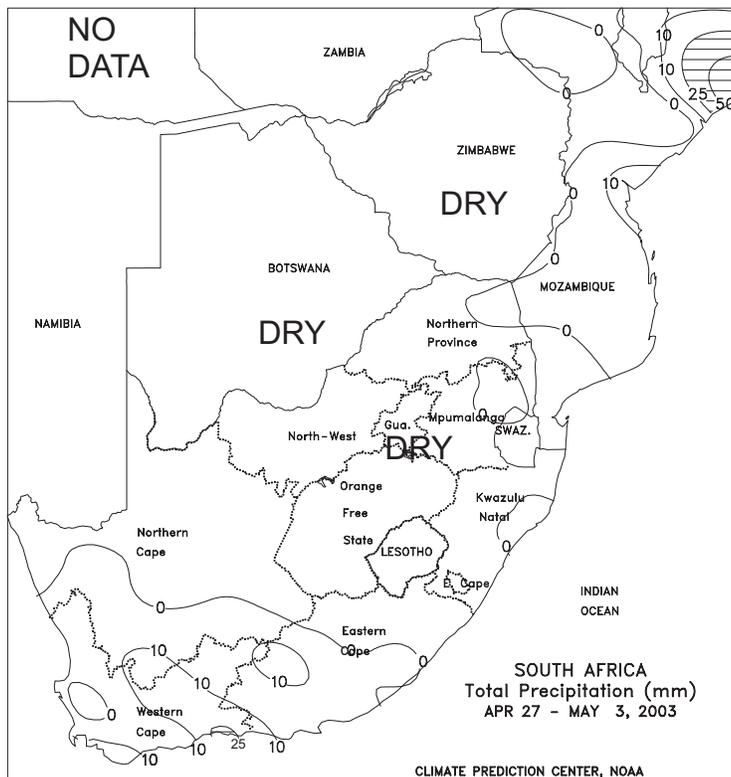
MIDDLE EAST

Across western Turkey, drier weather favored cotton and corn planting, and warmer weather promoted seed germination. In the main winter grains areas of the central Plateau, dry, seasonably warm weather favored winter grain development. Only southeastern Turkey received significant rain (10-25 mm). Along the eastern Mediterranean, mostly dry weather prevailed but adequate moisture supplies exist for winter grain development. In extreme northwestern Iran, light to moderate rain (5-20 mm) continued to provide much needed moisture for vegetative winter grains. Farther south in western Iran, however, mostly dry weather prevailed and more rain is needed to boost soil moisture supplies for rainfed winter grains. Based on weather reports from neighboring countries, light rain possibly fell across northern Iraq. Weekly temperatures averaged 1 to 2 degrees C above-normal across western Turkey, and 2 to 4 degrees C below-normal across the remainder of Turkey, the eastern Mediterranean, and western Iran, slowing winter grain development.



NORTHWESTERN AFRICA

Across Morocco, Algeria, and Tunisia, hot, dry weather hastened the maturity of winter grains. Temperatures averaged 3 to 7 degrees C above-normal, with maximum temperatures near or above 35 degrees C in Algeria and Tunisia. Late planted winter grains, still in the filling stage, were likely stressed by the hot, dry weather conditions.



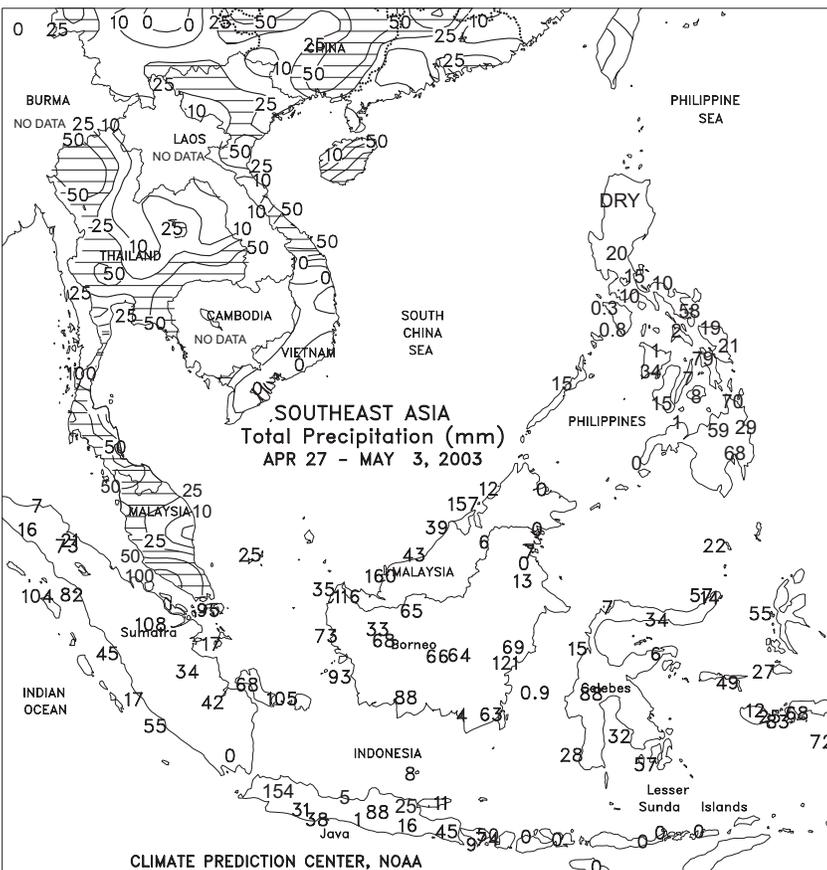
SOUTH AFRICA

For the sixth consecutive week, warm, dry weather in the maize triangle favored the maturation and early harvesting of corn and other summer crops. In Free State, however, the dry weather remained unfavorable for winter wheat, hampering the germination and emergence of recently-planted crops. Furthermore, unseasonably warm weather (temperatures in the middle to upper 20s degrees C, averaging 1-3 degrees C above normal) increased evaporative losses, further reducing topsoil moisture for winter wheat. Farther east, following two weeks of relatively wet weather, more tranquil weather enveloped KwaZulu Natal and Eastern Cape, enabling summer crop harvesting and other fieldwork to resume. In Western Cape, scattered showers (2-10 mm) and seasonably warm weather continued to favor early winter wheat development.



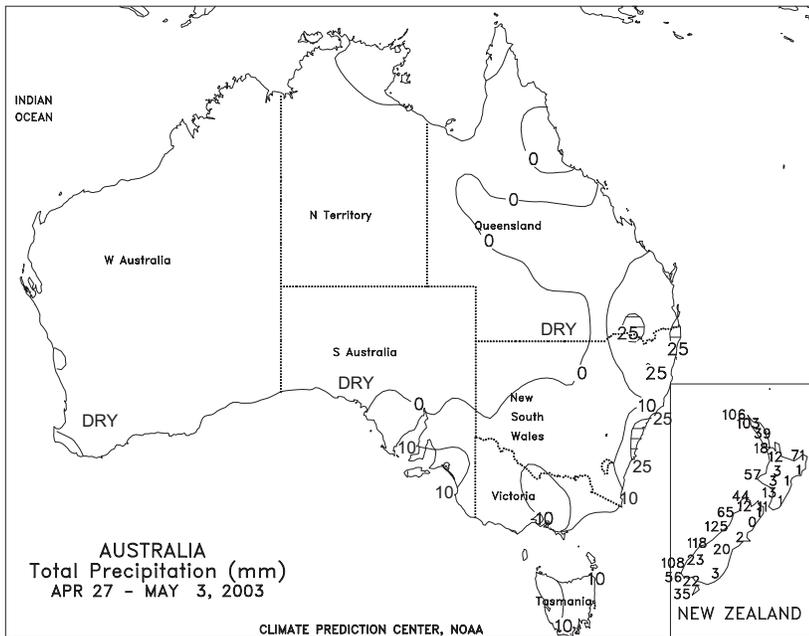
EASTERN ASIA

On the North China Plain, unseasonably warm weather (temperatures averaging 2-4 degrees C above normal, with highs in the upper 20s and lower 30s degrees C) increased moisture demands of winter wheat that ranged from vegetative to filling in development. Rain (10-25 mm or more) brought localized relief from the warmth in Shandong, neighboring areas of Hebei, and in southern growing areas from southern Henan to Jiangsu. Showers were generally scattered and light (3 mm or less) in other winter wheat areas. Crops are in or nearing reproduction in northern growing areas, and require additional moisture and more seasonable temperatures to ensure normal development. In southern China, widespread, locally heavy rain (25-100 mm or more) maintained adequate to abundant moisture reserves for rice and other summer crops in the Yangtze Valley, but unfavorable dryness persisted along the southeast coast (Guongdong through Zhejiang). Elsewhere, light to moderate showers (10-25 mm) lingered over southern Manchuria (Liaoning and southern Jilin), the Korean Peninsula, and most of Japan, keeping topsoils moist for summer crop germination. Warmer-than-normal weather (temperatures averaging 2-3 degrees C above normal, with lows mostly staying above freezing) accompanied the showers in southern Manchuria, aiding spring wheat germination and likely promoting early corn and soybean planting. However, lingering cold (lows near -5 degrees C) limited planting activities farther north (Heilongjiang).



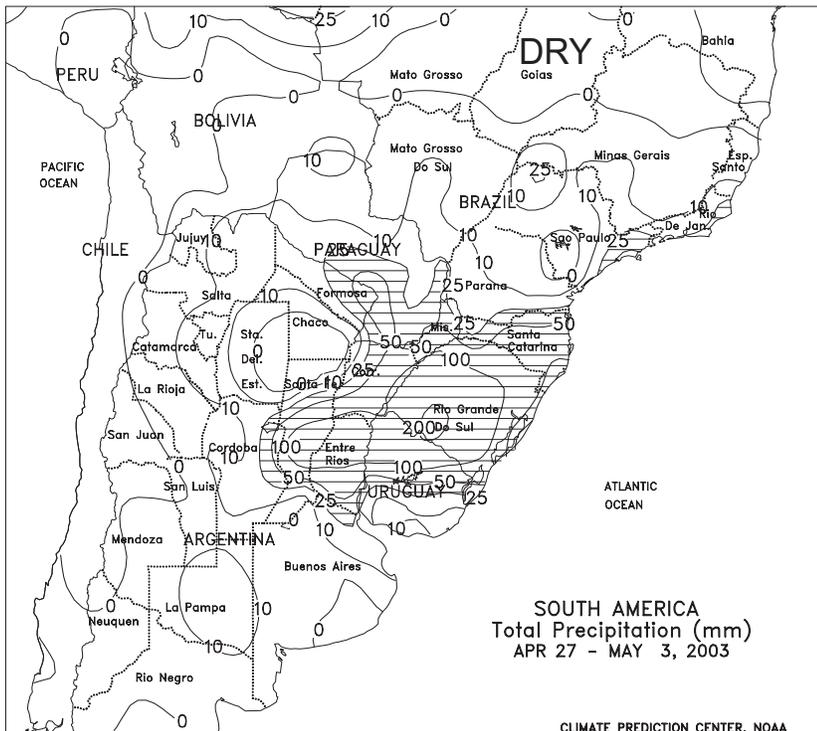
SOUTHEAST ASIA

Moderate to heavy showers (20-100 mm) fell throughout Thailand, with lighter amounts on the Khorat Plateau. The showers favored vegetative corn while slowing rice transplanting. In Vietnam, locally heavy showers slowed summer-autumn rice transplanting in the north, while dry weather favored transplanting activities in the South. Scattered showers (20-75 mm) increased moisture supplies throughout the Philippines for vegetative corn and transplanted main-season rice. The showers were welcomed after a prolonged period of dryness. Shower activity in Java, Indonesia remained persistent, causing delays in rice harvesting. Showers (50-110 mm) resumed in peninsular Malaysia and Sumatra boosting moisture supplies for oil palm.



AUSTRALIA

In southern Queensland and northern New South Wales, widespread showers (5-25 mm or more) continued to boost soil moisture and reservoir levels following months of severe drought. The rainfall slowed cotton and other summer crop harvesting, however, reports indicated that most of the cotton had already been harvested. The wet weather also stalled winter grain planting, but encouraged the germination and emergence of recently sown winter grains. Farther south, lighter and more widely scattered showers (2-7 mm) fell in southern New South Wales, northern Victoria, and South Australia. As has been the case many times in the past several weeks, the showers helped moisten topsoils, but were much too light to end the extreme drought and spur widespread winter wheat and barley planting in this region. In Western Australia, dry weather aided fieldwork, but further reduced topsoil moisture for early winter wheat and barley development. Temperatures in Australia were generally seasonable, favoring crop development in areas where moisture supplies were adequate.



SOUTH AMERICA

Persistent, heavy showers (50-200 mm) resulted in locally severe flooding in central Argentina (Santa Fe and Entre Rios), northern Uruguay, and Rio Grande do Sul, Brazil. Some damage was likely to unharvested summer crops, but mitigating factors included the relatively small areas affected by the heavy rain and the recent good progress in summer crop harvesting. For example, according to government reports from South America, soybeans were 77 and 63 percent harvested, respectively, in Santa Fe, Argentina and Rio Grande do Sul, Brazil prior to the flooding (April 25). Conditions favored harvest activities elsewhere in the region. In Argentina, generally light, scattered rainfall was accompanied by near- to above-normal temperatures outside of the flooded districts. The exception was northern and eastern cotton areas (Formosa and northern sections of Chaco), where scattered showers (25 mm or greater) were untimely for maturing cotton. In Brazil, mostly dry, warmer-than-normal weather supported rapid fieldwork from Parana northward. According to independent reports from within Argentina, corn and soybeans were 70 and 63 percent harvested, respectively, as of May 3, up just a few percentage points from last week. Sunflower harvesting was virtually complete. In Brazil, soybeans were reportedly 91 percent harvested as of May 2.

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