

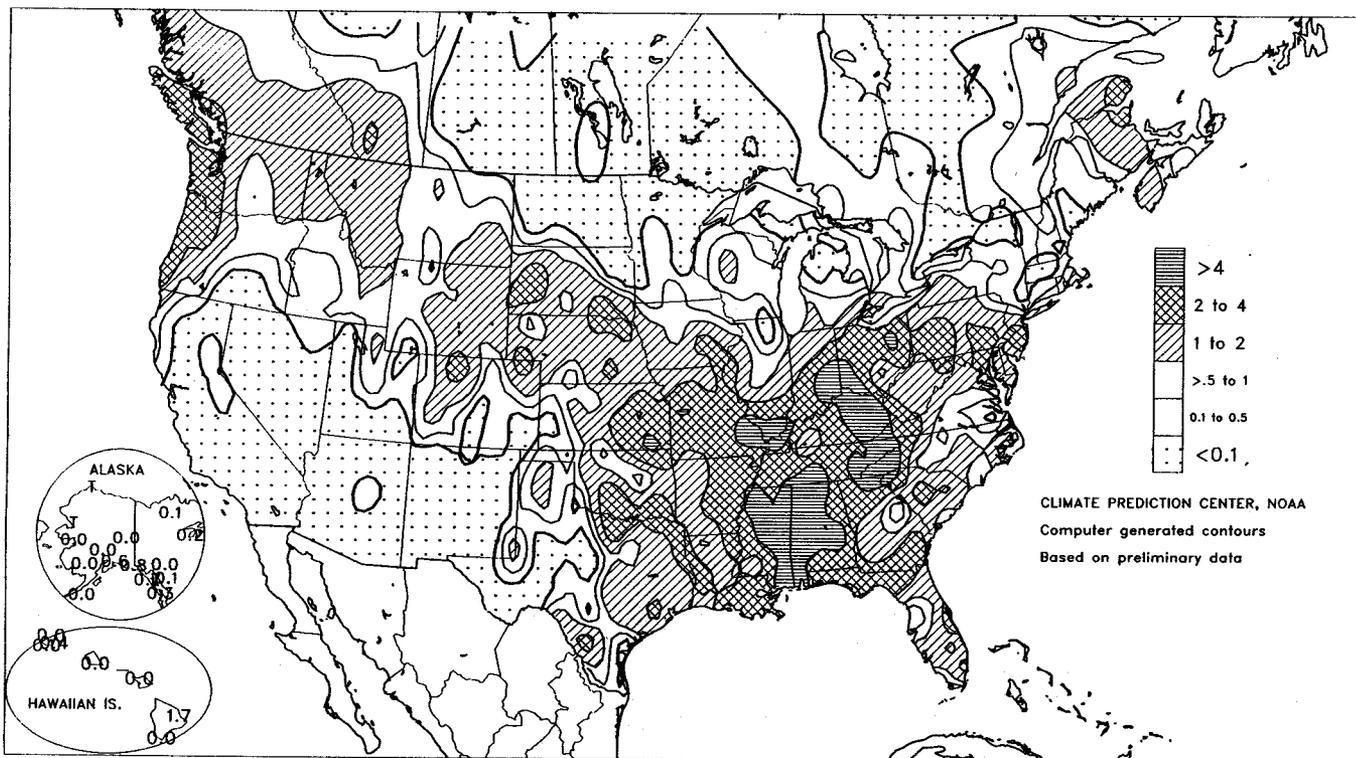
WEEKLY WEATHER AND CROP BULLETIN

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

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

Total Precipitation (Inches)

MAY 25 - 31, 1997



HIGHLIGHTS

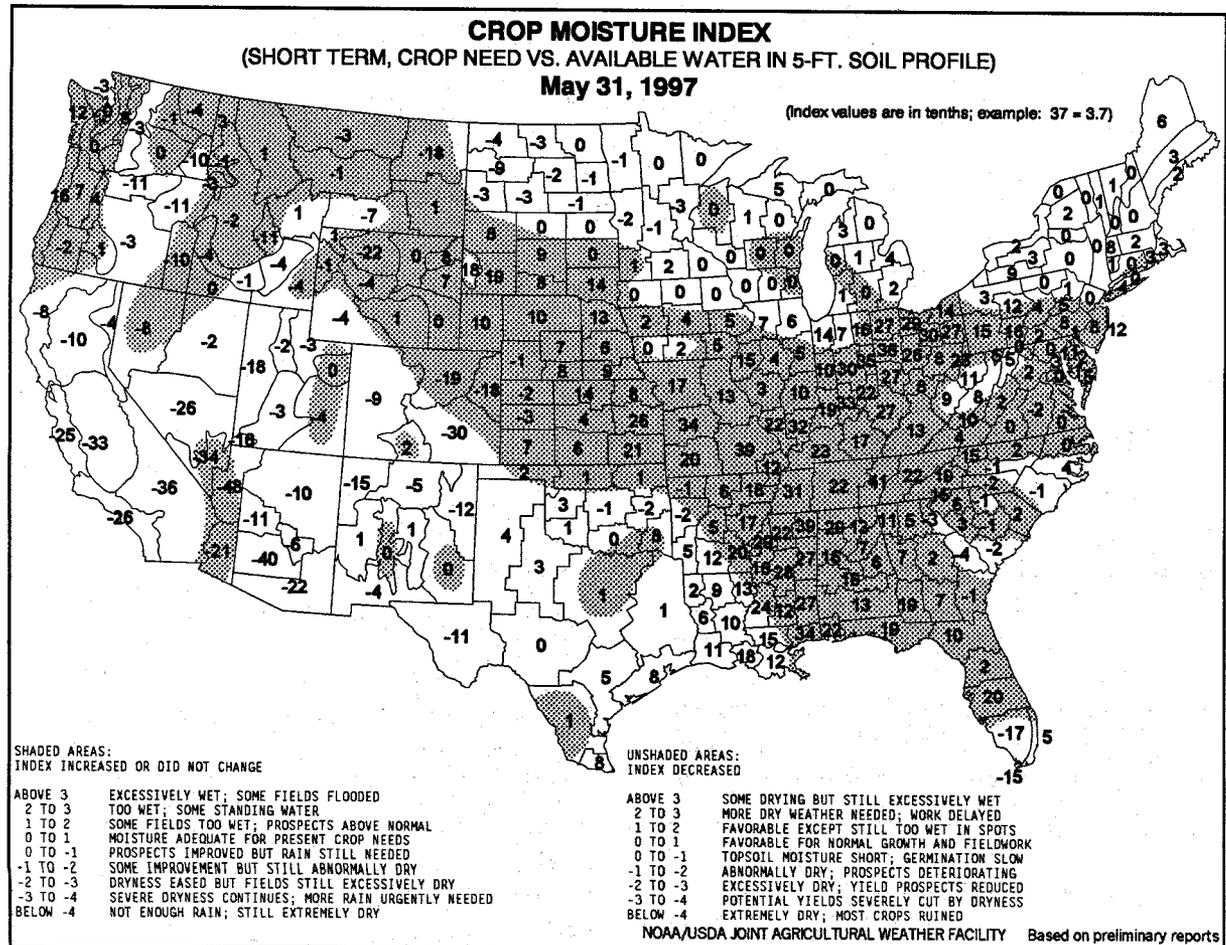
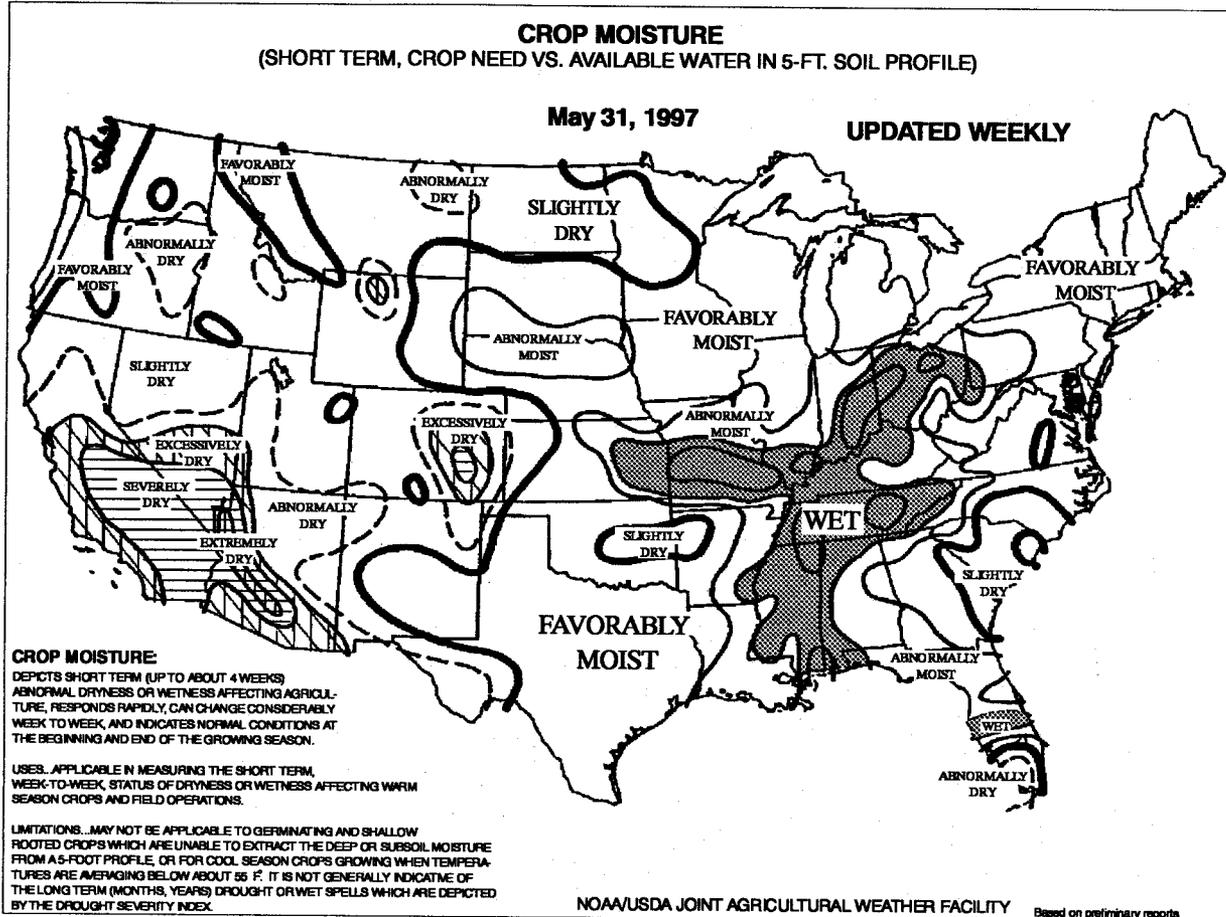
May 25 - 31, 1997

Heavy rain (2 to 6 inches, with locally higher amounts) fell from the east-central Plains to the Ohio Valley, southward to the central Gulf Coast, along and south of the track of two slow-moving low-pressure systems. Strong thunderstorms—including one that spawned an F5 (greater than 260 mph winds) tornado, killing 27 people, in Jarrell, TX—struck several areas. Rainfall boosted topsoil moisture in the Middle Atlantic and Southeastern States, as well as on the northern and central Plains. Meanwhile, frequent showers dampened the Northwest. In contrast, topsoils began to dry out across the North-Central States, while hot, dry conditions persisted for a sixth consecutive week in the

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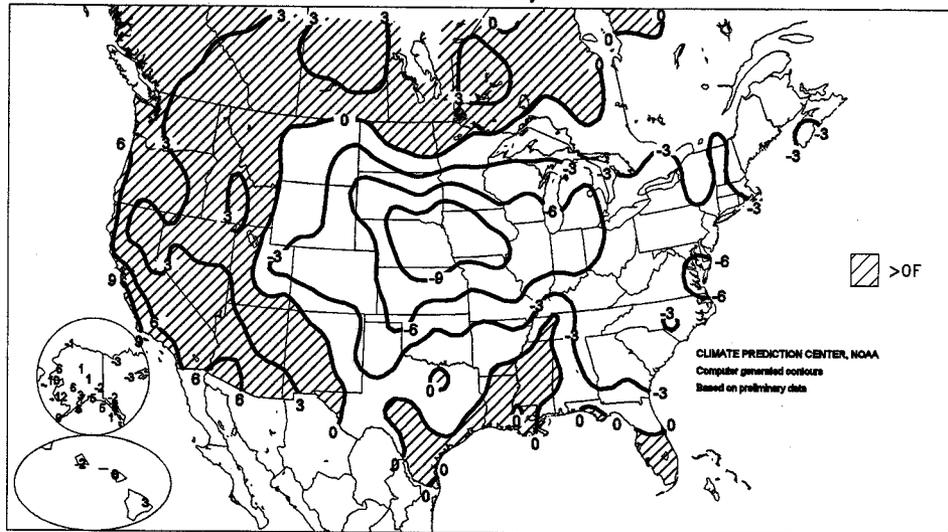
Southwest. Weekly temperatures averaged 2 to 6°F above normal across the Southwest, except along the California coast, where departures ranged from +4 to +12°F. Although frosty weather finally departed the Corn Belt, temperatures averaged below normal (3 to 11°F) for the eighth consecutive week. The cool, damp week wrapped up the coldest May on record for several locations in the Great Lakes and Appalachian regions.

Early in the week, heavy rain spanned the Nation from the Northwest to the East Coast. Daily-record totals on Sunday included 0.74 inches in Spokane, WA and 2.44 inches in Harrisburg, PA. A single-day, May-record 2.48 inches soaked Pittsburgh, PA. Meanwhile in Alaska, record warmth persisted across the south and west, boosting weekly temperatures 3 to 12°F above normal. In Bethel, the mercury topped 70°F on a May-record 6 consecutive days (May 24-29), including a high of 75°F on Sunday. St. Paul Island notched May-record highs of 59°F on Tuesday and Wednesday.

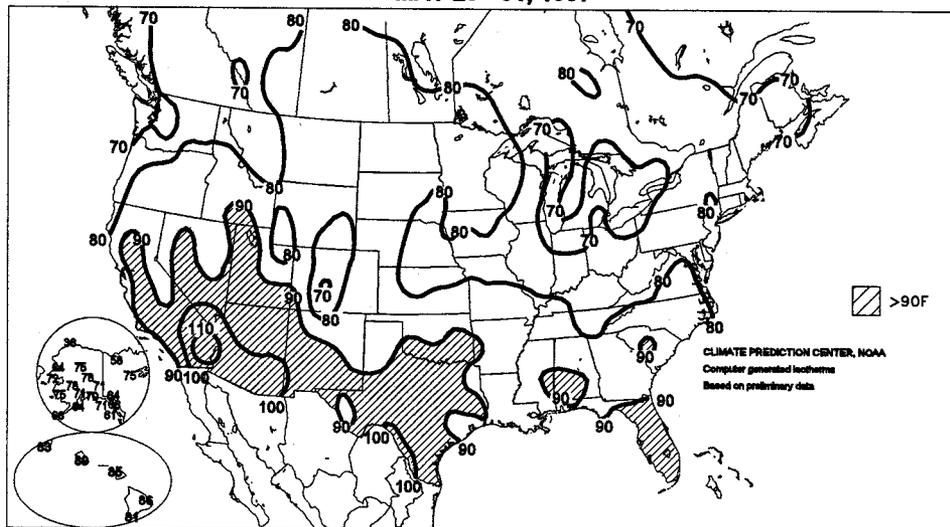
Clouds and showers associated with the first of two storms suppressed maximum temperatures across the Central States. On Tuesday, maxima struggled to 47°F in Norfolk, NE and 54°F in Kansas City, MO. Farther north, a batch of cool air edged eastward. Embarrass, MN recorded 22°F on Tuesday; Alpena, MI registered a daily-record low of 31°F the next day. By Thursday, daily-record minima along the East Coast included 37°F in Atlantic City, NJ and 41°F in Baltimore, MD. Although the East remained cool, warmer weather arrived in the Central States by week's end. Grand Forks, ND, stricken by floodwaters little more than a month ago, logged 81°F on Friday, their first 80-degree reading since September 9, 1996.

Cool, damp weather settled into the Southeast by midweek. On Thursday, highs failed to reach 60°F as far south as Atlanta, GA (59°F). Fittingly, the month wound up as the coldest May on record in several locations, including Lansing, MI (48.3°F), Pittsburgh, PA (54.2°F), Asheville, NC (58.3°F), and Bristol, TN (58.3°F). In contrast, maxima in Lompoc,

Departure of Average Temperature from Normal (°F) MAY 25 - 31, 1997



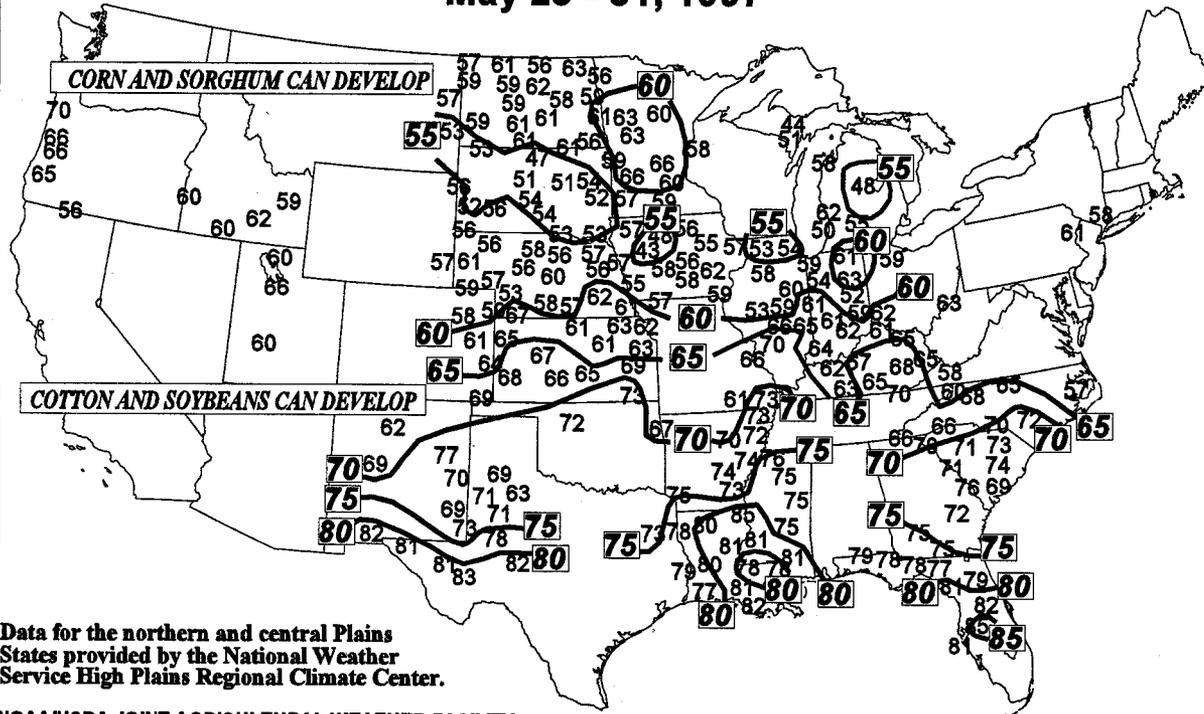
Extreme Maximum Temperature (°F) MAY 25 - 31, 1997



CA reached daily-record levels on 4 of the last 5 days of the month, including a high of 89°F on May 31. Heat intensified across the Southwest at week's end. On Saturday, highs soared to May-record levels ahead of a cold front in locations such as Laughlin, NV (111°F), Salt Lake City, UT (95°F), and Blanding, UT (93°F). Farther north, however, an usually strong late-season storm dumped daily-record rainfall at several sites, including Portland, OR (1.45 inches) and Seattle, WA (1.13 inches).

The F5 tornado struck Jarrell, near Austin, TX, on Tuesday afternoon. A few hours later, non-tornadic winds gusted to 122 mph near San Antonio, TX, at Kelly A.F.B. The next day, the year-to-date rainfall at Victoria, TX reached 37.76 inches, surpassing their annual normal of 37.41 inches. Farther east, numerous locations netted more than 4 inches of rain during the week, including Meridian, MS, Mobile, AL, Evansville, IN, and Memphis, TN. Rainfall topped 6 inches in Lexington, KY. More than 20 percent of the year-to-date precipitation fell during the week in locations such as Akron-Canton, OH, Dodge City, KS, and Great Falls, MT. In Nebraska, North Platte's weekly total of 1.66 inches represented 45 percent of their year-to-date total. In contrast, the L.A. Civic Center, CA passed the 100-day mark (since February 17) without rain.

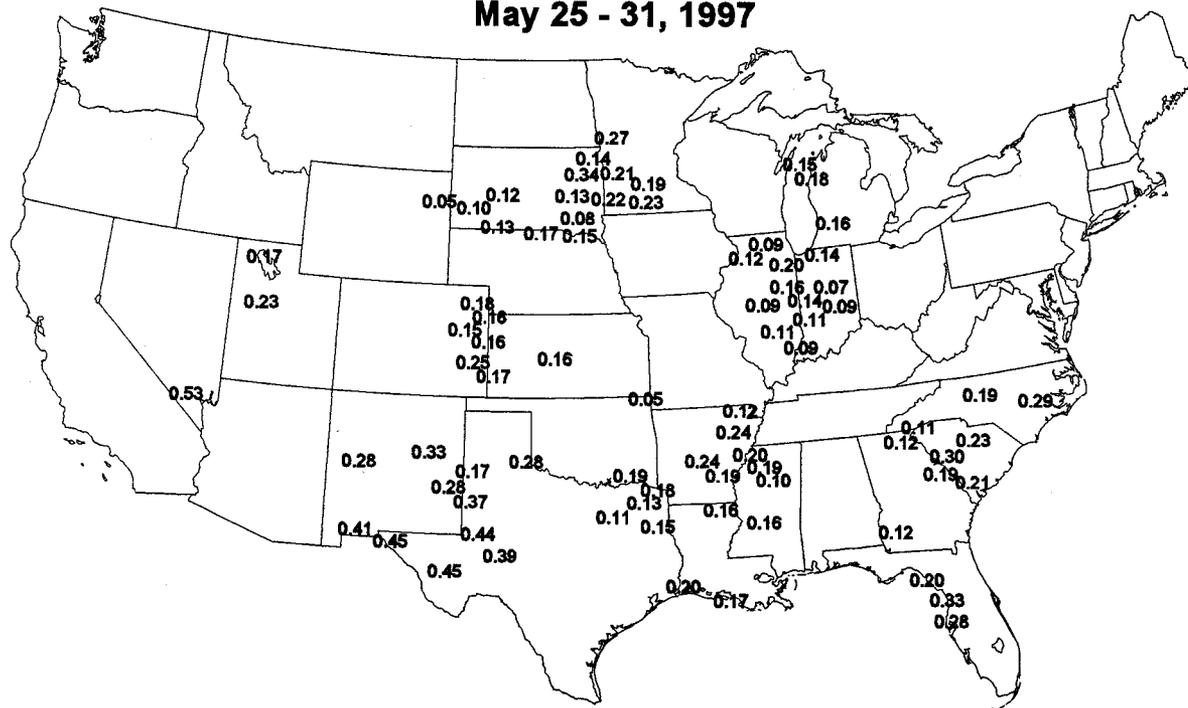
Average Soil Temperature (°F 4-Inch Bare) May 25 - 31, 1997



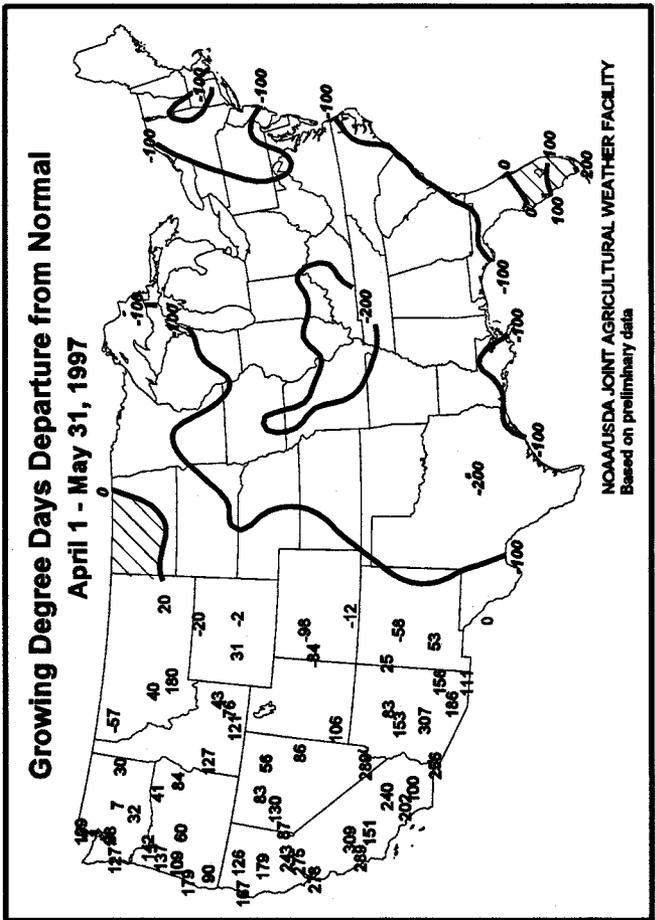
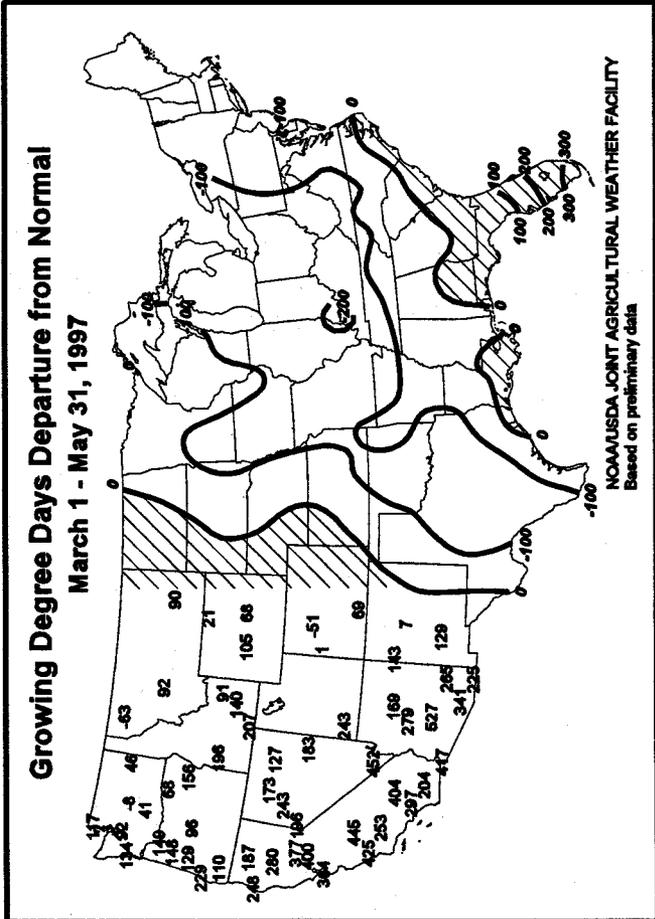
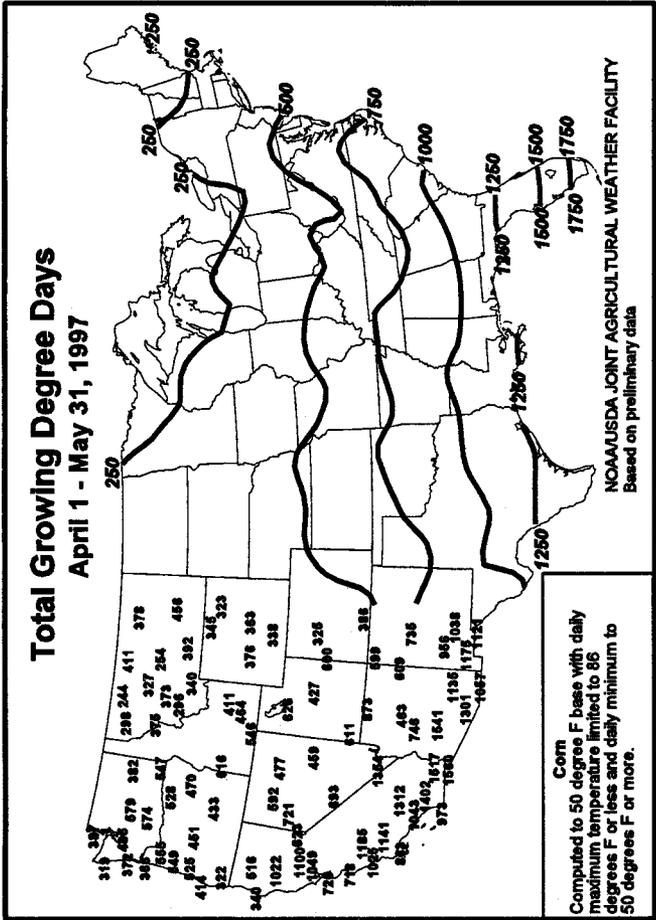
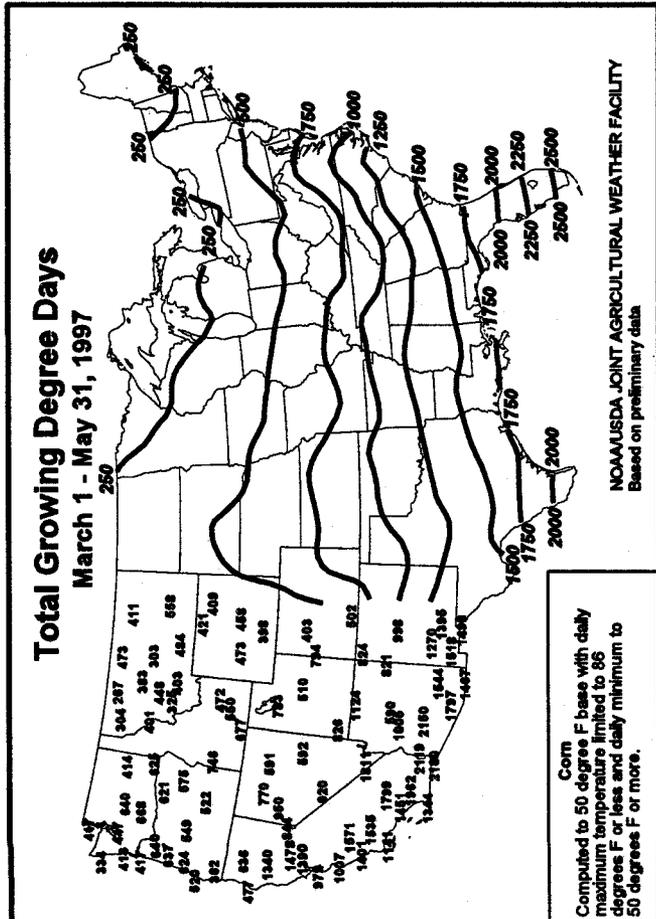
Data for the northern and central Plains States provided by the National Weather Service High Plains Regional Climate Center.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Average Pan Evaporation (Inches/Day) May 25 - 31, 1997



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data



National Weather Data for Selected Cities

Weather Data for the Week Ending May 31, 1997

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	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	
																		.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	77	64	86	60	71	-2	2.04	1.02	0.57	12.72	80	23.84	92	-	-	0	0	6	2
HUNTSVILLE	73	63	83	57	68	-4	3.21	2.11	1.67	15.83	85	26.57	100	94	68	0	0	6	2
MOBILE	82	68	89	65	75	-2	5.31	4.01	2.26	19.74	119	30.29	113	95	82	0	0	6	3
MONTGOMERY	79	65	88	61	72	-2	2.24	1.27	1.47	10.88	74	23.83	98	98	70	0	0	6	1
AK ANCHORAGE	64	43	71	38	54	3	0.82	0.43	0.58	1.38	85	2.02	55	87	46	0	0	2	1
BARROW	31	21	36	9	28	0	0.02	-0.01	0.02	0.19	38	0.27	37	92	84	0	7	1	0
FAIRBANKS	69	41	78	34	55	1	0.00	-0.19	0.00	0.14	11	0.73	33	90	21	0	0	0	0
JUNEAU	63	47	66	40	55	5	-	-	-	-	-	-	-	-	0	0	0	0	0
KODIAK	58	43	64	38	51	5	1.24	-0.02	1.16	15.81	110	32.72	121	91	54	0	0	2	1
NOME	63	41	72	35	52	10	0.00	-0.16	0.00	2.16	116	4.06	124	78	42	0	0	0	0
AZ FLAGSTAFF	75	36	83	27	55	2	0.00	-0.10	0.00	1.98	42	6.21	70	-	-	0	4	0	0
PHOENIX	100	74	107	70	87	4	0.00	-0.03	0.00	0.24	19	1.70	65	43	12	7	0	0	0
PRESCOTT	82	52	93	43	67	5	0.00	-0.09	0.00	3.17	99	6.24	100	-	-	1	0	0	0
TUCSON	97	65	104	61	81	3	0.00	-0.03	0.00	0.92	77	2.53	92	51	10	7	0	0	0
YUMA	102	75	109	68	88	6	0.00	0.00	0.00	0.08	20	0.55	57	45	17	7	0	0	0
AR FORT SMITH	81	62	91	57	71	-1	0.42	-0.70	0.28	9.42	72	16.47	93	92	58	1	0	3	0
LITTLE ROCK	83	65	90	58	74	0	1.99	0.94	0.76	19.82	130	27.03	123	-	-	1	0	4	2
CA BAKERSFIELD	88	62	94	53	75	1	0.00	-0.03	0.00	0.21	12	2.99	80	62	14	4	0	0	0
EUREKA	70	55	76	47	63	9	0.44	0.21	0.25	6.74	70	18.12	89	93	64	0	0	4	0
FRESNO	90	63	96	53	77	5	0.00	-0.03	0.00	0.12	4	3.50	51	70	14	4	0	0	0
LOS ANGELES	78	64	85	60	71	7	0.00	0.00	0.00	0.00	0	4.21	54	86	47	0	0	0	0
REDDING	85	61	94	53	73	3	0.02	-0.21	0.02	5.23	68	14.94	82	-	-	2	0	1	0
SACRAM/MCCLELL	89	64	97	54	76	-	0.00	-	0.00	1.28	-	8.65	-	-	-	4	0	0	0
SAN DIEGO	77	66	86	64	71	6	0.00	-0.03	0.00	0.28	10	3.54	58	82	55	0	0	0	0
SAN FRANCISCO	76	59	82	54	67	8	0.00	0.00	0.00	0.76	16	8.56	70	91	49	0	0	0	0
CO ALAMOSA	69	36	81	27	52	-2	0.03	-0.11	0.01	0.87	56	2.24	107	91	24	0	2	3	0
COLORADO	67	44	79	36	55	-4	0.27	-0.25	0.17	4.88	114	5.31	107	-	-	0	0	5	0
DENVER	88	45	83	38	56	-5	0.67	0.14	0.50	3.06	57	3.72	58	-	-	0	0	5	1
GRAND JUNCTION	75	49	91	37	62	-4	0.83	0.65	0.75	4.17	167	4.88	138	87	32	1	0	2	1
PUEBLO	77	45	85	34	61	-4	0.34	0.06	0.16	3.17	109	3.76	107	91	28	0	0	6	0
CT BRIDGEPORT	66	51	71	46	59	-4	0.76	-0.10	0.76	11.34	99	16.44	93	-	-	0	0	1	1
HARTFORD	72	48	81	38	60	-3	0.16	-0.76	0.16	9.37	81	13.94	78	85	41	0	0	1	0
DC WASHINGTON	74	56	81	49	65	-5	2.69	1.84	2.31	9.90	104	14.90	100	86	56	0	0	3	1
DE WILMINGTON	71	53	76	41	62	-5	0.86	0.00	0.56	6.22	58	9.88	59	-	-	0	0	3	1
FL DAYTONA BEACH	84	68	91	65	76	-1	1.12	0.12	0.60	8.21	96	10.70	74	-	-	1	0	4	1
JACKSONVILLE	83	67	89	64	75	-2	2.35	1.39	1.27	9.91	103	14.09	85	97	64	0	0	5	2
KEY WEST	88	76	89	73	82	0	0.45	-0.52	0.21	5.04	73	9.37	87	83	63	0	0	4	0
MIAMI	88	74	90	69	81	1	3.91	2.15	3.00	17.05	149	20.28	130	83	57	2	0	2	2
ORLANDO	88	69	93	67	78	-1	1.35	0.23	0.59	10.66	125	14.16	102	92	58	2	0	4	1
TAMPA	88	72	90	68	80	1	0.72	-0.21	0.72	13.67	188	15.28	124	87	59	2	0	1	1
VALPARAISO/EGLIN	83	69	90	66	76	1	1.98	1.06	0.60	12.17	82	24.29	105	-	-	1	0	6	1
WEST PALM BEACH	87	73	91	70	80	1	0.67	-1.09	0.37	11.58	92	20.28	113	80	56	1	0	4	0
GA ATHENS	73	60	85	53	67	-6	0.94	-0.04	0.43	8.30	60	19.16	84	98	67	0	0	7	0
ATLANTA	71	60	83	53	66	-6	2.14	1.22	0.83	9.79	68	22.43	94	97	73	0	0	5	3
AUGUSTA	80	63	90	57	71	-3	0.54	-0.36	0.30	7.27	82	15.78	79	91	51	1	0	3	0
COLUMBUS	77	65	88	59	71	-4	1.99	1.06	0.94	12.35	87	22.46	95	-	-	0	0	5	2
MACON	79	64	87	58	72	-3	1.41	0.58	0.71	8.69	73	19.16	91	96	64	0	0	5	2
SAVANNAH	80	63	88	57	72	-4	0.78	-0.28	0.70	7.83	72	13.23	75	95	64	0	0	4	1
HI HILO	83	71	85	69	77	3	1.70	-0.05	0.55	36.34	93	46.50	78	90	69	0	0	7	1
HONOLULU	85	68	89	66	77	-2	0.00	-0.20	0.00	6.63	134	14.40	135	83	52	0	0	0	0
KAHULUI	84	69	85	66	76	0	-	-	-	-	-	-	-	77	58	0	0	0	0
LIHUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ID BOISE	75	52	88	42	64	3	0.80	0.58	0.70	3.54	98	6.41	105	85	42	0	0	2	1
LEWISTON	74	55	84	48	65	3	0.40	0.10	0.29	4.97	142	8.60	151	-	-	0	0	5	0
POCATELLO	72	45	88	38	59	2	0.05	-0.25	0.04	2.57	68	4.54	79	90	37	0	0	2	0
IL CHICAGO/O'HARE	63	50	69	45	56	-6	0.46	-0.30	0.34	5.81	60	11.59	92	89	55	0	0	2	0
MOLINE	65	49	78	45	57	-8	2.25	1.29	1.43	8.32	75	13.81	99	-	-	0	0	4	2
PEORIA	65	52	77	48	59	-7	0.86	0.01	0.68	6.51	63	12.77	96	93	61	0	0	3	1
ROCKFORD	63	49	72	43	56	-7	0.75	-0.13	0.61	9.06	93	13.02	107	-	-	0	0	3	1
SPRINGFIELD	66	55	73	50	60	-7	0.62	-0.18	0.30	5.67	54	9.76	71	-	-	0	0	3	0
IN EVANSVILLE	70	60	77	56	66	-4	4.85	3.83	1.86	18.28	136	25.25	131	93	64	0	0	6	3
FORT WAYNE	64	50	66	45	57	-7	3.05	2.26	2.21	10.48	108	16.23	120	94	70	0	0	5	1
INDIANAPOLIS	65	54	72	49	60	-7	3.40	2.53	1.35	11.54	101	18.94	117	94	70	0	0	6	3
SOUTH BEND	65	52	68	45	58	-5	1.80	0.84	0.89	7.24	71	12.06	84	-	-	0	0	5	1
IA BURLINGTON	64	50	77	47	57	-8	1.88	1.00	0.90	7.58	75	13.83	108	-	-	0	0	4	2
CEDAR RAPIDS	63	48	78	44	56	-9	1.25	0.34	0.93	7.84	83	11.33	101	-	-	0	0	3	1
DES MOINES	63	48	79	44	55	-10	1.11	0.13	0.69	9.00	91	9.91	83	95	58	0	0	3	1
DUBUQUE	62	48	76	42	55	-7	0.29	-0.67	0.24	7.28	67	11.06	82	86	54	0	0	4	0
SIOUX CITY	63	48																	

Weather Data for the Week Ending May 31, 1997

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	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE		
KY WICHITA	75	55	83	47	65	-5	1.65	0.50	1.12	9.07	92	11.59	98	94	53	0	0	3	2		
KY JACKSON	68	57	76	53	63	-4	2.91	1.86	1.42	16.00	120	21.96	105	-	-	0	0	5	2		
LA LEXINGTON	67	57	76	54	62	-6	6.17	5.19	3.03	24.71	194	32.70	174	97	70	0	0	6	2		
LA LOUISVILLE	70	60	79	56	65	-4	2.11	1.13	1.00	25.40	188	34.06	173	97	73	0	0	6	1		
LA PADUCAH	75	61	83	56	68	-2	2.06	1.00	1.86	19.83	134	27.77	126	-	-	0	0	5	1		
LA BATON ROUGE	94	69	90	65	77	-1	2.47	1.43	1.28	20.64	137	34.28	134	-	-	1	1	4	2		
LA LAKE CHARLES	86	70	89	65	78	1	1.85	0.52	1.74	19.73	161	33.00	162	95	61	0	0	3	1		
LA NEW ORLEANS	84	72	89	69	78	1	1.09	-0.02	0.45	11.37	81	23.93	96	93	66	0	0	6	0		
LA SHREVEPORT	83	65	89	61	74	-1	0.53	-0.74	0.52	23.90	174	36.46	165	97	66	0	0	2	1		
ME CARIBOU	64	43	74	36	53	-2	0.74	0.05	0.53	8.30	104	14.12	115	86	43	0	0	4	1		
ME PORTLAND	67	46	73	39	56	-1	0.12	-0.67	0.12	11.22	99	16.26	89	92	51	0	0	1	0		
MD BALTIMORE	73	50	78	41	61	-6	2.10	1.25	1.65	11.08	109	16.15	99	-	-	0	0	3	1		
MA BOSTON	68	51	76	46	60	-3	0.28	-0.44	0.27	10.27	98	13.78	78	90	54	0	0	2	0		
MA WORCESTER	68	48	76	41	58	-2	0.15	-0.81	0.15	12.20	100	17.26	89	-	-	0	0	1	0		
MI ALPENA	61	39	65	31	50	-6	0.34	-0.32	0.33	6.75	95	12.89	129	95	48	0	1	2	0		
MI GRAND RAPIDS	65	46	70	41	55	-6	0.83	-0.10	0.61	6.18	68	12.91	104	86	54	0	0	3	1		
MI HOUGHTON LAKE	64	42	71	34	53	-5	0.28	-0.35	0.13	6.26	92	10.53	111	86	44	0	0	4	0		
MI LANSING	64	42	69	36	53	-9	0.57	-0.12	0.40	7.02	88	12.08	113	-	-	0	0	3	0		
MI MARQUETTE	65	40	81	34	52	-2	0.10	-0.64	0.08	9.00	107	16.60	134	87	34	0	0	2	0		
MI MUSKEGON	66	46	72	40	56	-4	0.23	-0.32	0.23	5.07	63	10.35	87	79	50	0	0	1	0		
MN DULUTH	63	42	79	37	52	-2	0.10	-0.66	0.09	3.82	53	5.31	58	79	32	0	0	2	0		
MN INTL FALLS	72	38	84	34	55	-1	0.00	-0.69	0.00	3.93	77	4.84	73	83	26	0	0	0	0		
MN MINNEAPOLIS	68	48	83	45	58	-5	0.22	-0.63	0.22	3.93	51	5.74	60	74	36	0	0	1	0		
MN ROCHESTER	63	46	79	39	55	-6	0.53	-0.27	0.42	7.07	89	9.51	101	85	44	0	0	2	0		
MN ST. CLOUD	69	44	83	39	56	-4	0.33	-0.51	0.31	3.09	45	5.06	61	80	33	0	0	2	0		
MS JACKSON	83	67	89	60	75	1	2.80	1.52	1.68	16.83	100	28.02	103	97	62	0	0	4	2		
MS MERIDIAN	83	67	90	64	75	1	4.70	3.80	2.22	19.96	120	30.54	112	98	70	1	0	5	3		
MS TUPELO	79	64	86	61	72	-1	3.18	1.99	1.44	19.76	116	30.47	114	-	-	0	0	6	2		
MO COLUMBIA	66	53	80	49	60	-7	3.51	2.44	1.06	10.40	90	17.52	118	100	77	0	0	7	4		
MO KANSAS CITY	66	52	76	44	59	-9	1.70	0.51	1.25	10.15	95	13.45	105	97	71	0	0	5	1		
MO SAINT LOUIS	69	57	80	52	63	-6	1.98	1.07	0.69	8.63	78	15.41	103	93	62	0	0	5	3		
MO SPRINGFIELD	74	54	86	45	64	-4	2.55	1.38	2.25	11.52	91	16.64	102	98	63	0	0	4	1		
MT BILLINGS	69	46	90	40	57	-1	0.48	-0.10	0.28	3.10	57	4.06	58	92	47	1	0	3	0		
MT BUTTE	65	39	75	33	52	1	0.89	0.41	0.30	5.41	162	7.54	168	-	-	0	0	5	0		
MT GLASGOW	68	46	86	38	57	-2	0.29	-0.18	0.29	3.10	108	3.45	98	87	38	0	0	1	0		
MT GREAT FALLS	67	46	78	38	57	0	1.26	0.65	1.10	4.54	90	4.98	76	-	-	0	0	3	1		
MT KALISPELL	64	45	72	40	55	1	1.33	0.85	0.57	5.39	136	8.43	128	97	50	0	0	6	1		
MT MILES CITY	68	48	80	40	58	-3	1.06	0.47	0.74	3.28	77	3.58	68	-	-	1	0	3	1		
MT MISSOULA	68	48	76	42	58	3	0.64	0.20	0.42	5.01	135	7.45	129	94	46	0	0	5	0		
NE GRAND ISLAND	62	47	77	41	55	-11	1.82	0.69	0.66	5.16	63	6.22	66	98	60	0	0	3	2		
NE LINCOLN	64	49	79	43	56	-10	0.77	-0.17	0.34	6.35	72	7.28	73	-	-	0	0	3	0		
NE NORFOLK	62	47	79	44	54	-11	1.52	0.58	0.59	6.48	83	7.46	82	98	59	0	0	4	2		
NE NORTH PLATTE	64	44	81	35	54	-8	1.66	0.83	1.00	2.03	31	2.70	36	97	64	0	0	3	1		
NE OMAHA	66	50	80	46	58	-8	0.50	-0.56	0.18	5.09	55	6.25	58	94	58	0	0	4	0		
NE SCOTTSBLUFF	66	47	83	43	58	-4	1.23	0.57	0.52	9.46	174	10.07	158	-	-	0	0	3	1		
NE VALENTINE	61	42	84	32	51	-10	2.02	1.28	1.34	6.13	105	6.64	102	96	68	0	1	5	1		
NV ELY	74	40	88	26	57	3	0.00	-0.25	0.00	1.78	58	3.67	82	80	19	0	1	0	0		
NV LAS VEGAS	96	70	106	58	83	5	0.00	-0.06	0.00	0.04	4	0.24	13	24	12	5	0	0	0		
NV RENO	77	47	86	39	62	2	0.02	-0.15	0.02	0.37	21	4.39	113	79	25	0	0	1	0		
NV WINNEMUCCA	78	42	91	28	60	1	0.00	-0.19	0.00	1.50	61	3.16	82	83	25	1	2	0	0		
NH CONCORD	72	44	81	33	58	-1	0.17	-0.55	0.17	8.75	100	14.18	103	-	-	0	0	1	0		
NJ NEWARK	69	54	74	48	61	-5	0.99	0.11	0.92	11.24	95	16.88	92	-	-	0	0	2	1		
NM ALBUQUERQUE	82	55	90	48	68	0	0.00	-0.11	0.00	2.18	140	2.85	116	53	13	2	0	0	0		
NY ALBANY	70	47	78	37	58	-3	0.18	-0.62	0.15	8.37	90	10.74	77	90	38	0	0	2	0		
NY BINGHAMTON	66	45	76	38	55	-4	0.66	-0.12	0.51	8.65	93	11.53	82	83	44	0	0	3	1		
NY BUFFALO	66	47	74	37	56	-4	0.67	-0.08	0.49	9.78	112	16.98	124	83	47	0	0	4	0		
NY ROCHESTER	65	45	71	36	55	-6	0.55	-0.08	0.45	7.50	98	12.03	102	-	-	0	0	2	0		
NY SYRACUSE	68	45	75	37	57	-4	0.54	-0.23	0.33	7.74	83	11.17	81	87	42	0	0	3	0		
NC ASHEVILLE	67	55	81	49	61	-5	1.59	0.40	0.81	13.06	90	22.70	99	-	-	0	0	7	1		
NC CHARLOTTE	76	60	89	54	68	-2	0.28	-0.61	0.25	9.15	84	16.52	89	84	52	0	0	2	0		
NC GREENSBORO	73	56	80	47	65	-4	0.40	-0.54	0.16	13.08	124	18.87	111	90	54	0	0	5	0		
NC HATTERAS	73	61	77	55	67	-3	1.20	0.28	1.19	12.34	105	19.83	93	89	66	0	0	2	1		
NC RALEIGH	78	56	85	45	67	-3	0.61	-0.33	0.45	10.43	101	16.37	94	89	50	0	0	3	0		
NC WILMINGTON	78	57	86	50	68	-4	0.23	-0.76	0.17	7.24	63	14.09	68	-	-	0	0	2	0		
ND BISMARCK	72	45	87	40	59	-1	0.00	-0.54	0.00	4.53	98	5.95	108	82	30	0	0	0	0		
ND DICKINSON	67	45	89	39	56	-2	0.06	-0.59	0.06	4.77	93	5.75	98	-	-	0	0	1	0		
ND FARGO	74	48	84	43	61	1	0.00	-0.60	0.00	7.43	139	8.06	124	69	25	0	0	0	0		
ND GRAND FORKS	76	48	86	42	62	3	0.00	-0.64	0.00	4.44	102	5.33	96	-	-	0	0	0	0		
ND JAMESTOWN	74	48	85	44	61	1	0.00	-0.50	0.00	3.50	82	4.56	85	-	-	0	0	0	0		
ND WILLISTON	71	41	88	31	56	-3	0.01	-0.49	0.01	1.41	38	1.84	37	80	31	0	1	1	0		
OH AKRON-CANTON	65	50	70	44	57	-5	3.48	2.86	1.96	10.85	104	13.84	93	83	56	0	0	4	2		
OH CINCINNATI	67	55	73	51	61	-5	3.71	2.75	1.81	14.56	119	19.09	109	96	67	0	0	6	2		
OH CLEVELAND	64	50	71	42	57	-5	2.09	1.27	0.98	9.67	101	14.36	104	94	62	0	0	4	2		
OH COLUMBUS	68	55	72	50	62	-3	3.48	2.56	2.13	11.40	110	15.02	101	91	60	0	0	4	2		
OH DAYTON	65	52	70	46	59	-7	2.82	1.94	1.81	11.33	105	15.42	103	91	69	0	0	6	1		
OH MANSFIELD	64	49	69	41	56	-6	3.74	2.76	1.77	13.43	119	17.36	114	-	-	0	0	4	2		

Based on 1961-90 normals

Weather Data for the Week Ending May 31, 1997

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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE
																		TEMP, °F	PRECIP.	
OK TOLEDO	63	49	71	42	56	-7	3.32	2.62	1.34	10.22	120	16.83	140	89	62	0	0	5	3	
OK YOUNGSTOWN	64	48	70	42	56	-5	1.35	0.51	0.81	9.23	95	10.61	76	86	59	0	0	4	1	
OK OKLAHOMA CITY	79	60	88	54	69	-2	1.50	0.26	1.18	8.70	81	11.31	84	94	57	0	0	3	1	
OR TULSA	80	59	90	54	68	-3	0.46	-0.83	0.31	7.38	58	11.05	68	91	56	1	0	3	0	
OR ASTORIA	65	55	67	45	60	6	2.22	1.61	0.81	25.65	175	41.79	129	95	81	0	0	5	2	
OR BURNS	69	46	83	36	57	4	0.53	0.31	0.31	2.73	103	5.55	126	92	42	0	0	4	0	
OR EUGENE	72	54	79	41	63	5	1.78	1.35	1.18	12.97	120	20.97	86	98	60	0	0	6	1	
OR MEDFORD	78	53	88	41	65	4	0.26	0.06	0.17	4.04	101	8.57	99	96	37	0	0	4	0	
OR PENDLETON	73	53	82	48	63	2	0.32	0.12	0.12	2.68	83	4.10	70	95	50	0	0	4	0	
OR PORTLAND	71	56	76	48	63	4	2.20	1.77	1.46	14.44	180	23.22	135	97	80	0	0	4	1	
PA SALEM	72	54	77	41	63	6	1.29	0.90	0.64	12.54	148	23.69	125	-	-	0	0	6	2	
PA ALLENTOWN	70	49	78	38	60	-5	1.30	0.36	1.24	8.59	78	12.56	73	83	46	0	0	4	1	
PA ERIE	63	50	69	39	56	-5	0.84	0.01	0.61	12.63	130	17.93	126	84	65	0	0	4	1	
PA MIDDLETOWN	72	53	78	46	62	-4	2.62	1.64	2.44	8.02	74	11.49	69	-	-	0	0	2	1	
PA PHILADELPHIA	72	53	75	46	62	-5	1.19	0.34	1.09	10.11	93	15.58	92	92	52	0	0	3	1	
PA PITTSBURGH	67	51	70	45	59	-4	2.53	1.70	2.08	11.23	111	14.30	96	90	55	0	0	3	1	
PA SCRANTON	70	47	79	38	59	-4	0.42	-0.46	0.41	6.57	72	9.17	68	92	46	0	0	2	0	
PA WILLIAMSPORT	68	47	76	38	58	-6	0.86	-0.07	0.58	6.72	65	9.33	60	90	51	0	0	4	1	
RI PROVIDENCE	69	48	76	42	59	-3	0.72	-0.09	0.70	10.62	89	16.72	86	87	52	0	0	2	1	
SC BEAUFORT	79	64	88	54	71	-4	0.72	-0.35	0.49	11.12	102	15.52	87	-	-	0	0	4	0	
SC CHARLESTON	78	63	88	57	71	-5	0.12	-1.00	0.06	10.44	95	15.33	86	93	61	0	0	2	0	
SC COLUMBIA	80	63	91	58	72	-2	0.39	-0.53	0.20	6.89	58	16.02	79	85	54	1	0	4	0	
SC GREENVILLE	73	60	87	53	67	-4	1.99	0.93	0.91	10.18	74	21.05	95	95	52	0	0	7	1	
SD ABERDEEN	68	46	81	42	57	-4	0.00	-0.71	0.00	3.34	58	5.56	79	85	33	0	0	0	0	
SD HURON	64	47	81	44	56	-6	0.76	0.05	0.49	4.65	70	5.99	78	91	53	0	0	4	0	
SD RAPID CITY	59	44	82	40	51	-8	2.69	2.02	1.94	9.94	177	10.81	167	93	70	0	0	4	2	
SD SIOUX FALLS	59	45	77	41	52	-10	1.20	0.47	0.73	7.14	99	8.91	107	97	67	0	0	4	1	
TN BRISTOL	71	58	79	52	65	-2	3.69	2.82	2.87	14.59	134	22.66	129	-	-	0	0	6	1	
TN CHATTANOOGA	70	61	80	54	65	-5	3.32	2.38	1.92	15.20	103	26.58	109	97	72	0	0	6	2	
TN KNOXVILLE	73	61	81	54	67	-2	2.43	1.49	0.98	16.79	130	26.67	127	96	73	0	0	7	2	
TN MEMPHIS	80	65	85	60	72	-2	5.78	4.76	2.70	28.24	178	40.23	168	-	-	0	0	4	3	
TN NASHVILLE	73	62	78	56	68	-3	3.19	2.15	1.76	17.01	121	24.09	112	98	78	0	0	6	2	
TX ABILENE	86	62	95	58	74	-2	0.14	-0.58	0.14	5.19	83	8.78	104	90	39	2	0	1	0	
TX AMARILLO	76	53	82	47	64	-5	0.88	0.18	0.52	8.53	193	9.63	174	95	46	0	0	3	1	
TX AUSTIN	86	68	89	63	77	-1	1.69	0.57	1.47	14.29	155	19.25	147	92	57	0	0	4	1	
TX BEAUMONT	86	70	90	66	78	0	0.30	-1.06	0.30	10.75	86	21.37	104	-	-	1	0	1	0	
TX BROWNSVILLE	89	73	91	69	81	0	0.07	-0.65	0.07	12.79	254	13.82	181	96	83	3	0	1	0	
TX CORPUS CHRISTI	90	72	90	69	81	1	0.05	-0.78	0.05	14.28	238	15.66	162	97	62	4	0	1	0	
TX DEL RIO	90	69	98	65	80	0	2.29	1.82	1.15	12.13	256	14.37	230	90	51	3	0	2	0	
TX EL PASO	92	65	98	59	79	3	0.00	-0.08	0.00	1.60	205	2.31	143	50	18	4	0	0	0	
TX FORT WORTH	84	66	93	60	75	1	0.40	-0.74	0.40	12.89	107	20.57	127	93	65	1	0	1	0	
TX GALVESTON	84	75	85	70	80	2	0.66	-0.25	0.62	20.35	247	27.32	199	-	-	0	0	2	1	
TX HOUSTON	86	67	92	61	77	0	0.75	-0.52	0.51	21.85	192	30.51	173	96	60	2	0	4	1	
TX LUBBOCK	81	57	87	54	69	-4	0.14	-0.47	0.09	8.56	205	10.13	194	87	35	0	0	3	0	
TX MIDLAND	89	63	95	59	76	0	0.04	-0.47	0.03	3.03	88	4.92	110	84	31	4	0	2	0	
TX SAN ANGELO	89	65	96	58	77	0	0.00	-0.70	0.00	7.09	127	11.98	161	87	36	2	0	0	0	
TX SAN ANTONIO	88	69	91	65	79	1	0.18	-0.85	0.15	11.11	135	13.83	118	90	55	2	0	2	0	
TX VICTORIA	88	70	90	66	79	0	0.88	-0.26	0.76	32.42	383	37.65	299	95	56	2	0	2	1	
TX WACO	87	66	90	60	77	0	0.25	-0.77	0.20	12.77	126	23.08	167	96	56	1	0	5	0	
TX WICHITA FALLS	85	63	94	57	74	-1	1.18	0.24	1.14	8.39	91	11.60	98	94	46	2	0	3	1	
UT SALT LAKE CITY	76	52	95	42	64	1	0.63	0.29	0.48	5.05	87	8.95	109	77	32	1	0	2	0	
VT BURLINGTON	68	46	77	35	57	-3	0.13	-0.81	0.08	6.37	79	9.24	80	87	39	0	0	3	0	
VA LYNCHBURG	71	53	80	43	62	-5	0.27	-0.61	0.18	9.09	87	15.76	96	96	50	0	0	4	0	
VA NORFOLK	71	57	80	51	64	-6	0.45	-0.43	0.43	6.97	66	11.85	67	89	64	0	0	2	0	
VA RICHMOND	74	53	80	42	63	-6	0.51	-0.37	0.26	8.26	79	13.90	83	91	27	0	0	2	0	
VA ROANOKE	70	56	82	49	63	-4	0.10	-0.77	0.05	6.67	62	12.22	75	89	61	0	0	4	0	
VA WASH/DULLES	72	50	77	40	61	-5	2.32	1.38	1.83	9.87	96	13.54	86	89	34	0	0	4	1	
WA HANFORD	76	58	85	51	67	-	0.29	0.16	0.22	1.36	98	3.12	111	78	38	0	0	2	0	
WA OLYMPIA	68	53	74	43	61	5	1.99	1.58	0.96	19.76	191	33.74	140	-	-	0	0	5	1	
WA QUILLAYUTE	63	50	66	46	56	3	4.21	3.19	2.01	38.37	157	65.10	127	97	74	0	0	5	3	
WA SEATTLE-TACOMA	65	55	69	50	60	3	0.57	0.21	0.28	14.08	186	23.10	136	97	64	0	0	5	0	
WA SPOKANE	67	52	75	47	60	3	1.64	1.31	0.76	7.24	177	10.31	136	98	52	0	0	7	1	
WA YAKIMA	73	53	78	50	63	3	0.15	0.04	0.09	1.11	69	2.45	69	90	36	0	0	5	0	
WV BECKLEY	65	54	74	48	59	-3	1.69	0.78	0.77	12.73	118	17.26	104	94	67	0	0	4	1	
WV CHARLESTON	72	56	80	48	64	-3	1.17	0.29	0.50	14.70	135	17.97	107	95	52	0	0	5	1	
WV ELKINS	69	49	75	43	59	-1	2.05	1.09	1.44	14.79	126	18.92	108	-	-	0	0	4	1	
WV HUNTINGTON	70	57	76	52	64	-2	1.18	0.25	0.60	13.06	115	16.64	96	91	57	0	0	6	1	
WI EAU CLAIRE	69	46	84	41	58	-4	0.45	-0.47	0.41	4.96	59	6.78	67	-	-	0	0	2	0	
WI GREEN BAY	64	43	72	36	53	-6	0.68	-0.01	0.66	6.15	85	8.75	93	91	52	0	0	2	1	
WI MADISON	64	46	73	36	55	-8	0.44	-0.32	0.33	5.84	68	9.26	86	87	48	0	0	2	0	
WI MILWAUKEE	58	46	66	41	53	-6	0.74	0.11	0.40	4.67	52	8.65	72	-	-	0	0	2	0	
WY CASPER	65	41	81	37	53	-3	1.23	0.77	0.96	3.66	79	4.78	82	96	48	0	0	4	1	
WY CHEYENNE	61	43	77	39	52	-3	1.07	0.35	0.35	4.48	94	5.19	93	93	52	0	0	6	0	
WY LANDER	67	42	84	37	55	-2	1.06	0.58	0.52	3.97	71	4.56	69	91	44	0	0	7	1	
WY SHERIDAN	63	42	83	36	53	-4	1.06	0.49	0.41	4.59	90	5.50	85	94	65	0	0	4	0	

Based on 1961-90 normals

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

National Agricultural Summary

May 26 - June 1, 1997

HIGHLIGHTS

Below-normal temperatures for the eighth straight week east of the Rocky Mountains continued to slow development of newly planted crops. Heavy precipitation caused ponding and kept farmers out of fields in the lower Mississippi and Ohio Valleys. Favorable rains fell in the central and northern High Plains, alleviating

drought-like conditions. Beneficial showers also fell along the southern and middle Atlantic Coast and in the Northwest, where crop development was beginning to slow due to lack of moisture. Soils turned dry in the Southwest as the region recorded the sixth consecutive week of hot weather.

Winter wheat: The condition of the winter wheat crop improved somewhat over the week as rains moved through the major producing States. Wheat fields in Colorado, Nebraska, Oregon, and Washington showed the most improvement. The rain enabled wheat in Colorado and Nebraska to head rapidly as the crop was waiting for moisture before continuing to develop. Nationwide, 78 percent (%) of the wheat crop was headed, ahead of the 74% headed on this date in 1996 and just behind the 5-year average of 79%. Condition of the crop improved in Kansas, where 25% of the crop was turning color, ahead of 18% in 1996 and the average of 23%. Harvest activity spread northward in Texas and began in sandy areas of Oklahoma. Rain halted most harvest operations in the Southeast.

Corn: Corn planting neared an end as 98% of the crop in the 17 major corn-producing States was in the ground. This was well ahead of the 86% planted last year and the average of 89%. Despite early planting, crop emergence and development remained slow due to cool, wet weather. Farmers continued to use rotary hoes to aid emergence. In Michigan, Ohio, and Wisconsin, a few farmers replanted fields because of rotted seed. Overall, the corn crop rated mostly good.

Soybeans: Planting of soybeans advanced to 77% complete, well ahead of the 44% of a year ago and the 59% average. Planting in Michigan progressed rapidly as farmers planted 32% of their State's acreage by week's end. Rain in many soybean-producing States interrupted planting operations. The last time soybean planting was this advanced in Illinois was in 1988. As with corn, the cool weather hampered emergence and growth of newly planted soybean fields.

Cotton: Cotton growers made good progress as planting reached 87% complete nationwide. Texas growers made good progress later in the week after violent storms halted planting early. Outside of Texas and Oklahoma, planting operations were winding down. Six percent of the Nation's cotton crop was squaring. California growers actively cultivated, fertilized, irrigated, weeded,

and sprayed fields. Cotton development in Arizona was ahead of both last year and the average. For the Nation, condition of the cotton crop rated mostly good.

Rice: Rice fields progressed well as 92% of the crop was emerged by week's end. This compares with 88% emerged in 1996 and the average of 83%. Emergence of rice fields in California was well ahead of average as farmers treated fields for weeds. Growers in Arkansas fertilized and sprayed fields with herbicides. In Louisiana, water weevil populations continued to increase and some growers reported problems with sheath blight. Overall, condition of the rice crop improved slightly and rated mostly good.

Other Small Grains: Dry soils in the upper Midwest allowed planting of spring small grains to move ahead of the average pace. For the Nation, spring wheat planting reached 95% complete as Minnesota growers planted one-fourth of their State's acreage. Spring wheat emergence lagged behind average due to the late planting start caused by flooding and saturated soils in the Red River Valley. Condition of the crop declined slightly as soils dried in Idaho, North Dakota, and South Dakota. Barley planting was winding down, with 96% of the crop in the ground. Like spring wheat, barley emergence lagged behind normal due to the late planting start. Condition of the barley crop increased slightly as rain fell in Montana and Washington and soils dried in Minnesota. Oat planting neared an end and emergence was 85% complete. Oat condition was unchanged from the previous week.

Other Crops: Peanut planting advanced to 80% complete, behind both 86% planted at this time last year and the average of 81%. Peanut growers in North Carolina made good progress and neared their normal planting pace. Beneficial rains helped to improve the peanut crop condition in drier areas of the Southeast. Fifty-nine percent of the sorghum crop was planted, just ahead of 56% in 1996 and the average of 55%. Growers in Colorado and Illinois made rapid progress planting 24% and 29%, respectively, of their States' acreage.

Crop Progress and Condition

Week Ending June 1, 1997

Winter Wheat Percent Headed

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	83	42	73	67
GA	100	100	100	100
ID	22	6	5	13
IL	87	74	78	89
IN	62	48	59	74
KS	98	90	97	98
MI	0	0	1	7
MO	90	71	88	90
MT	0	0	2	4
NE	60	14	32	57
NC	100	100	100	99
OH	22	2	22	50
OK	100	98	100	100
OR	59	38	57	69
SD	0	0	2	23
TX	95	92	99	97
WA	59	25	27	51
ALL	78	66	74	79

These 19 States produced 92% of the 1996 winter wheat crop.

Soybeans Percent Planted

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AL	54	44	58	56
AR	52	44	56	44
GA	51	39	44	44
IL	92	89	30	56
IN	87	81	24	62
IA	92	87	58	69
KS	67	64	51	41
KY	30	30	18	33
LA	68	63	85	69
MI	62	30	34	67
MN	91	82	62	76
MS	80	76	92	63
MO	59	*52	30	42
NE	84	75	51	65
NC	42	27	40	46
OH	74	69	23	69
SC	36	24	31	34
SD	62	52	39	56
TN	31	24	34	34
ALL	77	70	44	59

These 19 States produced 94% of the 1996 soybean crop.

Corn Percent Planted

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
CO	100	99	99	90
GA	100	99	100	100
IL	100	99	83	85
IN	98	97	56	83
IA	100	99	96	93
KS	100	99	100	94
KY	90	89	85	91
MI	90	78	68	88
MN	99	97	91	93
MO	98	96	91	81
NE	99	98	97	95
NC	100	100	100	100
OH	96	95	61	88
PA	88	75	72	80
SD	88	82	77	79
TX	99	98	99	100
WI	98	90	81	88
ALL	98	95	86	89

These 17 States produced 90% of the 1996 corn crop.

Spring Wheat Percent Planted

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
ID	100	98	97	98
MN	91	66	71	92
MT	96	91	94	97
ND	94	79	78	89
SD	98	96	94	97
ALL	95	83	83	92

These 5 States produced 96% of the 1996 spring wheat crop.

Peanuts Percent Planted

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AL	100	97	96	95
FL	92	87	93	NA
GA	95	91	97	97
NC	90	72	94	96
OK	64	57	69	58
SC	98	97	98	93
TX	32	26	55	36
VA	98	90	96	98
ALL	80	74	86	81

These 8 States produced 99% of the 1996 peanut crop.

Barley Percent Planted

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
ID	99	93	94	97
MN	96	66	66	89
MT	98	92	93	95
ND	93	77	83	90
SD	96	94	94	97
WA	100	99	95	99
ALL	96	83	86	93

These 6 States produced 82% of the 1996 barley crop.

Spring Wheat Percent Emerged

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
ID	92	82	90	92
MN	54	34	45	77
MT	84	60	74	83
ND	64	38	44	70
SD	83	65	85	91
ALL	70	47	57	77

These 5 States produced 96% of the 1996 spring wheat crop.

Barley Percent Emerged

	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
ID	87	71	85	87
MN	49	28	42	74
MT	83	55	71	78
ND	63	33	46	71
SD	81	61	79	87
WA	98	91	84	95
ALL	72	47	60	77

These 6 States produced 82% of the 1996 barley crop.

Crop Progress and Condition

Week Ending June 1, 1997

Sorghum Percent Planted				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AR	98	95	97	92
CO	35	11	47	28
IL	74	45	17	36
KS	45	40	47	35
LA	92	81	99	93
MS	97	96	96	88
MO	70	60	54	57
NE	77	68	42	55
NM	44	27	23	30
OK	15	9	44	43
SD	30	17	17	36
TX	72	67	74	80
ALL	59	52	56	55

These 12 States produced 99% of the 1996 sorghum crop.

Oats Percent Planted				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	99
MI	99	90	95	99
MN	98	89	96	98
NE	100	100	100	100
ND	96	83	76	87
OH	100	100	93	99
PA	100	98	94	97
SD	96	93	94	97
WI	100	100	95	99
ALL	98	93	92	96

These 9 States produced 56% of the 1996 oat crop.

Oats Percent Emerged				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	95	99	96
MI	84	75	71	85
MN	88	71	88	90
NE	100	99	100	NA
ND	60	35	39	68
OH	95	93	76	94
PA	90	84	80	NA
SD	81	55	81	89
WI	98	93	80	NA
ALL	85	71	76	84

These 9 States produced 56% of the 1996 oat crop.

Cotton Percent Planted				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AL	97	92	96	94
AZ	100	100	99	100
AR	100	98	99	98
CA	100	100	100	100
GA	91	85	93	92
LA	99	98	100	100
MS	100	99	100	98
MO	100	98	98	97
NM	100	95	90	94
NC	95	83	99	97
OK	41	27	55	60
SC	97	93	98	97
TN	100	98	98	98
TX	73	54	55	67
ALL	87	77	80	84

These 14 States produced 99% of the 1996 cotton crop.

Cotton Percent Squaring				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AL	1	0	NA	NA
AZ	46	32	NA	NA
AR	0	0	NA	NA
CA	15	1	NA	NA
GA	5	1	NA	NA
LA	0	0	NA	NA
MS	3	0	NA	NA
MO	0	0	NA	NA
NM	0	0	NA	NA
NC	0	0	NA	NA
OK	0	0	NA	NA
SC	9	7	NA	NA
TN	0	0	NA	NA
TX	7	4	NA	NA
ALL	6	3	NA	NA

These 14 States produced 99% of the 1996 cotton crop.

Rice Percent Emerged				
	Jun 1 1997	Prev Week	Prev Year	5-Yr Avg
AR	90	77	93	87
CA	95	65	56	52
LA	94	91	99	96
MS	96	89	100	88
TX	87	81	91	89
ALL	92	79	88	83

These 5 States produced 96% of the 1996 rice crop.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	20	46	28	4
CA	0	0	20	70	10
CO	4	10	32	42	12
GA	1	10	34	51	4
ID	0	2	24	54	20
IL	1	3	24	66	6
IN	0	4	26	57	13
KS	2	9	29	49	11
MI	2	11	40	37	10
MO	0	6	25	59	10
MT	3	11	29	48	9
NE	1	12	45	39	3
NC	0	4	31	59	6
OH	3	10	31	44	12
OK	12	14	38	36	0
OR	0	3	12	58	27
SD	15	19	34	28	4
TX	6	16	35	32	11
WA	0	0	14	62	24
ALL	4	10	31	46	9
Prev Wk	4	12	33	43	8
Prev Yr	17	23	29	25	6

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	1	5	31	53	10
MI	0	3	48	43	6
MN	1	4	48	42	5
NE	1	5	22	61	11
ND	0	4	37	56	3
OH	0	3	25	53	19
PA	0	4	33	59	4
SD	0	2	25	65	8
WI	0	4	27	54	15
ALL	0	4	32	56	8
Prev Wk	1	4	31	57	7
Prev Yr	0	3	26	63	8

Crop Progress and Condition

Week Ending June 1, 1997

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	0	3	19	67	11
GA	0	2	24	59	15
IL	0	2	30	58	10
IN	1	6	39	48	6
IA	0	6	37	51	6
KS	0	1	18	71	10
KY	1	6	28	56	9
MI	6	13	53	25	3
MN	1	9	38	47	5
MO	0	3	39	53	5
NE	0	2	22	62	14
NC	1	4	28	61	6
OH	2	10	32	48	8
PA	0	8	48	44	0
SD	0	5	30	57	8
TX	0	3	25	49	23
WI	1	14	43	39	3
ALL	1	6	33	52	8
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	2	9	38	45	6

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	0	0	90	10
FL	0	0	48	48	4
GA	1	2	31	62	4
NC	0	6	35	54	5
OK	0	0	42	58	0
SC	0	0	29	71	0
TX	0	4	25	55	16
VA	0	1	26	72	1
ALL	0	2	27	64	7
Prev Wk	0	5	29	58	8
Prev Yr	NA	NA	NA	NA	NA

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	2	10	67	21
MN	1	5	18	72	4
MT	0	3	32	57	8
ND	0	2	24	64	10
SD	0	3	27	62	8
ALL	0	3	25	63	9
Prev Wk	3	3	25	62	7
Prev Yr	NA	NA	NA	NA	NA

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	12	64	23
MN	1	6	22	64	7
MT	0	2	26	66	6
ND	0	1	21	64	14
SD	0	2	23	67	8
WA	0	0	18	64	18
ALL	0	2	21	64	13
Prev Wk	2	2	21	66	9
Prev Yr	NA	NA	NA	NA	NA

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	7	35	43	14
CA	0	0	20	60	20
LA	0	7	37	53	3
MS	0	4	26	62	8
TX	0	0	30	51	19
ALL	0	5	31	51	13
Prev Wk	1	6	33	46	14
Prev Yr	0	3	28	55	14

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	9	3	60	26	2
AZ	1	1	11	53	34
AR	0	7	48	43	2
CA	0	0	5	90	5
GA	1	5	39	50	5
LA	1	6	35	57	1
MS	0	5	25	57	13
MO	0	4	39	56	1
NM	0	3	20	66	11
NC	1	7	32	58	2
OK	0	13	53	34	0
SC	0	12	50	38	0
TN	1	6	34	54	5
TX	1	7	27	53	12
ALL	1	6	31	54	8
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	3	9	32	49	7

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

*Revised

National crop conditions for selected States are weighted based on 1996 planted acres.

State Agricultural Summaries

These summaries, issued weekly in April through November and monthly in the other months, 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/ocel/waob/jawf>.

ALABAMA: Days suitable for fieldwork 2.4. Topsoil 1% short, 43% adequate, 56% surplus. Corn silked 5%, 16% 1996, 11% avg.; 4% poor, 20% fair, 72% good, 4% excellent. Wheat harvested 18%, 25% 1996, 19% avg.; 2% very poor, 6% poor, 29% fair, 54% good, 9% excellent. Livestock 1% poor, 14% fair, 69% good, 16% excellent. Much needed rains provided relief around the State. Some areas are soaked.

ALASKA: Days suitable for fieldwork 5.5. Topsoil, subsoil 45% short, 55% adequate. Potato planting 65% complete. Barley emergence 75% complete. Oat emergence 65% complete. Pasture feed 25% poor, 25% fair, 45% good, 5% excellent. Crop growth 45% slow, 45% moderate, 10% rapid.

ARIZONA: Cotton development ahead of 1996, average. Small grains 30% harvested, 43% 1996, 40% avg.; 7% fair, 58% good, 35% excellent. Alfalfa harvest activity 0% light, 22% moderate, 70% active, 8% not being harvested; 2% poor, 9% fair, 32% good, 57% excellent. Potato, dry onion harvest active in the central area. Central growers also shipped sweet corn, watermelons, cabbage, carrots, mixed greens, kale, parsley. Western growers shipped cantaloupe, honeydews, watermelons, specialty melons. Limited supply of bell peppers also being shipped. Iceberg lettuce continued to be harvested from the eastern area. Valencia orange, grapefruit harvest continued steady. Grape harvest continued in the west. Range conditions improved during May as mid-month showers added much needed moisture. Some areas across the State need additional precipitation, however, to help make it through the heat of the summer. Cattle, calves were rated in mostly fair condition. Stock water, soil moisture supplies were rated short to adequate overall, more run-off is needed to keep tanks from drying out. Insect damage was reported as very light.

ARKANSAS: A series of low pressure systems brought periods of rain. Cloud cover kept temperatures below seasonal averages. Main farming activities: Harvest of hay; soybean planting; pasture fertilization, weed control; rice acres fertilized, sprayed with herbicides; fertilizing corn, soybeans. Other farming activity included: Hornfly control in cattle; Bermuda grass pasture preparation; cultivating corn, soybeans; working melon, peach, strawberry crops; preparing for wheat harvest in seven to ten days; cotton treated for cutworms; scouting cotton; tomato pest control; top dressing rice with nitrogen.

CALIFORNIA: Field activities progressed normally as favorable conditions prevailed in most areas. Harvest of wheat, barley, oats for grain continued in the San Joaquin, Imperial valleys. Sacramento Valley wheat harvest was slowed by wet soils from the previous week's rain. Harvested small grain, winter forage fields were prepared for second crop plantings. Rice planting was complete. Emerging fields were treated for weeds. Cotton growers were actively cultivating, fertilizing, irrigating, weeding, spraying for aphids, lygus, mites. Desert area cotton fields were setting bolls. Black eye beans, corn, safflower showed good growth. Garbanzo beans were drying for harvest in the San Joaquin Valley. Safflower, seed alfalfa were blooming in central, southern counties, some fields were treated for lygus, mites, weevils. Sugar beet harvest continued in the San Joaquin Valley. New crop sugar beets were sprayed for cutworms in the Sacramento Valley. Alfalfa, oats, sudan grass, winter forage were cut for hay or green chopped. Harvest of apricots, nectarines, peaches, plums continued, although cool weather slowed stone fruit development. Sizing sprays were applied to table grapes, fungicides were applied to some vineyards. Apples were treated for codling moth, mites. Walnuts were sprayed for codling moth, blight. Valencia oranges, lemons continued to be harvested. Older olive trees in the central San Joaquin Valley had poorer fruit set compared with younger trees. Lettuce harvest continued in the Salinas-Watsonville area. Harvest of broccoli, cauliflower in the central coast

area progressed normally. Sweet corn, cantaloups, watermelons were treated for worms, aphids in the San Joaquin, Sacramento valleys, while harvest was underway in the Imperial Valley. Carrots were harvested in Imperial, Kern Counties. Sweetpotatoes were planted in the San Joaquin Valley. Tomatoes continued to bloom and set fruit in central, southern counties. Onions, peppers were harvested in southern areas. Potatoes, carrots were harvested in Kern County. Garlic harvest was ongoing. Picking of cucumbers, squash continued in Tulare County. Rangeland conditions were fair to poor in most areas, with conditions slightly better at higher elevations. Rangeland grass quality, quantity continued to deteriorate due to the hot, dry weather. Recent rains and slightly cooler weather in northern areas were beneficial to perennial rangeland grasses. Foothill pastures, ranges were very dry, with serious potential for wildfires. Livestock were generally in good condition, although some cattle began to suffer heat stress. Cattle were being moved to higher pastures, feedlots, or sales yards.

COLORADO: Days suitable for fieldwork 4.7. Topsoil 17% very short, 24% short, 52% adequate, 7% surplus. Subsoil 18% very short, 22% short, 57% adequate, 3% surplus. Spring barley 99% emerged, 100% 1996, 93% avg.; 1% very poor, 4% poor, 14% fair, 60% good, 21% excellent. Oats 100% seeded, 100% 1996, 95% avg.; 94% emerged, 97% 1996, 82% avg.; 1% very poor, 3% poor, 23% fair, 58% good, 15% excellent. Corn 92% emerged, 88% 1996, 68% avg. Spring wheat 100% planted, 100% 1996, 97% avg.; 91% emerged, 99% 1996, 82% avg.; 1% very poor, 8% poor, 14% fair, 46% good, 31% excellent. Sorghum 6% emerged, 3% 1996, 4% avg. Summer potatoes 86% emerged, 93% 1996, 77% avg.; 1% very poor, 7% poor, 17% fair, 62% good, 13% excellent. Dry onion 3% very poor, 13% poor, 21% fair, 48% good, 15% excellent. Sugar beets 5% thinned, 15% 1996, 11% avg.; 3% very poor, 8% poor, 24% fair, 52% good, 13% excellent. Fall potatoes 100% planted, 100% 1996, 96% avg.; 10% emerged, 33% 1996, 12% avg. Dry beans 31% planted, 34% 1996, 16% avg.; 4% emerged, 4% 1996, 2% avg. Alfalfa 13% 1st cutting, 13% 1996, 9% avg. Winter wheat 99% jointed, 100% 1996, 96% avg.; 83% headed, 73% 1996, 67% avg. Livestock mostly good to fair.

DELAWARE: Days suitable for fieldwork 4.0. Topsoil 11% short, 86% adequate, 3% surplus. Subsoil 3% short, 94% adequate, 3% surplus. Winter wheat 5% poor, 21% fair, 65% good, 9% excellent; 93% headed, 97% 1996, 97% avg.; 5% turned, 3% 1996, 4% avg. Barley 5% poor, 23% fair, 71% good, 1% excellent; 58% turned, 58% 1996, 58% avg. Corn 90% planted, 87% 1996, 95% avg. Soybeans 22% planted, 20% 1996, 30% avg. Tomatoes 58% planted, 75% 1996, 73% avg. Watermelons 63% planted, 57% 1996, 77% avg. Cantaloupes 65% planted, 52% 1996, 72% avg. Sweet corn 62% planted, 67% 1996, 84% avg. Apples 2% fair, 96% good, 2% excellent. Peaches 5% poor, 15% fair, 77% good, 3% excellent. Hay supplies 13% short, 87% adequate. Clover and other hays 79% 1st cutting harvested, 51% 1996, 63% avg.; 21% 2nd cutting harvested, 0% 1996, 0% avg. Alfalfa 72% 1st cutting harvested, 42% 1996, 58% avg. Activities: Harvesting hay continues, green pea harvesting to begin, planting soybeans, number of reports received of grub and wireworm damage in field corn, barley at soft dough stage.

FLORIDA: Topsoil is mostly adequate throughout the State. Fieldwork was interrupted often by frequent rain showers in many areas this past week. As weather permitted, soybean planting continued, as cotton and peanut planting were winding down. Haying was slowed by rains. Sugarcane growth was normal. Corn, forages, and tobacco were making good growth. Growers were harvesting small grains when weather permitted. Tomato harvesting was beginning in Gadsden County. Picking of most vegetables was virtually finished around Immokalee. Major vegetables shipped were sweet corn, watermelons,

tomatoes, potatoes, and peppers. The weather was hot and humid with rain in most areas, as irrigation was reduced. New growth was abundant. New crop fruit was making good progress. Valencia harvest was active in all areas. Grapefruit movement was slowing as packing houses closed. Caretakers were cutting cover crops, spraying, fertilizing, and resetting young trees. Pasture feed condition was 5% poor, fair 30%, good 55%, and excellent 10%. Condition of cattle herds was 5% poor, fair 20%, good 70%, and excellent 5%. Condition of most pastures in State improved due to statewide rains. Some central area pastures were in poor to fair condition, with ponds going dry.

GEORGIA: Days suitable for fieldwork 3.5. Soil moisture was 3% very short, 11% short, 64% adequate, and 22% surplus. Corn development was 24% silked, compared with 8% in 1996 and the 19% avg. Hay was 1% very poor, 5% poor, 31% fair, 60% good, and 3% excellent. Peanuts were 8% blooming, compared with 16% in 1996 and the 15% avg. Sorghum was 4% poor, 23% fair, 71% good, 2% excellent; and 52% planted, compared with 75% in 1996 and the 69% avg. Soybeans were 2% poor, 28% fair, 65% good, and 5% excellent. Tobacco was 1% very poor, 8% poor, 44% fair, 44% good, and 3% excellent. Wheat was 35% harvested for grain, compared with 16% in 1996 and the 33% avg. Onions were 99% harvested, compared with 97% in 1996 and the 98% avg. Watermelons were 1% very poor, 3% poor, 29% fair, 59% good, and 8% excellent. Apples were 2% poor, 25% fair, 64% good, and 9% excellent. Peaches were 2% very poor, 14% poor, 18% fair, 48% good, and 18% excellent; 35% were harvested, compared with 11% in 1996, and the 23% avg. Pecans were 1% very poor, 4% poor, 27% fair, 57% good, and 11% excellent. Damp, cold weather stopped fieldwork in the north. Thunderstorms were in the south. Rain was welcomed, while cool weather was still causing concern. Rain was timely for corn, and the wind caused some damage. Small grain harvest was slowed by damp weather. Hay harvest was stopped. Some cuttings may have been lost. Tobacco crops showed disease, isolated wind, and hail damage. Cotton and peanut planting was slowed, while minimum till allowed some progress. Cool weather slowed Bermuda grass pastures and hay fields growth. Activities: Limited small grain harvest was limited mostly in the south. Producers planted cotton and soybeans, cultivated and sprayed cotton herbicides, sprayed peanut fungicides, and harvested peaches.

HAWAII: Mostly sunny weather favored agriculture. Irrigation heavy in major vegetable regions. Light to moderate rains, late in the week, helped crops at western, eastern end of State. Banana production steady most areas, showers helped crop development in major areas. Overall papaya production steady, harvesting increasing from new areas; disease remained problem in some fields. Head cabbage production limited by soft market. Crop condition good. Sweet corn production expected to continue increasing. Watermelon harvesting expected to remain moderate to heavy; crop condition most good, some fair. Ginger root harvest continues. Some maturity problems with harvested ginger.

IDAHO: Days suitable for fieldwork 5.0. Rainfall across the State improved range conditions, delayed final potato, grain planting. Topsoil 9% surplus, 81% adequate, 10% short. Spring wheat jointed 38%, booting 15%, headed 3%. Barley jointed 33%, booting 12%, headed 4%. Winter wheat jointed 90%; booting 63%. Potatoes planted 95%, 95% 1996, 94% avg.; emerged 44%, 31% 1996, 41% avg. Alfalfa hay harvested (1st cutting) 17%, 10% 1996, 19% avg. Corn planted 95%; 92% 1996, 92% avg.; emerged 86%, 69% 1996, 67% avg. Dry beans planted 51%, 26% 1996, 41% avg.; emerged 10%, 8% 1996, 13% avg. Dry peas planted 96%, 69% 1996, 90% avg.; emerged 62%, 47% 1996, 79% avg. Lentils planted 96%, 79% 1996, 94% avg.; emerged 65%, 36% 1996, 73% avg. Oats planted 96%, 87% 1996, 93% avg.; emerged 84%, 77% 1996, 82% avg. Irrigation water supply 59% excellent, 41% good. Activities: Completing small grain, potato, corn, dry pea planting, planting dry beans, harvesting alfalfa, moving livestock to spring pasture, scouting, spraying for insects, diseases, tying up hops, cultivating, irrigating, weed control.

ILLINOIS: Days suitable for fieldwork 2.7. Topsoil 7% short, 69% adequate, 24% surplus. Fieldwork slowed last week as needed

showers, and in some areas heavy rain, were common most of the week. Soybean planting is nearly complete with 92% of crop planted by 1st compared with 30% 1996, 56% avg. Last time soybean planting was this advanced, as of June 1, was in 1988. Latest rainfall has most reporters optimistic about the crops, but the general consensus is that warm weather is needed for crops to make good progress. Where rainfall was scarce last week farmers were haying, spraying, hoeing soybeans, side dressing corn. Corn height 6 in., 4 in. 1996, 4 in. avg. Wheat filled 38%, 22% 1996, 41% avg.; turning yellow 1%, 2% 1996, 6% avg. Oats headed 11%, 15% 1996, 16% avg.; filled less than 1%, 1% 1996, 3% avg.; 2% poor, 21% fair, 65% good, 12% excellent. Alfalfa hay 1st cutting 30%, 11% 1996, 37% avg.; 1% poor, 34% fair, 60% good, 5% excellent. Red clover hay cutting 28%, 13% 1996, 30% avg.; 1% very poor, 4% poor, 24% fair, 61% good, 10% excellent.

INDIANA: Days suitable for fieldwork 1.1. Topsoil 1% short, 54% adequate, 45% surplus. Subsoil 3% short, 69% adequate, 28% surplus. Rain, wet field conditions halted field operations. Emergence, growth of both corn, soybeans remain slow. Heavy weekend rain caused ponding, flooding in some fields. Range, pasture feed 1% very poor, 5% poor, 30% fair, 51% good, 13% excellent. Alfalfa 1st cutting 16% complete. Transplanting of tobacco 20% complete. Activities: Corn planting, soybean planting, cutting hay, rotary hoeing, applying herbicide, field preparation, caring for livestock.

IOWA: Days suitable for fieldwork 1.5. Topsoil short 3%, adequate 78%, surplus 19%. Subsoil short 3%, adequate 85%, surplus 12%. Continued cool, wet weather hampered crop progress, warm weekend weather was welcome. Yellow corn, slow soybean emergence, short hay fields, pastures were reported across the State. Corn planted 100%, 96% 1996, 92% avg.; emerged 87%, 84% 1996, 76% avg. Soybeans planted 92%, 58% 1996, 69% avg.; emerged 45%, 19% 1996, 39% avg.; 6% poor, 37% fair, 51% good, 6% excellent. Hay 3% very poor, 16% poor, 42% fair, 34% good, 5% excellent. Condition of oats, winter wheat, pasture all decreased in the past week. Oats 1% very poor, 5% poor, 31% fair, 53% good, 10% excellent. Pasture feed 2% very poor, 11% poor, 41% fair, 39% good, 7% excellent. Winter wheat 1% very poor, 4% poor, 29% fair, 58% good, 9% excellent. Cattle conditions declined somewhat with the cool conditions, feedlots became muddy through the beginning of the week. Hogs are reported to be in good condition, with pig losses reported as below normal.

KANSAS: Days suitable for fieldwork 3.7. Topsoil 2% very short, 13% short, 70% adequate, 15% surplus. Subsoil 2% very short, 13% short, 81% adequate, 4% surplus. Wheat turning 25%, 18% 1996, 23% avg. Received much needed rain, wheat conditions improving. Reports of aphids, weevils, chinch bugs in wheat fields, infestations mostly light. Diseases reported wheat streak mosaic, barley yellow dwarf, leaf rust in wheat, infestations mostly none to moderate. Slow emergence in corn due to cool nights. Alfalfa hay 1st cut 60%, 41% 1996, 52% avg. Pasture feed 5% poor, 26% fair, 63% good, 6% excellent. Stock water supplies 5% short, 87% adequate, 8% surplus. Major field activities included: Planting soybeans, sorghum, sunflowers, cutting hay. Cattle doing well on pasture in most regions, some regions needing rain.

KENTUCKY: Days suitable for fieldwork 1.6. Rain, cool weather prevailed. Topsoil 1% short, 40% adequate, 59% surplus. Subsoil 2% short, 59% adequate, 39% surplus. Field activities included repairing machinery mending fences, working with livestock. Little fieldwork accomplished. Corn acreage planted 90% 85% 1996, 91% avg.; emerged 82%; 1% very poor, 6% poor, 28% fair, 56% good, 9% excellent. Soybean acreage planted 30%, 18% 1996, 33% avg.; emerged 22%; Soybeans emerged 3% poor, 22% fair, 67% good, 8% excellent. Burley tobacco acreage set 35%, 35% 1996, 49% avg. Dark tobacco acreage set 40%, 62% 1996, 61% avg. Set tobacco 1% very poor, 4% poor, 35% fair, 51% good, 9% excellent. Winter wheat 3% poor, 22% fair, 67% good, 8% excellent. Hay 1% very poor, 12% poor, 38% fair, 42% good, 7% excellent. Pasture feed 1% very poor, 9% poor, 37% fair, 43% good, 10% excellent.

LOUISIANA: Days suitable for fieldwork 2.2. Soil moisture 1% short, 45% adequate, 54% surplus. Corn 2% poor, 12% fair, 77% good, 9%

excellent; 8% silked, 23% 1996, 26% avg.; 0% dough, 1% 1996, 3% avg. Cotton 96% emerged, 99% 1996, 97% avg. Hay 57% 1st cutting, 66% 1996, 57% avg. Hay cutting was once again delayed by wet conditions. Peaches 6% harvested, 15% 1996, 10% avg. Rice 98% planted, 100% 1996, 98% avg.; 0% headed, 0% 1996, 1% avg. Rice fields, water weevil populations continued to grow. Some rice growers reported problems with sheath blight also. Sorghum 1% poor, 34% fair, 65% good; 86% emerged, 97% 1996, 86% avg. Soybeans 5% poor, 26% fair, 65% good, 4% excellent; 62% emerged, 74% 1996, 58% avg.; condition deteriorated due to wet conditions. Spring plowing 96% plowing, 100% 1996, 98% avg. Sugarcane 5% poor, 24% fair, 58% good, 13% excellent; growth made excellent progress despite weed problems in many fields. Sweetpotatoes 38% planted, 29% 1996, 32% avg. Wheat 11% poor, 50% fair, 38% good, 1% excellent; 100% turning color, 100% 1996, 98% avg.; 20% harvested, 55% 1996, 52% avg. Wheat harvest remained on hold due to excessive soil moisture. Livestock 4% poor, 30% fair, 59% good, 7% excellent. Vegetables 9% poor, 39% fair, 47% good, 5% excellent.

MARYLAND: Days suitable for fieldwork 5.2. Topsoil 6% very short, 17% short, 68% adequate, 9% surplus. Subsoil 5% very short, 12% short, 76% adequate, 7% surplus. Winter wheat 2% very poor, 5% poor, 25% fair, 53% good, 15% excellent; 94% headed, 94% 1996, 96% avg.; 7% turned, 5% 1996, 13% avg. Rye 2% poor, 15% fair, 73% good, 10% excellent; 50% turned, 26% 1996, 21% avg.; 20% harvested, 0% 1996, 2% avg. Barley 2% very poor, 4% poor, 21% fair, 56% good, 17% excellent; 35% turned, 52% 1996, 55% avg. Field corn 92% planted, 83% 1996, 91% avg. Soybeans 36% planted, 12% 1996, 32% avg. Apples 3% very poor, 8% poor, 22% fair, 67% good. Peaches 45% very poor, 5% poor, 5% fair, 45% good. Cantaloupe 86% planted, 84% 1996, 84% avg. Sweet corn 76% planted, 75% 1996, 77% avg. Watermelons 87% planted, 85% 1996, 82% avg. Tomatoes 90% planted, 88% 1996, 83% avg. Tobacco 43% transplanted, 30% 1996, 43% avg. Hay supplies 9% very short, 17% short, 71% adequate, 3% surplus. Alfalfa hay 59% 1st cutting, 51% 1996, 61% avg. Clover and other hays 47% 1st cutting harvested, 27% 1996, 39% avg. Activities: Harvesting hay, soybean planting continuing.

MICHIGAN: Precipitation was scattered throughout the State. Weather remained cool. Even 5 weeks after planting, some crops were having problems emerging as a result of these low temperatures. Topsoil moisture levels were 2% short, 71% adequate, and 27% surplus. Subsoil moisture levels were 1% very short, 5% short, and 73% adequate, and 21% surplus. The potato crop progress was 87% planted, compared with 77% in 1996 and the 86% avg. Asparagus was 34% harvested, compared with 47% in 1996 and the 57% avg. Previous weeks' estimate was revised to 18% of the asparagus harvested.

MINNESOTA: Days suitable for fieldwork 4.3. Topsoil 9% very short, 19% short, 64% adequate, 8% surplus. Corn 99% planted, 91% 1996, 93% avg.; 80% emerged, 64% 1996, 73% avg.; 1% cultivated, 2% 1996, 8% avg. Soybeans 91% planted, 62% 1996, 76% avg.; 31% emerged, 31% 1996, 43% avg. Spring wheat 91% planted, 71% 1996, 92% avg.; 54% emerged, 45% 1996, 77% avg.; 2% jointed, 0% 1996, 14% avg. Oats 98% planted, 96% 1996, 98% avg.; 88% emerged, 88% 1996, 90% avg.; 6% jointed, 2% 1996, 16% avg. Barley 96% planted, 66% 1996, 89% avg.; 49% emerged, 42% 1996, 74% avg.; 1% jointed, 0% 1996, 11% avg. Sweet corn 74% planted, 67% 1996, 71% avg. Green peas 97% planted, 91% 1996, 90% avg. Potatoes 65% planted, 65% 1996, 81% avg. Flaxseed 58% planted, 27% 1996, 64% avg. Dry edible beans 55% planted, 34% 1996, 67% avg. Sunflowers 53% planted, 39% 1996, 74% avg. Alfalfa 1% 1st cutting, 1% 1996, 7% avg. Pasture feed 6% very poor, 21% poor, 40% fair, 31% good, 2% excellent. Spring wheat 1% very poor, 5% poor, 18% fair, 72% good, 4% excellent. Barley 1% very poor, 6% poor, 22% fair, 64% good, 7% excellent. Corn 1% very poor, 9% poor, 38% fair, 47% good, 5% excellent. Oats 1% very poor, 4% poor, 48% fair, 42% good, 5% excellent. Sugar beets 1% very poor, 8% poor, 30% fair, 56% good, 5% excellent.

MISSISSIPPI: Days suitable for fieldwork 1.2. Soil moisture 35% adequate, 65% surplus. Corn 100% emerged, 100% 1996, 95% avg.;

6% silked, 4% 1996, 5% avg.; 3% poor, 18% fair, 62% good, 17% excellent. Soybeans 80% planted, 92% 1996, 63% avg.; 68% emerged, 82% 1996, 52% avg.; 4% poor, 22% fair, 54% good, 20% excellent. Wheat 48% mature, 70% 1996, 69% avg.; 3% harvested, 8% 1996, 11% avg.; 1% very poor, 8% poor, 42% fair, 42% good, 7% excellent. Peaches 12% harvested, 7% 1996, 11% avg.; 3% poor, 15% fair, 53% good, 29% excellent. Peanuts 94% planted, 97% 1996, 84% avg.; 1% fair, 98% good, 1% excellent. Sweetpotatoes 10% planted, 23% 1996, 35% avg.; 19% poor, 6% fair, 75% good. Hay 80% harvested (cool season), 85% 1996, N/A avg.; (warm season), 12% harvested, 13% 1996, N/A avg.; 1% very poor, 8% poor, 34% fair, 44% good, 13% excellent. Watermelons 93% planted, 98% 1996, 94% avg.; 3% very poor, 8% poor, 28% fair, 51% good, 10% excellent. Blueberries 6% poor, 14% fair, 56% good, 24% excellent. Cattle 2% poor, 18% fair, 62% good, 18% excellent. Pasture feed 3% poor, 19% fair, 59% good, 19% excellent. Activities: Planting cotton, rice, sorghum, soybeans, harvesting hay. Excessive rainfall across most of the State delayed all fieldwork, fertilized pastures responded well.

MISSOURI: Days suitable for fieldwork 1.6. Topsoil 6% short, 50% adequate, 44% surplus. Warm weather needed for all crops. Bean planting most advanced in the northwest, north-central, central districts with 71% or more planted, least advanced southwest, south-central. Sorghum planting most advanced in southern third at 85 to 89%, least advanced north-central, central at under 50%. Wheat heading is virtually complete across southern third of State, least advanced northeastern district at 60%. Wheat coloring 33% southeast, not yet begun in northern two thirds of State. First crop alfalfa 34%, 32% 1996, 39% avg. Other hay 16%, 13% 1996, 19% avg. Pasture feed 1% very poor, 10% poor, 39% fair, 46% good, 4% excellent.

MONTANA: Days suitable for fieldwork 4.1. Topsoil 5% very short, 11% short, 78% adequate, 6% surplus. Subsoil 5% very short, 26% short, 63% adequate, 6% surplus. Precipitation throughout the State has helped emergence of spring grains, crop conditions, soil moisture. Oats 95% planted, 85% 1996, 93% avg.; emerged 77%, 62% 1996, 73% avg.; 3% poor, 44% fair, 47% good, 6% excellent. Sugar beets 100% planted, 100% 1996, 100% avg.; 98% emerged, 97% 1996. Corn 95% planted, 90% 1996, 93% avg.; 86% emerged, 57% 1996. Potatoes 86% planted, 61% 1996, 79% avg.; emerged 25%. Dry beans 98% planted, 84% 1996, 90% avg.; emerged 70%, 32% 1996. Calving 99% complete, lambing 94% complete. Cattle moved to summer pasture 87%, 81% 1996, 78% avg.; sheep moved 75%, 80% 1996, 74% avg.

NEBRASKA: Days suitable for fieldwork 1.1. Subsoil 13% short, 84% adequate, 3% surplus. Topsoil 9% short, 79% adequate, 12% surplus. Wet weather conditions over much of the State the past week limited fieldwork activities. A marked improvement in topsoil moisture supplies was indicated statewide. However, sunshine, warm weather were needed to boost row crop growth, development. Rains were especially welcome in dry western counties where wheat was showing drought stress. By the weekend, dry, warm weather conditions allowed some producers to get back in the field. Winter wheat 1% very poor, 12% poor, 45% fair, 39% good, 3% excellent; 94% jointed, 95% 1996, 99% avg.; 60% headed, 32% 1996, 57% avg. Corn 90% emerged, 83% 1996, 74% avg. Soybeans 84% planted, 51% 1996, 65% avg.; 51% emerged, 23% 1996, 35% avg.; reports in the eastern counties indicated a presence of cutworms in some fields. Sorghum 77% planted, 42% 1996, 55% avg.; 32% emerged, 19% 1996, 29% avg. Oats 1% very poor, 5% poor, 22% fair, 61% good, 11% excellent. Dry bean 11% planted, 21% 1996, 20% avg. Alfalfa 4% very poor, 14% poor, 34% fair, 42% good, 6% excellent; 5% 1st cutting, 3% 1996, 22% avg. Wild hay 1% very poor, 10% poor, 36% fair, 51% good, 2% excellent. Pasture feed, range 1% very poor, 8% poor, 30% fair, 54% good, 7% excellent. Moving cattle to pastures. Other activities; cultivating row crops.

NEVADA: Alfalfa hay growing fast with the seasonally high temperatures; condition fair. Spraying for weevil, lygus continued. First cutting alfalfa increasing north; 2nd cutting complete extreme south. Corn, sudan planting advanced north. Smut remained a concern in winter barley northwest; crop condition poor to good. Wheat mostly good. Onions, garlic in good to excellent condition. Potatoes condition

good. Weeding of row crops underway. Pastures, ranges beginning to dry in some areas. Branding continued in some cattle herds. Main farm, ranch activities: Alfalfa hay harvest, irrigating, spraying.

NEW ENGLAND: Days suitable for fieldwork 5.8. Topsoil 3% short, 85% adequate, 12% surplus. Subsoil 85% adequate, 15% surplus. Pasture feed 25% very poor, 7% poor, 32% fair, 48% good, 11% excellent. Massachusetts potatoes 95% planted, 95% 1996, 95% avg.; 60% emerged; condition good. Rhode Island potatoes 85% planted, 85% 1996, 90% avg.; 50% emerged; condition good. Maine potatoes 35% planted, 80% 1996, 80% avg.; 0% emerged. Field corn 60% planted, 65% 1996, 70% avg.; 20% emerged; condition good. Sweet corn 50% planted, 60% 1996, 70% avg.; 30% emerged; condition good to fair. Oats in Maine 30% planted, 90% 1996, 85% avg.; <5% emerged. Barley Maine 30% planted, 95% 1996; <5% emerged; condition good. Shade tobacco 75% planted, 85% 1996, 80% avg.; condition good. Broadleaf tobacco 30% planted, 10% 1996, 25% avg.; condition good. Hay 5% harvested, 5% 1996, 10% avg.; condition fair. Cranberries in bud stage; condition good. Highbush blueberries early bloom to full bloom; condition good. Wild blueberries reported in early bloom; condition good. Strawberries full bloom to early bloom; condition fair to good. Pears in full bloom to petal fall; condition good. Apples full bloom to petal fall; condition good. Peaches in petal fall; condition fair to good. All fruit sets reported as average. Last week, farmers rushed to play catch-up as Mother Nature provided more suitable weather conditions. All six New England States reported a very busy week of corn planting. Also, some have started the first crop of hay. Major farm activities: Planting field corn, weed spraying, fertilizing.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil short to adequate. Farmers are busy implementing pest control measures, fertilizing, planting, harvesting. Currently, planting tomatoes, peppers, sweetpotatoes, snap beans, sweet corn, soybeans field corn. Harvesting of lettuce (all types), asparagus, spinach, leeks, herbs, parsley, turnips, endive, escarole, beets, savoy, Chinese cabbage, peas, kale, Swiss chard. Cutting of hay occurring. Wheat, barley are heading up. Pasture feed good. Peaches, blueberries are sizing well. Some thinning of peaches reported. Early blooming of cranberries reported. Harvesting of strawberries continues.

NEW MEXICO: Days suitable for fieldwork 6.8 under mostly dry conditions last week. Farmers were completing planting of cotton and corn as the planting of sorghum continued. Adequate soil moisture has many farmers planting sorghum earlier this year. By the end of the week, 44% of the sorghum was planted, compared with 23% in 1996 and average in the north, while the second cutting neared the halfway point in the south. Statewide, the alfalfa crop was in good condition. Wheat crop was also reported in good condition as farmers were busy preparing for the upcoming harvest. Lettuce harvest was completed last week as onion harvest got underway. Onions were 6% harvested by week's end. Pecans were in good condition, with an average nut set expected. Ranchers continued moving livestock to summer pastures, while calving, branding and sheep shearing continued. Cattle and sheep were mostly in good condition. Range and pasture feed was 1% very poor, 5% poor, 28% fair, 59% good, and 7% excellent.

NEW YORK: Days suitable for fieldwork 6.1. Soil moisture 13% short, 75% adequate, 12% surplus. Pasture feed 16% poor, 28% fair, 53% good, 3% excellent. Oats 89% seeded, 81% 1996, 89% avg.; 25% fair, 50% good, 25% excellent. Wheat 14% fair, 86% good. Corn 71% planted, 48% 1996, 72% avg. Warmer weather is needed for germination, growth. Hay being cut for haylage, greenchop. Apples in eastern areas have good set. Spraying on schedule. Central regions, apples reached half-inch green to pink, full bloom. Lake Ontario apples show good bloom, conditions good for pollination. Vegetable crops behind normal development due to coolness. Warmer weather needed.

NORTH CAROLINA: Days suitable for fieldwork 5.4. Farmers had to deal with rain, cool weather again this week. Some crops are starting to show effects of the cold damp conditions. Most crops will be able to recover with some warm days ahead. Soil moisture 3% very short, 32% short, 59% adequate, 6% surplus. Activities for the week included:

Planting cotton, peanuts, soybeans, tobacco; fertilizer and herbicide applications on corn; cutting hay; maintaining pastures; tending livestock; repairing equipment; general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 7. Warmer weather during the week helped push crop development, but further depleted soil moisture supplies. Topsoil 15% very short, 37% short, 43% adequate, 5% surplus. Subsoil 3% very short, 14% short, 77% adequate, 6% surplus. Small grain planting neared completion slightly ahead of average despite delays early in the planting season. Durum wheat 92% planted, 50% emerged and beyond; 75%, 34% 1996, 85%, 61% avg. Late season crops: Canola 93% planted, 38% emerged and beyond; corn 93% planted, 56% emerged and beyond; 74%, 34% 1996; 85%, 55% avg.; dry edible beans 73% planted, 12% emerged and beyond; 42%, 3% 1996, 69%, 28% avg.; flaxseed 75% planted, 29% emerged and beyond; 40%, 9% 1996, 65%, 34% avg.; potatoes 85% planted, 10% emerged and beyond; 82%, 6% 1996, 93%, 18% avg.; soybeans 72% planted, 25% emerged and beyond; 39%, 8% 1996, 76%, 41% avg.; sugar beets 99% planted, 56% emerged and beyond; 89%, 61% 1996, 97%, 87% avg.; sunflower 56% planted, 13% emerged and beyond; 31%, 1% 1996, 58%, 19% avg. Emerged crop condition: durum 4% poor, 38% fair, 55% good, 3% excellent; sugar beets 10% fair, 74% good, 16% excellent. Pastures, ranges supplied 96% of roughage requirements. Pasture feed 6% very poor, 22% poor, 36% fair, 31% good, 5% excellent.

OHIO: Days suitable for fieldwork 1.8, 4.66 avg. Topsoil 1% short, 49% adequate, 50% surplus. Surplus up 31 points from last week. Corn planting is ahead of the five year average by about two weeks. West-central, southwest, central district over 98%. Northwest over 76%. Corn 76% emerged, 21% 1996, 65% avg. This is up 19 points from last week. Soybeans planted 5 points ahead of the five year average. West-central, central slightly above 87%. Northern 1/3 of the State was below 60%. Soybeans emergence rose 29 points from last week; 49% 1997, 7% 1996, 41% avg. Oats emerged is 1 point ahead of the avg. Northwest district was below 70%. Winter wheat 97% jointed, 97% 1996, 98% avg. Winter wheat headed is 1 week behind the avg. Potatoes 91% planted, 72% 1996, 92% avg. Processing tomatoes 50% transplanted, 73% 1996, 72% avg. Alfalfa hay 1st cutting 8%, 12% 1996, 32% avg. Other hay 1st cutting 4%, 8% 1996, 20% avg. Southern Ohio, growers are staking, trellising, transplanting tomatoes; setting tobacco, transplanting melons. Most of the peppers are set. Other activities crop scouting, fence maintenance, spraying, applying anhydrous, planting and replanting, cultivating. Corn, soybeans replanting due to germination problems. Few reports of cutworm, seedling blight, ponding low lying areas. Hay 1% very poor, 8% poor, 35% fair, 48% good, 8% excellent. Strawberries 8% poor, 34% fair, 52% good, 6% excellent.

OKLAHOMA: Wheat harvest began in a few sandy areas before showers stopped combines 29th night. Wheat 61% soft dough, 79% 1996, 72% avg.; 0% harvested, 11% 1996, 3% avg. Oats 91% heading, 92% 1996, 90% avg.; 51% soft dough, 74% 1996, 55% avg.; 0% harvested, 10% 1996, 3% avg. Corn 99% up-to-stand, 99% 1996, 96% avg. Sorghum 77% seedbed prepared, 82% 1996, 86% avg.; 9% up-to-stand, 25% 1996, 23% avg. Soybeans 99% seedbed prepared, 95% 1996, 84% avg.; 60% planted, 68% 1996, 45% avg.; 35% up-to-stand, 36% 1996, 27% avg. Peanuts 92% seedbed prepared, 99% 1996, 95% avg.; 64% planted, 69% 1996, 58% avg.; 22% up-to-stand, 37% 1996, 32% avg. Cotton 94% seedbed prepared, 93% 1996, 95% avg.; 23% up-to-stand, 30% 1996, 33% avg. Alfalfa hay 93% 1st cutting, 87% 1996, 80% avg.; 5% 2nd cutting, 6% 1996, 5% avg. All other hay 44% 1st cutting, 30% 1996, 47% avg. Watermelons 88% running, 62% 1996, 47% avg. Livestock 2% poor, 12% fair, 79% good, 7% excellent. Fed cattle prices steady to slightly lower.

OREGON: Days suitable for fieldwork 5.0. Topsoil 1% very short, 17% short, 81% adequate, 1% surplus. Subsoil 9% short, 91% adequate. All barley 97% planted, 94% 1996, 96% avg. Winter wheat 3% poor, 12% fair, 58% good, 27% excellent; 59% headed, 57% 1996, 69% avg. Activities: Westside grain producers sprayed for weed control, applied fertilizer. Crimson clover bloom finished, red clover

silage making continued. Wet weather discontinued haying, damaged hay already down. Rain welcomed for east side grain crops, damaged hay down. Some growers finished up spring grain seeding, began haylage harvest. Nursery operations moving to summer maintenance, digging to fill orders, field planting. Irrigation at nurseries cut back due to rain. Easter lily bud picking started, weeding in progress. Willamette Valley: vegetable planting continued; sweet corn, green beans, cucumbers, broccoli, cauliflower on schedule. Some sweet corn up about 4 inches, green beans emerged. Strawberry harvest began, caneberry development, growth continued, showed heavy set. Eastern hazelnut blight showing in central valley. Hood River Valley: Bartlett pear thinning started, some trees were showing effects of winter damage. Mid-Columbia: fruit fly, scab sprays being applied to sweet cherry crop. Eastern regions reported potato planting winding down and some potatoes emerged. Green peas blooming, asparagus doing well. Westside livestock condition reported good to excellent, good on East side. Sheep shearing underway in the Klamath Basin. Warmer weather with rainfall promoted good grass growth on ranges and pastures, although lower elevation ranges in the east, shallow soils in the south Willamette Valley started to turn.

PENNSYLVANIA: Fair week for fieldwork. Days suitable for fieldwork 4.6. Soil moisture 1% very short, 25% short, 66% adequate, 8% surplus. Plowing 97% complete, 87% 1996, 94% avg. Corn height 3 in., 3 in. 1996, 2 in. avg.; 8% poor, 48% fair, 44% good. Tobacco transplanted 23% complete, 27% 1996, 18% avg. Soybeans planted 60% complete, 40% 1996, 52% avg.; 30% fair, 70% good. Potatoes planted 75% complete, 77% 1996, 82% avg. Barley 92% heading or headed, 88% 1996, 79% avg.; 7% turning yellow, 9% 1996, 7% avg. Wheat 70% heading or headed, 77% 1996, 60% avg.; 5% poor, 25% fair, 65% good, 5% excellent. Oats 4% poor, 33% fair, 59% good, 4% excellent. Alfalfa 1st cutting 42% complete, 29% 1996, 31% avg. Timothy clover 1st cutting 10% complete, 13% 1996, 8% avg. Quality of hay made 30% fair, 60% good, 10% excellent. Peach 8% very poor, 22% poor, 65% fair, 5% good. Apple 10% poor, 20% fair, 70% good. Activities: Plowing; planting oats, corn and soybeans; making hay and haylage; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Soil moisture 2% very short, 27% short, 68% adequate, 3% surplus. Barley 99% turn color, 90% 1996, 85% avg; 6% fair, 54% good, 40% excellent. Cantaloupes 100% planted, 100% 1996, 94% avg.; 1% very poor, 3% poor, 43% fair, 53% good. Corn 19% silked; 7% poor, 29% fair, 56% good, 8% excellent. Cucumbers 25% harvested; 45% fair, 41% good, 14% excellent. Hay 90% harvested, 86% 1996, 83% avg.; 2% very poor, 5% poor, 35% fair, 53% good, 5% excellent. Oats 97% turn color, 96% 1996, 93% avg.; 84% ripe, 79% 1996, 66% avg.; 47% harvested, 22% 1996, 24% avg.; 2% poor, 23% fair, 67% good, 8% excellent. Peaches 12% harvested, 3% 1996, 5% avg.; 13% poor, 21% fair, 35% good, 31% excellent. Rye 95% turn color, 95% 1996, 90% avg.; 80% ripe, 80% 1996, 61% avg.; 43% harvested, 19% 1996, 18% avg.; 3% poor, 34% fair, 59% good, 4% excellent. Snap beans 91% planted, 94% 1996, 85% avg.; 3% poor, 13% fair, 70% good, 14% excellent. Sorghum 57% planted, 35% 1996, 42% avg.; 46% headed; 8% fair, 54% good, 38% excellent. Soybeans 36% planted, 31% 1996, 34% avg.; 45% fair, 51% good, 4% excellent. Sweetpotatoes 56% planted, 78% 1996, 58% avg.; 60% fair, 40% good. Tobacco 5% topped; 3% poor, 31% fair, 63% good, 3% excellent. Tomatoes 29% fair, 70% good, 1% excellent. Watermelons 6% poor, 40% fair, 49% good, 5% excellent. Winter wheat 98% turn color, 98% 1996, 94% avg.; 62% ripe, 77% 1996, 63% avg.; 17% harvested, 7% 1996, 14% avg.; 2% poor, 18% fair, 62% good, 18% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 2.5. Topsoil 1% very short, 4% short, 69% adequate, 26% surplus. Subsoil 1% short, 63% adequate, 36% surplus. Winter wheat 26% boot. Winter rye 35% boot. Spring wheat 1% boot. Winter rye 13% poor, 28% fair, 52% good, 7% excellent. Alfalfa hay 4% very poor, 4% poor, 28% fair, 53% good, 11% excellent. Sunflowers 23% planted. Flax 64% planted, 31% emerged. Livestock 2% poor, 19% fair, 68% good, 11% excellent. Calving 95% complete. Lambing 95% complete. Cattle, calves moved to pasture 88% complete. Feed supplies 5% very short, 9% short, 80% adequate, 6% surplus. Stock water 65% adequate, 35% surplus.

TENNESSEE: Days suitable for fieldwork 1.0. Topsoil moisture 49% adequate, 51% surplus. Subsoil moisture 63% adequate, 37% surplus. Farmers were kept out of fields most of last week due to continuous rain showers throughout the State. However, farmers in scattered areas used every opportunity available, worked around the rains. Farmers worked in early mornings or when the rains stopped in mid-day or early evening to plant soybeans, sorghum, harvest hay. As crop progresses, conditions should show improvement with sunshine and warmer weather. Corn 1% very poor, 5% poor, 24% fair, 55% good, 15% excellent. Tobacco 3% poor, 39% fair, 53% good, 5% excellent; 46% transplanted, 62% 1996, 69% avg. Wheat 4% poor, 28% fair, 52% good, 16% excellent; 65% turning color, 71% 1996, 73% avg.; 1% ripe, 4% 1996, 10% avg. Sorghum 80% planted, 76% 1996, 79% avg. Pasture 6% poor, 29% fair, 54% good, 11% excellent. Cattle 2% poor, 19% fair, 62% good, 17% excellent. Alfalfa hay 4% poor, 29% fair, 58% good, 9% excellent; 70% 1st cutting, 81% 1996, 86% avg. Other hay 7% poor, 35% fair, 49% good, 9% excellent.

TEXAS: Violent weather erupted in parts of the State, causing losses to human lives, crops, and livestock. High winds and hail caused problems in the Plains, while tornadoes touched down in the central areas. A return to warmer, open conditions by late week improved crop conditions in most areas. Producers were able to make good progress on fieldwork, however, were slowed at times by rain. Haying operations increased as weather permitted in many areas. Livestock conditions continued to be good in most areas. Small grains harvest slowly increased in the Blacklands between rain showers. High winds in association with tornadoes caused some lodging. Harvest got underway in the Low Plains during week. Fields continued to improve in the High Plains, where fields were heading. Crop progress was 3% harvested, compared with 11% in 1996 and the 8% avg. Corn progress was good in nearly all areas of the State by late week. Irrigation operations slowed in the Plains due to timely rains. Fields were in the dough stage in the Rio Grande Valley, Coastal Bend, into central areas. Fields were tasseling in the Blacklands, where some fields were blown over by high winds. Crop progress was 15% silked, compared with 25% in 1996 and the 26% avg., and 2% doughing, compared with 7% in 1996 and the 6% avg. Cotton planting and cultivation activities returned by midweek in many areas. Additional sunshine is needed in most areas for further progress. Fields were squaring in many areas from the Valley area to central areas. Grain sorghum planting operations increased in the Plains, where emerged fields made good progress. Some delays were experienced during week due to wet fields. Good progress was reported from north-central areas down to Rio Grande Valley, along the Upper Coast. Fields were heading in the southern areas, but many fields continued behind schedule. Statewide condition rated 88% normal, compared with 54% by this date last year. Crop progress was 14% headed, compared with 27% in 1996 and the 26% avg. Peanut planting continued in the north-central areas, with early fields showing good growth. Land preparations continued in the south-central areas, with limited planting underway. Rice: Most fields were showing good growth; however, progress was behind normal. Soybeans: Planting was delayed in the Plains; however, early fields made good progress. Fields along the Upper Coast also made good progress, but some fields showed iron deficiencies. Sugar beets: Fields made good progress for the week. Other crops: Oats was 17% harvested, compared with 37% in 1996 and the 24% avg. Sunflowers were 33% planted, compared with 40% in 1996 and the 47% avg.

Commercial Vegetables: In the Rio Grande Valley, melon production remained poor. Harvest of other vegetables continued without much delay. In the San Antonio-Winter Garden, watermelons remained behind but made good progress for the week. Onion harvest progressed. In the High Plains, potatoes and onions were progressing well in good condition. In the eastern areas, sweetpotato planting was underway, and early fields made good progress. Tomatoes were setting fruit. Harvest of other vegetables were increasing as weather conditions allowed. In Trans-Pecos, cantaloupes made good progress. Peach harvest continued in many areas. Brown rot was reported in some orchards, with spraying taking place. High winds in some areas caused some loss. Pecans spraying for case bearers increased into more areas

during the week. However, numbers were lower than normal for the first generation. Nut sets were good in most areas.

Range and Livestock: Ranges and pastures continued to make good to excellent progress across the State. Growth of warm-season grasses increased. Hay cutting activity increased as weather conditions allowed. Livestock conditions remained good. Flies continued to be a problem in some herds. Livestock were lost and scattered as a result of a strong tornado that ripped through central areas.

UTAH: Days suitable for fieldwork 5.5. Topsoil 17% short, 74% adequate, 9% surplus. Subsoil 16% short, 75% adequate, 9% surplus. Pasture feed, range 2% poor, 17% fair, 65% good, 16% excellent. Oats emerged 85%, 72% 1996, 84% avg. Winter wheat heading or better 50%, 37% 1996, 36% avg. Corn emerged 80%, 76% 1996, 70% avg. Alfalfa hay 1st cutting 11%, 10% 1996, 24% avg.; height 20 in., 17 in. 1996, 18 in. avg. Other hay cutting 2%, 2% 1996, 6% avg. Dry beans planted 53%. Cattle moved to summer range 60%, 64% 1996, 64% avg. Sheep moved to summer range 48%, 67% 1996, 60% avg. Major farm, ranch activities: Cutting alfalfa and other hay, irrigating, spraying for weeds, spraying apple trees, moving cattle and sheep to summer range. Some counties are reporting higher-than-normal infestation of weeds, insects. Snow has finally come off the high country in Uintah County, winter wheat has suffered significant winter kill. Producers are planting spring wheat to replace the winter wheat. Cattle, sheep are in excellent to good condition.

VIRGINIA: Days suitable for fieldwork 5.1. Topsoil 5% very short, 40% short, 50% adequate, 5% surplus. Subsoil 5% very short, 26% short, 65% adequate, 4% surplus. Corn 93% planted, 89% 1996, 93% avg.; 5% poor, 45% fair, 40% good, 10% excellent. Soybeans 35% planted, 32% 1996, 33% avg. Cotton 99% planted, 100% 1996, 100% avg.; 5% poor, 55% fair, 40% good. Winter wheat 5% poor, 25% fair, 60% good, 10% excellent. Barley 1% very poor, 5% poor, 25% fair, 60% good, 9% excellent. Apples 5% very poor, 20% poor, 25% fair, 40% good, 10% excellent. Peaches 20% very poor, 20% poor, 40% fair, 20% good. Flue tobacco transplanted 90%, 92% 1996, 95% avg.; 5% poor, 45% fair, 25% good, 25% excellent. Sun tobacco transplanted 80%, 81% 1996, 80% avg. Burley tobacco transplanted 35%, 57% 1996, 47% avg.; 25% fair, 75% good. Dark fire cured tobacco transplanted 90%, 72% 1996, 78% avg.; 10% poor, 25% fair, 65% good. Peanuts 98% planted, 96% 1996, 98% avg.; 1% poor, 26% fair, 72% good, 1% excellent. Summer potatoes 2% poor, 15% fair, 73% good, 10% excellent. Pasture feed 1% very poor, 15% poor, 50% fair, 33% good, 1% excellent. Alfalfa 5% poor, 40% fair, 50% good, 5% excellent. Other hay 18% poor, 45% fair, 35% good, 2% excellent. Scattered rain showers with some localities heavily drenched over the weekend, improved moisture supplies, brought relief to stressed crops in many localities throughout the State. Tobacco transplanting, hay cutting progress was hindered due to surplus topsoil moisture in some localities. Dry conditions earlier during the week allowed for much of the 1st cutting of hay to be harvested with low yields being reported. Other activities included: Preparing combines for small grain harvesting, planting snap beans, cucumbers and sweetpotatoes.

WASHINGTON: Days suitable for fieldwork 4.4. Topsoil 10% short, 70% adequate, 20% surplus. Subsoil 13% short, 85% adequate, 2% surplus. West of the mountains, wet conditions limited fieldwork with standing water in some fields. Eastern areas received some needed precipitation to boost spring crops. Winter wheat 59% headed, 27% 1996, 51% avg.; dryland 15% fair, 60% good, 25% excellent; irrigated 80% good, 20% excellent. Spring wheat 99% planted, 98% 1996, 99% avg.; 98% emerged, 93% 1996, 96% avg.; dryland 10% fair, 65% good, 25% excellent; irrigated 90% good, 10% excellent. Winter wheat was headed out, flowering. Rainfall improved wheat conditions, some intense storms also caused hail damage in areas. Soil moisture conditions for

grain development was reported as very good in eastern areas. Barley 100% planted, 95% 1996, 99% avg.; 98% emerged, 84% 1996, 95% avg.; dryland 20% fair, 60% good, 20% excellent; irrigated 100% good. Corn 97% planted, 97% 1996, 93% avg. Dry beans 40% planted, 53% 1996, 55% avg. Dry peas 100% planted, 95% 1996, 98% avg. Potatoes 100% planted, 100% 1996, 99% avg.; 85% emerged, 94% 1996, 88% avg.; 100% good. Hay, other roughage supplies, 30% short, 55% adequate, 15% surplus. Alfalfa 1st cutting continued, rain delayed haying in many areas. Green chop, silage cutting by dairies continued west of the mountains. Range, pasture feed 4% poor, 21% fair, 65% good, 10% excellent. Grazing conditions were reported as good. On the west side, strawberries sized well, were nearly ripe, there were concerns about fruit rot. Apple scab expected to be a problem in the west. Central areas growers protected fruit against mildew, scab, put on the first cover for codling moth. Planting of sweet corn was nearly completed, pumpkin planting continued. Pea, bean stands look good. Harvesting of asparagus continued.

WEST VIRGINIA: Days suitable for fieldwork 3.8. Topsoil 7% short, 81% adequate, 12% surplus. Intended acreage prepared for spring planting 95%, 78% 1996. Corn 81% planted, 63% 1996, 80% avg. Hay 2% very poor, 10% poor, 39% fair, 46% good, 3% excellent; 1st cutting of hay 7%, 7% 1996, 22% avg. Cool, wet conditions continue hamper hay production, harvest. Oats 1% poor, 6% fair, 93% good; 96% planted, 90% 1996, 90% avg.; oats 73% emerged, 81% 1996, 84% avg. Soybean 68% planted, 9% 1996. Tobacco transplanted 44%, 9% 1996, 56% avg. Wheat 1% poor, 21% fair, 72% good, 6% excellent; 80% headed, 68% 1996, 77% avg. Apple 92% fair, 8% good. Peach 100% fair. Cattle 1% poor, 19% fair, 74% good, 6% excellent. Sheep 8% fair, 87% good, 5% excellent. Activities: Field preparation for planting; planting corn, oats, soybeans; transplanting tobacco, cutting hay and hay silage, shearing sheep, general maintenance.

WISCONSIN: Days suitable for fieldwork 4.5. Soil moisture 5% very short, 21% short, 71% adequate, 3% surplus. Last week ended with warmer weather which aided alfalfa growth. First crop hay harvest was reported at only 1% started. Green chop was needed by many dairy operations, as silos have become empty in many areas of the State. Windy days have kept spraying to a minimum, statewide. There were many reports of corn emerged; corn averaged 1.0 inch in height. Some early-planted corn in Oconto County was observed rotting in the fields. Some farmers in Lincoln, Columbia, Dane, Dodge, and Crawford Counties had to replant corn. Soybean acreage increased twenty points from last week to 90% in the ground, compared with 52% 1996, 68% avg. Some soybeans had to be replanted in Brown County. Winter rye and winter wheat were in good condition in Marquette County. Pasture feed 3% very poor, 16% poor, 37% fair, 40% good, 4% excellent. Pastures were reported short in many counties due to the dry, cool weather. Apple trees were in full bloom in Marathon County. Potatoes were up in Adams and Waushara Counties. A Wood County reporter commented that cranberry growers continue to frost-protect their crop, as nighttime temperatures last week ranged from 10 to 15 degrees.

WYOMING: Days suitable for fieldwork 4.9. Topsoil 5% short, 89% adequate, 6% surplus. Winter wheat 72% jointed, 81% 1996, 81% avg. Winter wheat insect infestation mostly light. Barley 88% emerged, 89% 1996, 88% avg.; 43% jointed, 29% 1996, 34% avg. Oats 74% emerged, 72% 1996, 77% avg.; 25% jointed, 14% 1996, 17% avg. Spring wheat 78% emerged, 72% 1996, 80% avg.; 19% jointed, 16% 1996, 22% avg. Sugar beets 95% emerged, 92% 1996, 92% avg. Corn 80% emerged, 70% 1996, 67% avg. Dry beans 66% planted, 55% 1996, 46% avg.; 13% emerged, 5% 1996, 9% avg. Range, pasture feed 2% poor, 20% fair, 62% good, 16% excellent. Range flock ewes lambbed 79%, 81% 1996, 83% avg. Livestock in mostly good condition. Stock water supplies mostly adequate.

May 1997

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

International Weather and Crop Summary

May 25 - 31, 1997

HIGHLIGHTS

FSU-WESTERN: Frequent rain and cool weather favored winter grain development in Ukraine, Russia, and Belarus, but hampered summer crop planting.

FSU-NEW LANDS: Rain continued to slow spring grain planting in the Urals, while several days of warm, dry weather in Western Siberia and Kazakstan favored rapid planting progress.

EUROPE: Late-season rain benefited summer crops in Spain, while drenching rain in southeastern Europe likely caused some flooding.

AUSTRALIA: Scattered showers maintained generally favorable conditions for emerging winter grains.

SOUTH ASIA: Unseasonable rain spread across the north and east, hampering seasonal rice activities.

CANADA: Prairie spring grain and oilseed planting progressed, aided by improved weather over Manitoba.

SOUTHEAST ASIA: Widespread showers continued to ease dryness across Thailand and the Philippines.

EASTERN ASIA: Rain maintained favorable moisture for summer crops across China, Japan, and the Korean Peninsula.

SOUTH AMERICA: Rain continued to increase topsoil moisture for germinating winter wheat in southern Brazil, while central Argentina experienced cool, dry weather.

MEXICO: Warmer, drier weather prevailed across northern Mexico.

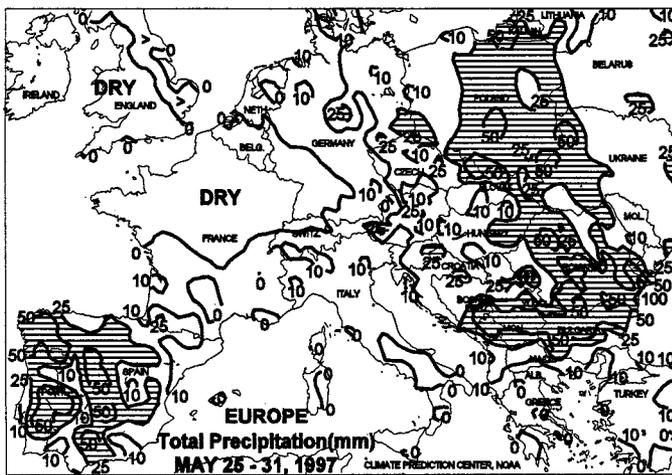
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	13	4	20	-2	8	-1.1	126	64
SWEDEN	STOCKHOLM	14	4	19	-1	9	-1.5	63	33
FINLAND	HELSINKI	13	3	22	-2	8	-1.6	40	5
UKINGDO	GLASGOW	15	6	24	-3	11	-0.8	67	-4
	EDINBURGH	15	6	24	-2	10	0.3	119	69
	BIRMINGHAM	17	6	24	0	11	0.5	76	21
	LONDON	18	7	26	-2	12	0.9	62	6
IRELAND	DUBLIN	15	6	20	0	10	-0.4	64	9
ICELAND	REYKJAVIK	9	4	12	-4	6	-0.1	52	8
DENMARK	COPENHAGEN	14	6	20	2	10	-1.9	90	48
LUXEMBO	LUXEMBOURG	18	9	27	0	13	1.1	84	9
SWITZERL	ZURICH	19	9	26	3	14	1.5	65	-42
	GENEVA	20	10	27	4	15	1.9	137	63
FRANCE	PARIS/ORLY	20	10	27	1	15	***	111	**
	STRASBOURG	21	10	29	5	15	1.7	62	-15
	BOURGES	20	10	26	0	15	1.6	111	31
	BORDEAUX	23	13	31	4	18	3.4	171	95
	TOULOUSE	23	12	30	4	18	3.0	97	23
	MARSEILLE	24	14	31	8	19	1.9	13	-30
SPAIN	VALLADOLID	21	9	29	1	15	1.5	117	71
	MADRID	23	11	30	2	17	0.2	73	33
	SEVILLE	26	15	33	10	21	0.8	24	-16
PORTUGA	LISBON	22	14	30	10	18	0.5	104	62
GERMANY	HAMBURG	17	8	27	2	12	0.2	118	61
	BERLIN	19	9	29	2	14	-0.2	103	46
	DUSSELDORF	18	9	29	2	13	-0.5	134	74
	LEIPZIG	19	9	30	2	14	1.1	68	17
	DRESDEN	19	9	28	1	14	0.7	110	47
	STUTTGART	19	8	28	1	14	0.8	83	4
	NURNBERG	20	7	29	-1	13	0.2	52	-13
AUSTRIA	VIENNA	21	10	28	5	15	0.3	92	30
	INNSBRUCK	21	8	29	-1	14	1.0	82	-10
CZECHRE	PRAGUE	19	7	28	1	13	0.4	85	7
POLAND	WARSAW	19	9	30	2	14	0.4	77	20
	LODZ	18	9	28	2	13	0.2	87	36
	KATOWICE	19	9	29	2	14	1.1	91	23
	PRZEMYSL	19	9	28	2	14	1.0	88	12
HUNGARY	BUDAPEST	22	12	30	7	17	1.1	70	16
YUGOSLA	BELGRADE	24	13	31	7	18	1.0	77	5
ROMANIA	BUCHAREST	25	9	32	4	17	0.7	111	40
BULGARIA	SOFIA	22	10	30	6	16	1.5	98	23
ITALY	MILAN	26	14	32	6	20	3.3	21	-75
	VERONA	24	12	30	4	18	0.9	35	-50
	VENICE	22	13	30	8	18	1.0	39	-27
	GENOA	21	16	30	11	19	1.2	47	-61
	ROME	24	10	28	5	17	-0.2	42	7
	NAPLES	25	14	30	8	19	1.6	18	-34
GREECE	THESSALONIKA	26	13	33	8	20	0.4	8	-39
	LARISSA	27	11	35	6	19	-0.3	30	-7
	ATHENS	26	17	30	12	21	0.7	6	-17
TURKEY	ISTANBUL	21	13	29	8	17	1.5	21	-9
	ANKARA	22	8	28	0	15	-1.6	52	10
CYPRUS	LARNACA	27	16	33	10	21	0.8	5	-6
ESTONIA	TALLINN	13	3	24	-2	8	-1.6	37	3
LITHUANI	KALINAS	17	7	26	0	12	-0.8	81	26
BELARUS	MINSK	18	7	27	0	12	-0.9	88	27
RUSSIA	KAZAN	16	7	27	2	12	-1.7	107	72
	MOSCOW	16	6	25	0	11	-1.8	42	-12
	YEKATERINBURG	17	7	30	0	12	1.2	104	61
	OMSK	20	8	33	-3	14	2.3	45	13
	NOVOSIBIRSK	18	7	30	-2	12	2.9	59	26
	BARNAUL	21	8	30	-5	14	2.2	46	7
	KHABAROVSK	19	6	31	1	13	0.8	87	29
	VLADIVOSTOK	13	7	20	4	10	0.4	356	287
	SARATOV	19	11	28	3	15	0.1	186	137
	VOLGOGRAD	22	10	30	1	16	-0.3	99	68
	ROSTOV	23	12	30	5	18	0.6	71	18
	ASTRAKHAN	26	13	33	5	19	1.1	39	15
	KRASNODAR	25	12	30	4	18	1.0	116	53
	ORENBURG	20	9	32	1	15	-0.7	105	78

Based on Preliminary Reports

May 1997

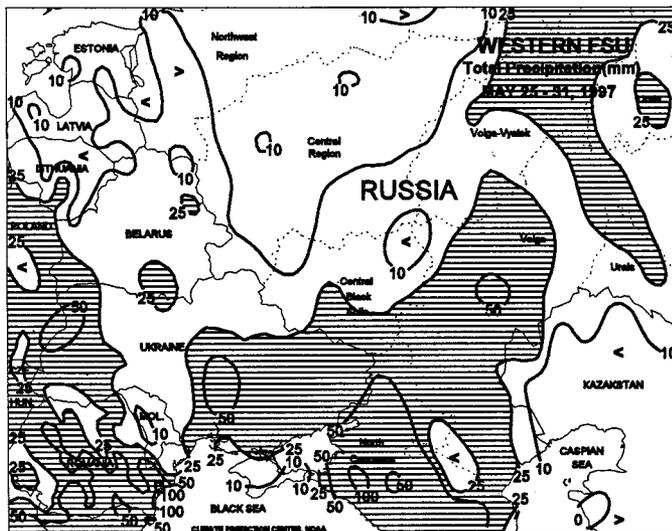
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)			
	AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NRM	TOTAL		DPART F/NRM	AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NRM	TOTAL	DPART F/NRM
KAZAKHS TSELINOGRAD	21	10	36	-3	15	2.9	121	95	ZAMBIA LUSAKA	**	**	27	6	**	**	0	-1
KARAGANDA	20	10	35	0	15	1.8	121	86	ZIMBABW HARARE	23	10	25	5	16	0.9	0	-10
GEORGIA TBILISI	25	13	30	7	19	2.2	128	50	S AFRICA PRETORIA	20	7	25	3	14	-0.7	89	76
UZBEKIST TASHKENT	26	14	33	7	20	-0.5	80	34	JOHANNESBURG	17	5	25	-2	11	-1.6	98	84
TURKMEI ASHKHABAD	30	17	39	10	23	0.3	68	40	BETHAL	18	3	23	-3	10	-1.1	74	55
SYRIA DAMASCUS	32	11	36	5	22	1.2	17	12	DURBAN	23	14	27	10	18	-0.7	42	-20
ISRAEL JERUSALEM	27	14	35	8	21	1.3	17	13	CAPE TOWN	21	9	29	3	15	1.0	74	7
PAKISTAN KARACHI	35	26	41	23	30	-0.3	3	3	CANADA TORONTO	15	5	20	0	10	-2.6	66	0
INDIA AMRITSAR	**	19	41	13	**	**	23	4	MONTREAL	16	5	25	-2	11	-2.2	78	9
NEW DELHI	38	24	42	20	31	-1.8	55	31	WINNIPEG	15	1	30	-7	8	-3.6	41	-18
AHMEDABAD	41	26	44	21	33	-0.7	9	-6	REGINA	18	3	30	-4	11	-0.8	7	-44
INDORE	40	24	43	19	32	-0.7	1	-17	SASKATOON	17	3	30	-4	10	-1.4	26	-18
CALCUTTA	36	26	39	21	31	-0.6	130	48	LETHBRIDGE	18	3	29	-4	11	-0.6	82	32
VERAVAL	32	25	33	22	29	0.2	0	-2	CALGARY	16	3	27	-3	9	-0.5	101	48
BOMBAY	33	26	35	24	30	-0.1	0	-20	EDMONTON	17	6	26	0	11	-0.4	47	3
POONA	37	21	40	9	29	-1.1	4	-41	VANCOUVER	18	10	24	4	14	2.0	76	14
BEGAMPET	39	26	42	17	33	0.0	20	-14	MEXICO GUADALAJARA	**	**	33	13	**	**	**	**
VISHAKHAPATNAM	33	28	38	25	30	**	9	**	MEXICO CITY	24	13	30	10	18	-0.1	69	18
MADRAS	39	27	43	26	33	0.2	2	-27	ACAPULCO	33	25	36	22	29	0.7	0	-21
MANGALORE	35	26	37	23	30	1.2	4	-229	BERMUDA ST. GEORGES	23	20	26	16	22	-0.6	298	195
HONGKO KINGS PEAK	28	24	31	20	26	**	337	**	BAHAMAS NASSAU	31	22	34	20	27	1.4	124	11
N KOREA PYONGYANG	19	10	25	3	14	-0.1	289	212	JAMAICA KINGSTON	32	26	33	23	29	1.0	51	-17
S KOREA SEOUL	22	14	28	9	18	1.2	312	225	P RICO SAN JUAN	31	24	34	22	28	0.3	86	-59
JAPAN SAPPORO	16	9	26	3	12	0.4	120	65	GUADELO RAIZET	32	24	32	21	28	1.2	107	8
NAGOYA	24	15	32	9	19	0.9	187	29	MARTINIQ LAMENTIN	30	24	32	22	27	1.1	164	49
TOKYO	23	16	28	11	20	0.9	233	95	BARBADO BRIDGETOWN	31	25	31	22	28	0.3	133	81
YOKOHAMA	23	16	29	10	19	1.1	225	61	TRINIDAD PORT OF SPAIN	32	24	33	22	28	0.8	127	30
KYOTO	25	15	32	8	20	1.5	202	48	COLOMBI BOGOTA	20	9	23	4	14	0.4	66	-17
OSAKA	25	16	30	10	20	1.0	149	9	VENEZUE CARACAS	31	25	34	24	28	1.3	4	-33
THAILAND PHETCHABUN	36	25	39	23	31	1.2	72	-88	F GUIANA CAYENNE	30	23	32	22	26	0.5	644	35
BANGKOK	36	28	37	24	32	1.9	89	-132	BRAZIL FORTALEZA	30	23	31	23	26	0.1	180	-67
MALAYSIA KUALA LUMPUR	34	25	39	24	29	2.2	140	-52	RECIFE	29	23	30	22	26	0.1	444	138
VIETNAM HANOI	32	26	35	23	29	1.2	304	108	BELO HORIZONTE	24	16	28	13	20	-0.5	37	9
CHINA HARBIN	20	9	32	2	14	0.4	73	37	CAMPO GRANDE	28	17	32	10	22	0.7	67	-61
HAMI	30	15	36	5	23	2.3	10	7	FRANCA	23	15	28	12	19	2.5	97	39
LANCHOW	26	13	32	10	20	2.9	33	-5	RIO DE JANEIRO	**	**	26	17	**	**	**	**
BEIJING	25	14	32	8	20	-0.6	77	49	LONDRINA	25	14	31	10	19	0.2	101	-1
TIENTSIN	25	15	32	9	20	-0.3	54	21	SANTA MARIA	23	11	31	2	17	0.8	113	-16
LHASA	19	8	24	1	13	0.3	40	14	PORTO ALEGRE	23	11	30	3	17	0.0	0	-115
KUNMING	25	15	30	10	20	0.9	46	-46	PERU LIMA	26	20	30	18	23	4.0	1	0
CHENGCHOW	27	16	36	10	21	0.5	89	36	BOLVIA LA PAZ	13	-2	15	-6	5	-2.3	16	3
YECHANG	28	19	36	15	24	1.9	177	54	CHILE SANTIAGO	19	6	29	-1	13	1.8	101	81
HANKOW	29	21	35	15	25	3.1	90	-59	ARGENTIN IGUAZU	24	14	33	4	19	**	394	**
CHUNGKING	28	20	36	15	24	**	182	**	FORMOSA	26	16	34	7	21	2.0	100	-18
CHIHKIANG	28	18	34	14	23	1.8	230	22	CERES	25	11	34	0	18	1.8	40	11
WU HU	29	19	35	11	24	**	145	**	CORDOBA	23	10	35	-1	17	2.3	2	-20
SHANGHAI	27	19	34	10	23	**	113	**	RIO CUARTO	21	10	30	1	16	2.6	4	-20
NANCHANG	28	21	33	16	24	2.0	237	-18	ROSARIO	22	11	33	-2	17	2.8	43	-5
TAIPEI	29	22	34	19	26	1.3	235	16	BUENOS AIRES	21	10	30	-2	16	2.7	68	-7
CANTON	30	23	34	19	26	0.9	216	-50	SANTA ROSA	20	8	29	-3	14	3.0	81	53
NANNING	30	23	33	20	27	0.8	274	86	TRES ARROYOS	19	9	29	1	14	3.3	54	-12
CANARY I LAS PALMAS	24	19	26	16	22	1.8	1	-2	NEW NOUMEA	26	21	30	18	23	0.9	87	-4
MOROCC CASABLANCA	22	16	30	11	19	1.6	0	-20	FIJI NAUSORI	27	21	31	16	24	0.2	164	-91
MARRAKECH	27	15	36	11	21	0.6	24	2	SAMOA PAGO PAGO	**	**	32	24	**	**	**	**
ALGERIA ALGER	25	15	37	5	20	1.8	24	-12	TAHITI PAPEETE	30	24	31	20	27	0.7	235	142
BATNA	28	11	35	1	20	3.6	8	-31	AUSTRALI DARWIN	31	23	33	19	27	-0.5	97	69
TUNISIA TUNIS	28	16	36	11	22	2.6	0	-22	BRISBANE	22	14	25	9	18	-0.9	156	58
NIGER NIAMEY	39	28	42	23	34	-0.1	50	15	PERTH	20	11	27	7	16	-0.2	93	-11
MALI TIMBUKTU	41	**	45	19	**	**	0	-4	CEDUNA	19	8	30	4	14	-1.1	52	17
BAMAKO	36	25	40	22	31	-0.5	254	202	ADELAIDE	17	9	25	5	13	-1.0	57	1
MAURITAN NOUAKCHOTT	37	22	44	16	29	3.9	0	0	MELBOURNE	15	8	23	3	12	-0.9	45	-12
SENEGAL DAKAR	27	21	33	18	24	1.4	0	0	WAGGA	18	8	26	-1	13	0.7	57	-3
CHAGOS DIEGO GARCIA	30	26	32	24	28	0.5	183	-7	CANBERRA	16	4	24	-3	10	0.5	29	-16
LIBYA TRIPOLI	31	17	39	10	24	1.4	0	-4	INDONESI DJAKARTA	33	24	36	18	28	1.1	147	**
BENGHAZI	28	17	39	10	23	0.0	0	-3	PHILIPPI MANILA	33	27	36	21	30	0.3	451	325
EGYPT CAIRO	33	19	41	15	26	0.7	1	1									
ASWAN	39	25	43	18	32	1.1	0	0									
ETHIOPIA ADDIS ABABA	26	11	29	8	19	0.7	12	-65									
KENYA NAIROBI	24	14	25	10	19	0.1	126	15									
TANZANIA DAR ES SALAAM	29	22	31	19	25	-0.1	118	-37									
GABON LIBREVILLE	30	23	35	21	**	**	145	-123									
TOGO LOME	32	**	35	21	**	**	120	-28									
BURKINA OUAGADOUGOU	37	27	41	23	32	0.3	37	-35									
COTE D'I ABIDJAN	31	25	33	22	28	0.5	172	-104									
MOZAMBI MAPUTO	26	16	30	11	21	-0.7	22	-8									

Based on Preliminary Reports



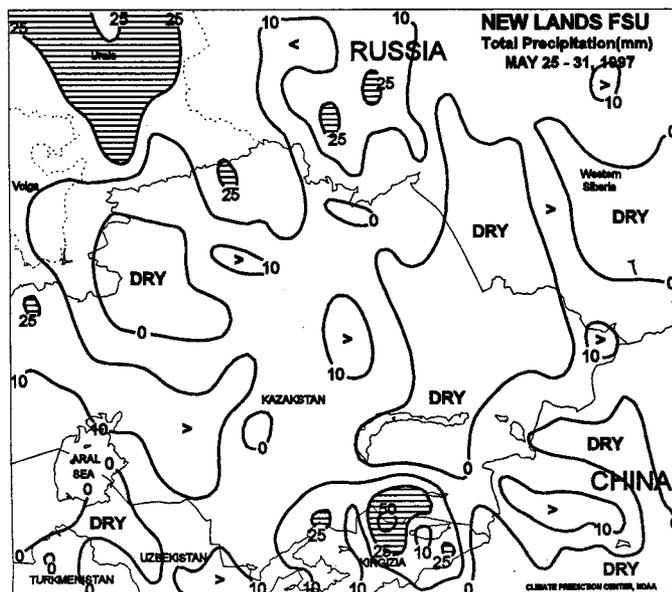
EUROPE

Mostly dry weather prevailed over England, France, the Benelux countries, western Germany, and Italy's Po Valley. Although soil moisture was adequate for normal crop development in most areas, rain was needed in Italy, where soil moisture was limited. In Spain and Portugal, generous rains (30-50 mm, with local amounts in excess of 50 mm) fell in most areas, benefiting spring grains and summer crops, but slowing winter grain maturation and harvesting. In eastern Europe, wet weather (15-50 mm, with local amounts in excess of 50 mm) continued to benefit crops from Poland, southward through the Czech Republic and Slovakia, into Hungary. Widespread heavy rain (50-91 mm) drenched southern Romania, southeastern former Yugoslavia, and Bulgaria, creating the potential for some flooding and lodging of winter grains. Crop progress for winter grains in eastern Europe likely ranged from the jointing stage in northern areas to the heading and flowering stages in the south. Weekly temperatures averaged 4 to 6 degrees C below normal in northern and eastern Europe, and 1 to 3 degrees C above normal in western areas.



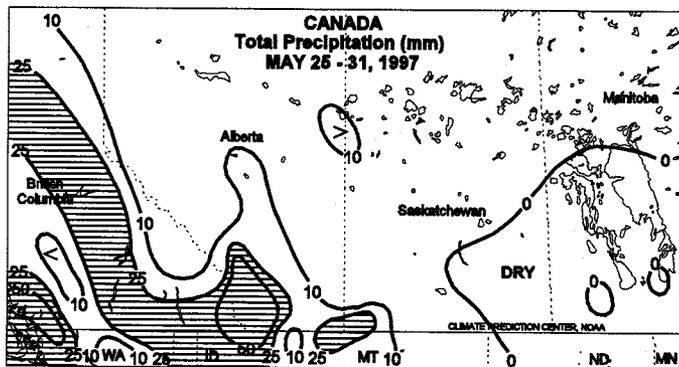
FSU-WESTERN

Frequent showers and cool weather favored crop development over most of the region. In Ukraine, wet weather (20-60 mm) eased developing dryness in southern areas, but may have caused local flooding in central portions of the country. Reports as of May 26 indicated planting of spring grain crops in Ukraine was virtually complete. The rain in Ukraine was especially beneficial for winter wheat, likely advancing through reproduction in the south and nearing the heading stage in the north. In Russia, moderate to heavy rain (20-50 mm, with local amounts in excess of 70 mm) soaked crop areas in the North Caucasus, Volga Valley, and the Central Black Soils Region. Although some localized flooding may have occurred, the rain was beneficial for winter wheat, likely in or nearing the heading stage. However, the rain caused further delays in corn, sugarbeet, and sunflower planting, which was lagging behind last year's pace due to earlier wetness. Farther north in Russia, lesser amounts of rain (around 10 mm) occurred in the Central and Volga Vyatsk regions. In Belarus, light precipitation (10-25 mm) maintained favorable moisture conditions for winter grains, likely in the jointing stage and spring-sown crops in the vegetative stage. Weekly temperatures averaged 4 to 7 degrees C below normal over Ukraine, Russia, Belarus, and the Baltics, slowing crop development.



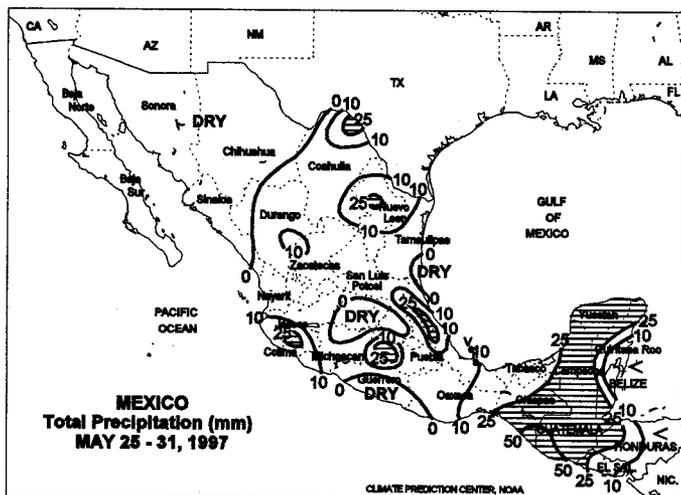
FSU-NEW LANDS

Spring grain planting (oats, spring wheat, and spring barley) was typically underway in Russia and Kazakhstan. In Russia, continued wet weather (10-25 mm, with local amounts in excess of 25 mm) in the Urals caused further delays in spring grain planting, while several days of warm, dry weather in Western Siberia favored rapid planting progress. In Kazakhstan, unseasonably warm, dry weather in most areas favored rapid spring grain planting. Weekly temperatures averaged 6 to 10 degrees C above normal in most of Kazakhstan and Western Siberia, with extreme maximum temperatures ranging from 31 to 35 degrees C. Although the warm weather favored rapid germination of newly planted spring grains, it increased evaporation rates, lowering topsoil moisture.



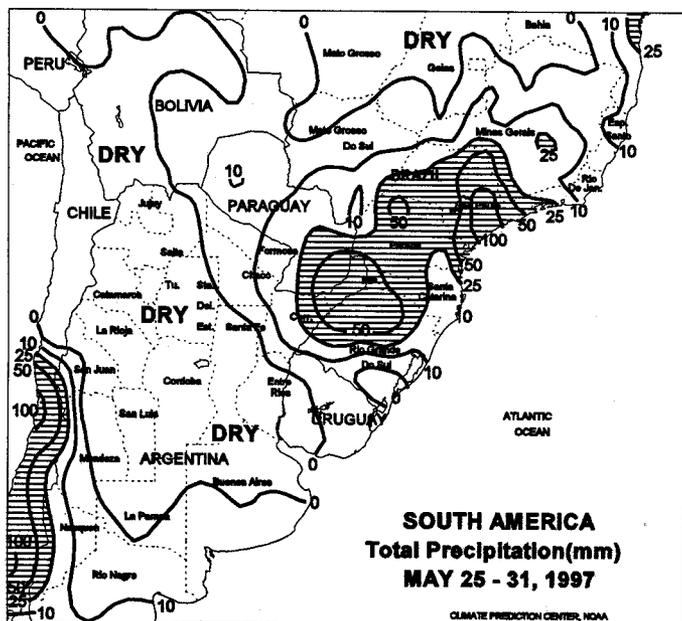
CANADA

Warmer, generally drier weather aided Prairie spring grain and oilseed planting. Conditions were especially favorable in Manitoba, where cold, wet weather so far this season has restricted fieldwork in some districts. Lingering, moderate showers in southern Alberta and neighboring areas of Saskatchewan hampered late plantings but were a boon to farmers in that traditionally drier region. Planting should be winding down soon in most Prairie crop areas. Farther east, moderate showers (10-25 mm) lingered over southern corn and soybean areas of Ontario, keeping many fields too wet for fieldwork. Drier weather elsewhere in crop areas of Ontario and Quebec helped, but below-normal temperatures throughout the region continued to restrict early corn development.



MEXICO

Showers (1-20 mm) tapered off across northern Mexico, as warmer weather prevailed (maximum temperatures ranged from 35-40 degrees C). In central Mexico, scattered showers (5-44 mm) kept topsoils moist for corn planting.

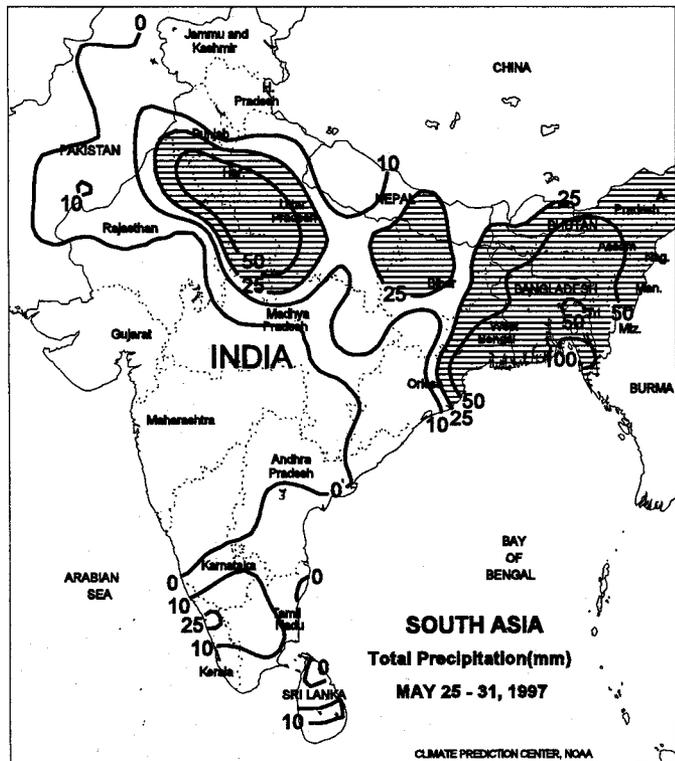


SOUTH AMERICA

Dry, cool weather prevailed across central Argentina. Temperatures averaged 1 to 3 degrees C below normal, as minimum temperatures ranged from 0 to -5 degrees C across the southern half of Buenos Aires province. According to reports as of May 23, soybean harvesting was 92 percent complete, with corn harvesting 85 percent and cotton harvesting 67 percent. The harvest progress of all these crops was ahead of last year's pace. In southern Brazil, widespread rain (25-75 mm) reached from Rio Grande do Sul northeastward into Minas Gerais, increasing topsoil moisture for germinating winter wheat and benefiting second-season crops. Temperatures ranged from near to slightly below normal across southern Brazil.

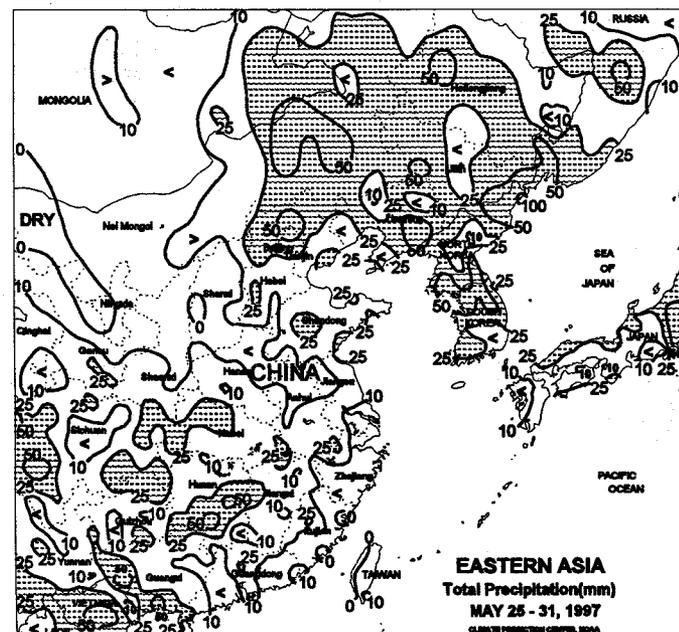
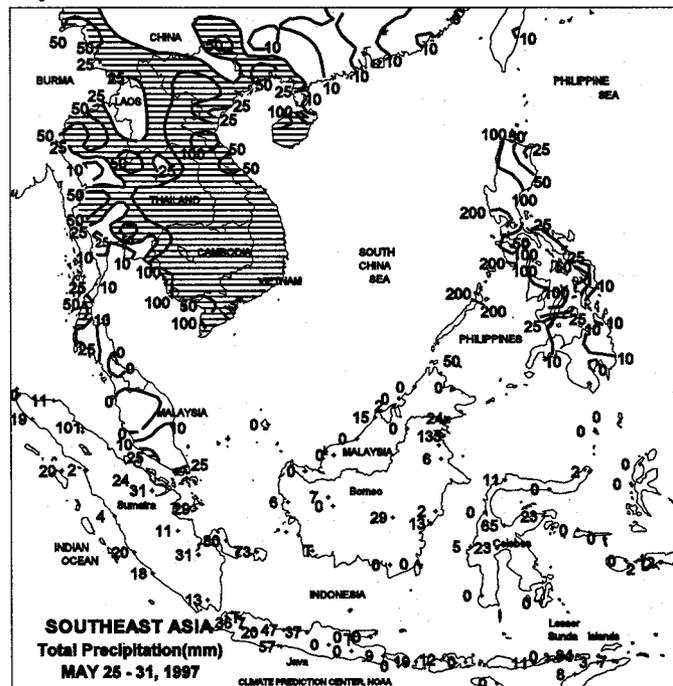
SOUTH ASIA

Unseasonably heavy rain (25-50 mm, exceeding 100 mm locally) fell across northern and eastern India and Bangladesh. The rain in the far east hampered fieldwork in major rice areas and worsened local flooding following last week's cyclone. The region's winter wheat harvest should have been virtually complete, but any outside storage would have been affected. Temperatures averaged below normal across the rainy north and east, although weekly highs reached seasonably high levels from the upper 30's to middle 40's C across the region. Southern India awaits the onset of the southwest monsoon, which typically arrives in early June.



SOUTHEAST ASIA

In Thailand, widespread showers (10-60 mm) continued to ease dryness and favor rainfed rice, especially in the east. Likewise, showers (40-100 mm, with isolated amounts greater than 150 mm) brought relief to the northern and central Philippines, aiding main-season rice and corn. Showers (20-80 mm) maintained rice moisture supplies in Vietnam. Light to moderate showers (5-40 mm) fell across Java, causing no serious delays to the main-season rice harvest. Below-normal rainfall (less than 15 mm) continued across peninsular Thailand and Malaysia, reducing moisture supplies for oil palm. This region typically receives 30 to 50 mm per week during mid to late May.



EASTERN ASIA

Rain (10-35 mm) again covered Manchuria, increasing topsoil moisture for vegetative spring wheat and germinating corn and soybeans. After a week's respite, rain (10-35 mm) returned to the North China Plain, favoring vegetative summer crops and late-filling winter wheat. Lighter rain (5-50 mm) fell across the Yangtze Valley and southern China, easing some of the excessive wetness, especially across the extreme southern provinces. This rain, however, still maintained favorable moisture for summer crops and rice. Temperatures averaged 1 to 2 degrees C below normal across most of China except for the Yangtze Valley and northern Manchuria (1-3 degrees C above normal). Widespread rain (20-40 mm) maintained adequate to abundant moisture supplies for transplanted rice across the Korean Peninsula and Japan. Temperatures across these regions averaged 1 to 2 degrees C below normal.

(Continued on back cover)

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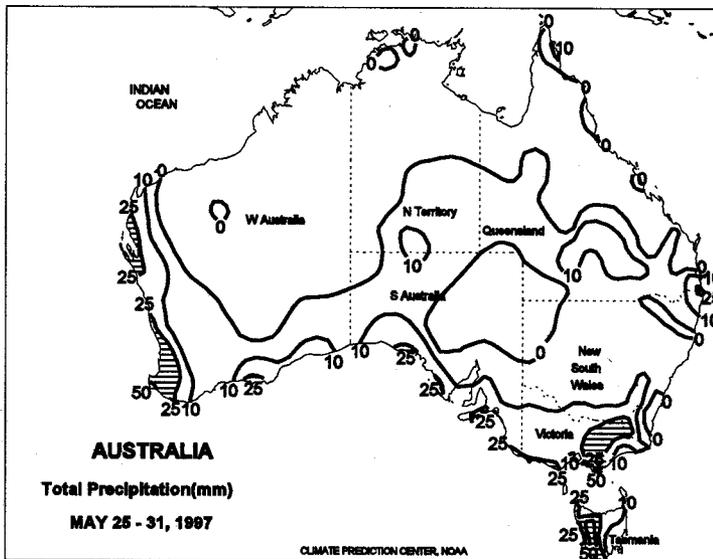
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(Continued from page 23)

AUSTRALIA

Light to moderate showers (2-25 mm) continued throughout primary winter grain areas, keeping topsoil moisture adequate for germination. Rainfall exceeding 10 mm was especially welcomed over much of Victoria and South Australia, where seasonal moisture deficits have threatened crop prospects. Temperatures averaged near normal in western and southeastern winter grain areas, with some possibility of localized frost. Temperatures averaged slightly above normal in southern Queensland. In New Zealand, light to moderate showers (10-38 mm) covered the main agricultural areas.



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