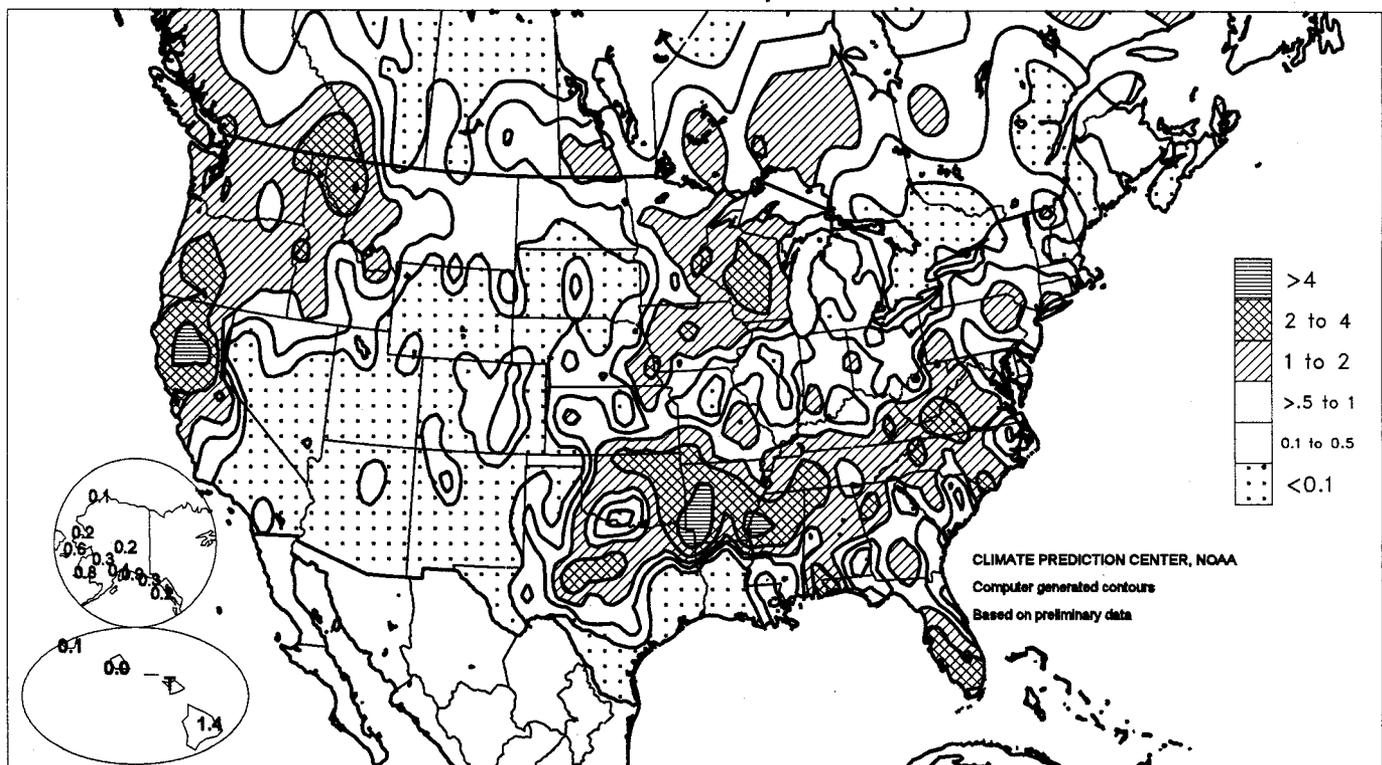


WEEKLY WEATHER AND CROP BULLETIN

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 24 - 30, 1998



HIGHLIGHTS

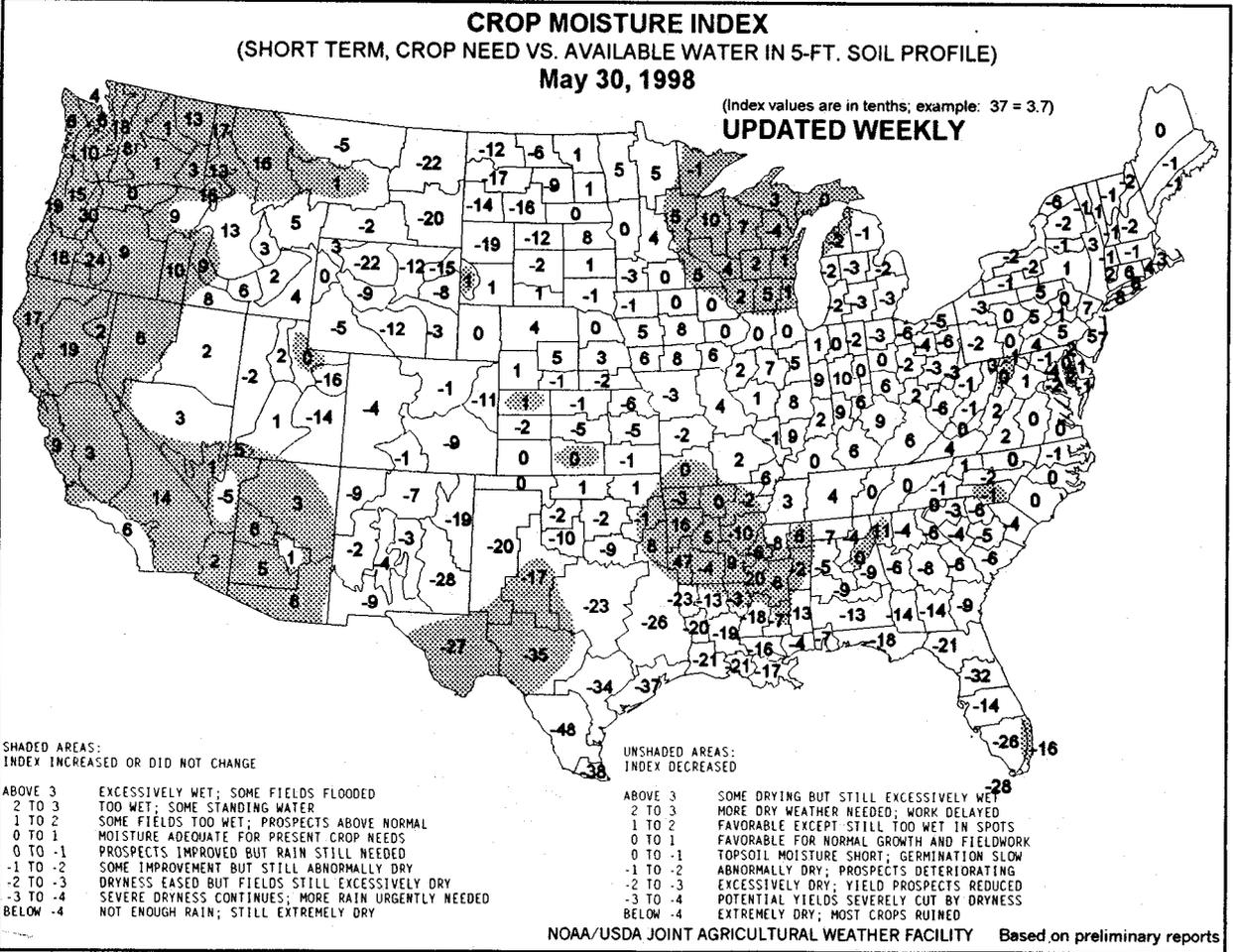
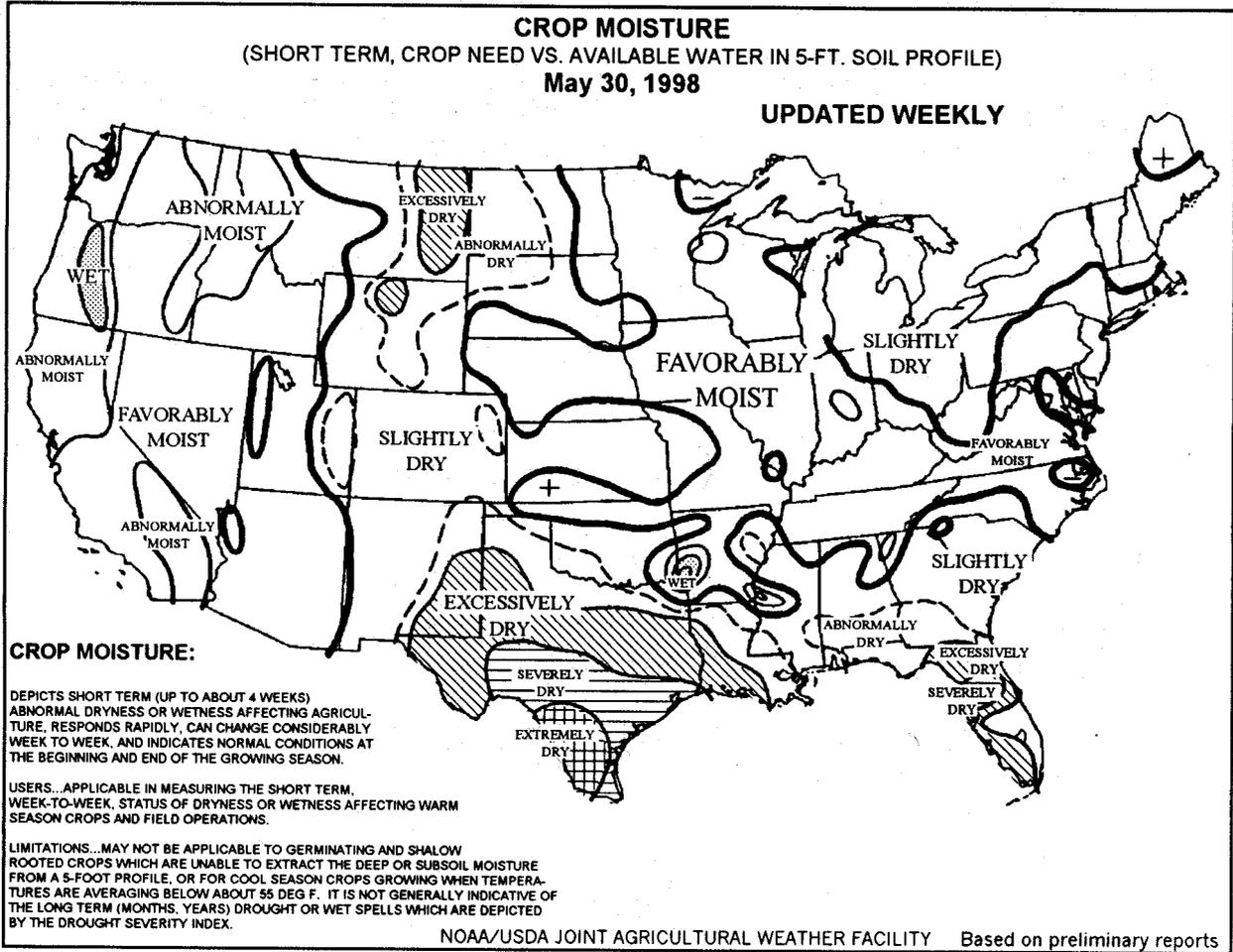
May 24 - 30, 1998

Heat and dryness intensified across the South, capping a record-hot May in some areas, while exceptionally cool and stormy weather continued in the West Coast States as far south as central California. Weekly temperatures averaged 2 to 9°F above normal in an increasingly dry swath from eastern New Mexico to the southern Atlantic Coast, but were as much as 15°F below normal in northern California. Heavy rain caused localized flooding in the Northwest, while rain showers boosted soil moisture in the northern Plains, upper Midwest, and interior Southeast. Showers and thunderstorms delivered localized relief from a 10-week dry spell to parts of central Texas and Peninsular Florida.

(Continued on page 3)

Contents

Crop Moisture Maps	2
Temperature Departure & Extreme Maximum Temperature Maps	4
Soil Temperature & Pan Evaporation Maps	5
Growing Degree Day Maps	6
National Weather Data for Selected Cities	7
National Agricultural Summary	10
Crop Progress and Condition Tables	11
State Agricultural Summaries	14
International Weather and Crop Summary	20
Subscription Information	24



(Continued from front cover)

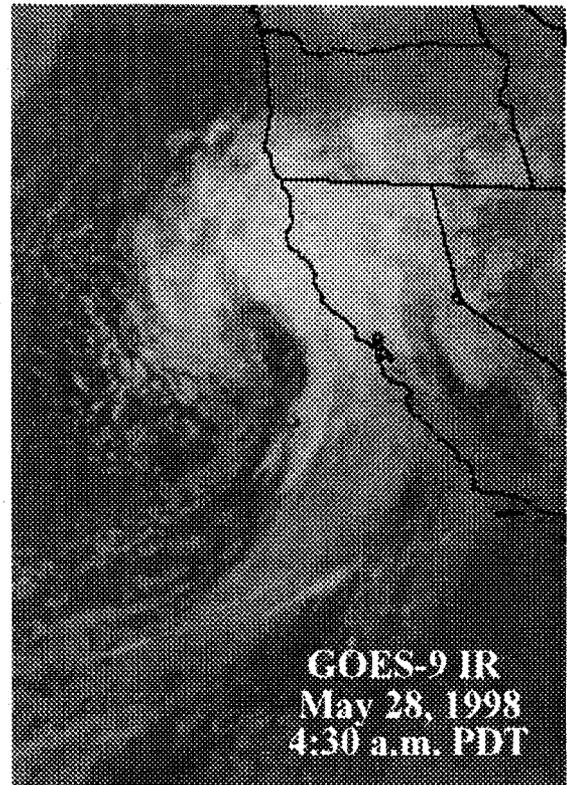
Late-season storminess continued to engulf the Northwest for most of the week. On Tuesday, highs struggled to 48°F in Lewiston, ID and 53°F in Redding, CA. A day later, Pomeroy, WA reported a high of 45°F. Also on Wednesday, several locations reported their greatest May calendar-day rainfall on record, including Sandpoint, ID (2.95 inches). In California, daily-rainfall records were established on May 28 in Red Bluff (1.88 inches) and downtown Sacramento (1.27 inches). Farther inland, May 25-26 snowfall reached 10 inches in Austin, NV. On Wednesday, Winnemucca, NV logged a daily-record-tying low of 25°F.

Seasonal (July 1, 1997, to date) rainfall reached 47.07 inches (including 3.93 inches in May) in downtown San Francisco, CA, second only to a 49.27-inch total in 1861-62. May featured 14 days with measurable rain in Sacramento, CA, eclipsing their May record of 10 days set in 1915. Salem, OR (5.55 inches), Stockton, CA (3.74 inches), and Winnemucca (3.57 inches) were among the locations where May-record rainfall occurred.

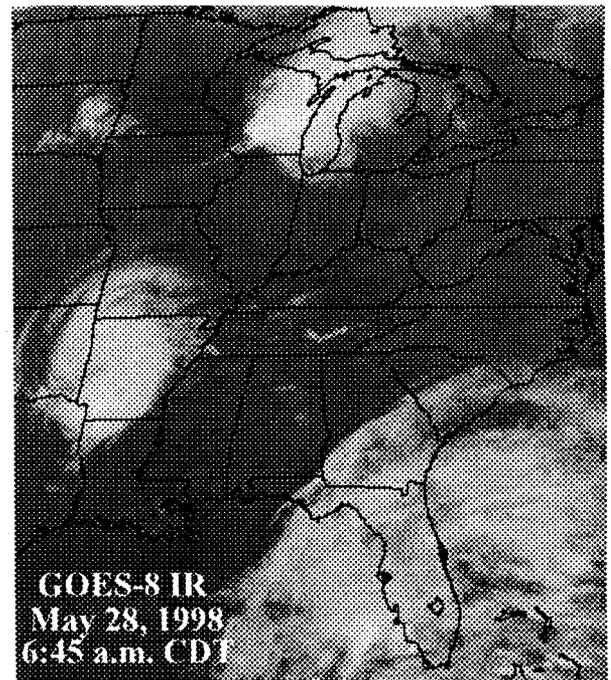
The month's first measurable rain fell on May 26-27 in such Texas locations as San Angelo (1.75 inches), Austin (0.73 inches), and Waco (0.55 inches). On May 27-28, rainfall totaled 1.56 inches in Tampa and 3.90 inches in Ft. Lauderdale, the first significant rain in Peninsular Florida since mid-March. On Thursday, localized thunderstorms in the Arklatex region dumped 10.48 inches on Texarkana, AR, breaking their single-day rainfall record of 6.60 inches, set on July 2, 1940. Despite the scattered rainfall, very hot weather persisted across the South. More than two dozen daily-record highs were set after midweek, including the first triple-digit heat in Amarillo, TX (101°F on May 29 and 30) since July 7, 1996. On Saturday, highs soared to 104°F in Midland, TX and 103°F in Lubbock, TX, and topped 100°F as far north as Concordia, KS (102°F). The late-month heat helped to wrap up the hottest May on record in locations such as Abilene, TX (79.2°F) and Little Rock, AR (76.2°F). In contrast, the mercury failed to reach triple digits in Phoenix, AZ through the end of May, their first such occurrence since 1971.

At week's end, locally severe thunderstorms accompanied otherwise beneficial rains across the North. Preliminary data indicated that two dozen tornadoes (12 in South Dakota, eight in Iowa, and four in Wisconsin) struck on Saturday, including one that nearly destroyed the town of Spencer, SD, killing six people there. In addition, thunderstorm winds were clocked to 77 mph in St. Paul, MN and 75 mph in LaCrosse, WI.

Generally dry conditions returned to Hawaii, maintaining drought conditions in some areas. During the first 5 months of 1998, only 1.71 inches (16 percent of normal) dampened Honolulu. In Alaska, weekly temperatures averaged up to 10°F above normal. Daily-record highs were set in Barrow (43°F on Thursday) and Northway (81°F on Wednesday). Across the south, Kodiak notched a daily-record rainfall (2.14 inches) on Friday.

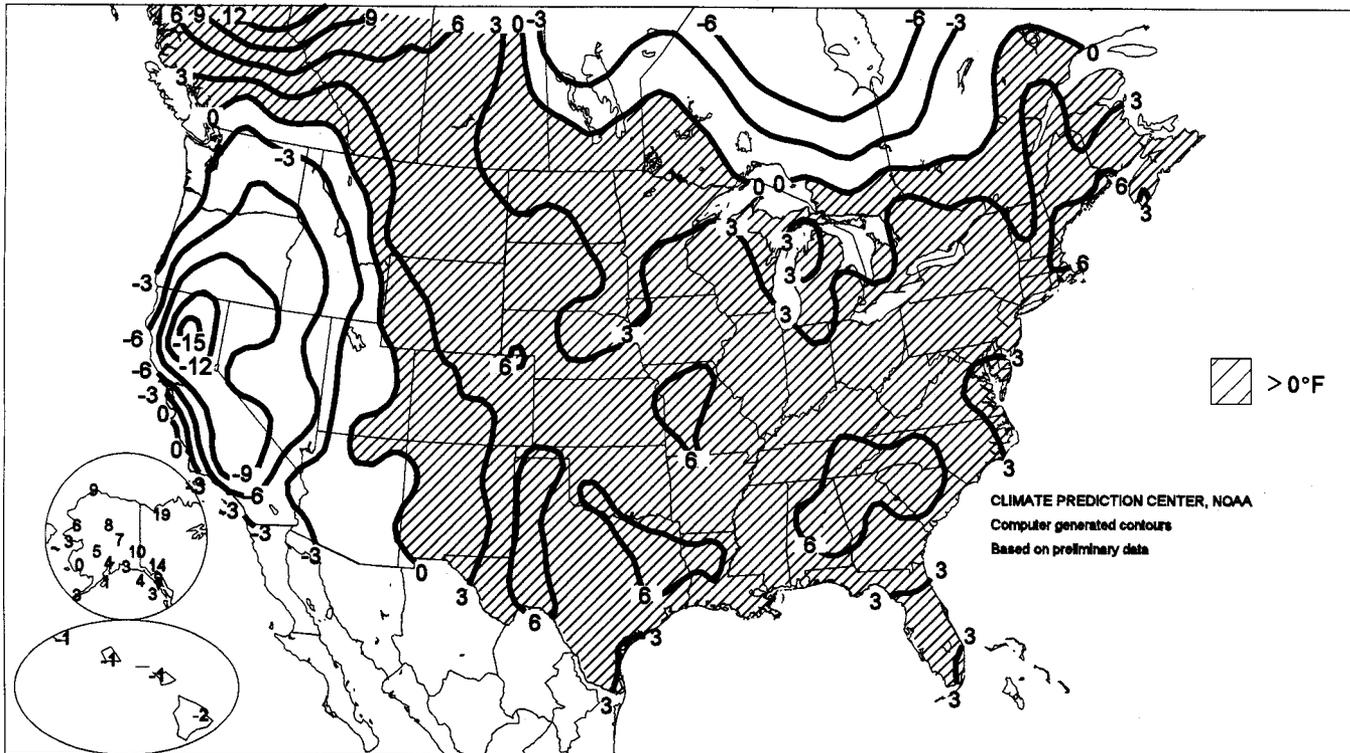


West-Coast Storm: The latest in an unusual series of May storms strikes California, helping to boost monthly rainfall to May-record levels in locations such as Richmond (3.75 inches) and Salinas (2.39 inches).

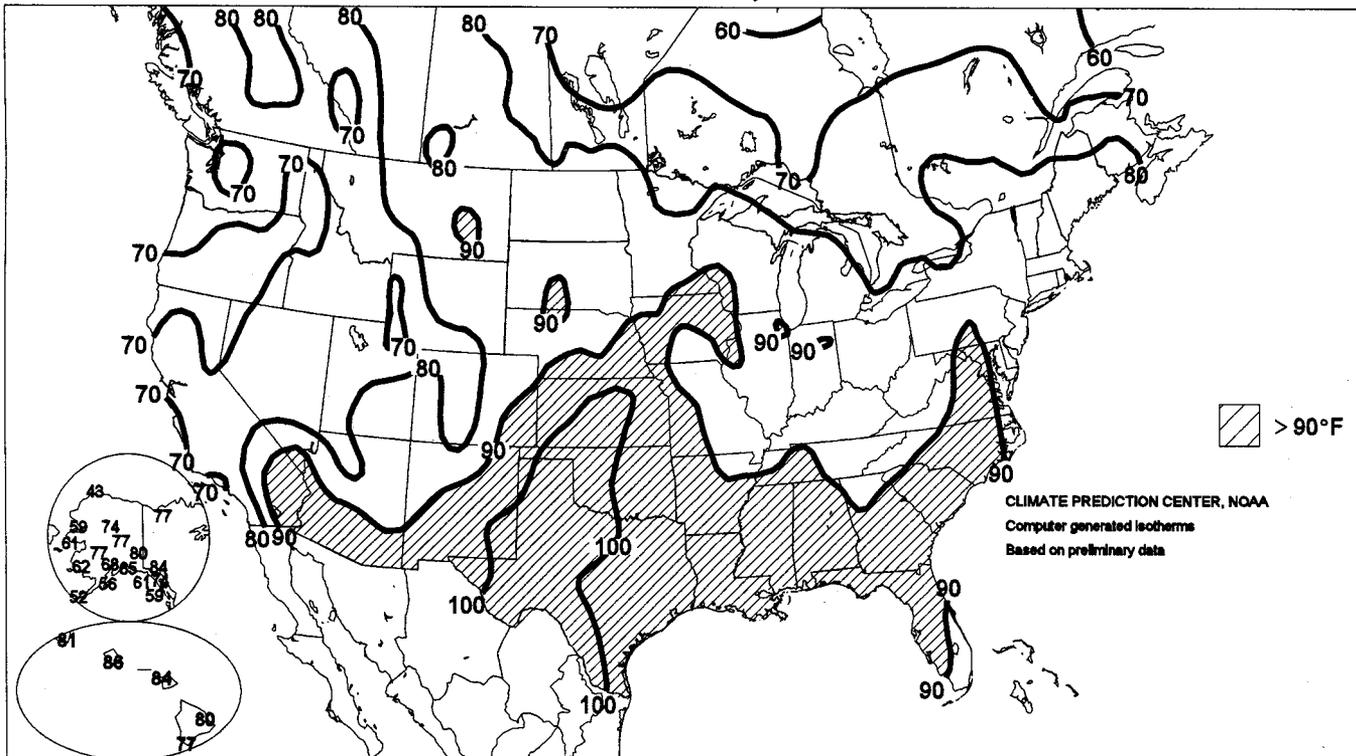


Eastern Systems: Meanwhile in the East, features include clusters of thunderstorms in the Great Lakes and Arklatex regions, and beneficial rainfall in Florida.

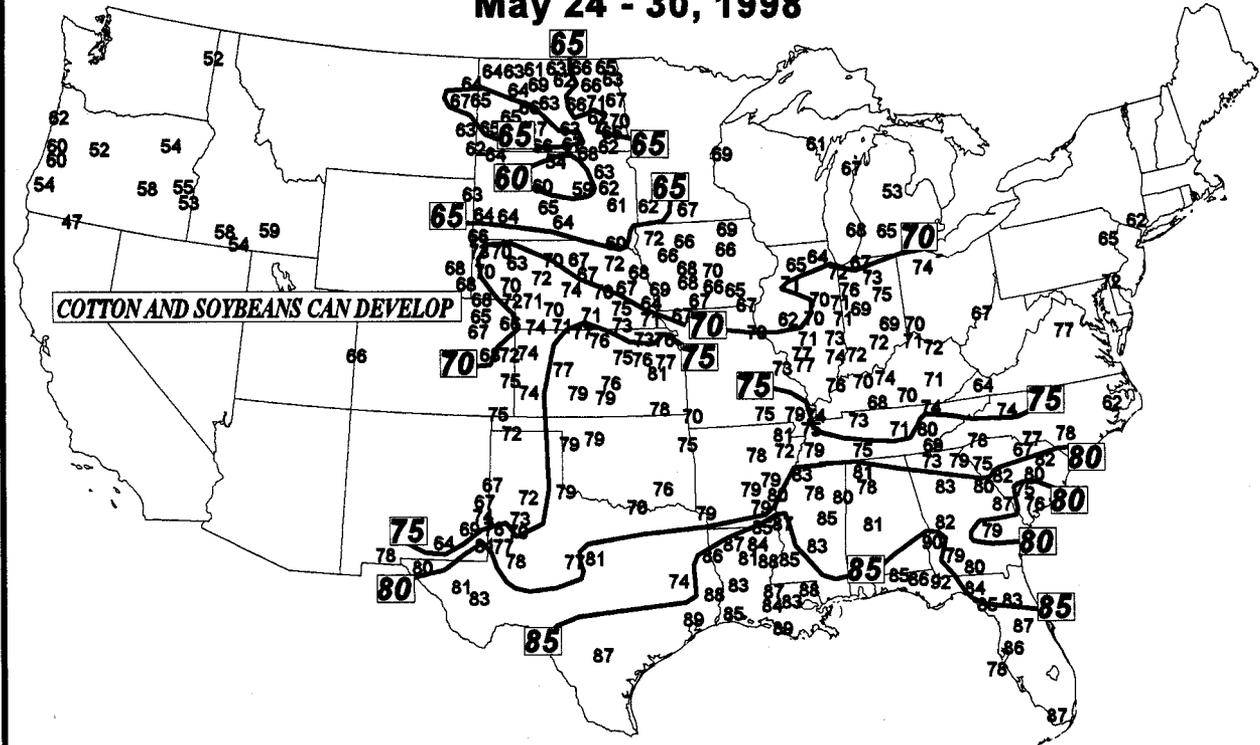
Departure of Average Temperature from Normal (°F) MAY 24 - 30, 1998



Extreme Maximum Temperature (°F) MAY 24 - 30, 1998

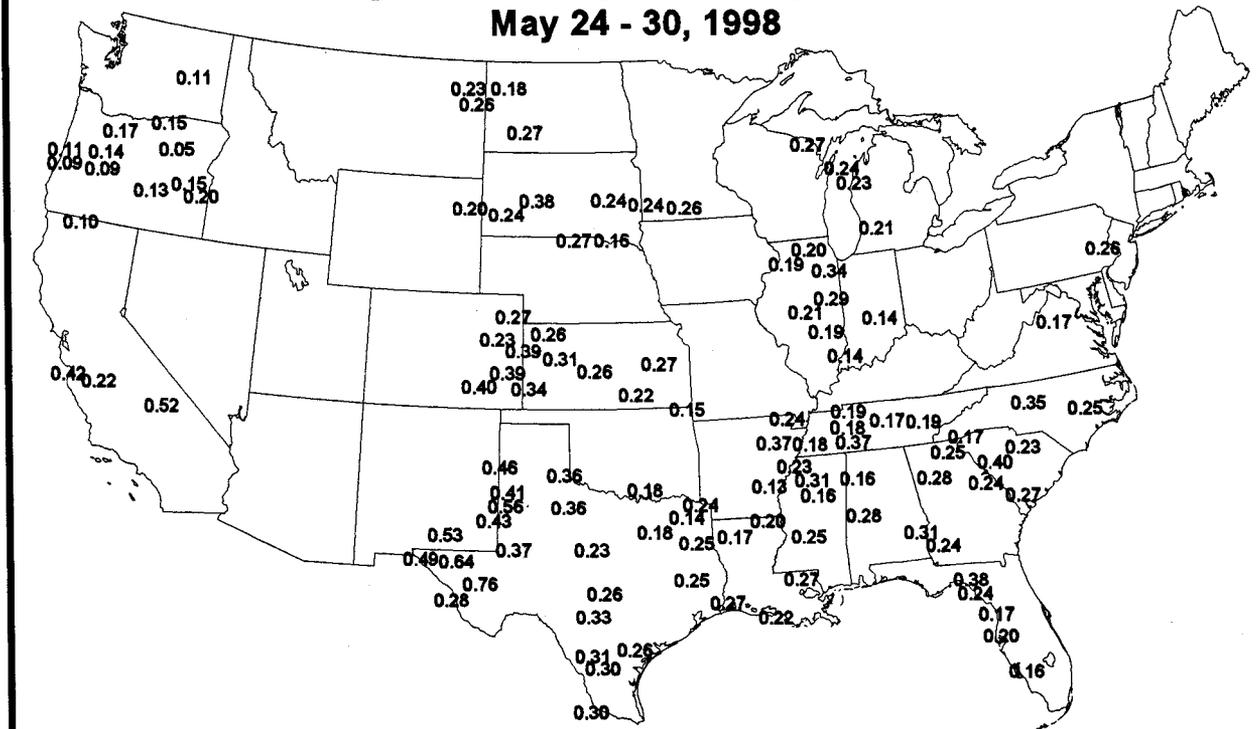


Average Soil Temperature (°F 4-Inch Bare) May 24 - 30, 1998



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Average Pan Evaporation (Inches/Day) May 24 - 30, 1998



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending May 30, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511) and the Southern Regional Climate Center

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 JAN 1	PCT. NORMAL SINCE MAR 1	TOTAL IN. SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP., °F		PRECIP.	
																80 AND ABOVE	82 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
AL BIRMINGHAM	90	68	93	65	79	7	1.12	0.11	0.85	17.46	110	34.03	132	98	54	4	0	2	1
HUNTSVILLE	86	67	91	65	77	5	0.82	-0.29	0.70	10.92	66	25.49	96	96	52	2	0	4	1
MOBILE	89	70	93	68	80	3	1.28	-0.05	1.13	17.98	110	39.18	147	98	58	3	0	3	1
MONTGOMERY	91	70	93	66	80	6	0.90	0.05	0.89	11.19	77	25.08	101	94	48	6	0	2	1
AK ANCHORAGE	61	47	67	40	54	4	0.08	-0.13	0.08	1.11	53	1.74	47	83	48	0	0	1	0
BARROW	38	32	43	26	35	9	0.10	0.07	0.07	0.37	76	0.37	51	97	81	0	5	3	0
FAIRBANKS	72	49	77	40	61	7	0.15	-0.04	0.15	0.43	33	0.51	23	74	24	0	0	1	0
JUNEAU	69	48	74	45	58	9	-	-	-	-	-	-	-	95	53	0	0	-	-
KODIAK	51	42	56	33	47	1	-	-	-	-	-	-	-	96	64	0	0	-	-
NOME	49	38	61	35	44	3	0.58	0.42	0.31	5.38	291	6.58	203	92	65	0	0	5	0
AZ FLAGSTAFF	67	37	71	32	52	-2	0.40	0.30	0.23	7.08	149	10.52	118	79	21	0	2	2	0
PHOENIX	93	68	97	66	81	-1	0.00	-0.03	0.00	1.78	144	5.08	195	39	15	6	0	0	0
PRESCOTT	78	48	79	44	62	1	0.00	-0.09	0.00	4.10	129	6.92	111	81	20	0	0	0	0
TUCSON	93	61	97	57	77	0	0.00	-0.03	0.00	2.03	171	5.40	197	42	11	6	0	0	0
YUMA	90	65	95	59	78	-4	0.00	0.00	0.00	0.33	80	1.59	164	60	20	5	0	0	0
AR FORT SMITH	85	67	94	65	76	4	0.38	-0.76	0.31	7.73	59	18.63	106	97	66	2	0	4	0
LITTLE ROCK	86	70	90	68	78	5	2.08	1.03	1.95	10.51	69	20.72	95	97	61	1	0	3	1
CA BAKERSFIELD	74	49	82	43	62	-12	0.03	0.00	0.03	4.72	262	11.40	306	85	32	0	0	1	0
EUREKA	59	45	63	42	52	-2	1.47	1.23	-	13.18	138	40.43	199	98	71	0	0	8	2
FRESNO	75	51	81	46	63	-9	0.16	0.13	0.16	6.02	193	14.22	207	86	29	0	0	1	0
LOS ANGELES	68	55	71	51	62	-2	0.00	0.00	0.00	6.77	238	23.83	308	91	59	0	0	0	0
REDDING	61	47	79	44	54	-16	4.01	3.77	1.48	16.00	208	45.43	249	97	54	0	0	7	3
SACRAM/MCCLELL	67	51	77	46	59	-	0.39	-	0.16	4.78	-	23.93	-	94	46	0	0	4	0
SAN DIEGO	66	59	69	55	63	-2	0.00	-0.03	0.00	3.67	134	14.00	230	84	60	0	0	0	0
SAN FRANCISCO	64	52	68	49	58	-1	1.08	1.08	0.47	6.72	146	28.80	235	93	57	0	0	5	0
CO ALAMOSA	77	35	81	25	56	2	0.00	-0.14	0.00	1.11	73	1.15	56	71	11	0	2	0	0
CO SPRINGS	78	49	86	40	63	5	0.30	-0.22	0.21	4.57	109	4.94	101	77	22	0	0	3	0
DENVER	81	47	86	39	64	3	0.18	-0.36	0.18	5.13	97	5.40	85	80	20	0	0	1	0
GRAND JUNCTION	83	54	87	44	69	3	0.02	-0.16	0.02	2.48	100	3.41	97	47	16	0	0	1	0
PUEBLO	84	46	90	42	65	0	0.93	0.84	0.77	4.73	165	5.00	144	87	23	2	0	2	1
CT BRIDGEPORT	78	58	86	54	67	5	1.51	0.84	0.79	17.37	153	25.98	148	92	47	0	0	3	2
HARTFORD	82	52	87	44	67	4	0.49	-0.44	0.33	15.31	133	21.80	120	95	34	0	0	3	0
DC WASHINGTON	80	62	90	54	71	1	0.19	-0.66	0.12	13.51	144	24.15	163	91	49	1	0	3	0
DE WILMINGTON	80	60	87	47	70	4	0.37	-0.49	0.33	11.94	113	19.69	119	96	51	0	0	2	0
FL DAYTONA BEACH	88	70	93	67	79	3	0.02	-0.96	0.01	4.29	51	15.87	111	97	57	2	0	2	0
JACKSONVILLE	89	69	94	67	79	3	0.33	-0.83	0.25	8.28	84	22.89	134	96	54	3	0	2	0
KEY WEST	85	79	87	78	82	0	0.15	-0.80	0.15	4.69	69	11.98	113	89	73	0	0	1	0
MIAMI	88	78	89	75	83	3	1.00	-0.74	0.44	9.50	85	17.15	112	86	62	0	0	4	0
ORLANDO	90	71	93	68	80	1	1.20	0.11	0.95	7.92	94	18.65	136	98	53	5	0	3	1
TAMPA	87	74	91	72	80	1	1.86	0.95	1.56	7.68	108	23.14	190	93	59	2	0	4	1
VALPARAISO/EGLIN	87	72	90	68	80	4	0.08	-0.83	0.00	8.49	58	24.33	105	94	58	1	0	1	0
WEST PALM BEACH	88	75	90	70	82	3	0.64	-1.00	0.40	6.00	48	23.41	131	88	57	2	0	3	0
GA ATHENS	88	68	90	67	78	6	0.14	-0.84	0.12	19.66	144	33.25	146	95	54	2	0	2	0
ATLANTA	88	69	89	68	78	6	0.33	-0.60	0.19	12.75	90	25.78	108	90	52	0	0	2	0
AUGUSTA	93	68	96	67	81	7	0.08	-0.82	0.08	15.31	132	29.19	146	93	39	6	0	1	0
COLUMBUS	91	71	93	69	81	6	0.00	-0.94	0.00	8.83	63	18.27	69	94	48	7	0	0	0
MACON	92	68	95	66	80	5	0.10	-0.73	0.08	13.14	112	25.08	119	96	47	6	0	2	0
SAVANNAH	90	70	95	68	80	4	0.75	-0.30	0.51	11.55	107	25.94	148	100	58	4	0	2	1
HI HILO	78	66	80	64	72	-2	3.28	1.55	1.80	28.49	74	30.39	52	93	63	0	0	7	2
HONOLULU	84	71	86	69	78	0	0.00	-0.19	0.00	0.73	15	1.71	16	74	48	0	0	0	0
KAHULUI	83	68	84	64	75	-1	0.02	-0.09	0.02	1.53	29	2.39	19	83	60	0	0	1	0
LIHUE	80	70	81	67	75	-1	0.06	-0.56	0.04	3.38	32	7.32	37	85	61	0	0	2	0
ID BOISE	64	45	74	37	55	-6	1.48	1.24	0.91	6.17	172	10.30	169	92	43	0	0	5	1
LEWISTON	64	46	73	41	55	-7	1.37	1.07	0.48	5.95	172	8.06	143	92	48	0	0	6	0
POCATELLO	68	39	78	35	53	-4	0.24	-0.06	0.12	4.15	110	7.57	132	93	34	0	0	4	0
IL CHICAGO/O'HARE	80	55	90	47	67	5	0.59	-0.17	0.35	10.92	121	15.29	123	93	42	1	0	3	0
MOLINE	79	58	90	52	69	4	0.59	-0.37	0.28	13.29	121	18.98	136	96	54	1	0	4	0
PEORIA	80	59	89	55	69	4	0.90	0.06	0.76	15.77	154	20.96	169	96	56	0	0	3	1
ROCKFORD	79	54	88	47	67	4	1.22	0.36	0.83	11.29	117	15.22	126	95	45	0	0	5	1
SPRINGFIELD	81	62	89	57	71	4	0.88	0.08	0.79	14.40	139	19.54	143	96	59	0	0	3	1
IN EVANSVILLE	83	64	89	61	73	4	0.28	-0.75	0.20	14.92	112	19.87	104	100	62	0	0	4	0
FORT WAYNE	82	56	92	46	69	5	0.68	-0.12	0.54	12.17	127	17.57	131	91	37	1	0	2	1
INDIANAPOLIS	79	60	86	54	69	3	0.17	-0.71	0.08	16.32	144	20.06	124	98	59	0	0	3	0
SOUTH BEND	79	54	89	45	66	3	1.81	1.08	1.81	10.27	102	15.76	111	97	44	0	0	1	1
IA BURLINGTON	82	63	91	58	72	7	0.51	-0.39	0.38	15.19	152	20.57	166	87	48	2	0	3	0
CEDAR RAPIDS	77	58	88	50	67	3	1.25	0.33	-	13.05	144	16.36	147	96	59	0	0	-	-
DES MOINES	78	61	89	55	70	4	1.09	0.21	1.07	10.87	118	13.44	119</						

Weather Data for the Week Ending May 30, 1998

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	
																		01 INCH OR MORE	50 INCH OR MORE		
																	TEMP, °F	PRECIP.			
KY	WICHITA	87	63	88	58	76	6	0.30	-0.65	0.24	9.27	108	104	96	44	1	0	2	0	1	
	JACKSON	79	63	85	61	71	4	1.38	0.33	0.88	18.59	141	129	98	84	0	0	4	0	0	
	LEXINGTON	80	63	86	61	72	4	0.23	-0.76	0.17	13.07	104	105	97	80	0	0	3	0	0	
	LOUISVILLE	83	65	89	63	74	6	0.55	-0.42	0.28	14.84	111	118	93	54	0	0	3	0	0	
	PADUCAH	84	65	88	62	75	5	0.41	-0.65	0.22	11.80	80	90	98	58	0	0	2	0	0	
LA	BATON ROUGE	92	70	95	68	81	3	0.35	-0.89	0.35	9.43	83	29.87	118	97	48	5	0	1	0	0
	LAKE CHARLES	91	72	95	68	81	4	0.00	-1.33	0.00	6.21	51	21.35	108	97	52	4	0	0	0	0
	NEW ORLEANS	90	72	93	70	81	4	0.43	-0.87	0.43	10.86	79	34.41	138	94	54	5	0	1	0	0
	SHREVEPORT	92	72	98	69	82	7	0.16	-1.02	0.16	5.23	42	18.28	90	92	50	6	0	1	0	0
ME	CARIBOU	68	43	78	37	55	0	0.37	-0.33	0.21	9.05	115	15.74	129	93	42	0	0	4	0	0
	PORTLAND	78	49	90	41	63	7	0.11	-0.69	0.09	10.83	96	21.38	118	89	33	1	0	3	0	0
MD	BALTIMORE	83	57	92	48	70	3	0.08	-0.77	0.08	12.02	119	24.07	148	99	43	1	0	1	0	0
MA	BOSTON	82	58	89	55	71	9	0.18	-0.56	0.18	14.08	136	24.38	138	73	31	0	0	1	0	0
	WORCESTER	78	55	84	50	66	7	0.46	-0.51	0.46	15.20	126	22.98	119	84	30	0	0	1	0	0
MI	ALPENA	73	42	86	36	58	2	0.34	-0.32	0.31	10.37	148	14.81	150	95	42	0	0	3	0	0
	GRAND RAPIDS	78	52	87	45	65	3	0.05	-0.67	0.03	9.19	102	14.81	121	92	37	0	0	3	0	0
	HOUGHTON LAKE	78	43	82	31	59	1	0.09	-0.53	0.08	7.08	105	10.07	107	93	34	0	1	2	0	0
	LANSING	77	49	85	40	63	2	0.57	-0.08	0.31	8.09	106	13.58	130	95	43	0	0	3	0	0
	MARQUETTE	66	41	80	31	53	-1	0.58	-0.19	0.36	7.86	94	11.71	98	85	37	0	2	2	0	0
	MUSKEGON	73	50	82	43	62	2	0.68	0.12	0.58	7.19	91	11.54	98	97	47	0	0	2	1	0
MN	DULUTH	68	45	79	40	56	2	1.31	0.55	0.73	5.84	83	10.30	113	88	36	0	0	3	2	0
	INT'L FALLS	70	42	80	31	56	0	0.43	-0.24	0.38	5.78	115	7.48	115	98	40	0	1	2	0	0
	MINNEAPOLIS	77	54	88	47	66	3	1.47	0.63	1.07	10.58	138	13.00	137	87	36	0	0	4	1	0
	ROCHESTER	77	55	90	48	66	5	0.78	-0.04	0.44	8.90	114	11.75	126	89	39	1	0	3	0	0
	ST. CLOUD	76	50	86	43	63	3	1.26	0.43	1.22	6.82	97	8.20	100	91	31	0	0	2	1	0
MS	JACKSON	88	69	94	66	79	4	1.43	0.42	1.43	11.35	70	26.38	101	96	48	3	0	1	1	0
	MERIDIAN	88	67	95	64	78	4	0.85	-0.06	0.55	9.56	58	28.54	105	98	47	3	0	2	1	0
	TUPELO	86	67	93	66	77	4	1.48	0.28	0.86	12.87	76	25.05	95	97	59	2	0	4	1	0
MO	COLUMBIA	82	63	88	59	73	6	0.31	-0.83	0.21	11.20	94	16.93	112	97	62	0	0	4	0	0
	KANSAS CITY	86	63	95	59	75	7	0.37	-0.82	0.37	7.09	68	9.15	72	90	50	2	0	1	0	0
	SAINT LOUIS	82	67	87	63	74	5	0.41	-0.50	0.38	14.28	131	20.09	135	91	59	0	0	2	0	0
	SPRINGFIELD	82	64	90	60	73	5	2.01	0.96	0.87	13.02	106	19.96	123	99	57	1	0	5	3	0
MT	BILLINGS	76	48	86	45	62	4	0.38	-0.21	0.21	4.37	81	5.18	74	74	22	0	0	3	0	0
	BUTTE	68	37	74	30	52	1	0.33	-0.15	0.20	5.35	154	6.64	151	90	32	0	1	4	0	0
	GLASGOW	77	49	88	43	63	5	0.30	-0.18	-	3.18	113	3.59	104	81	23	0	0	-	-	-
	GREAT FALLS	73	44	85	38	58	2	1.79	1.18	1.67	5.13	104	6.31	98	82	28	0	0	4	1	0
	KALISPELL	65	44	78	36	55	1	2.49	2.01	1.23	7.78	200	9.07	139	96	48	0	0	6	1	0
	MILES CITY	80	52	92	47	68	6	0.35	-0.23	0.32	2.61	63	3.24	63	70	20	1	0	2	0	0
	MISSOULA	65	42	75	34	54	-1	2.20	1.76	1.08	6.63	182	8.41	148	96	53	0	0	6	1	0
NE	GRAND ISLAND	80	58	89	46	69	4	0.22	-0.71	0.13	9.85	122	10.72	116	90	53	0	0	3	0	0
	LINCOLN	81	57	92	48	69	3	2.85	1.72	2.64	10.89	126	12.87	130	94	49	2	0	2	1	0
	NORFOLK	79	54	90	44	67	2	0.08	-0.86	0.08	8.89	116	9.40	105	98	54	1	0	1	0	0
	NORTH PLATTE	80	50	87	40	65	3	0.83	0.00	0.55	4.94	78	5.82	77	96	45	0	0	2	1	0
	OMAHA	80	60	91	54	70	4	0.89	-0.36	-	12.16	134	13.78	130	97	54	1	0	-	-	-
	SCOTTSBLUFF	81	51	87	44	66	6	0.05	-0.61	0.05	4.37	82	5.21	83	91	30	0	0	1	0	0
	VALENTINE	79	51	91	41	65	3	0.01	-0.73	0.01	5.47	95	5.68	88	93	38	1	0	1	0	0
NV	ELY	68	32	71	23	49	-5	0.53	0.28	0.27	3.81	125	5.92	133	79	18	0	4	5	0	0
	LAS VEGAS	85	62	90	57	74	-4	0.00	-0.06	0.00	1.33	148	4.39	240	44	17	1	0	0	0	0
	RENO	63	38	73	34	51	-9	0.00	-0.17	0.00	4.44	262	8.13	211	72	26	0	0	0	0	0
	WINNEMUCCA	63	34	78	25	49	-10	0.23	0.04	0.20	6.71	275	9.98	282	91	30	0	3	2	0	0
NH	CONCORD	82	48	90	37	64	5	0.00	-0.72	0.00	8.04	93	14.14	103	87	23	1	0	0	0	0
NJ	NEWARK	81	61	88	54	71	4	0.91	0.02	0.53	16.52	141	26.22	144	96	36	0	0	2	1	0
NM	ALBUQUERQUE	85	58	90	51	71	3	0.00	-0.11	0.00	2.98	203	3.78	157	33	8	1	0	0	0	0
NY	ALBANY	80	52	87	43	68	4	0.14	-0.66	0.07	10.56	115	16.94	122	91	35	0	0	4	0	0
	BINGHAMTON	78	53	82	42	64	5	1.22	0.45	0.81	12.17	132	19.76	142	91	38	0	0	2	1	0
	BUFFALO	78	53	80	43	64	4	0.12	-0.62	0.08	9.04	105	16.93	124	91	37	0	0	3	0	0
	ROCHESTER	77	52	83	42	65	4	0.21	-0.42	0.13	7.38	98	15.35	131	92	39	0	0	2	0	0
	SYRACUSE	78	51	86	43	65	4	0.21	-0.55	0.21	7.20	78	15.11	110	90	38	0	0	1	0	0
NC	ASHEVILLE	83	62	85	58	72	7	0.34	-0.71	0.18	14.71	120	31.06	180	100	53	0	0	2	0	0
	CHARLOTTE	89	70	93	65	79	9	0.33	-0.66	0.19	11.14	103	20.70	113	90	51	4	0	3	0	0
	GREENSBORO	83	65	89	59	74	5	0.56	-0.38	0.39	14.42	139	25.89	152	96	57	0	0	2	0	0
	HATTERAS	76	66	82	59	71	1	1.39	0.45	0.81	12.58	107	30.04	142	100	77	0	0	2	2	0
	RALEIGH	86	65	91	59	78	6	0.54	-0.40	0.36	14.05	136	27.33	158	98	55	2	0	3	0	0
	WILMINGTON	86	69	93	65	77	5	1.11	-0.03	1.11	14.03	129	32.54	175	94	59	3	0	1	1	0
ND	BISMARCK	77	48	88	41	62	3	0.19	-0.35	0.13	2.19	48	3.95	73	92	36	0	0	2	0	0
	DICKINSON	75	46	85	41	61	3	0.42	-0.23	0.42	3.24	64	5.84	98	88	30	0	0	1	0	0
	FARGO	75	51	83	40	63	3	1.54	0.95	1.30	8.93	170	11.24	176	89	32	0	0	2	1	0
	GRAND FORKS	76	45	85	34	61	1	0.10	-0.44	0.07	2.57	60	4.50	82	89	33	0	0	3	0	0
	JAMESTOWN	74	47	83	37	61	1	0.45	-0.04	0.32	4.31	103	6.31	120	96	37	0	0	3	0	0
	WILLISTON	77	45	84	36	61	2	0.15	-0.35	0.14	1.46	38	3.57	73	92	30	0	0	2	0	0
OH	AKRON-CANTON	77	55	86	51	68	4	0.08	-0.75	0.05	11.21	111	17.42	120	89	47	0	0	2	0	0
	CINCINNATI	80	60	86	56	70	4	0.11	-0.85	0.09	18.43	152	24.74	142	99	62					

Weather Data for the Week Ending May 30, 1998

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP, °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	80	58	91	50	68	6	0.41	-0.29	0.41	9.93	118	18.67	140	91	41	1	0	1	0
OK YOUNGSTOWN	78	51	87	42	65	4	0.27	-0.56	0.20	11.90	124	18.63	136	90	41	0	0	3	0
OK OKLAHOMA CITY	87	64	96	60	78	4	1.14	-0.10	0.87	11.93	113	18.13	122	95	52	4	0	3	1
OK TULSA	86	66	94	62	76	3	0.50	-0.78	0.39	13.78	110	17.58	109	97	54	3	0	2	0
OR ASTORIA	80	48	74	37	53	-1	1.47	0.86	0.63	16.54	113	43.26	134	99	60	0	0	6	1
OR BURNS	55	38	65	33	46	-7	0.98	0.72	0.38	5.22	200	10.44	239	96	52	0	0	6	0
OR EUGENE	62	42	73	36	52	-8	1.61	1.18	1.10	12.93	120	27.13	112	91	50	0	0	3	1
OR MEDFORD	81	46	72	41	53	-8	1.57	1.37	0.58	9.84	243	17.69	206	94	48	0	0	7	1
OR PENDLETON	63	46	74	39	54	-7	0.47	0.27	0.17	4.11	128	7.89	135	90	46	0	0	5	0
OR PORTLAND	64	49	78	45	57	-3	1.37	0.93	0.85	10.75	135	22.79	133	96	51	0	0	4	1
OR SALEM	64	45	76	39	54	-3	1.28	0.89	0.69	11.96	142	27.20	144	98	53	0	0	4	1
PA ALLENTOWN	83	58	90	45	69	5	0.44	-0.50	0.24	13.75	126	21.02	124	90	29	1	0	2	0
PA ERIE	77	55	84	45	66	5	0.01	-0.82	0.01	9.90	103	16.54	118	85	43	0	0	1	0
PA MIDDLETOWN	84	60	90	49	72	6	0.21	-0.77	0.21	15.59	147	25.13	153	90	38	1	0	1	0
PA PHILADELPHIA	82	60	90	52	71	5	0.34	-0.51	0.32	10.52	98	18.02	108	93	48	1	0	2	0
PA PITTSBURGH	78	55	87	48	67	4	0.25	-0.58	0.19	8.70	87	14.89	100	91	43	0	0	3	0
PA SCRANTON	80	53	87	38	66	4	0.65	-0.22	0.59	10.94	122	18.81	126	95	48	0	0	3	1
PA WILLIAMSPORT	82	53	92	43	68	5	0.73	-0.20	0.68	14.50	143	25.03	162	92	33	1	0	3	1
RI PROVIDENCE	80	55	85	50	68	7	0.27	-0.54	0.16	16.73	142	29.13	161	89	31	0	0	2	0
SC BEAUFORT	90	71	93	69	81	5	0.20	-0.86	0.17	12.34	115	28.60	161	97	56	4	0	3	0
SC CHARLESTON	90	71	93	67	81	6	0.12	-0.98	0.11	13.02	120	30.77	175	96	55	4	0	2	0
SC COLUMBIA	91	71	95	70	81	8	0.52	-0.39	0.52	12.82	108	25.78	127	93	47	4	0	1	1
SC GREENVILLE	87	67	90	64	77	6	0.28	-0.77	0.28	15.69	118	29.39	133	97	62	2	0	1	0
SD ABERDEEN	74	51	81	45	62	2	0.26	-0.34	0.20	6.73	120	8.11	126	95	50	0	0	3	0
SD HURON	77	53	88	45	65	4	0.52	-0.19	0.48	8.43	129	9.38	124	90	44	0	0	2	0
SD RAPID CITY	76	51	87	46	63	4	0.05	-0.61	0.02	4.06	74	4.70	74	87	42	0	0	2	0
SD SIOUX FALLS	77	50	88	39	64	1	0.61	-0.11	0.59	9.64	136	10.81	131	96	42	0	0	3	1
TN BRISTOL	82	61	86	58	71	5	1.54	0.67	1.14	15.93	148	23.19	133	100	58	0	0	4	1
TN CHATTANOOGA	88	68	91	66	78	8	0.11	-0.83	0.08	16.50	113	29.06	120	95	51	2	0	2	0
TN KNOXVILLE	86	67	88	64	77	8	1.02	0.08	0.98	20.09	157	27.41	130	93	50	0	0	3	1
TN MEMPHIS	86	69	92	66	78	3	0.92	-0.10	0.87	16.10	102	28.37	119	96	56	3	0	2	1
TN NASHVILLE	83	67	89	64	75	4	1.89	0.64	1.20	13.81	97	21.41	100	98	59	0	0	4	1
TX ABILENE	93	68	100	61	81	5	0.04	-0.68	0.04	3.58	58	5.43	65	82	35	5	0	1	0
TX AMARILLO	91	58	101	52	75	6	0.00	-0.69	0.00	3.99	92	6.75	124	86	17	5	0	0	0
TX AUSTIN	93	71	97	66	82	5	0.02	-1.10	0.02	3.87	43	9.80	78	94	45	7	0	1	0
TX BEAUMONT	90	72	95	68	81	4	0.00	-1.38	0.00	7.31	59	21.17	104	98	54	3	0	0	0
TX BROWNSVILLE	92	75	95	71	84	3	0.00	-0.69	0.00	0.67	14	2.76	37	95	63	7	0	0	0
TX CORPUS CHRISTI	90	73	93	67	82	2	0.00	-0.83	0.00	2.52	43	6.24	65	94	57	3	0	0	0
TX DEL RIO	97	75	103	65	86	7	0.15	-0.32	0.02	1.22	26	1.81	26	78	32	6	0	2	0
TX EL PASO	93	62	97	54	77	2	0.00	-0.08	0.00	0.26	34	0.46	29	26	12	7	0	0	0
TX FORT WORTH	92	71	100	67	82	6	1.37	0.31	1.27	7.27	66	15.56	104	90	44	4	0	2	1
TX GALVESTON	85	78	88	73	80	2	0.00	-0.90	0.00	2.28	28	12.73	93	94	71	0	0	0	0
TX HOUSTON	93	71	97	67	82	5	0.05	-1.22	0.04	3.68	33	13.88	80	95	46	7	0	1	0
TX LUBBOCK	93	63	103	56	78	6	0.00	-0.61	0.00	1.77	43	3.63	71	74	20	5	0	0	0
TX MIDLAND	96	86	104	62	82	7	0.00	-0.47	0.00	0.44	13	1.18	27	73	14	7	0	0	0
TX SAN ANGELO	94	68	99	61	81	5	1.72	1.02	1.71	3.57	65	4.80	65	84	33	6	0	2	1
TX SAN ANTONIO	93	71	96	64	82	4	0.00	-1.01	0.00	2.90	36	9.50	82	91	41	7	0	0	0
TX VICTORIA	93	72	98	68	82	4	0.05	-1.08	0.01	2.89	35	7.89	63	96	46	6	0	1	0
TX WACO	93	70	98	66	82	5	0.10	-0.92	0.09	3.80	38	13.96	102	98	51	5	0	2	0
TX WICHITA FALLS	94	68	104	63	80	6	0.00	-0.94	0.00	5.87	82	10.43	90	88	35	5	0	0	0
UT SALT LAKE CITY	74	50	83	43	62	0	0.60	0.25	0.59	6.89	119	13.41	165	76	23	0	0	2	1
VT BURLINGTON	78	47	88	38	63	2	0.33	-0.40	0.33	7.92	99	14.91	130	90	29	0	0	1	0
VA LYNCHBURG	79	60	89	54	70	3	0.91	0.02	0.00	16.10	155	30.03	185	100	57	0	0	4	0
VA NORFOLK	80	63	88	53	72	2	0.61	-0.27	0.53	12.52	120	26.75	151	96	63	0	0	2	1
VA RICHMOND	80	63	89	51	72	2	0.93	0.05	0.87	14.83	144	27.44	165	97	57	0	0	3	1
VA ROANOKE	79	62	88	58	71	4	2.14	1.26	1.07	14.88	141	30.85	190	94	46	0	0	5	2
VA WASH/DULLES	80	56	89	45	68	3	0.32	-0.62	0.25	13.11	129	24.36	155	98	49	0	0	3	0
WA HANFORD	66	51	77	40	59	-	0.26	0.13	-	1.09	80	3.48	125	82	40	0	0	3	0
WA OLYMPIA	62	43	72	37	52	-3	0.24	-0.17	0.23	7.72	75	24.75	103	98	60	0	0	2	0
WA QUILLAYUTE	61	42	70	34	51	-1	1.43	0.39	0.66	13.72	57	44.84	87	98	62	0	0	4	2
WA SEATTLE-TACOMA	60	47	68	44	54	-4	1.02	0.66	0.75	6.15	82	16.61	98	97	63	0	0	3	1
WA SPOKANE	61	44	67	39	52	-6	1.55	1.22	0.88	5.74	141	9.39	125	94	59	0	0	4	2
WA YAKIMA	64	46	72	35	55	-5	0.87	0.73	0.24	2.36	148	6.18	174	93	45	0	0	6	0
WV BECKLEY	76	56	83	53	66	4	2.27	1.36	1.06	15.81	146	25.39	154	100	62	0	0	5	2
WV CHARLESTON	80	61	87	58	70	4	0.48	-0.41	0.40	13.55	126	21.21	127	99	62	0	0	3	0
WV ELKINS	77	52	83	48	64	4	0.80	-0.36	0.43	12.38	107	19.20	108	100	55	0	0	4	0
WV HUNTINGTON	80	60	88	57	70	4	0.76	-0.18	0.67	13.14	117	21.75	128	100	62	0	0	5	1
WI EAU CLAIRE	78	54	90	48	66	5	1.49	0.58	0.88	11.45	140	15.39	155	91	33	1	0	3	1
WI GREEN BAY	74	50	88	45	62	3	0.64	-0.04	0.39	7.06	99	10.06	108	94	43	0	0	3	0
WI MADISON	76	52	86	44	64	4	1.38	0.63	0.92	13.54	168	17.22	169	95	49	0	0	3	1
WI MILWAUKEE	72	53	85	49	63	4	0.74	0.11	0.62	9.56	107	15.36	128	92	54	0	0	2	1
WY CASPER	78	42	84	34	60	4	0.08	-0.38	0.08	2.28	50	3.32	58	73	17	0	0	1	0
WY CHEYENNE	73	45	79	40	59	4	0.10	-0.46	0.08	4.22	90	4.59	84	82	30	0	0	2	0
WY LANDER	74	46	81	38	60	3	0.00	-0.48	0.00	6.11	111	6.81	104	57	18	0	0	0	0
WY SHERIDAN	78	42	87	37	60	4	0.14	-0.43	0.14	3.51	70	4.00	63	87	35	0	0	1	0

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 25 - 31, 1998

HIGHLIGHTS

Hot, dry weather continued in the southern Great Plains and along the Gulf Coast, stressing most emerged crops and forcing some farmers to delay planting until rain replenishes soil moisture levels. Planting conditions remained good in the eastern Corn Belt, where rainfall was mostly light. Heavier rainfall

promoted germination and growth in the western Corn Belt and northern Mississippi Valley. Some isolated wind, hail, and erosion damage was associated with the storms. Continued cool, wet weather limited planting activity and stressed emerged crops in California.

Corn: Planting activity significantly slowed, especially in the western Corn Belt and Great Plains States, where most farmers were finished planting. Nationally, 97 percent of the crop was planted, more than 1 week ahead of normal. Eighty-seven percent of the corn acreage had emerged, 15 percentage points above the previous week. Warm, sunny weather promoted rapid germination, especially in the eastern Corn Belt. Nearly all corn acreage had emerged in the western Corn Belt, where rain kept soil moisture at mostly adequate levels and promoted crop growth.

Soybeans: Mostly dry conditions allowed farmers to make good planting progress in the eastern Corn Belt and the southern Atlantic Coast States. Rain limited progress in the Mississippi Delta States. Three-quarters of the Nation's soybean crop had been planted, with progress in most States between 1 and 2 weeks ahead of the 5-year average. Good soil moisture levels aided germination, especially in the western Corn Belt, where planting was over 90 percent complete.

Winter wheat: Eighty-six percent of the crop had headed, nearly 1 week ahead of normal. Above-normal temperatures promoted rapid crop development, especially in the eastern Corn Belt and Great Lakes Region. In Michigan, heading progress was nearly 3 weeks ahead of normal. High temperatures caused the crop to quickly mature in the southern and central Great Plains. Two percent of the Nation's winter wheat had been harvested, equal to the 5-year average. Harvest progress was most advanced in Georgia and Texas. Conditions deteriorated in the eastern Corn Belt due to spreading disease problems, while rain improved conditions in northeastern Texas.

Cotton: Planting advanced to 83 percent, slightly behind normal for this date. Dry conditions allowed farmers in the Atlantic Coastal Plains and southern Great Plains to make the best progress. Eight percent of the crop was squaring,

equal to the 5-year average, despite being behind normal in most cotton-growing States. Crop development was ahead of normal in Texas, despite excessive dryness and hot weather. Irrigated fields maintained good growth, while dryland fields showed stress from the heat.

Rice: Growers have completed 92 percent of their rice seedings, up from 86 percent a week ago, but 2 percentage points behind normal. In the Mississippi Delta and Texas, planting was nearly complete, slightly ahead of normal for this date. However, progress remained well behind the 5-year average in California, where persistent cool, wet weather had delayed planting. Seventy-seven percent had emerged, 5 percentage points behind normal for this date. Delayed planting and slow emergence in California accounted for the departure from normal. The crop was rated mostly good in the Mississippi Delta, while cool weather was responsible for poorer conditions in California.

Small grains: Warm weather provided good conditions for small grain growth and development. Over 90 percent of the oats, barley, and spring wheat had emerged, more than 2 weeks ahead of normal for this date. Mostly adequate soil moisture levels have aided crop conditions across most of the northern Great Plains. Continued dryness was causing stress for the barley and spring wheat crops in Montana.

Other crops: Sorghum growers boosted planted acreage to 64 percent, nearly 1 week ahead of the 5-year average. Warm, dry weather permitted rapid progress in the central and northern Great Plains. Dry soils limited planting in the Texas Plains. Peanut growers advanced planted acreage to 84 percent. Progress continued well ahead of normal in the southern Plains, but remained behind normal in the Southeastern States. Slightly more than half of the crop was rated good or excellent, but hot, dry weather kept conditions much lower in the eastern Gulf Coast peanut-growing area.

Crop Progress and Condition

Week Ending May 31, 1998

Soybeans Percent Planted				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AL	68	47	53	55
AR	52	46	51	44
GA	53	32	49	44
IL	66	50	92	55
IN	69	51	86	59
IA	90	85	91	67
KS	85	70	67	42
KY	36	19	30	28
LA	84	83	67	68
MI	81	70	57	59
MN	97	92	90	73
MS	82	78	79	68
MO	64	45	58	38
NE	92	80	83	61
NC	43	28	40	43
OH	76	56	73	65
SC	38	24	34	33
SD	79	59	61	48
TN	32	22	30	30
ALL	75	63	75	57

These 19 States planted 94% of last year's soybean acreage.

Winter Wheat Percent Headed				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	77	48	77	61
GA	100	100	100	100
ID	9	2	20	10
IL	98	94	85	86
IN	99	90	60	68
KS	99	95	97	97
MI	85	45	0	4
MO	99	91	87	87
MT	22	*5	0	1
NE	70	30	53	44
NC	100	98	100	99
OH	99	81	19	40
OK	100	100	100	100
OR	55	21	56	59
SD	25	17	0	11
TX	97	91	95	96
WA	65	35	54	47
ALL	86	75	78	77

These 19 States planted 91% of last year's winter wheat acreage.

Corn Percent Planted				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
CO	100	96	100	91
GA	100	98	100	100
IL	96	92	100	85
IN	90	83	98	82
IA	99	98	100	92
KS	99	98	100	93
KY	87	80	90	89
MI	96	90	88	85
MN	99	99	99	93
MO	98	91	98	80
NE	100	99	99	94
NC	95	91	100	100
OH	95	81	96	86
PA	87	65	86	80
SD	96	89	87	76
TX	99	98	99	99
WI	99	92	97	87
ALL	97	93	98	88

These 17 States planted 90% of last year's corn acreage.

Soybeans Percent Emerged				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AL	48	32	NA	NA
AR	41	31	NA	NA
GA	32	19	NA	NA
IL	32	12	NA	NA
IN	41	16	NA	NA
IA	76	44	NA	NA
KS	66	43	NA	NA
KY	8	1	NA	NA
LA	78	77	NA	NA
MI	53	27	NA	NA
MN	84	61	NA	NA
MS	71	58	NA	NA
MO	39	*17	NA	NA
NE	69	33	NA	NA
NC	30	10	NA	NA
OH	42	17	NA	NA
SC	6	0	NA	NA
SD	47	26	NA	NA
TN	20	7	NA	NA
ALL	53	30	NA	NA

These 19 States planted 94% of last year's soybean acreage.

Winter Wheat Percent Harvested				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AR	2	NA	0	0
CA	1	NA	0	1
CO	0	NA	0	0
GA	27	NA	33	33
ID	0	NA	0	0
IL	0	NA	0	0
IN	0	NA	0	0
KS	0	NA	0	0
MI	0	NA	0	0
MO	0	NA	0	0
MT	0	NA	0	0
NE	0	NA	0	0
NC	7	NA	14	9
OH	0	NA	0	0
OK	5	NA	0	3
OR	0	NA	0	0
SD	0	NA	0	0
TX	10	NA	3	7
WA	0	NA	0	0
ALL	2	NA	1	2

These 19 States planted 91% of last year's winter wheat acreage.

Corn Percent Emerged				
	May 31 1998	Prev Week	Prev Year	5-Yr Avg
CO	91	74	NA	NA
GA	98	97	NA	NA
IL	81	60	NA	NA
IN	76	44	NA	NA
IA	95	87	NA	NA
KS	96	89	NA	NA
KY	68	46	NA	NA
MI	80	70	NA	NA
MN	98	94	NA	NA
MO	86	67	NA	NA
NE	96	85	NA	NA
NC	90	84	NA	NA
OH	71	39	NA	NA
PA	50	32	NA	NA
SD	85	70	NA	NA
TX	96	91	NA	NA
WI	89	74	NA	NA
ALL	87	72	NA	NA

These 17 States planted 90% of last year's corn acreage.

Crop Progress and Condition

Week Ending May 31, 1998

Cotton Percent Planted

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AL	94	91	96	93
AZ	99	97	100	100
AR	99	96	100	98
CA	95	92	100	100
GA	86	84	90	92
LA	99	99	99	99
MS	91	89	100	98
MO	100	98	100	97
NM	98	92	99	94
NC	97	86	93	96
OK	67	51	39	55
SC	93	83	96	96
TN	98	86	100	98
TX	68	57	70	66
ALL	83	76	85	84

These 14 States planted 98% of last year's cotton acreage.

Cotton Percent Squaring

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AL	5	NA	1	1
AZ	4	NA	44	34
AR	0	NA	0	1
CA	0	NA	13	3
GA	9	NA	4	10
LA	0	NA	2	5
MS	2	NA	3	11
MO	0	NA	0	0
NM	0	NA	0	0
NC	1	NA	0	0
OK	0	NA	0	0
SC	5	NA	9	0
TN	0	NA	0	1
TX	15	NA	7	11
ALL	8	NA	6	8

These 14 States planted 98% of last year's cotton acreage.

Peanuts Percent Planted

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AL	95	93	100	96
FL	83	78	91	NA
GA	94	84	94	97
NC	81	66	87	95
OK	87	66	63	59
SC	83	81	98	93
TX	58	48	31	36
VA	97	90	97	98
ALL	84	74	78	80

These 8 States planted 99% of last year's peanut acreage.

Sorghum Percent Planted

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AR	91	90	98	91
CO	45	18	32	27
IL	27	25	70	33
KS	60	34	44	34
LA	96	96	90	92
MS	76	74	97	88
MO	73	43	69	53
NE	87	62	76	52
NM	21	13	42	31
OK	28	17	14	37
SD	57	40	28	29
TX	71	66	71	78
ALL	64	48	57	53

These 12 States planted 99% of last year's sorghum acreage.

Oats Percent Emerged

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
IA	99	95	99	95
MI	100	96	83	83
MN	98	96	86	87
NE	100	100	100	NA
ND	90	79	56	59
OH	99	93	95	93
PA	90	79	89	NA
SD	97	93	77	83
WI	100	96	97	NA
ALL	96	90	82	78

These 9 States planted 57% of last year's oat acreage.

Barley Percent Emerged

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
ID	89	78	85	84
MN	97	94	46	64
MT	93	81	79	75
ND	90	79	59	62
SD	98	95	78	81
WA	99	99	97	94
ALL	92	83	70	71

These 6 States planted 83% of last year's barley acreage.

Rice Percent Planted

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AR	98	92	98	95
CA	60	45	99	86
LA	99	99	98	98
MS	97	96	99	93
TX	100	99	94	97
ALL	82	86	96	94

These 5 States planted 96% of last year's rice acreage.

Rice Percent Emerged

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
AR	86	79	88	85
CA	15	5	91	53
LA	99	98	94	95
MS	91	89	95	88
TX	96	95	86	87
ALL	77	72	90	82

These 5 States planted 96% of last year's rice acreage.

Spring Wheat Percent Emerged

	May 31 1998	Prev Week	Prev Year	5-Yr Avg
ID	92	84	91	89
MN	97	94	51	68
MT	93	78	81	80
ND	90	81	60	62
SD	99	97	80	86
ALL	93	84	67	71

These 5 States planted 96% of last year's spring wheat acreage.

Oats Crop Condition by Percent

	VP	P	F	G	EX
IA	1	3	15	59	22
MI	3	14	32	46	5
MN	1	2	22	64	11
NE	0	4	18	56	22
ND	1	7	34	52	6
OH	0	3	21	63	13
PA	0	3	22	55	20
SD	0	1	12	69	18
WI	1	3	18	65	13
ALL	1	4	22	60	13
Prev Wk	1	2	22	61	14
Prev Yr	0	4	32	56	8

Crop Progress and Condition

Week Ending May 31, 1998

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	8	32	47	12
CA	0	10	30	50	10
CO	1	7	20	54	18
GA	2	8	40	47	3
ID	0	0	4	60	36
IL	1	12	27	52	8
IN	1	6	22	52	19
KS	2	6	23	57	12
MI	1	4	25	60	10
MO	1	10	25	54	10
MT	8	24	45	22	1
NE	2	9	21	58	10
NC	1	7	27	55	10
OH	0	2	15	58	25
OK	0	5	22	70	3
OR	0	0	9	48	43
SD	0	2	10	53	35
TX	4	13	37	39	7
WA	0	3	14	62	21
ALL	2	7	24	55	12
Prev Wk	1	7	23	56	13
Prev Yr	4	10	31	46	9

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	8	19	35	38	0
AZ	0	8	32	48	12
AR	0	1	31	51	17
CA	20	20	55	5	0
GA	4	12	36	41	7
LA	0	6	49	44	1
MS	0	2	28	61	9
MO	0	5	38	51	6
NM	1	1	26	49	23
NC	0	2	21	68	9
OK	0	0	6	94	0
SC	0	4	31	61	4
TN	0	1	19	64	16
TX	9	17	33	38	3
ALL	6	12	34	42	6
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	1	6	31	54	8

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	2	28	46	24
CA	0	20	40	40	0
LA	0	3	35	57	5
MS	0	2	17	73	8
TX	0	4	36	47	13
ALL	0	5	31	50	14
Prev Wk	0	7	31	48	14
Prev Yr	0	5	31	51	13

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	6	54	39
MN	1	3	29	63	4
MT	2	17	46	33	2
ND	1	5	24	53	17
SD	0	3	16	58	23
ALL	1	7	28	51	13
Prev Wk	2	7	24	51	16
Prev Yr	0	3	25	63	9

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	1	40	52	6
GA	6	17	35	38	4
IL	2	7	27	55	9
IN	2	3	25	59	11
IA	1	1	14	53	31
KS	0	1	13	71	15
KY	0	4	23	55	18
MI	1	6	31	52	10
MN	0	2	18	57	23
MO	0	2	23	61	14
NE	0	1	15	63	21
NC	0	3	29	60	8
OH	0	2	22	59	17
PA	0	2	12	64	22
SD	0	1	9	63	27
TX	7	17	27	46	3
WI	0	1	11	61	27
ALL	1	3	20	57	19
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	1	6	33	52	8

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	6	18	49	27	0
FL	2	9	66	23	0
GA	2	7	35	47	9
NC	0	0	24	76	0
OK	0	0	45	55	0
SC	0	1	64	34	1
TX	2	18	32	30	18
VA	0	0	4	64	32
ALL	2	10	36	43	9
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	0	2	27	64	7

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	0	4	59	37
MN	1	3	30	38	28
MT	4	20	53	22	1
ND	0	4	20	56	20
SD	0	2	12	67	19
WA	0	0	28	45	27
ALL	1	7	27	46	19
Prev Wk	1	6	25	49	19
Prev Yr	0	2	21	64	13

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

* Revised

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 6.4. Topsoil 43% very short, 43% short, 13% adequate, 1 surplus. Prolonged hot, dry weather depleted soil moisture. Corn, cotton plants began to show signs of drought stress in some areas. Planting of remaining cotton fields was slowed by lack of rain. Wheat harvested 26%, 16% 1997, 11% avg. Soybeans planted 68%, 53% 1997, 55% avg. Hay harvested 79%, 66% 1997, 68% avg. Wheat 1% very poor, 5% poor, 30% fair, 58% good, 6% excellent. Livestock 1% very poor, 10%, poor, 28% fair, 52% good, 9% excellent. Pasture feed 16% very poor, 17% poor, 34% fair, 33% good. Hay cutting ahead of schedule due to dry weather. Peach harvest on schedule.

ALASKA: Days suitable for fieldwork 6.6. Fairly mild conditions across the State. More rain is needed to further crop growth. Topsoil 50% short, 50% adequate. Subsoil 40% short, 60% adequate. Oat seeding 90% complete, 65% emerged. Barley seeding 97% complete, 75% emerged. Commercial potato seeding 65% complete, 65% 1997. Vegetable transplanting 35% complete. Crop growth for the week 50% slow, 45% moderate, 5% rapid. Wind and rain damage to new plantings 75% none, 25% light. Winter freeze damage to grass fields 65% none, 15% light, 15% moderate, 5% severe. Range, pasture feed 15% poor, 30% fair, 50% good, 5% excellent.

ARIZONA: Pasture condition was generally worse this month. High, low elevation pastures were mainly in fair to good conditions. Mid elevation pastures were mostly in good condition. Livestock were reported in good condition. Soil moisture was short to adequate in most areas of the State, while stock water was adequate. Insect damage was light. Northern grazing conditions in high, low elevation pastures were in fair to good condition, while mid-elevation pastures were mixed. Cattle were reported in fair to good condition. Stock water supplies were mostly adequate, soil moisture was short to adequate. Insect damage was light. Conditions in central areas declined from last month. All elevations were in excellent to good condition. Livestock conditions were good to excellent; stock water, soil moisture were both adequate. Insect damage was light. Southern grazing conditions were mostly good to fair. In the low elevations, pastures were mostly poor to fair; mid-elevations were mostly good. High elevation pastures were fair to good. Livestock conditions were good. Stock water was adequate, while soil moisture was short to adequate. Insect damage was minimal. Cooler nighttime temperatures have delayed cotton development. Setting bolls less than 1%, 11% 1997, 3% avg. Alfalfa harvest 27% not being harvested, 3% moderate, 70% active; condition improved again last week. Condition 2% poor, 13% fair, 45% good, 40% excellent. Small grains are about 1 week behind last year but ahead of the average. Small grains 68% mature. This compares with 74% 1997, 52% avg. Small grain harvest is about 2 weeks behind schedule. Thirteen percent reported harvested, 29% 1997, 38% avg. Small grain condition was reported as 2% poor, 12% fair, 41% good, 45% excellent. Central, eastern, western areas continued harvesting vegetables, melons last week. Central area growers shipped cabbage, carrots, dry onions, parsley; table, manufacturing potatoes. Eastern area growers harvested reduced quantities of head lettuce last week, while western area growers harvested cabbage, cantaloupes, honeydews, watermelons. Shipments of iceberg lettuce continued in reduced quantities. Citrus shipments continued sporadically last week from central, western areas. Central areas groves packed grapefruit, Valencias, while western areas packed grapefruit.

ARKANSAS: Days suitable for fieldwork 4. Soil moisture 4% very short, 15% short, 65% adequate, 16% surplus. Temperatures above normal. Strong thunderstorms along with very heavy rain occurred over most southern areas. Light, moderate rain occurred over the remainder of the State. Main farming activities: Planting soybeans, rice, cotton; cutting hay; weed control; fertilizing cotton, rice, corn, sorghum; irrigating corn, rice; fertilizing, spraying hay, pastures; spraying, flushing rice fields; harvesting oats, wheat; working cattle. Alfalfa 4% poor, 20% fair, 66% good, 10% excellent. Other hay 2% poor, 29% fair, 59% good, 10% excellent. Range, pasture feed 1% very poor, 3% poor, 30% fair, 59% good, 8% excellent.

CALIFORNIA: Moderate to heavy rainfall, unseasonably cool temperatures continued to delay field crop planting, harvesting in many areas. Due to persistent cool, wet conditions, the growth, development of spring planted

crops appear to be at least 3 weeks behind normal in most fields. Rain, strong winds have caused widespread lodging problems in many small grain fields in the San Joaquin, Sacramento Valleys and coastal valleys. Wheat, barley disease problems were increasing in many fields, due to the lack of warm, sunny weather. Grain harvests of wheat, barley were ongoing, conditions permitting, in the Imperial, San Joaquin Valleys. Rice planting, ground preparation were progressing slowly. Rice plantings 60%, were considerably lower than the 5-year average of 86% planted for this point in the season. Last year at this time, the rice crop was 99% planted. Rice emerged, at 15%, was lagging far behind the 53% recorded as the 5-year average for this time of year. Some fields originally intended for rice will be switched to corn or safflower, due to the lateness of the season. Some cotton fields still remain unplanted; only 95% of the crop was in the ground at this time. Cotton growth was severely stunted by the cool weather and waterlogged soils. Many cotton seedlings had disease, fungal problems. Replanting was underway on lighter, sandier soils; mainly with shorter season, non-Acala varieties. Some early-planted cotton fields were being cultivated, hand weeded. Considerable amounts of alfalfa, grass, oat hay suffered mold, mildew damage from rain and/or lack of good drying weather. Many growers saw drastic reductions in prices offered for the poor-quality hay. Safflower, seed alfalfa were growing well in most areas. Safflower was blooming in the southern San Joaquin Valley. Spring harvest of sugar beets has been delayed until late July or early August. Limited harvest was ongoing in areas with sandier soils, some new crop fields were treated for mildew. Planting of dry edible beans was delayed by wet soils in most areas. Growth of earlier seeded fields was slowed by cool temperatures. Wet weather last week continued to wreak havoc in orchards, vineyards. Most crops were 2 to 3 weeks behind in maturity. Cherry growers have lost most of the crop to fruit splitting. Grape growers applied sulfur to vines to control powdery mildew. There were concerns of botrytis developing. Fresh grapes from the Coachella Valley were picked, many grapes were slow to mature. Early varieties of apricots, nectarines, freestone peaches, plums were picked. Growth cracks, brown rot were reported in stone fruit. The cool nights were beneficial for coloration, but not sizing. Almond growers were concerned about anthracnose developing in almond clusters. Some yellowing of almond leaves suggested waterlogged roots. Strawberries also suffered from losses due to wet conditions. Many salvaged strawberries went to juice. Monterey county raspberry picking began. Avocado, olive trees were blooming. Harvest continued in the citrus crops. Rain delayed vegetable production activities in the San Joaquin, Sacramento Valleys. In Fresno County, the spring head, leaf lettuce harvests were nearing completion. Growers in the Santa Maria-Oceano area were having difficulties controlling mildew in head lettuce fields. Romaine lettuce was affected by fungus, root diseases. Processing tomato planting was delayed. Tomatoes already planted were not doing well due to cool weather conditions in northern areas. The increase in acreage of late-planted tomatoes boosted the potential for late blight development. Processing tomatoes will be harvested into late October if weather permits. Some tomato transplants may not be planted if the cool, wet weather persist. Tomato growers in the Sacramento Valley expect serious problems with bacterial speck, other fungal diseases. Potato harvest in the Imperial-Coachella Valley was 50% completed. The weather in the San Joaquin Valley stimulated increased potato blight in the spring crop. Potato planting was 50% completed in the Tulalake-Butte Valley. Sweet potatoes were planted in the San Joaquin Valley. Garlic fields looked good in the Gilroy-Hollister area. Warmer weather conditions in Tulare County increased the picking of squash, cucumbers. Broccoli, cauliflower were harvested in the coastal valleys, San Joaquin Valley. Melon harvest continued in the Imperial, Coachella Valleys, while planting progressed where weather permitted in the central valleys. Harvest of sweet corn continued in desert areas. Sweet corn in the San Joaquin Valley was irrigated, fertilized, weeded, treated for worms. Onions were planted in the Tulalake-Butte Valley area harvested in the Imperial-Coachella Valley. Spinach in Santa Barbara County was experiencing humidity-related diseases. Spinach harvest continued in the San Joaquin Valley. Pasture feed, rangeland remained in excellent condition in most areas of the State, despite last week's rainfall. Range, pasture feed conditions were comparable to conditions in March of most years. Annual grasses were maturing, drying on southwest facing, lower elevation foothill slopes. Some high-elevation pasture, rangeland were still under snow cover last week. Above-average moisture, cooler temperatures encouraged further growth of immature range, pasture vegetation. However, additional rainfall decreased the nutritional quality of mature, drying forage grasses. Cattle, calves made good weight gains on

pasture, range forage. Some areas reported development of moisture-related diseases in livestock. Calves were being weaned, moved to market last week. Rainy weather forced dairy cattle to spend more time under shelter, increasing feed costs, decreasing milk production. On dry days, bees were actively pollinating seed alfalfa, melon, vegetable crops.

COLORADO: Days suitable for fieldwork 6.4. Topsoil 5% very short, 33% short, 61% adequate, 1% surplus. Subsoil 5% very short, 23% short, 70% adequate, 2% surplus. Generally warm, windy conditions prevailed throughout the week, with only scattered showers. Spring barley 96% emerged, 99% 1997, 92% avg.; 1% poor, 7% fair, 44% good, 48% excellent. Oats 97% seeded, 100% 1997, 95% avg.; 85% emerged, 94% 1997, 83% avg.; 1% very poor, 9% poor, 14% fair, 66% good, 10% excellent. Dry onions 1% very poor, 2% poor, 11% fair, 68% good, 18% excellent. Sugar beets 20% thinned, 5% 1997, 6% avg.; 2% very poor, 3% poor, 11% fair, 69% good, 15% excellent. Summer potatoes 95% emerged, 86% 1997, 74% avg.; 2% poor, 14% fair, 66% good, 18% excellent. Fall potatoes 99% planted, 100% 1997, 91% avg.; 5% emerged, 10% 1997, 10% avg. Dry beans 29% planted, 31% 1997, 17% avg.; 8% emerged, 4% 1997, 2% avg. Alfalfa 21% 1st cutting, 13% 1997, 7% avg. Winter wheat 98% jointed, 99% 1997, 95% avg. Spring wheat 98% planted, 100% 1997, 97% avg.; 84% emerged, 91% 1997, 82% avg.; 1% very poor, 1% poor, 9% fair, 54% good, 35% excellent. Livestock mostly fair to good.

DELAWARE: Days suitable for fieldwork 6.8. Topsoil 46% short, 53% adequate, 1% surplus. Subsoil 1% short, 98% adequate, 1% surplus. Winter wheat 3% very poor, 2% poor, 35% fair, 47% good, 13% excellent; 20% turned, 4% 1997, 4% avg. Corn for grain 90% planted, 86% 1997, 92% avg.; 73% emerged. Soybeans 27% planted, 21% 1997, 28% avg.; 13% emerged. Barley 3% very poor, 5% poor, 17% fair, 67% good, 8% excellent; 60% turned, 53% 1997, 51% avg. Sweet corn 63% planted, 60% 1997, 78% avg. Cucumbers 28% planted, 28% 1997, 32% avg. Cantaloupes 66% planted, 60% 1997, 66% avg. Snap beans 36% planted, 25% 1997, 43% avg. Tomatoes 66% planted, 52% 1997, 68% avg. Watermelons 65% planted, 57% 1997, 69% avg. Green peas 15% harvested, 4% 1997, 7% avg. Strawberries 30% harvested, 31% 1997, 34% avg. Other hay 75% 1st cutting harvested, 74% 1997, 67% avg. Alfalfa 68% 1st cutting harvested, 68% 1997, 60% avg. Hay supplies 25% short, 74% adequate, 1% surplus. Pasture feed 5% poor, 17% fair, 71% good, 7% excellent. Activities: Harvesting of barley, peas, hay, strawberries continued. Lots of irrigation.

FLORIDA: Topsoil throughout State mostly very short to short, with adequate moisture in scattered areas. Showers late last week helped some. Sugarcane growth normal. Wheat harvest winding down. Dry soil conditions delaying cotton, peanut, soybean planting. Some farmers replanting cotton because of poor stands due to dry soils. All dry land crops under stress because of hot, dry conditions. Peanuts planted 83%. Peanut very poor 2%, poor 9%, fair 66%, good 23%. Vegetable growers in Quincy area are starting to pick tomatoes. Major vegetables shipped during the week include snap beans, blueberries, cabbage, carrots, celery, sweet corn, cucumbers, eggplant, okra, parsley, peppers, potatoes, radishes, squash, tomatoes, watermelons. Some rain all citrus areas, much more needed. New growth limited, new crop fruit drop almost over. Some post bloom fruit blight droppage heaviest on Navels, Valencias. Valencia harvest slowing in some areas. Grapefruit movement slow as packing houses closing. Caretakers cutting cover crops, spraying, fertilizing, herbiciding. Hedging, topping continues. Pasture feed very poor 15%, poor 25%, fair 60%. Cattle very poor 5%, poor 5%, fair 85%, good 5%.

GEORGIA: Days suitable for fieldwork 6.4. Soil moisture 33% very short, 42% short, 24% adequate, 1% surplus. Corn 13% silked, 23% 1997, 21% avg. Hay 2% very poor, 10% poor, 43% fair, 40% good, 5% excellent. Peanuts 10% blooming, 7% 1997, 14% avg. Sorghum 5% very poor, 7% poor, 34% fair, 54% good; 67% planted, 51% 1997, 67% avg. Soybeans 4% very poor, 6% poor, 48% fair, 42% good. Tobacco 4% poor, 34% fair, 57% good, 5% excellent. Onions 5% very poor, 17% poor, 42% fair, 36% good; 88% harvested, 99% 1997, 98% avg. Watermelons 2% very poor, 6% poor, 39% fair, 44% good, 9% excellent. Apples 8% fair, 81% good, 11% excellent. Peaches 15% very poor, 34% poor, 30% fair, 11% good, 10% excellent; 20% harvested, 32% 1997, 25% avg. Pecans 5% very poor, 16% poor, 47% fair, 29% good, 3% excellent. Hot, dry conditions continued this week. Most planting halted. Scattered showers across the State. Significant rain needed in most areas. Excellent progress wheat, hay harvesting. Irrigating all crops, vegetable continues where possible. Weed, disease control in corn, cotton, peanuts. Activities: Planting soybeans, sorghum, vegetables and spraying herbicides, fungicides. Harvesting peaches.

HAWAII: No weather data available.

IDAHO: Days suitable for fieldwork 3.4. Topsoil 41% surplus, 59% adequate. Persisting wet weather, below-normal temperatures are slowing crop development. Flooding in Treasure Valley of low-lying cropland. Alfalfa hay 1st cutting 8%, 1997 15%, avg. 13%. Irrigation supply 61% excellent, 39% good. Dry beans planted 18%, 1997 48%, avg. 36%; emerged 4%, 1997 9%, avg. 10%. Dry peas emerged 99%, 1997 59%, avg. 70%. Lentils emerged 96%, 1997 60%, avg. 62%. Oats planted 95%, 1997 95%, avg. 91%; emerged 81%, 1997 81%, avg. 78%. Corn planted 85%, 1997 94%, avg. 91%; emerged 62%, 1997 83%, avg. 66%. Potatoes planted 91%, 1997 94%, avg. 92%; emerged 32%, 1997 40%, avg. 34%. Barley jointed 37%; booting 14%; headed 3%. Spring wheat jointed 41%; booting 11%. Winter wheat jointed 89%; booting 49%. Sugar beets emerged 99%, 1997 100%, avg. 97%. Activities: Planting potatoes, small grains, dry beans, lentils, corn, cultivating, weed control, irrigation, scouting fields, fencing, moving livestock to spring pasture.

ILLINOIS: Days suitable for fieldwork 3.2. Topsoil 6% short 54% adequate, 40% surplus. During the week, a number of activities relating to the corn crop took place including replanting acres affected by the excess moisture, digging ditches to improve drainage, applying fertilizer, scouting for wireworms, cutworms, spraying, hoeing to improve corn stands, trying to plant all remaining fields. There is concern for the amount of damage diseases will cause to the wheat crop this year. In the southeastern portion of the State, there are reports of rampant disease in the fields, causing the crop to lose its color. With all the moisture this spring, the hay crop is maturing quickly, appears to be in good condition. Corn height 5 in., 5 in. 1997, 3 in. avg. Winter wheat filled 73%, 35% 1997, 35% avg. Winter wheat turning yellow 31%, 1% 1997, 4% avg. Oats headed 9%, 11% 1997, 14% avg.; 2% very poor, 3% poor, 18% fair, 60% good, 17% excellent; filled 1%, 0% 1997, 2% avg. Alfalfa hay 2% poor, 17% fair, 63% good, 18% excellent; 1st cut 57%, 28% 1997, 28% avg. Red clover 4% poor, 23% fair, 61% good, 12% excellent; cut 43%, 26% 1997, 26% avg.

INDIANA: Days suitable for fieldwork 4.0. Topsoil 4% very short, 14% short, 54% adequate, 28% surplus. Subsoil 2% very short, 8% short, 69% adequate, 21% surplus. Producers in the southern region continue to face weather-related delays. In contrast, the northern region of the State is rapidly drying out, leaving farmers looking for rain. Range, pasture feed 2% poor, 18% fair, 62% good, 18% excellent. Alfalfa 1st cutting 57% complete. Transplanting of tobacco 26% complete. Activities: Planting corn, soybeans, field preparation, cutting hay, caring for livestock.

IOWA: Days suitable for fieldwork 3.5. Topsoil very short 1%, short 5%, adequate 70%, surplus 24%. Subsoil short 4%, adequate 74%, surplus 22%. Planting of soybeans lagged behind in the south-central, southeast portions, emergence made good progress across the State. Scattered hail, strong winds caused damage to early crops in large areas of the State. 1998 row crops: Corn planted 99%, 100% 1997, 92% avg.; emerged 95%, 84% 1997, 71% avg. Soybeans planted 90%, 91% 1997, 67% avg.; emerged 76%, 41% 1997, 32% avg. Oats emerged 99%, 100% 1997, 95% avg. Corn 1% very poor, 1% poor, 14% fair, 53% good, 31% excellent. Soybean 1% poor, 28% fair, 57% good, 14% excellent. Oat 1% very poor, 3% poor, 15% fair, 59% good, 22% excellent. All hay 1% very poor, 2% poor, 13% fair, 53% good, 31% excellent. Pasture feed 1% very poor, 2% poor, 16% fair, 52% good, 29% excellent.

KANSAS: Days suitable for fieldwork 5.9. Topsoil 4% very short, 35% short, 59% adequate, 2% surplus. Subsoil 1% very short 15% short, 82% adequate, 2% surplus. The abnormally high temperatures this past week put stress on the State's wheat crop and could result in reduced yields in some areas. Some locally severe hail storms occurred last weekend, causing significant hail damage. Alfalfa hay 92% 1st cutting, 57% 1997, 47% avg. Sunflowers planted 28%. Warm dry weather allowed planting of fall crops to make good progress. Major field activities were seedbed preparation, planting fall crops, spraying, cutting alfalfa. Pasture feed 3% poor, 17% fair, 67% good, 13% excellent. Stock water 3% short, 95% adequate, 2% surplus. Major livestock activities: Moving cattle to summer pasture, working spring calves.

KENTUCKY: Days suitable for fieldwork 2.5. Topsoil 1% short, 66% adequate, 33% surplus. Subsoil 1% short, 69% adequate, 30% surplus. Cool wet weather gave way to humid conditions by midweek, causing scattered storms throughout the State. Rain hampered field activities in many areas but helped promote growth. Corn planting was winding down, while soybeans were getting into full swing. Average corn height 10 in., most

advanced 18 in. Burley tobacco acreage set 38% complete, 34% 1997, 40% avg. Dark tobacco 43% set, 39% 1997 51% avg. Winter wheat 3% very poor, 10% poor, 27% fair, 48% good, 12% excellent. Pasture feed 2% poor, 17% fair, 59% good, 22% excellent. Hay 2% poor, 22% fair, 58% good, 18% excellent. Sorghum planting advanced to 16%. Barley harvested 21%.

LOUISIANA: Days suitable for fieldwork 6.7. Soil moisture 49% very short, 34% short, 15% adequate, 2% surplus. Corn 13% very poor, 18% poor, 50% fair, 17% good, 2% excellent; 26% silked, 11% 1997, 20% avg. Cotton 99% emerged, 96% 1997, 97% avg. At this point, cotton does not appear to be as affected by the dry weather as much as other crops. Hay 80% first cutting, 57% 1997, 57% avg. Peaches 8% harvested, 7% 1997, 8% avg. Rice producers are trying to keep water pumps going, and some surface water is being affected by salt water intrusion. Sorghum 7% poor, 52% fair, 41% good; 92% emerged, 84% 1997, 85% avg. Soybeans 1% very poor, 13% poor, 43% fair, 40% good, 3% excellent. Soybean planting has stopped while producers wait on rain. Spring plowing 99% plowing, 95% 1997, 97% avg. Sugarcane 6% poor, 25% fair, 52% good, 17% excellent. Sweet potatoes 30% planted, 34% 1997, 31% avg. Wheat 8% poor, 29% fair, 52% good, 11% excellent; 86% harvested, 26% 1997, 45% avg. Livestock 1% very poor, 8% poor, 36% fair, 48% good, 6% excellent. Vegetables 3% very poor, 21% poor, 39% fair, 34% good, 3% excellent.

MARYLAND: Days suitable for fieldwork 6.2. Subsoil 4% very short, 17% short, 76% adequate, 3% surplus. Topsoil 9% very short, 33% short, 53% adequate, 5% surplus. Winter wheat 2% very poor, 7% poor, 30% fair, 52% good, 9% excellent; 32% turned, 6% 1997, 9% avg. Barley 3% very poor, 6% poor, 28% fair, 54% good, 9% excellent; 85% turned, 32% 1997, 50% avg.; 10% harvested. Rye 2% poor, 10% fair, 71% good, 17% excellent; 45% turned, 44% 1997, 21% avg. Field corn 91% planted, 91% 1997, 90% avg.; 80% emerged. Soybeans 24% planted, 34% 1997, 29% avg.; 15% emerged. Tobacco 43% transplanted, 41% 1997, 36% avg. Sweet corn 88% planted, 74% 1997, 77% avg. Green peas 15% harvested, 6% 1997, 8% avg. Tomatoes 95% planted, 89% 1997, 85% avg. Cantaloupes 93% planted, 85% 1997, 83% avg. Watermelons 90% planted, 86% 1997, 82% avg. Snap beans 72% planted, 81% 1997, 71% avg. Lima beans 30% planted, 24% 1997, 41% avg. Strawberries 45% harvested, 36% 1997, 28% avg. Pasture feed 1% very poor, 5% poor, 21% fair, 51% good, 22% excellent. Other hay 64% 1st cutting harvested, 45% 1997, 40% avg. Alfalfa hay 80% 1st cutting harvested, 55% 1997, 58% harvested. Hay supplies 4% very short, 6% short, 80% adequate, 10% surplus. Activities: Topsoil very dry, precipitation on 31st night helped a little. Scab problems, powdery mildew disease in wheat being reported, soybean planting getting in full swing the previous week.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 24% very short, 47% short, 28% adequate, 1% surplus. Subsoil 11% very short, 50% short, 39% adequate. All hay first cutting 32%. Asparagus harvested 85%, 32% 1997, 49% avg. Drybeans planted 6%, 0% 1997. Potatoes planted 97%, 87% 1997, 84% avg. Potatoes emerged 85%, 44% 1997, 35% avg. Except for scattered showers, State mostly dry. Pastures, hay crops reaching a critical dry stage Upper Peninsula. Early-planted crops doing well. Some grain crop heading at shorter-than-normal height. Farmers were surveying extent of damage, particularly to fruit trees. Field crops showed stress due to dry weather. Hay and pastures yields Upper Peninsula 50% of normal, while alfalfa yield, quality high in the central, southern areas. Lack of moisture delayed dry bean planting. Most corn planted, with spotty germination dryer areas. Wheat headed over most State. Drier air has reduced disease pressure. Sugar beets in good condition. Half of soybean crop planted, with spotty emergence in dryer areas and some replanting. Cooler temperatures improved asparagus quality, as processing harvest ended and fresh market ending this week. Yields satisfactory. Cabbage showed great progress. Onion fields at 2-4 leaf stage Grand Rapids area. Celery transplanting continued. Direct-seeded cucumber plantings at sixth leaf stage southwest. Early transplants under tunnels close to flowering. Pepper transplants established well. Warm weather promoted rapid sweet corn emergence, growth, almost a foot tall in the earliest plantings. Tomato planting delayed due to dry soils. Processing tomatoes transplanting 75% complete. Early-market tomatoes began to set fruit. Early snap beans close to harvest. Fruit development 2 weeks ahead of normal. Cooler weather and moisture eased moisture shortage in the southwest, west-central areas. Moisture supplies critically low in the southeast and northwest. Powdery mildew strikes moderate. Apple trees had 20-25 mm fruit. Apple crop southwest generally light, except for Golden Delicious. Fruit set good to excellent in the Grand Rapids area. Romes and Golden Delicious overset; Idared, Empires needed moderate thinning. Strawberry harvesting continued. Sweet cherries began coloring. Tart cherries had green fruit; harvesting to start in the southwest in 3 weeks. Pears set a heavy crop. Peach at pit hardening to June drop, looks very good west-central area. Grapes blooming.

MINNESOTA: Days suitable for fieldwork 5.4. Topsoil 7% very short, 21% short, 63% adequate, 9% surplus. Corn 98% emerged, 75% 1997, 67% avg.; 25% cultivated, 1% 1997, 4% avg. Soybeans 97% planted, 90% 1997, 73% avg.; 84% emerged, 28% 1997, 31% avg.; 5% cultivated, 0% 1997, 1% avg. Spring wheat 97% emerged, 51% 1997, 68% avg.; 37% jointed, 2% 1997, 9% avg. Oats 98% emerged, 86% 1997, 87% avg.; 35% jointed, 5% 1997, 11% avg. Barley 97% emerged, 46% 1997, 64% avg.; 39% jointed, 1% 1997, 8% avg. Sunflowers 75% planted, 48% 1997, 64% avg. Potatoes 91% planted, 63% 1997, 75% avg. Sweet corn 86% planted, 73% 1997, 67% avg. Dry edible beans 84% planted, 51% 1997, 58% avg. Flax 85% planted, 50% 1997, 59% avg. Alfalfa 55% 1st cutting, 1% 1997, 4% avg. Spring wheat 1% very poor, 3% poor, 29% fair, 63% good, 4% excellent. Corn 2% poor, 18% fair, 57% good, 23% excellent. Soybeans 3% poor, 23% fair, 58% good, 16% excellent. Oats 1% very poor, 2% poor, 22% fair, 64% good, 11% excellent. Barley 1% very poor, 3% poor, 30% fair, 38% good, 28% excellent. Sugar beets 1% very poor, 5% poor, 35% fair, 46% good, 13% excellent. Pasture feed 2% very poor, 6% poor, 22% fair, 61% good, 9% excellent. Temperatures last week were above normal for the eleventh consecutive week. Strong storms moved across central areas over the weekend, causing localized damage. Precipitation was slightly above normal last week, with the southwest district receiving the least amount of rainfall.

MISSISSIPPI: Days suitable for fieldwork 5.1. Soil moisture 16% very short, 19% short, 48% adequate, 17% surplus. Corn 96% emerged, 100% 1997, 95% avg.; 3% silked, 6% 1997, 4% avg.; 6% poor, 26% fair, 58% good, 10% excellent. Rice 97% planted, 99% 1997, 93% avg.; 91% emerged, 95% 1997, 88% avg.; 2% poor, 17% fair, 73% good, 8% excellent. Soybeans 82% planted, 79% 1997, 68% avg.; 71% emerged, 67% 1997, 57% avg.; 2% poor, 26% fair, 66% good, 6% excellent. Peanuts 60% planted, 94% 1997, 88% avg. Sweet potatoes 23% planted, 10% 1997, 26% avg. Hay 70% harvested (cool season), 79% 1997, 62% avg.; 11% harvested (warm season) 11% 1997, 21% avg. Peaches 10% harvested, 12% 1997, 8% avg. Wheat 62% mature, 45% 1997, 61% avg.; 20% harvested, 3% 1997, 9% avg.; 3% very poor, 4% poor, 16% fair, 70% good, 7% excellent. Watermelons 80% planted, 93% 1997, 94% avg.; 21% poor, 24% fair, 49% good, 6% excellent. Blueberries 14% poor, 33% fair, 49% good, 4% excellent. Cattle 4% poor, 25% fair, 57% good, 14% excellent. Pasture feed 2% very poor, 15% poor, 38% fair, 39% good, 6% excellent. Activities: Planting row crops, harvesting hay. Last week's rain was beneficial to row crop, cattle conditions.

MISSOURI: Days suitable for fieldwork 4.7. Topsoil 2% very short, 15% short, 71% adequate, 12% surplus. Corn least advanced in northeast, east central, while all other districts 96% or more complete. Cutworm damage reported in corn fields in several northern counties. Single-crop soybean planting ranged most advanced in the central, northwest 90%. Wheat heading complete, except a few northern counties. First crop alfalfa cut 61%, 33% 1997, 34% avg. Other hay cut 35%, 15% 1997, 17% avg. Pasture feed 2% poor, 21% fair, 66% good, 11% excellent.

MONTANA: Days suitable for fieldwork 6.0. Topsoil 30% very short, 38% short, 27% adequate, 5% surplus. Subsoil 35% very short, 35% short, 26% adequate, 4% surplus. Some much-needed rains came to many areas of State, more is still needed. Many comments of pasture, ranges too dry yet. Oats seeded 98%, 93% 1997, 91% avg.; emerged 86%, 73% 1997, 70% avg.; 2% very poor, 16% poor, 55% fair, 26% good, 1% excellent. Corn planted 96%, 95% 1997, 91% avg.; emerged 82%, 81% 1997, 60% avg. Dry beans planted 100%, 95% 1997, 88% avg.; emerged 90%, 62% 1997, 42% avg. Potatoes planted 71%, 82% 1997, 76% avg.; emerged 10%, 23% 1997, 13% avg. Cattle moved to summer ranges 79%, sheep moved 77%.

NEBRASKA: Day suitable for fieldwork 5.0. Topsoil 2% very short, 17% short, 78% adequate, 3% surplus. Subsoil 1% very short, 12% short, 84% adequate, 3% surplus. Dry, warmer weather conditions for much of last week allowed rapid planting progress and excellent growing conditions. Central, eastern parts of the State experienced thunderstorms on 28th of last week, bringing hail, high winds, rain. Reports in the central parts of the State indicated that some producers replanted corn and soybeans due to hail damage. Winter wheat 2% very poor, 9% poor, 21% fair, 58% good, 10% excellent; 97% jointed, 92% 1997, 97% avg.; 70% headed, 53% 1997, 44% avg. Corn 96% emerged, 87% 1997, 71% avg.; wireworm presence in some fields. Soybeans 92% planted, 83% 1997, 61% avg.; 69% emerged, 46% 1997, 30% avg.; central, eastern parts of the State reported bean leaf beetles in early-planted fields. Sorghum 87% planted, 76% 1997, 52% avg.; 51% emerged, 29% 1997, 21% avg. Dry beans 16% planted, 10% 1997, 17% avg. Alfalfa 4% poor, 23% fair, 58% good, 15% excellent, 23% 1st cutting,

4% 1997, 12% avg. Wild hay 4% poor, 21% fair, 59% good 16% excellent. Pasture feed 6% poor, 22% fair, 62% good, 10% excellent. Activities: Cultivating row crops, haying, working, working cattle to summer pastures.

NEVADA: Unseasonably cold weather finally gave way to summer-like weather. Only nominal precipitation was received anywhere in the State. Alfalfa hay harvest, which had been delayed by cool, rainy weather, commenced in northern areas of the State. The second cutting of alfalfa was underway in the Virgin Valley. Alfalfa crop condition rates mostly good, although weeds have been a problem for many growers. Spring grain, potato planting were nearly completed as the fair weather allowed fieldwork. Calving, lambing near complete. Branding, shearing, movement of livestock to summer range very active. Main farm, ranch activities: Hay harvest, row crop planting, weed control, fertilizing, working livestock.

NEW ENGLAND: Days suitable for fieldwork 6.0. Topsoil 19% short, 79% adequate, 2% surplus. Subsoil 2% very short, 20% short, 75% adequate, 3% surplus. Pasture feed 1% poor, 18% fair, 70% good, 11% excellent. Maine potatoes 95% planted, 30% 1997, 70% avg.; 10% emerged, condition good to excellent. Massachusetts potatoes 99% planted, 90% 1997, 95% avg.; 85% emerged, condition good. Rhode Island potatoes 95% planted, 85% 1997, 85% avg.; 40% emerged, condition excellent to good. Oats in Maine 99% planted, 25% 1997, 70% avg.; 75% emerged, condition good to excellent. Barley in Maine 99% planted, 25% 1997; 70% emerged, condition good to excellent. Field corn 75% planted, 55% 1997, 65% avg.; 55% emerged, condition good to excellent. Sweet corn 65% planted, 50% 1997, 60% avg.; 50% emerged, condition good to fair. Shade tobacco 85% planted, 70% 1997, 75% avg.; condition good. Broadleaf tobacco 35% planted, 30% 1997, 20% avg.; condition good. First cut hay 25% harvested, <5% 1997, 5% avg.; condition good to excellent. Apples petal fall, set average to below average, condition fair to good. Peaches petal fall, set average, condition good. Pears petal fall, set average, condition good to excellent. Strawberries petal fall to full bloom, set average, condition good to fair. Cranberries bud stage, condition good. Highbush blueberries petal fall, set average, condition good to fair. Wild blueberries petal fall, set average, condition excellent. Another good week for fieldwork, with dry weather pushing planting toward completion in many areas. Hay harvest underway 1 to 2 weeks early. Rain arrived over the weekend to restore moisture levels. Major farm activities: Planting corn, tobacco, potatoes, vegetables; spreading manure; fertilizing; spraying fruit trees.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil adequate in central, northern areas. However, topsoil moisture is short in some areas of southern areas, causing farmers to irrigate. Farmers are spraying for disease, pests, planting, cultivating. Planting of tomatoes is increasing, while snap bean planting is virtually finished. Harvesting of asparagus, turnips, spinach, beets, leeks, Chinese cabbage, endive, escarole, collards, kale, dandelion, Swiss chard, arugula, basil, cilantro, parsley continue. A good volume of lettuce, (bib, Boston, iceberg), with a light, increasing harvest of fava beans, peas, green, yellow squash reported. Blueberries, peaches are sizing well. Thinning of peaches occurring. Strawberry harvest is in full swing. Wheat, rye are heading up with barley beginning to turn yellow. First cutting of hay continues. Some early-planted field corn reported to be 6 to 8 inches in height. Planting of soybeans, some field corn continue. Pasture feed good condition.

NEW MEXICO: Days suitable for fieldwork 6.8. Topsoil dropped as a result of the dry weather, falling to 16% very short, 57% short, 27% adequate. Above-normal temperatures, dry weather continued last week. With a couple of weeks remaining before harvest, winter wheat 4% very poor, 10% poor, 39% fair, 46% good, 1% excellent; 98% headed, 96% 1997, 94% avg. Cotton plantings were nearly completed; 98% planted, 99% 1997, 94% avg.; 0% squared, 0% 1997, 0% avg.; 1% very poor, 1% poor, 26% fair, 49% good, 23% excellent. Corn plantings also neared completion, with 95% planted, 95% 1997; 94% emerged; 1% poor, 22% fair, 72% good, 5% excellent. Irrigated sorghum plantings progressed on schedule as dryland farmers continued to wait for rainfall before beginning. Overall 21% of the total sorghum crop was in the ground, 42% 1997, 31% avg.; 18% poor, 65% fair, 17% good. First cutting of alfalfa reached 80% complete, 77% 1997; 2nd cutting 16% complete, 41% 1997. Alfalfa 16% fair, 68% good, 16% excellent. Last week's hot, dry winds were a problem for the chile crop; 1% poor, 21% fair, 61% good, 17% excellent. Lettuce harvest neared completion, 90% harvested, 98% 1997; 18% fair, 29% good and 53% excellent. Onion harvest began last week, 4% complete; condition remained good to excellent. Apples were in good condition with an average fruit set. Pecans remained in good to excellent condition, with an average nut set reported. Cattle, sheep were mostly in fair to good condition. Pasture feed,

range condition fell again last week, to 3% very poor, 20% poor, 45% fair, 32% good.

NEW YORK: Days suitable for fieldwork 5.7 Soil moisture 42% short, 58% adequate. Pasture feed 17% fair, 73% good, 10% excellent. Wheat heading out, 5% fair, 90% good, 5% excellent. Oats maturing rapidly. Corn 86% planted, 67% 1997, 67% avg. Soybeans 66% planted, 4% 1997. Dry beans 37% planted, 1% 1997, 3% avg. Hay harvest in full swing. Alfalfa first cutting 42% complete, 3% 1997, 4% avg. Clo-tim 42% cut, 2% 1997, 2% average. Rain needed for regrowth. Upstate potatoes beginning to emerge. Potato planting continued active. Apple crop in good condition, with favorable fruit set. Tart cherry crop only 40 to 50% of normal due to earlier frost damage. Grapes in Lake Erie region ready to bloom. Pre-bloom sprays applied. Sweet corn planting continued. Strawberry harvest underway. Snap beans, tomatoes, cabbage near half planted. Irrigation needed in many areas.

NORTH CAROLINA: Days were suitable for fieldwork 5.5. Soil 14% short, 68% adequate and 18% surplus. After several hot, dry days, severe storms hit the State toward the latter part of the week. Rough weather brought spotty, much-needed rains to many parts of the State. Despite the localized storms, some areas remain short of moisture. Peanut crop remains significantly behind the 5-year planting average, while farmers are finishing up their corn, cotton, flue-cured tobacco plantings. Activities for the week included: Planting corn, cotton, peanuts, sorghum, soybeans; transplanting tobacco, sweet potatoes; cutting hay, tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 6. Topsoil 13% very short, 29% short, 53% adequate, 5% surplus. Subsoil 9% very short, 24% short, 62% adequate, 5% surplus. Producers continued to make substantial planting progress as weather remained favorable during most of the week. Scattered heavy rain, hail damage was reported in the northwest, northeast, central districts. Freezing temperatures in the northern districts also caused some damage to canola, other minor oilseeds. However, producers were hopeful for a recovery. Planting of all crops, except soybeans, sunflower, neared completion, well ahead of the 5-year average. Durum wheat was 97% planted, 89% 1997, 81% avg.; 80% emerged, 47% 1997, 51% avg.; 4% jointing, 0% 1997, 1% avg. Canola 98% planted, 91% 1997; 88% emerged, 36% 1997; 10% rosette, 0% 1997. Corn 96% planted, 91% 1997, 83% avg.; 73% emerged, 52% 1997, 46% avg. Dry edible beans 89% planted, 67% 1997, 63% avg.; 47% emerged, 10% 1997, 18% avg. Flaxseed 97% planted, 71% 1997, 59% avg.; 81% emerged, 26% 1997, 26% avg. Potatoes 92% planted, 80% 1997, 88% avg.; 39% emerged, 9% 1997, 14% avg. Soybeans 86% planted, 68% 1997, 68% avg.; 51% emerged, 22% 1997, 30% avg. Sugar beets 100% emerged, 53% 1997, 76% avg. Sunflower 74% planted, 50% 1997, 50% avg.; 37% emerged, 11% 1997, 13% avg. Emerged crop condition: Durum 6% poor, 28% fair, 60% good, 6% excellent; canola 2% very poor, 6% poor, 21% fair, 50% good, 21% excellent; corn 1% very poor, 5% poor, 19% fair, 56% good, 19% excellent; dry edible beans 1% very poor, 2% poor, 8% fair, 64% good, 25% excellent; flaxseed 5% poor, 23% fair, 61% good, 11% excellent; potatoes 6% fair, 57% good, 37% excellent; soybeans 3% very poor, 7% poor, 13% fair, 63% good, 14% excellent; sugar beets 1% very poor, 3% poor, 7% fair, 58% good, 31% excellent; sunflower 3% poor, 16% fair, 63% good, 18% excellent. Average height for the late season crops ranged from 2 to 4 inches. Dry soil conditions hinder hay crop potential and pasture growth in west, south-central districts. In the west, some cattle were receiving supplemental feed while on pasture. Pastures, ranges supplied 95% of roughage requirements. Stock water 10% short, 84% adequate, 6% surplus. Many pest problems throughout State. Broadleaf, wild oat spraying 33%, 49% complete, respectively.

OHIO: Days suitable for fieldwork 5.5. Topsoil 5% very short, 25% short, 58% adequate, 12% surplus. In the northern part: producers are starting to irrigate their vegetable crops due to the lack of rain. Corn planted 11 days ahead of avg.; emerged 10 percentage points ahead avg. Soybeans planted 9 days ahead of avg.; emerged 5 percentage points above the avg. Winter wheat headed 22 days ahead avg; 4% turning color, 0% 1997, 0% avg. Oats are virtually emerged; 15% headed, 0% 1997, 1% avg. Alfalfa hay 57% 1st cutting, 7% 1997, 23% avg. Other hay 47% 1st cutting, 3% 1997, 14% avg. Potatoes 99% planted, 90% 1997, 91% avg. Tobacco 28% transplanted. Processing tomatoes 90% transplanted, 47% 1997, 65% avg. Sugar beets 100% planted. Corn 2% poor, 22% fair, 59% good, 17% excellent. Hay 1% poor, 14% fair, 56% good, 29% excellent. Strawberries 1% poor, 11% fair, 64% good, 24% excellent. Activities: Field cultivation; seeding CRP, alfalfa; staking, trellising tomatoes; planting sweet corn, vegetables; applying herbicides; spreading fertilizer, spreading manure, applying anhydrous ammonia, side dressing some corn; green chopping hay, early planted oats;

filling silos; raking, baling hay; mowing ditches, CRP; bush hogging weeds; moving last year's stored crop; repairing, maintaining equipment. Growers are keeping busy marketing nursery crops before the dry hot season sets in. Reported weed pressures: Giant, common ragweed; Canadian thistles; hemp dogbane; field bindweed; common milkweed; other grass, broadleaf weeds. Reported insects: Grubs, corn flea beetle, black cutworm in corn; spotty bean leaf beetle in soybeans; army worms, potato leafhopper, meadow spittlebug in alfalfa; strawberry leaf rollers in strawberry beds; mosquitos, carpenter bees, gypsy moths, slugs, aphids, ticks. Reported diseases: Powdery mildew, different types of rusts, slight smut, wheat spindle streak mosaic virus in wheat; early blight on tomatoes; target spot on tobacco; some mold on strawberries.

OKLAHOMA: Days suitable for fieldwork 5.7. Topsoil 6% very short, 45% short, 48% adequate, 1% surplus. Subsoil 3% very short, 24% short, 72% adequate, 1% surplus. Hot, dry weather accelerated early wheat harvest, adversely affected dryland row crops. Wheat 71% soft dough, 57% 1997, 63% avg. Oats 92% heading, 90% 1997, 87% avg.; 49% soft dough, 49% 1997, 49% avg. Corn 7% fair, 93% good; 99% up-to-stand, 97% 1997, 96% avg. Sorghum 78% seedbed prepared, 75% 1997, 83% avg.; 9% up-to-stand, 8% 1997, 21% avg. Soybeans 87% seedbed prepared, 98% 1997, 85% avg.; 51% planted, 59% 1997, 50% avg.; 21% up-to-stand, 33% 1997, 29% avg. Peanuts 36% up-to-stand, 22% 1997, 26% avg. Cotton 51% up-to-stand, 20% 1997, 29% avg. Alfalfa hay 4% poor, 22% fair, 56% good, 18% excellent; 94% 1st cutting, 90% 1997, 83% avg.; 18% 2nd cutting, 5% 1997, 5% avg. Other hay 41% 1st cutting, 44% 1997, 45% avg. Livestock 2% poor, 21% fair, 75% good, 2% excellent. Feeder steer prices down \$1 per cwt. from the preceding week.

OREGON: Days suitable for fieldwork 2.5. Topsoil 1% short, 57% adequate, 42% surplus. Subsoil 2% short, 61% adequate, 37% surplus. Winter wheat 9% fair, 48% good, 43% excellent; headed 55%, 56% 1997, 59% avg. Range, pasture feed 11% fair, 52% good, 37% excellent. Activities: Rain welcomed in Columbia Basin, small grains needed moisture. Excessive rain ruined hay crops, flooded low fields, delayed spring planting in other east side areas. Sugar beets emerging Klamath Basin and Malheur County closed rows. Western growers reported Septoria showing in some wheat fields, others spraying for rust. Rain delayed haying operations, hampered red clover silage harvest and slowed field corn planting. Nurseries slowed down last week by excess rain. Rain also caused fungal and root rot diseases in greenhouses and outside stock. Excess rain good for late-planted Christmas trees. Greenhouse movement should improve with drier weather. Rain continued to plague vegetable growers on west side. Planting schedules ruined by 2 weeks of rain, many growers unable to meet processors' desired planting dates. Onions and sweet corn up, but need sunny weather. Early plantings emerged, but do not have good color or vigor. Early potatoes beginning to close rows in Malheur County and in northeast already closed rows and started to bloom. Half of potato acreage planted in Central Oregon, but rain delayed the balance. Willamette Valley Marion variety of blackberries in full bloom, early strawberries starting to ripen, and hazelnut clusters beginning to size. Rogue River Valley scab sprays continued to be applied to tree fruits. Southern coast cranberries blooming. Hand thinning of Bartlett pears started in Lower Hood River Valley. Mid-Columbia cherry crop appears to be largest in several years. Livestock good to excellent. Turnout to Federal allotments continued in northeast. Moisture stores indicate good grass year, cool weather holding back growth in eastern counties. Western low-lying pastures remained too wet to graze. Rogue River sheep growers finished shearing.

PENNSYLVANIA: Days suitable for fieldwork 6.2. Soil moisture 4% very short, 37% short, 58% adequate, 1% surplus. Topsoil adequate in central, northern areas. However, topsoil moisture is short in some areas of southern areas causing farmers to irrigate. Spring plowing 95% complete, 96% 1997, 93% avg. Corn planted 87% complete, 86% 1997, 80% avg. Soybeans planted 55% complete, 58% 1997, 51% avg. Oats planted 99% complete, 100% 1997, 97% avg. Potatoes planted 80% complete, 74% 1997, 78% avg. Barley 97% heading or headed, 91% 1997, 81% avg. Wheat 85% heading or headed, 67% 1997, 59% avg.; 1% very poor, 4% poor, 15% fair, 60% good, 20% excellent. Oat crop 3% poor, 22% fair, 55% good, 20% excellent. Alfalfa 1st cutting 48% complete, 38% 1997, 30% avg. Quality of hay made 9% fair, 55% good, 36% excellent. Activities: Planting of oats, corn, soybeans; cutting hay; spraying herbicides; machinery maintenance; hauling manure; marketing; caring for livestock; filling silos. Rainfall readings varied widely throughout the week across the Commonwealth 0.2 to 1.4 in.

SOUTH CAROLINA: Days suitable for fieldwork 5.9. Soil moisture 6% very short, 38% short, 52% adequate, 4% surplus. Apples 21% poor, 44% fair, 30% good, 5% excellent. Barley 67% turned color, 98% 1997, 87% avg.; 42% ripe, 83% 1997, 53% avg.; 28% harvested, 44% 1997, 22% avg.; 1% poor, 27% fair, 31% good, 41% excellent. Cantaloupes 16% poor, 39% fair, 36% good, 9% excellent. Cucumbers 25% harvested, 24% 1997, 13% avg.; 7% fair, 93% good. Hay 96% harvested, 90% 1997, 86% avg.; 4% poor, 27% fair, 58% good, 11% excellent. Oats 95% turned color, 97% 1997, 93% avg.; 64% ripe, 82% 1997, 70% avg.; 32% harvested, 44% 1997, 30% avg.; 1% very poor, 3% poor, 31% fair, 51% good, 14% excellent. Peaches 3% very poor, 7% poor, 19% fair, 40% good, 31% excellent. Rye 97% turned color, 94% 1997, 91% avg.; 71% ripe, 78% 1997, 63% avg.; 37% harvested, 39% 1997, 23% avg.; 2% very poor, 6% poor, 29% fair, 58% good, 5% excellent. Snapbeans 97% planted, 91% 1997, 87% avg.; 7% fair, 66% good, 27% excellent. Sorghum 62% planted, 56% 1997, 45% avg.; 14% fair, 57% good, 29% excellent. Tobacco 3% poor, 14% fair, 75% good, 8% excellent. Tomatoes 12% fair, 47% good, 41% excellent. Watermelons 99% planted, 100% 1997, 96% avg.; 1% very poor, 6% poor, 39% fair, 50% good, 4% excellent. Winter Wheat 97% turned color, 98% 1997, 95% avg.; 64% ripe, 59% 1997, 64% avg.; 12% harvested, 15% 1997, 15% avg.; 3% very poor, 9% poor, 47% fair, 36% good, 5% excellent.

SOUTH DAKOTA: Days suitable for fieldwork, 5.1. Topsoil 4% very short, 12% short, 69% adequate, 15% surplus. Subsoil 3% very short, 8% short, 69% adequate, 20% surplus. Good progress made planting row crops, well ahead of the five-year average. Winter wheat 2% poor, 10% fair, 53% good, 35% excellent; 84% boot, 25% headed. Winter rye 88% boot, 57% headed. Spring wheat 3% poor, 16% fair, 58% good, 23% excellent; 35% boot. Barley 2% poor, 12% fair, 67% good, 19% excellent. Oats 1% poor, 12% fair, 69% good, 18% excellent; 35% boot. Sunflower 58% seeded, 21% 1997, 29% avg. Flaxseed 99% seeded, 59% 1997, 53% avg. Soybeans 79% seeded, 61% 1997, 48% avg. Alfalfa 5% poor, 18% fair, 56% good, 21% excellent. Livestock 5% fair, 67% good, 28% excellent. Lambing 97% complete, calving 98% complete. Producers have moved 86% of the cattle to pasture. Feed supplies 1% very short, 4% short, 82% adequate, 13% surplus. Stock water supplies 4% short, 80% adequate, 16% surplus. Range, pasture feed 2% poor, 13% fair, 62% good, 23% excellent.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 8% short, 74% adequate, 18% surplus. Subsoil 5% short, 75% adequate, 20% surplus. Tobacco 50% transplanted, 46% 1997, 61% avg.; 40% fair, 60% good. Wheat 93% turning color, 60% 1997, 65% avg.; ripe 7%, 3% 1997, 7% avg.; 3% very poor, 9% poor, 30% fair, 51% good, 7% excellent. Alfalfa 90% 1st cutting completed, 68% 1997, 82% avg.; 3% poor, 22% fair, 61% good, 14% excellent. Other hay 75% 1st cutting completed; 2% poor, 18% fair, 65% good, 15% excellent. Pasture feed 1% poor, 19% fair, 63% good, 17% excellent. Showers last week brought topsoil moisture to an adequate level for most of the State. Tobacco transplanting, hay harvest took place between showers. Despite showers, farmers stayed on pace with all field activities, except transplanting tobacco. Tobacco disease pressure, such as blue mold and target spot, increased compared to last week.

TEXAS: Showers some areas provided temporary relief from dry conditions, however record high temperatures limited benefit. Planting activity Plains slow due dry conditions, while crops most other areas continued need rain badly. Irrigation activity remained constant where available. Range, pasture conditions continued decline with only slight increase greening from scattered showers. Many livestock producers continued feed supplements. Livestock conditions remained fair to good, however calf weaning weights affected by dry conditions.

Field Crops: Corn fields in High Plains continued look good under steady irrigation. Fields beginning to silk Blacklands where most fields stressed for moisture. Moisture stress problems increased most fields Central, Southern areas also. Dry conditions in Rio Grande Valley caused deteriorating prospects as fields dried. 30% silked, 14% 1997, 22% avg. 4% doughing, 2% 1997, 5% avg. Cotton many early planted irrigated fields up, showing good growth Plains. Dryland fields on other hand not showing much progress. Planting on dryland fields slow. Thrip populations increased some fields. Fields in Blacklands, Central continued to stress for moisture. Plants in Coastal Bend, Rio Grande Valley setting bolls under very dry conditions. Rain needed to hold squares, bolls. 3% setting bolls, 0% 1997, 2% avg. Grain sorghum dry conditions slowed planting activity Plains. Fields continued stressed for moisture most areas. Fields began to head Blacklands. Growth slow Central Fields need rain very soon in Coastal Bend, along Upper Coast. Reduced yields expected in Rio Grande Valley under very dry conditions. Grain sorghum 61% normal, 88% 1997; 4% turning color, 0% 1997, 5% avg. Peanuts irrigated fields in plains, north central areas look good, however extreme heat could begin take it's toll. Dryland planting slow. Planting on irrigated fields south central continued, however

little dryland planting occurred. Rice producers along Upper Coast continued to water fields, apply herbicides, insecticides. Extremely hot temperatures made tough to keep water on recently planted fields. Soybean planting slowly increased High Plains. Early crop Blacklands looked good. Fields along Upper Coast need rain badly. Small grains High Plains fields rapidly matured under very hot temperatures, harvest should begin couple weeks. Harvest underway Low Plains. Harvest continued Blacklands, winding down many fields. Some yields varied widely, but most producers reported good yields. Harvest virtually completed Central during week. Other Crops: Sunflowers 55% planted, 33% 1997, 42% avg. Oats 39% harvested, 15% 1997, 22% avg.

Commercial Vegetables: Rio Grande Valley, carrot, melon harvest continued while harvest of onions winding down. San Antonio-Winter Garden, onion harvest continued. Harvest irrigated watermelons increased, however dryland fields suffered from dry, hot conditions, yields may be affected. East, hot, dry conditions reduced production most vegetables. Sweet potatoes continued to be set out. High Plains, a few fields of onions were sprayed for thrips during week. Most fields made good progress. Trans Pecos, cantaloups made good progress during week. Peaches: Harvest continued in Hill Country with good quality reported. Harvest also continued East pecans producers continued spray for casebearers many areas. Light nut sets reported some areas. Dry conditions may have negative effect on crop.

Range and Livestock: Pasture conditions continued decline many areas despite scattered showers. Hay cutting remained behind year ago. Stockers moved off grazed out wheat in Plains. Cattle body condition remained fair, good.

UTAH: Days suitable for fieldwork 6. Topsoil 13% short, 73% adequate, 14% surplus. Subsoil 7% short, 81% adequate, 12% surplus. Pasture feed, range 2% poor, 15% fair, 67% good, 16% excellent. Winter wheat headed 10%, 44% 1997, 31% avg. Oats emerged 80%, 83% 1997, 81% avg. Corn planted 90%, 99% 1997, 90% avg.; emerged 60%. Dry beans planted 14%, 46% 1997. Alfalfa hay 1st cutting 16%, 10% 1997, 16% avg.; height 20 inches, 20 inches 1997, 18 inches avg. Other hay cut 1%, 2% 1997, 4% avg. Sheep moved to summer range 47%, 47% 1997, 56% avg. Cattle/calves moved to summer range 56%, 59% 1997, 60% avg. Major farm, ranch activities were: Irrigating, spraying for weevil.

VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 6% short, 87% adequate, 7% surplus. Subsoil 2% short, 89% adequate, 9% surplus. Corn 89% planted, 92% 1997, 92% avg.; 78% emerged; 1% poor, 10% fair, 70% good, 19% excellent. Cotton 99% planted, 99% 1997, 100% avg.; 4% poor, 18% fair, 72% good, 6% excellent. Peanuts 97% planted, 97% 1997, 98% avg.; 4% fair, 64% good, 32% excellent. Soybeans 29% planted, 33% 1997, 32% avg. Flue-cured tobacco 90% transplanted, 89% 1997, 93% avg.; 7% fair, 53% good, 40% excellent. Dark fire cured tobacco 73% transplanted, 86% 1997, 77% avg.; 10% fair, 51% good, 39% excellent. Burley tobacco 35% transplanted, 34% 1997, 42% avg.; 8% fair, 66% good, 26% excellent. Sun tobacco 69% transplanted, 71% 1997, 73% avg. Winter wheat 3% very poor, 6% poor, 23% fair, 54% good, 14% excellent. Barley 1% very poor, 4% poor, 18% fair, 58% good, 19% excellent. Summer potatoes 3% poor, 20% fair, 58% good, 19% excellent. Apples 6% fair, 77% good, 17% excellent. Peaches 10% fair, 75% good, 15% excellent. Pasture feed 1% poor, 11% fair, 66% good, 22% excellent. Alfalfa 1% poor, 6% fair, 72% good, 21% excellent. Other hay 1% poor, 9% fair, 71% good, 19% excellent. Weather conditions were varied again last week as some Eastern localities received up to four inches of rain, other localities around the State received only a trace. Soil moisture levels were mostly adequate for the State allowing good germination for May planted crops. Some corn, cotton acres were replanted due to flood damage from previous rains. More producers are concerned with excessive lodging in wheat, barley fields due to previous high winds, storms. Other small grain producers remain concerned with powdery mildew problems as well as scab, other diseases. These adverse conditions are expected to reduce yields in many localities. Blue mold was detected in some isolated flue tobacco fields. Burley tobacco producers are concerned with flea-beetle, cut worm infestation on some early acres. Also, over maturity in burley plantbeds is a major concern. Other farming activities included vegetable cultivation, tomato staking, tying, scouting, spraying potatoes, strawberry harvesting, grain harvest preparation.

WASHINGTON: Days suitable for fieldwork 4.3. Topsoil 4% short; 77% adequate, 19% surplus. Subsoil 4% short, 94% adequate, 2% surplus. Winter wheat, dryland 3% poor, 15% fair, 60% good, 22% excellent; irrigated 90% good, 10% excellent. Spring wheat 100% planted, 99% 1997, 99% avg.; 100% emerged, 97% 1997, 95% avg. Spring wheat, dryland 20% fair, 50% good, 30% excellent; irrigated 90% good, 10% excellent. Barley 100% planted, 100% 1997, 99% avg.; 99% emerged, 97% 1997, 94% avg. More rainfall received early in the week. Cereal grain conditions continued to

improve. Dry bean planting continued. Producers continued to be concerned with cheat grass infestations. In problem areas yield will be negatively affected, it is too early to estimate the extent of loss. Potatoes 100% planted, 100% 1997, 99% avg.; 97% emerged, 82% 1997, 85% avg. Hay, other roughage supplies, 90% adequate, 10% surplus. Green chop operations were halted by wet weather. Pastures continued to improve due to more rain and much warmer temperatures. Range, pasture feed 20% fair, 70% good, 10% excellent. Fruit crops continued developing and appear to be very good. Growers continued cover spraying operations. Wet weather in western areas caused some flooding problems in low lying vegetable fields. Turf grass producers had problems keeping fields mowed due to rain. Sweet corn planting continued. Asparagus harvest progressed between showers.

WEST VIRGINIA: Days suitable for fieldwork 4.8. Open weather conditions allowed farmers to make progress planting crops, harvesting hay. Intended acreage prepared for spring planting 91%, 95% 1997, 91% avg. Topsoil 1% very short, 6% short, 82% adequate, 11% surplus. Wheat 18% fair, 54% good, 28% excellent; Wheat headed 86%, 80% 1997, 79% avg. Apple 17% poor, 72% fair, 9% good, 2% excellent. Peach 13% poor, 60% fair, 21% good, 6% excellent. Hay 2% poor, 17% fair, 65% good, 16% excellent; hay 1st cut 22%, 7% 1997, 21% avg. Corn planted 74%, 81% 1997, 79% avg. Oats 44% fair, 53% good, 3% excellent; planted 92%, 96% 1997, 95% avg.; emerged 79%, 73% 1997, 85% avg. Soybeans planted 54%, 68% 1997, 41% avg. Tobacco transplanted 18%, 44% 1997, 46% avg. Cattle 12% fair, 81% good, 7% excellent. Sheep 7% fair, 90% good, 3% excellent. Activities: Field preparation for planting, planting corn, oats, soybeans; transplanting tobacco, cutting hay.

WISCONSIN: Days suitable for fieldwork 5.3. Soil moisture 10% very short, 26% short, 53% adequate, 11% surplus. Soybeans planted 91% complete, 87% 1997, 66% avg. Soybeans emerged 55% complete. Hay harvest 49% complete, 1% 1997, 4% avg. Normally, this is not reached until mid-June. In Rusk County, it was reported that first crop tonnage is 75-80% of normal, with good quality. Alfalfa is maturing early according to a Shawano County reporter. In Dunn County, a pure stand of alfalfa tested 137 relative feed value without any flowers. Early grasshopper populations were reported in Price County, alfalfa weevils were reported in many counties. Corn height ranged from not emerged to more than 14 inches high in Monroe County. Some corn in Pierce County needed to be replanted due to heavy rains two weeks ago. Corn, beans have emerged unevenly due to working wet ground in Grant County. In Dodge County, timely rains, warm temperatures pushed seed corn germination rates close to 100%. Winter wheat is headed out in some counties. Winter wheat 1% very poor, 2% poor, 11% fair, 64% good, 22% excellent. A Jefferson County reporter said straw will be short this year, but the heads are long and dense. Dry weather in Ashland County caused some potatoes to rot in the ground. In Portage County, Colorado potato beetles were in full force on the potatoes. Irrigated peas were doing well in Waushara County. Ginseng crop looked excellent in Marathon County. Strawberries were ripe in Rock County, but berries were smaller than normal. Pasture feed 1% very poor, 8% poor, 19% fair, 54% good, 18% excellent.

WYOMING: Days suitable for fieldwork 6.7. Topsoil 7% very short, 47% short, 46% adequate. Winter wheat booted 82%, 35% avg. Barley emerged 86%, 87% 1997, 86% avg.; jointed 35%, 42% 1997, 30% avg. Oats emerged 69%, 73% 1997, 77% avg.; jointed 26%, 23% 1997, 14% avg. Spring wheat emerged 78%, 76% 1997, 75% avg.; jointed 27%, 18% 1997, 14% avg. Sugar beets emerged 88%, 94% 1997, 93% avg. Corn planted 100%, 97% 1997, 93% avg.; emerged 84%, 77% 1997, 69% avg. Dry beans planted 73%, 62% 1997, 46% avg.; emerged 26%, 12% 1997, 8% avg. Winter wheat 7% very poor, 7% poor, 12% fair, 64% good, 10% excellent. Barley 1% very poor, 2% poor, 13% fair, 82% good, 2% excellent. Oats 2% very poor, 3% poor, 25% fair, 70% good. Spring wheat 4% very poor, 5% poor, 48% fair, 43% good. Sugar beets 30% fair, 69% good, 1% excellent. Corn 1% fair, 99% good. Range, pasture feed 3% very poor, 11% poor, 26% fair, 55% good, 5% excellent. Range flock ewes lambbed 85%, 77% 1997, 79% avg. Cattle moved to summer pastures 50%, 48% 1997, 54% avg. Sheep moved to summer pastures 38%, 30% 1997, 41% avg. Winter wheat continues to develop well ahead of the average pace. Dry, windy weather depleting topsoil moisture.

International Weather and Crop Summary

May 24 - 30, 1998

HIGHLIGHTS

FSU-WESTERN: Widespread, light showers maintained favorable moisture conditions for crop development in Ukraine, while mostly dry weather helped spring grain planting in the Volga Valley region in Russia.

FSU-NEW LANDS: Unseasonably warm, dry weather improved conditions for spring grain planting in Russia and Kazakstan.

EUROPE: Light to moderate showers favored spring-sown crops in the vegetative stage and winter grains in the reproductive to filling stages.

AUSTRALIA: Rain benefited Western Australia's newly sown winter grains.

CANADA: A spring freeze caused minor damage to emerged grains and oilseeds.

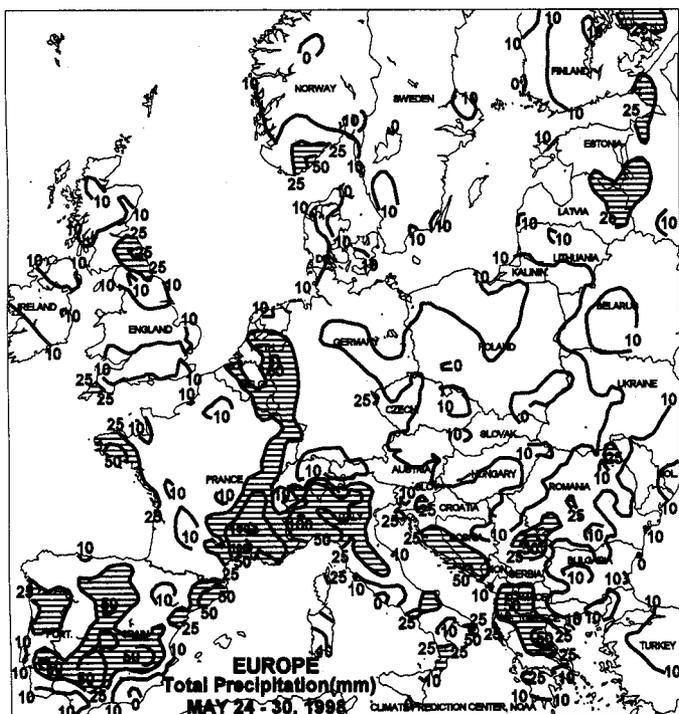
SOUTH ASIA: The southwest monsoon appeared to be developing on schedule, promising a normal start to the summer rainy season.

SOUTHEAST ASIA: The southwest monsoon began across the western Philippines, as seasonal showers continued to increase moisture supplies across Indochina.

EASTERN ASIA: In the North China Plain, drier weather favored summer crop planting and winter wheat harvesting. Rain aided germinating summer crops across Manchuria.

SOUTH AMERICA: Showers slowed summer crop harvesting across central Argentina and southern Brazil.

MEXICO: Widely scattered, light showers brought little drought relief to Mexico.



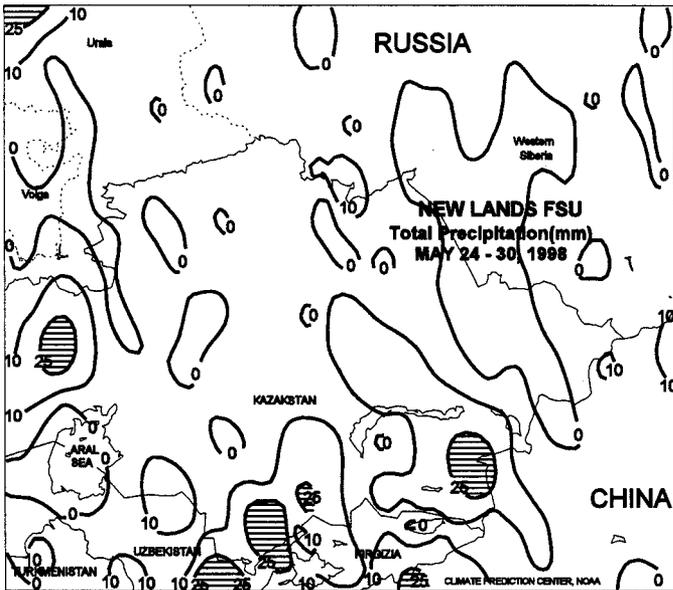
EUROPE

Timely showers (10-25 mm) fell from England and France eastward through Germany into northern Poland, benefiting winter grains advancing through the reproductive phase of development and spring-sown crops. Farther south, unseasonably heavy rains (25-50 mm or more) fell in southern Spain and northern Italy. Although the precipitation in these areas benefited immature winter grains and summer crops, it may have caused some localized flooding. Elsewhere, light showers (4-22 mm) stretched from southern Poland southward through Hungary into Romania and Serbia, maintaining sufficient moisture for crops. In Greece, cool, wet weather (10-50 mm) slowed cotton development. Weekly temperatures averaged 1 to 4 degrees C below normal in southern and eastern Europe and near normal over the remainder of the region. In Slovakia and eastern Poland, minimum temperatures on May 23-24 ranged from 0 to -2 C at scattered locations, creating the potential for patchy frost. Although temperatures did not fall low enough to pose a significant threat to winter grain crops, the cold weather may have hurt newly emerged sugar beets and tender vegetables.



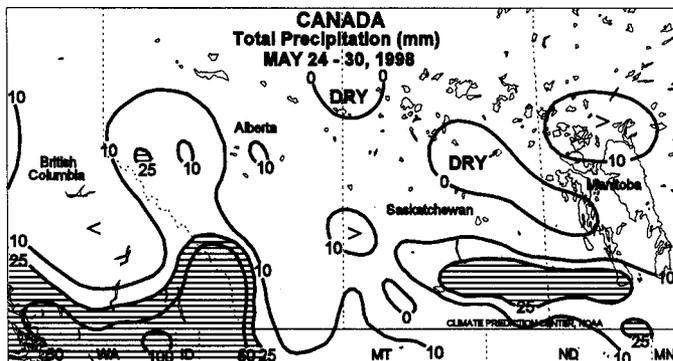
FSU-WESTERN

Light showers (6-25 mm, with local amounts in excess of 25 mm) in Ukraine and the North Caucasus region in Russia continued to maintain sufficient moisture conditions for summer crops and winter grains advancing through reproduction. Farther north, light to moderate showers (10-40 mm, with local amounts in excess of 40 mm) fell from the Baltics and Belarus eastward into Russia (Northwest Region, Central Region, and Central Black Soils Region), providing favorable moisture for winter grains in the jointing stage and newly emerging spring-sown crops. Warm, dry weather in the Volga Valley region of Russia allowed spring grain planting to rapidly advance. Unseasonably cool weather prevailed in Ukraine, the Baltics, Belarus, and adjacent areas in Russia, slowing crop growth. Weekly temperatures in these areas averaged 1 to 3 degree C below normal. Extreme minimum temperatures fell to 1 degree C in western Ukraine, with temperatures falling at or below freezing (0 to -1 C) in Lithuania. The freezing temperatures in Lithuania likely caused little or no damage to grain crops but may have hurt tender vegetables.



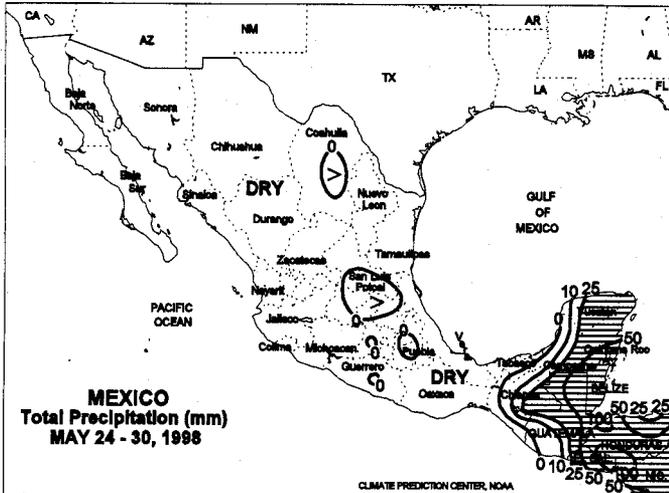
FSU-NEW LANDS

Unseasonably warm, dry weather prevailed over Russia and Kazakstan, allowing spring grain planting to swiftly progress. Weekly temperatures averaged 3 to 7 degrees C above normal throughout most areas, increasing soil temperatures for germination. Extreme maximum temperatures generally ranged from 27 to 31 degrees C in both Russia and Kazakstan. In Kazakstan, reports indicated that spring grain planting is scheduled to be completed by June 5. In Russia, progress of spring grain planting is the slowest in a decade due to persistent cold, wet weather in previous weeks. Reports as of May 20 indicated that spring grains and pulses, excluding corn, were about 40 percent planted in Russia, compared with 60 percent on the same date last year. In cotton-producing areas of Central Asia, periods of showers and thunderstorms (10-44 mm) eased irrigation requirements in central and eastern Uzbekistan. However, the rain may have caused some localized washouts of newly emerged cotton. Seasonable temperatures favored cotton development in most areas.



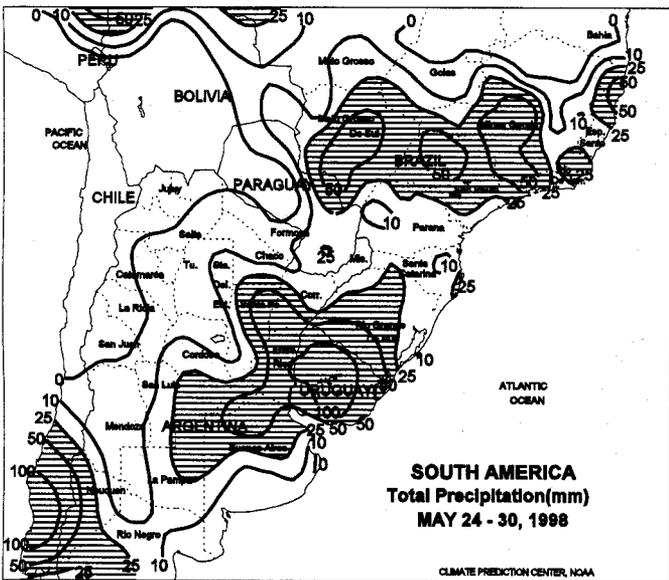
CANADA

Temperatures fell below freezing late in the week throughout most of Manitoba and in sections of Saskatchewan, mainly in the northern and eastern agricultural districts. The duration of the freeze was reportedly sufficient to cause minor damage to emerged spring grains and oilseeds, especially in the Prairies' northeastern crop areas. Replanting in some canola fields was also a possibility. The accelerated development of this season's crop and the relative lateness of the freeze (0-10 days later than normal) combined to make this an unusual event. Prior to the cold outbreak, scattered showers (5-25 mm or more) brought some relief to grains and oilseeds in the southern Prairie crop areas. Unfavorable dryness continued to plague the northwest. Spring plantings are virtually complete across the Prairies, and many areas need moisture to ensure even germination and proper establishment. Farther east, mostly dry, warm weather in Ontario and Quebec favored rapid winter wheat development and promoted final corn and soybean plantings. The exception was an area of moderate rain (10 mm) on the western shore of Lake Ontario. Because of the dry spell, moisture would be welcome at most locations for crop development and the activation of applied chemicals.



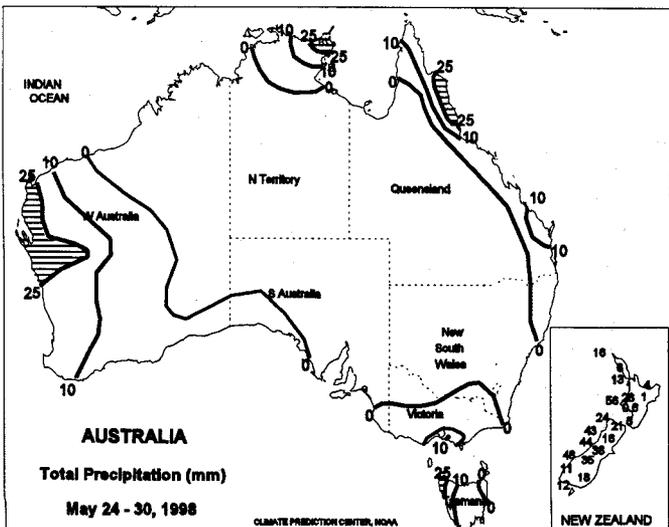
MEXICO

Widely scattered, light showers (less than 5 mm) brought little drought relief to Mexico. The dryness continued to stress pastures and livestock across northern Mexico and delayed early corn planting across southern Mexico. Across most of Mexico, temperatures averaged 1 to 3 degrees C above normal. Showers (10-70 mm) brought some relief to Central America, but more rain is needed. Heavier showers (100-170 mm) fell across Honduras.



SOUTH AMERICA

Moderate showers (13-35 mm, with an isolated amount of 77 mm) slowed summer crop harvesting across central Argentina. The rain increased soil moisture levels for winter wheat planting. Scattered showers (5-25 mm) hampered cotton harvesting. According to reports as of May 22, Argentine cotton, soybean, corn, and sunflowerseed crops were 42, 74, 62, and 98 percent harvested, respectively. Last year at this time, cotton, soybean, corn, and sunflowerseed crops were 67, 91, 86, and 99 percent harvested, respectively. In southern Brazil, showers (20-60 mm) slowed soybean harvesting but favored germinating winter wheat. The rain also slowed coffee harvesting in Minas Gerais and northern Sao Paulo.

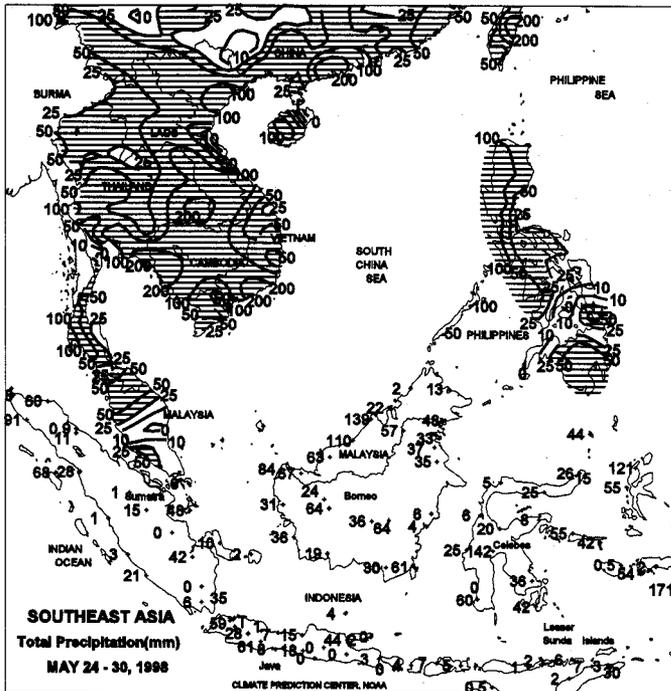


AUSTRALIA

Rain (5-20 mm or more) benefited emerging winter grains in Western Australia. Unseasonable warmth (temperatures averaging 2-4 degrees C above normal, highs from the middle 20's to lower 30's C) accompanied the moisture, aiding germination. In the east, dry, cooler-than-normal conditions allowed fieldwork to rapidly progress. In New Zealand, moderate showers (10-25 mm or more) broke a protracted dry spell across the main agricultural areas.

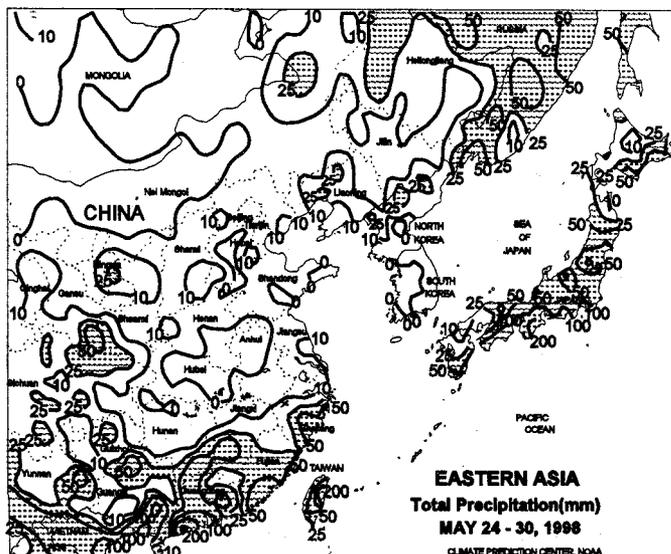
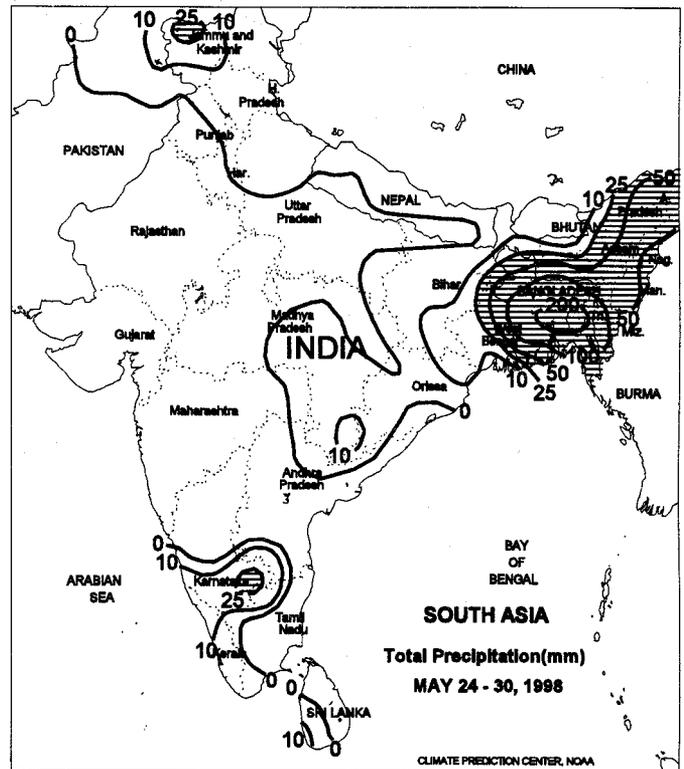
SOUTHEAST ASIA

Widespread showers (40-100 mm, with isolated amounts greater than 200 mm) covered Thailand and Vietnam, increasing moisture supplies for main-season rice. Heavy showers (50-200 mm) signaled the start of the southwest monsoon across most of the western Philippines. Showers, however, remained unseasonably light (less than 10 mm) across western Mindanao. Scattered showers (10-50 mm) aided oil palm across peninsular Malaysia, but moisture is still needed across the east. Scattered showers (5-50 mm) prevailed across Java and southern Sumatra.



SOUTH ASIA

Hot, dry weather dominated India and Pakistan, with temperatures averaging 3-5 degrees C above normal over much of the region. A deadly heat wave (highs in the middle to upper 40's C), an unfortunate but common precursor to the onset of the southwest monsoon, stressed livestock and inhibited pre-planting activities. However, heavy rain that (100-200 mm or greater) centered over Bangladesh kept temperatures at seasonable levels while flooding rice fields. Surface and upper-air weather features indicated that the southwest monsoon was developing normally and progressing northward approximately on schedule. However, heavy rain has yet to develop over Sri Lanka, as would be expected by late May. Planting rains usually develop over southern India in early June and spread into Pakistan by mid July.



EASTERN ASIA

In the North China Plain and Yangtze Valley, drier weather (less than 5 mm) favored late summer crop planting and winter wheat harvesting. Moderate rain (10-45 mm) benefited emerging summer crops in the Sichuan Basin. Widespread rain (10-35 mm) aided germinating summer crops across Heilongjiang, Manchuria. Showers (15-60 mm) were confined to southern China, maintaining favorable irrigation supplies for rice. Torrential rain (300-550 mm) caused flooding in a limited area of southwestern Guangdong province. Temperatures averaged 1 to 3 degrees below normal across Manchuria and the North China Plain, reducing crop water use. Rain (25-100 mm) covered Japan, increasing moisture supplies. Dry weather prevailed across South Korea, while light to moderate rain (5-30 mm) aided summer crops in North Korea.

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