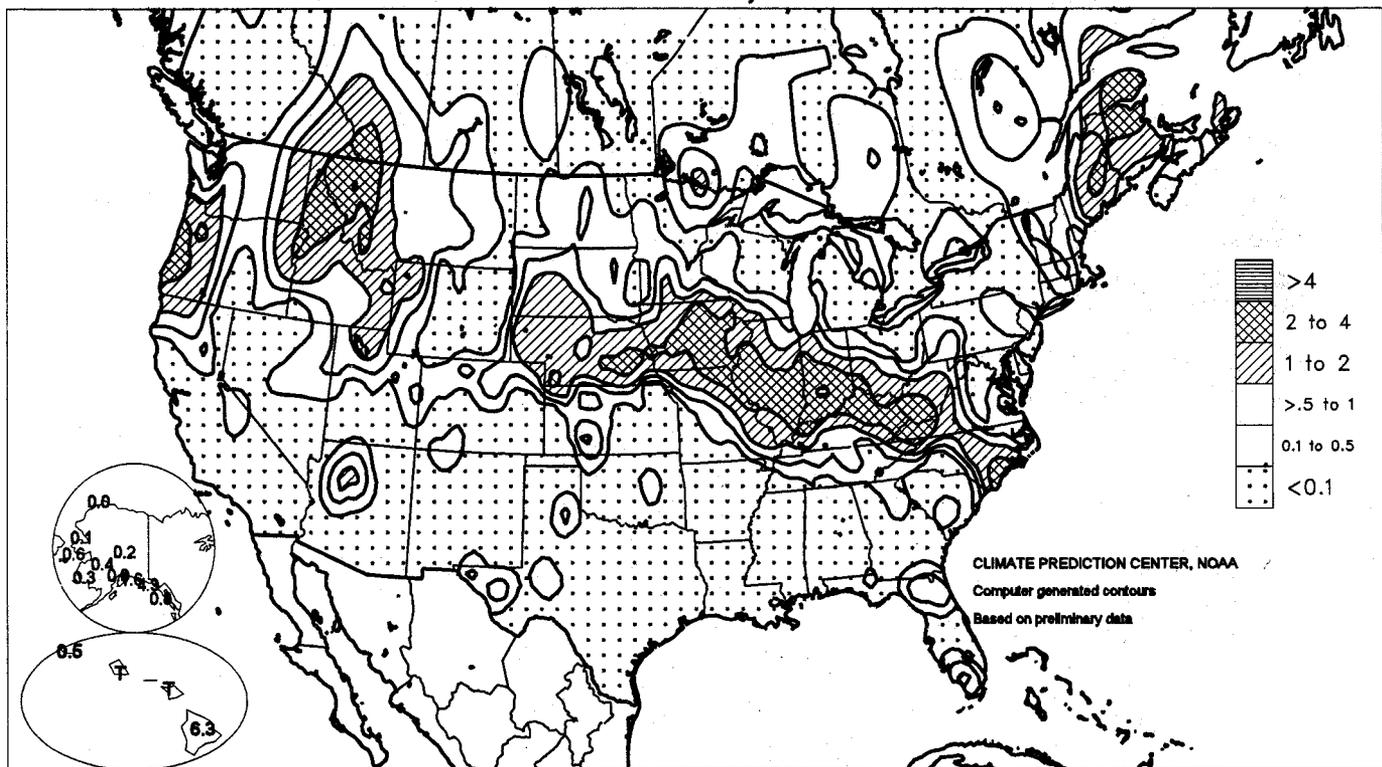


WEEKLY WEATHER AND CROP BULLETIN

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 17 - 23, 1998



HIGHLIGHTS

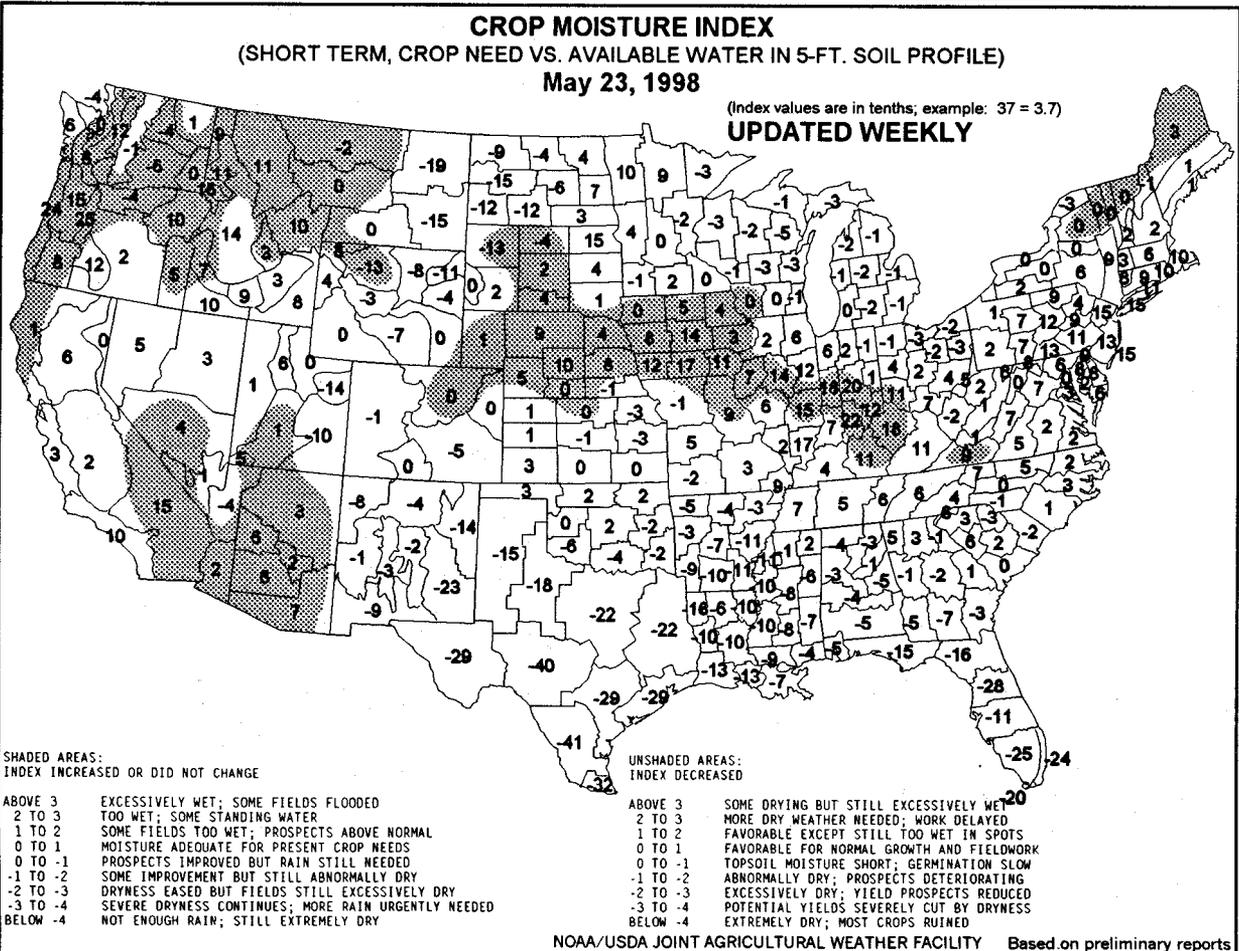
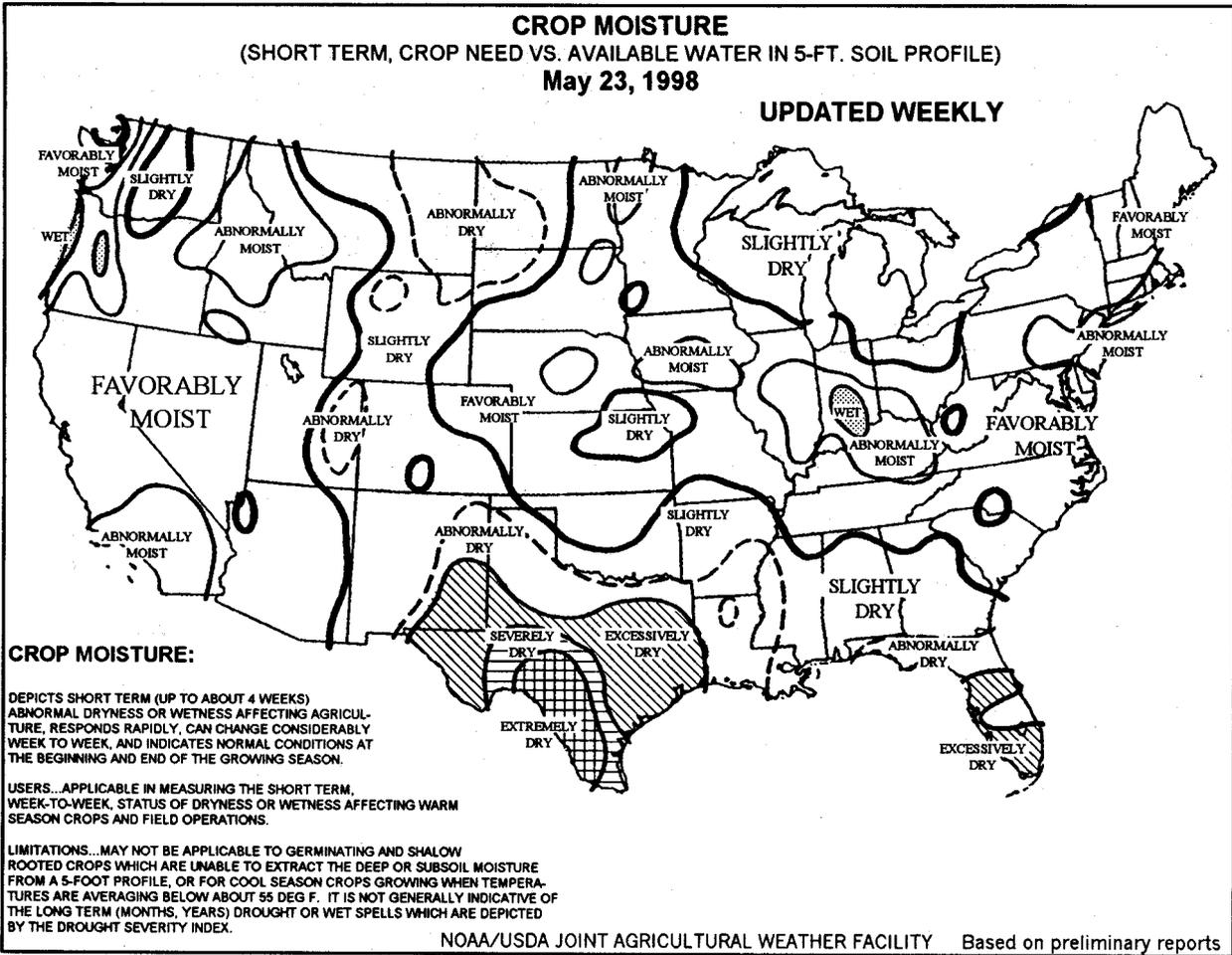
May 17 - 23, 1998

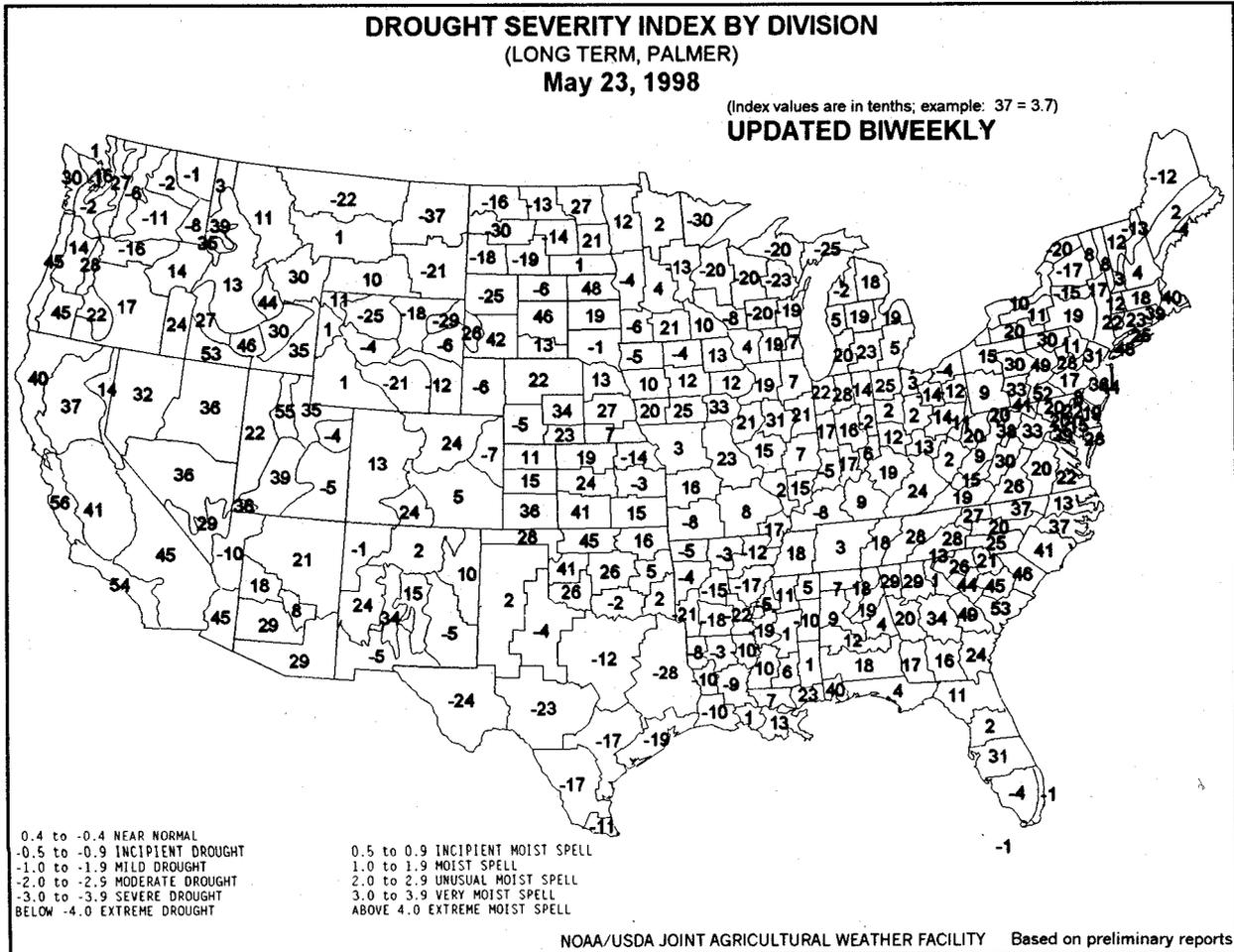
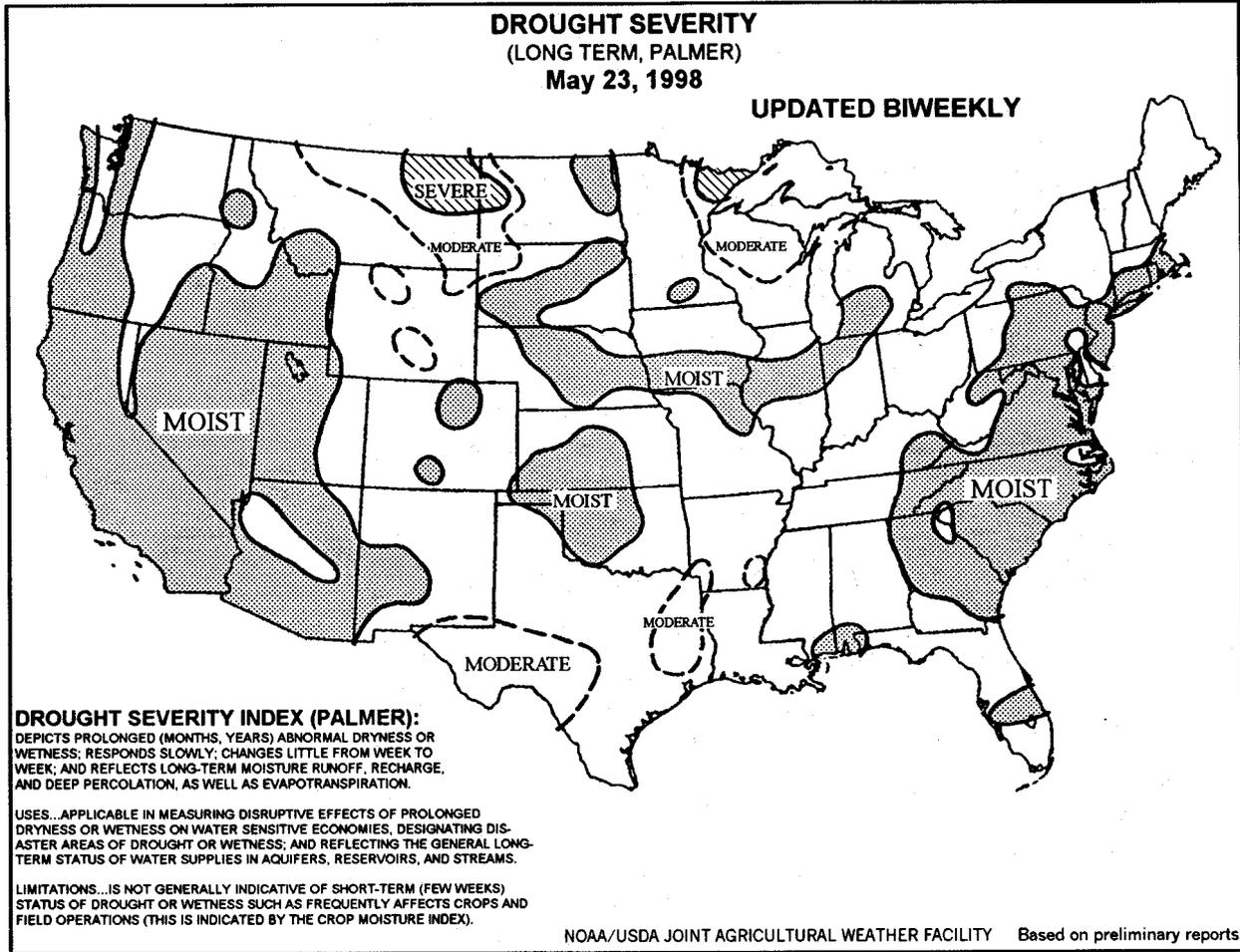
Widespread showers and thunderstorms developed across the **Corn Belt**, providing beneficial moisture after several days of hot weather. Welcomed rains also dampened the **interior Northwest**, including the **northern High Plains**. In contrast, hot, dry weather persisted across the **South**. Since mid-March, little rain has fallen from **eastern New Mexico to Florida**. Weekly temperatures averaged 5 to 12°F above normal on the **central and southern Plains**, and were above normal throughout the **eastern two-thirds of the Nation**, resulting in more than 80 daily-record highs. Highs briefly topped 90°F as far north as **northern Minnesota**. In the **West**, however, weekly readings were as much as 10°F below normal.

(Continued on back cover)

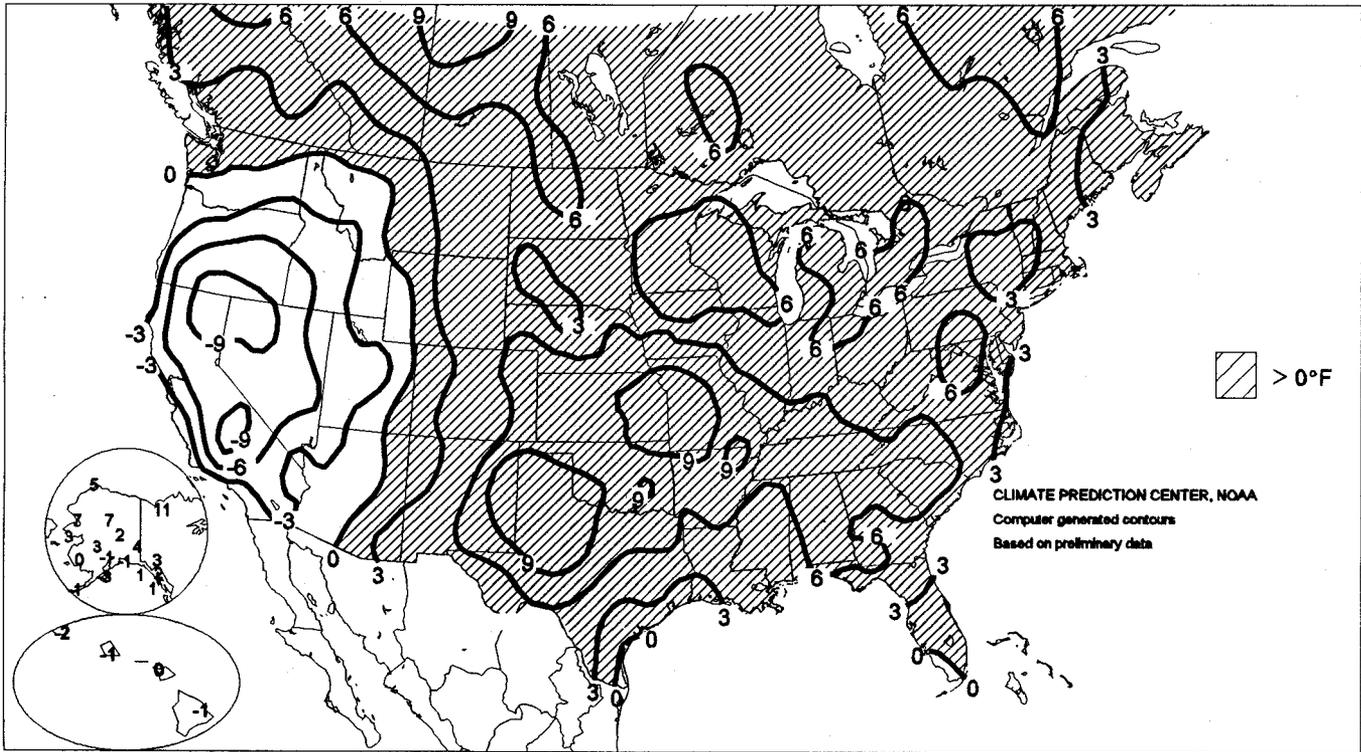
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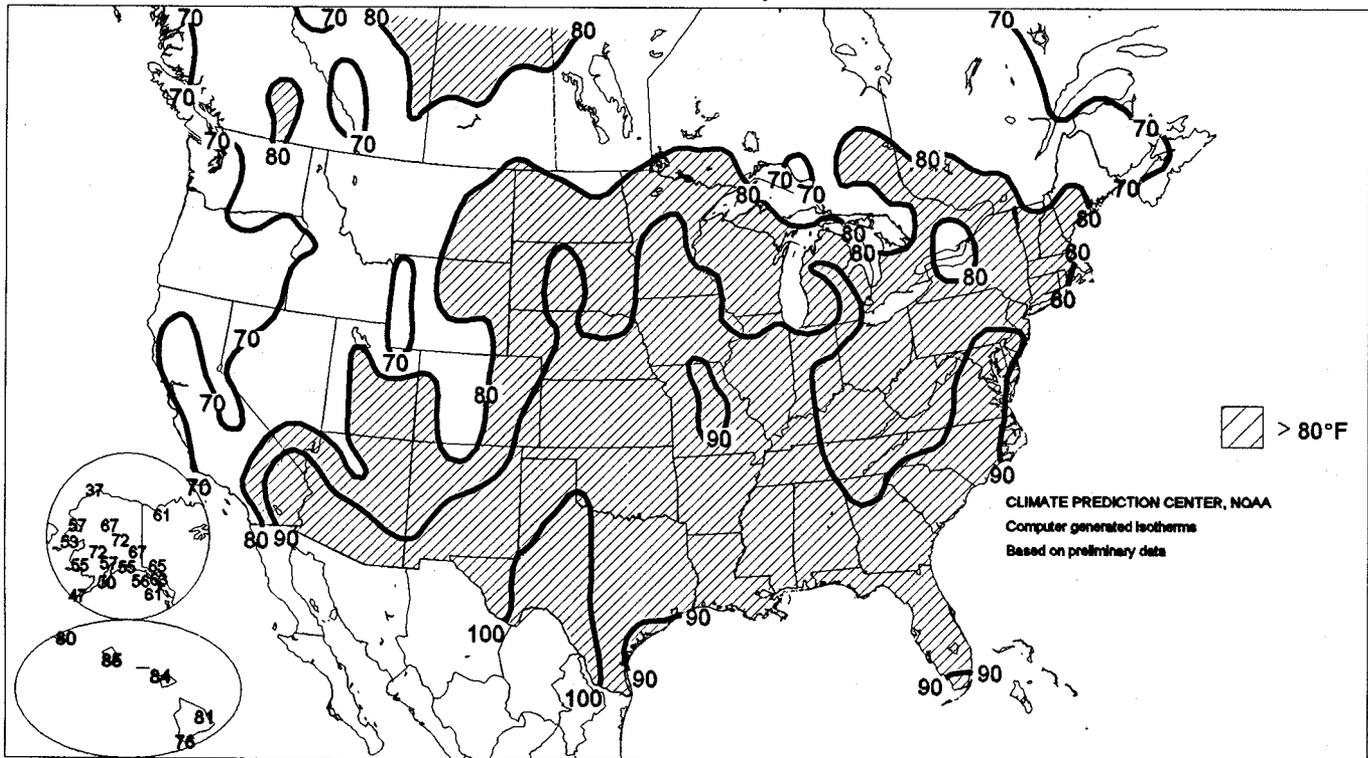




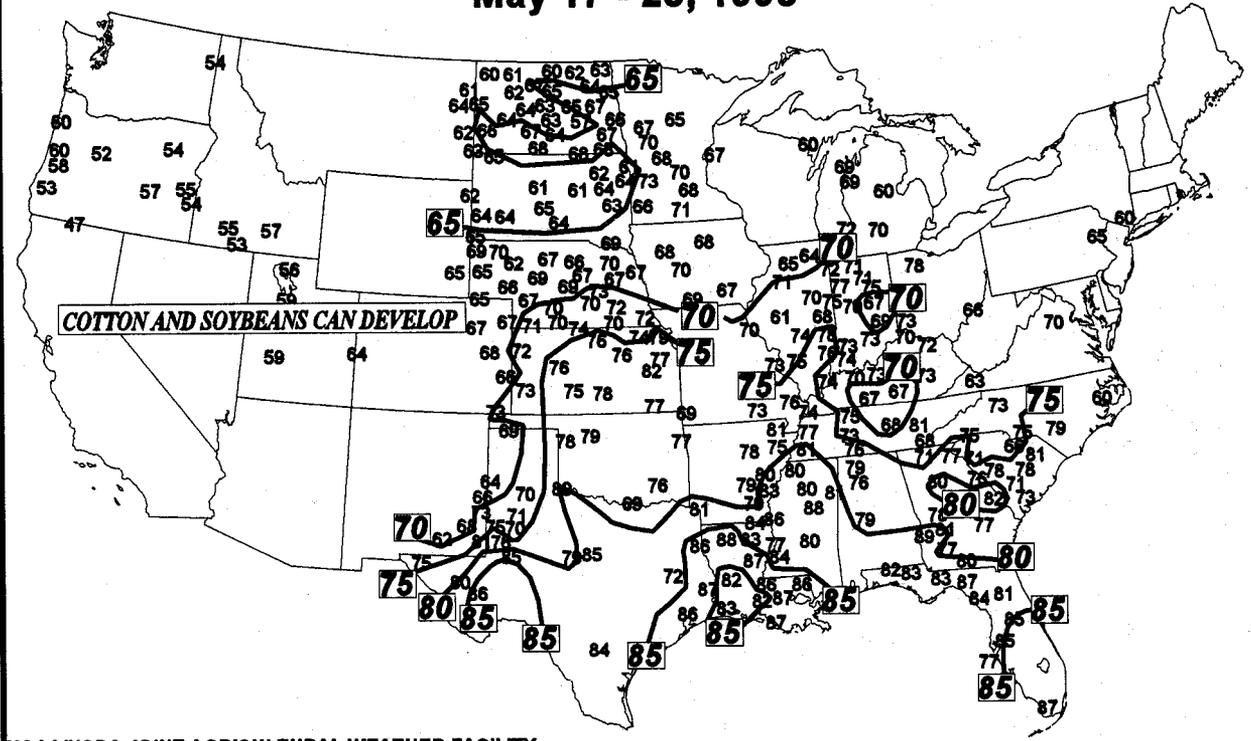
Departure of Average Temperature from Normal (°F) MAY 17 - 23, 1998



Extreme Maximum Temperature (°F) MAY 17 - 23, 1998

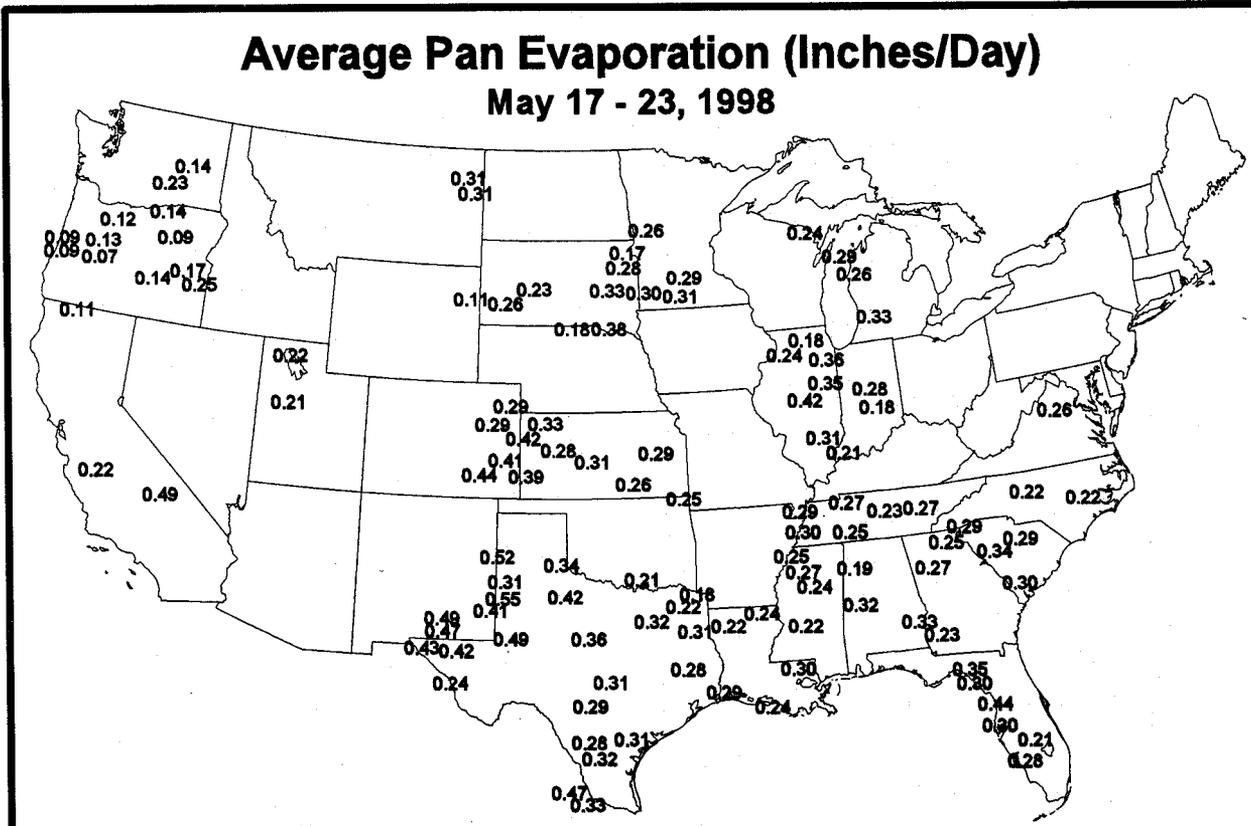


Average Soil Temperature (°F 4-Inch Bare) May 17 - 23, 1998

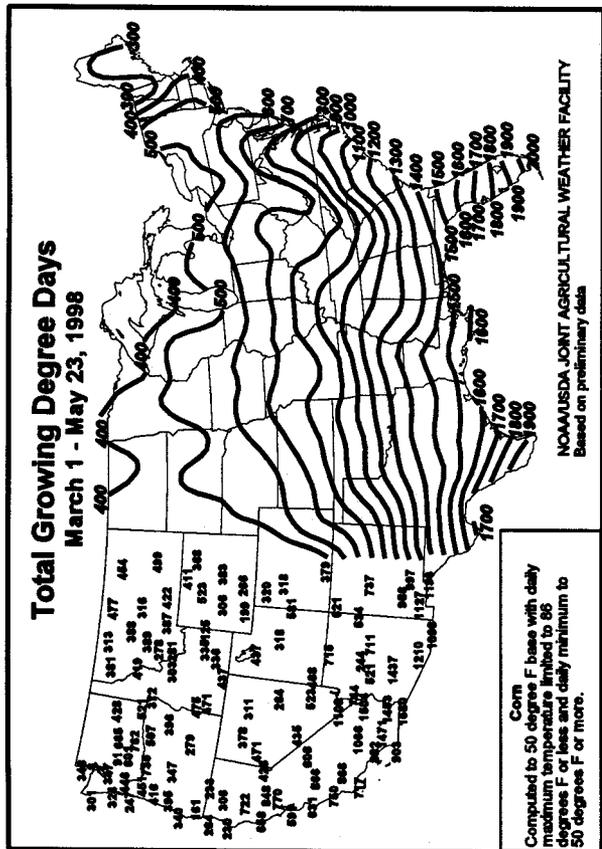


NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Average Pan Evaporation (Inches/Day) May 17 - 23, 1998



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data



National Weather Data for Selected Cities

Weather Data for the Week Ending May 23, 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 Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
																				TEMP, °F
AL BIRMINGHAM	90	64	92	56	77	8	0.00	-1.09	0.00	16.33	110	32.91	133	96	43	5	0	0	0	
AL HUNTSVILLE	91	64	92	58	77	8	0.04	-1.11	0.03	10.09	88	24.67	97	91	38	7	0	2	0	
AK MOBILE	91	67	95	82	79	4	0.01	-1.31	0.01	16.72	111	37.92	150	96	43	4	0	1	0	
AK MONTGOMERY	92	65	94	80	79	6	0.00	-0.86	0.00	10.28	76	24.18	101	94	38	7	0	0	0	
AK ANCHORAGE	54	40	57	37	47	-1	0.00	-0.17	0.00	1.04	54	1.68	48	64	46	0	0	0	0	
AK BARROW	31	23	36	20	27	5	0.00	-0.03	0.00	0.27	59	0.28	40	96	80	0	7	0	0	
AK FAIRBANKS	66	40	72	33	53	2	0.18	0.03	0.17	0.28	25	0.36	18	77	19	0	0	2	0	
AK JUNEAU	58	44	63	36	50	2	-	-	-	-	-	-	-	93	60	0	0	-	-	
AK KODIAK	46	37	50	30	41	-3	-	-	-	-	-	-	-	96	66	0	1	-	-	
AK NOME	47	35	53	29	41	3	0.63	0.49	0.38	4.78	283	6.00	195	91	67	0	2	4	0	
AZ FLAGSTAFF	66	30	71	27	48	-4	0.61	0.47	0.61	6.68	144	10.12	115	85	20	0	6	1	1	
AZ PHOENIX	92	68	99	80	79	-1	0.00	-0.03	0.00	1.78	147	5.08	197	41	15	3	0	0	0	
AZ PRESCOTT	75	43	82	39	69	0	0.21	0.10	0.21	4.10	133	6.92	113	66	17	0	0	1	0	
AZ TUCSON	94	62	99	54	78	3	0.00	-0.03	0.00	2.03	175	5.40	199	33	11	4	0	0	0	
AZ YUMA	91	64	98	58	78	-3	0.01	0.01	0.01	0.33	80	1.59	164	49	15	4	0	1	0	
AR FORT SMITH	90	67	93	59	78	8	0.00	-1.20	0.00	7.34	62	18.14	111	92	62	4	0	0	0	
AR LITTLE ROCK	92	68	95	61	80	9	0.00	-1.15	0.00	8.42	60	18.63	89	92	40	6	0	0	0	
CA BAKERSFIELD	74	48	79	44	61	-11	0.00	-0.03	0.00	4.69	266	11.37	308	86	35	0	0	0	0	
CA EUREKA	59	45	62	38	52	-1	0.71	0.42	-	11.71	125	38.96	195	100	75	0	0	3	1	
CA FRESNO	75	51	80	47	63	-7	0.00	-0.06	0.00	5.86	190	14.06	206	83	28	0	0	0	0	
CA LOS ANGELES	69	55	70	52	62	-1	0.00	-0.03	0.00	6.77	238	23.83	308	94	59	0	0	0	0	
CA REDDING	70	48	75	41	59	-9	0.41	0.14	0.24	11.99	160	41.42	230	91	36	0	0	4	0	
CA SACRAM/MCCLELL	75	50	81	46	63	-1	0.00	-	0.00	4.38	-	23.54	-	90	32	0	0	0	0	
CA SAN DIEGO	68	58	70	55	63	-1	0.00	-0.03	0.00	3.67	135	14.00	231	85	61	0	0	0	0	
CA SAN FRANCISCO	64	51	68	48	58	-1	0.00	-0.02	0.00	5.65	123	27.52	227	85	58	0	0	0	0	
CA ALAMOSA	74	35	78	27	54	3	0.00	-0.14	0.00	1.11	80	1.15	59	69	12	0	1	0	0	
CA CO SPRINGS	79	50	83	41	64	8	0.00	-0.61	0.00	4.28	115	4.83	106	55	14	0	0	0	0	
CA DENVER	79	48	85	43	64	5	0.47	-0.08	0.42	4.94	104	5.22	90	69	18	0	0	2	0	
CA GRAND JUNCTION	78	50	86	36	64	1	0.32	0.13	0.16	2.44	107	3.39	102	55	19	0	0	2	0	
CA PUEBLO	85	45	89	38	65	2	0.00	-0.29	0.00	3.80	148	4.07	127	72	16	0	0	0	0	
CT BRIDGEPORT	75	52	86	48	63	4	0.16	-0.72	0.13	15.86	151	24.48	146	86	42	0	0	2	0	
CT HARTFORD	77	50	84	45	63	3	0.11	-0.83	0.07	14.83	140	21.31	124	88	34	0	0	2	0	
DC WASHINGTON	82	63	91	55	73	5	0.00	-0.86	0.00	13.32	156	23.96	171	79	34	1	0	0	0	
DE WILMINGTON	81	55	91	44	68	5	0.00	-0.88	0.00	11.57	119	19.32	123	87	40	1	0	0	0	
FL DAYTONA BEACH	92	64	97	58	78	2	0.14	-0.89	0.14	4.26	57	15.85	119	97	36	5	0	1	0	
FL JACKSONVILLE	92	65	95	58	79	4	0.06	-0.79	0.05	7.95	89	22.56	140	92	41	6	0	2	0	
FL KEY WEST	84	73	85	69	78	-3	0.00	-0.84	0.00	4.54	78	11.83	123	85	61	0	0	0	0	
FL MIAMI	88	73	92	71	81	2	0.00	-1.52	0.00	8.50	90	16.15	119	80	48	3	0	0	0	
FL ORLANDO	92	64	94	59	78	1	0.52	-0.36	0.52	6.72	92	17.45	138	98	38	6	0	1	1	
FL TAMPA	90	72	93	67	81	2	0.00	-0.78	0.00	5.81	94	21.28	189	88	45	3	0	0	0	
FL VALPARAISO/EGLIN	89	72	91	70	80	7	0.00	-0.88	0.00	6.85	50	22.70	102	89	44	5	0	0	0	
FL WEST PALM BEACH	89	68	92	63	78	0	0.00	-1.50	0.00	5.37	50	22.78	140	90	49	4	0	0	0	
GA ATHENS	88	67	89	63	77	7	0.61	-0.38	0.31	19.52	154	33.11	162	94	51	0	0	2	0	
GA ATLANTA	87	67	88	64	77	7	0.00	-0.97	0.00	12.42	94	25.43	111	87	47	0	0	0	0	
GA AUGUSTA	92	65	94	59	78	7	0.00	-0.87	0.00	15.24	142	29.11	153	95	41	7	0	0	0	
GA COLUMBUS	92	70	94	66	81	7	0.00	-0.94	0.00	8.83	87	18.27	72	83	39	6	0	0	0	
GA MACON	91	65	93	62	78	5	0.00	-0.81	0.00	13.04	120	24.98	124	96	42	7	0	0	0	
GA SAVANNAH	91	67	94	61	79	5	0.00	-0.98	0.00	10.80	111	25.20	152	95	45	6	0	0	0	
HI HILO	79	66	81	65	73	-1	6.28	4.27	4.58	25.23	68	27.13	48	91	63	0	0	7	3	
HI HONOLULU	83	71	85	70	77	-1	0.04	-0.20	0.04	0.73	16	1.71	16	76	46	0	0	1	0	
HI KAHULUI	83	69	84	68	76	0	0.01	-0.14	0.01	1.51	29	2.37	19	80	50	0	0	1	0	
HI LIHUE	79	68	80	67	74	-2	0.48	-0.21	0.08	3.32	33	7.26	38	88	64	0	0	7	0	
ID BOISE	63	43	71	37	53	-6	1.10	0.86	0.80	4.71	140	8.84	151	95	41	0	0	3	1	
ID LEWISTON	64	48	77	46	58	-3	1.98	1.68	1.12	4.58	145	6.89	125	88	51	0	0	4	2	
ID POCATELLO	64	40	78	33	52	-3	0.38	0.08	0.16	3.91	113	7.33	135	91	35	0	0	5	0	
IL CHICAGO/OHARE	78	56	91	50	67	7	0.00	-0.74	0.00	10.33	118	14.70	126	80	35	2	0	0	0	
IL MOLINE	81	58	92	51	69	8	1.25	0.29	0.57	12.72	126	18.41	143	87	47	2	0	4	1	
IL PEORIA	78	58	88	53	68	5	1.46	0.82	0.52	14.87	158	20.08	162	90	50	0	0	5	1	
IL ROCKFORD	78	54	89	49	66	6	0.25	-0.58	0.18	10.06	115	14.00	125	89	42	0	0	3	0	
IL SPRINGFIELD	80	60	91	55	70	5	1.80	0.79	0.80	13.52	141	18.66	145	90	52	1	0	4	2	
IN EVANSVILLE	84	62	90	54	73	6	3.01	1.92	1.62	14.65	119	19.60	108	95	49	1	0	4	2	
IN FORT WAYNE	83	55	92	51	69	7	0.00	-0.77	0.00	11.51	131	16.91	134	75	30	2	0	0	0	
IN INDIANAPOLIS	79	60	88	57	70	5	3.53	2.62	1.73	16.19	154	19.93	131	86	43	0	0	4	3	
IN SOUTH BEND	80	55	90	50	67	6	0.12	-0.80	0.12	8.48	91	13.94	104	80	31	1	0	1	0	
IA BURLINGTON	81	61	93	54	71	8	1.25	0.39	0.58	14.68	161	20.06	174	85	53	3	0	5	1	
IA CEDAR RAPIDS	77	57	88	48	67	5	1.13	0.27	0.44	11.80	145	15.11	148	86	50	0	0	3	0	
IA DES MOINES	77	60	90	53	68	4														

Weather Data for the Week Ending May 23, 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			
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	86	66	89	61	75	8	0.00	-0.91	0.00	8.98	119	10.33	111	91	56	0	0	0	0
KY JACKSON	81	61	87	58	71	6	1.99	0.92	1.03	17.21	141	26.42	129	87	43	0	0	4	2
KY LEXINGTON	80	59	87	54	70	5	2.74	1.72	1.18	12.88	111	19.45	110	91	46	0	0	5	2
LA LOUISVILLE	84	62	90	57	73	7	2.89	1.85	1.23	14.29	115	22.55	121	88	41	1	0	4	2
LA PADUCAH	88	64	91	53	78	8	0.32	-0.79	0.32	11.39	84	19.20	92	91	48	2	0	1	0
LA BATON ROUGE	89	67	91	64	78	2	0.00	-1.08	0.00	9.08	65	29.82	122	96	48	4	0	0	0
LA LAKE CHARLES	88	67	92	62	77	2	0.00	-1.34	0.00	6.21	58	21.35	113	94	46	3	0	0	0
LA NEW ORLEANS	91	70	94	68	80	4	0.00	-1.04	0.00	10.43	82	33.98	143	92	46	5	0	0	0
LA SHREVEPORT	90	67	92	62	79	5	0.00	-1.21	0.00	5.07	46	18.10	96	91	43	6	0	0	0
ME CARIBOU	84	44	79	41	54	2	1.53	0.81	0.61	8.68	121	16.37	134	93	58	0	0	4	1
ME PORTLAND	72	47	81	43	60	5	0.02	-0.78	0.02	10.72	102	21.27	123	89	42	0	0	1	0
MD BALTIMORE	84	58	91	48	71	6	0.00	-0.85	0.00	11.94	130	23.99	156	82	34	2	0	0	0
MA BOSTON	76	53	83	49	64	5	0.00	-0.72	0.00	13.92	144	24.22	143	80	38	0	0	0	0
MA WORCESTER	73	49	78	43	61	4	1.40	0.41	1.27	14.74	133	22.50	123	83	39	0	0	3	1
MI ALPENA	74	47	90	36	60	7	0.35	-0.28	0.17	10.03	158	14.57	157	93	38	1	0	3	0
MI GRAND RAPIDS	78	53	88	43	68	7	0.00	-0.70	0.00	9.14	110	14.78	128	73	29	0	0	0	0
MI HOUGHTON LAKE	76	47	87	32	61	6	0.00	-0.59	0.00	6.97	114	9.98	114	84	31	0	1	0	0
MI LANSING	78	48	87	34	63	4	0.00	-0.59	0.00	7.52	108	13.01	132	82	33	0	0	0	0
MI MARQUETTE	66	43	84	29	55	3	0.62	-0.08	0.62	7.30	98	11.15	97	90	41	0	3	1	0
MN MUSKEGON	76	51	86	42	63	6	0.04	-0.54	0.04	6.51	88	10.86	97	78	32	0	0	1	0
MN DULUTH	71	45	85	37	58	6	0.02	-0.69	0.02	4.53	72	8.99	108	81	35	0	0	1	0
MN INT'L FALLS	73	41	89	36	57	3	0.47	-0.12	0.47	5.35	124	7.05	121	93	38	0	0	1	0
MN MINNEAPOLIS	78	58	89	50	67	7	0.20	-0.60	0.20	9.09	134	11.53	134	79	32	0	0	1	0
MN ROCHESTER	76	54	91	46	65	7	0.52	-0.28	0.28	8.15	116	11.00	129	79	35	1	0	2	0
MS ST. CLOUD	79	51	94	44	65	8	0.08	-0.67	0.08	5.36	90	6.94	95	86	29	2	0	1	0
MS JACKSON	89	64	91	59	78	4	0.00	-1.11	0.00	9.92	65	24.95	98	96	43	4	0	0	0
MS MERIDIAN	90	61	93	56	75	3	0.00	-0.96	0.00	8.71	56	27.69	106	99	39	3	0	0	0
MO TUPELO	90	63	92	58	77	6	0.00	-1.30	0.00	11.39	73	23.57	93	91	39	5	0	0	0
MO COLUMBIA	85	64	91	58	75	10	0.53	-0.63	0.39	10.89	102	16.61	119	91	51	1	0	4	0
MO KANSAS CITY	87	67	94	59	77	11	0.02	-1.17	0.02	6.73	72	8.79	76	86	55	1	0	1	0
MO SAINT LOUIS	84	66	91	60	75	8	1.48	0.55	0.70	13.87	138	19.68	141	85	52	1	0	4	1
MO SPRINGFIELD	86	65	89	57	78	10	0.13	-0.87	0.13	11.00	98	17.95	118	90	55	0	0	1	0
MT BILLINGS	72	47	80	43	60	3	0.92	0.31	0.66	4.01	83	4.80	75	80	29	0	0	4	1
MT BUTTE	58	36	72	27	47	-1	1.46	1.01	0.66	5.02	167	6.31	161	91	36	0	1	4	1
MT GLASGOW	76	50	81	41	63	7	0.69	0.28	0.57	2.88	123	3.29	110	87	29	0	0	4	1
MT GREAT FALLS	65	41	78	33	53	-1	0.78	0.18	0.34	3.34	77	4.52	78	89	34	0	0	3	0
MT KALISPELL	63	42	81	30	53	0	1.62	1.17	0.73	5.29	156	6.90	109	98	47	0	1	5	2
MT MILES CITY	78	50	86	30	64	6	0.20	-0.34	0.20	2.26	63	2.89	63	67	22	0	1	1	0
MT MISSOULA	61	43	76	33	52	-1	1.20	0.77	0.70	4.43	138	6.20	118	91	46	0	0	4	1
NE GRAND ISLAND	78	58	89	51	68	5	1.02	0.12	0.39	9.63	135	10.50	126	92	54	0	0	5	0
NE LINCOLN	79	60	92	54	70	6	2.05	1.14	0.91	8.25	107	10.23	114	95	63	2	0	5	2
NE NORFOLK	77	80	90	53	69	6	1.89	1.02	1.48	8.81	130	9.32	116	90	54	1	0	4	1
NE NORTH PLATTE	79	50	90	43	65	5	1.28	0.47	0.59	4.12	72	4.79	74	90	43	1	0	4	1
NE OMAHA	77	62	92	57	70	6	1.58	0.49	-	11.47	143	13.07	137	91	56	1	0	-	-
NE SCOTTSBLUFF	78	48	88	43	63	5	0.93	0.27	0.68	4.31	92	5.16	92	87	30	0	0	3	1
NE VALENTINE	74	49	91	45	61	2	1.91	1.17	1.11	5.46	109	5.65	99	92	46	1	0	5	1
NV ELY	63	29	72	22	46	-6	0.05	-0.21	0.03	3.28	117	5.39	128	74	19	0	5	3	0
NV LAS VEGAS	85	61	90	55	73	-3	0.00	-0.06	0.00	1.33	156	4.39	247	38	14	2	0	0	0
NV RENO	64	38	71	31	51	-7	0.33	0.18	0.33	4.44	277	8.13	220	66	19	0	1	1	0
NV WINNEMUCCA	62	32	70	26	47	-10	0.01	-0.18	0.01	6.48	288	9.76	270	92	31	0	5	1	0
NH CONCORD	76	44	84	36	60	3	0.18	-0.54	0.14	8.04	101	14.14	109	92	32	0	0	3	0
NJ NEWARK	79	56	90	51	68	3	0.00	-0.93	0.00	15.61	144	25.31	147	81	40	1	0	0	0
NM ALBUQUERQUE	85	54	89	47	69	4	0.00	-0.11	0.00	2.98	219	3.78	164	37	10	0	0	0	0
NY ALBANY	74	50	81	43	62	3	0.03	-0.75	0.03	10.42	124	16.80	129	81	39	0	0	1	0
NY BINGHAMTON	71	51	81	39	61	4	0.08	-0.69	0.08	10.95	130	18.54	141	83	37	0	0	1	0
NY BUFFALO	70	52	77	43	61	3	0.02	-0.70	0.02	8.92	114	16.81	131	88	43	0	0	1	0
NY ROCHESTER	74	53	83	40	63	5	0.16	-0.46	0.16	7.17	104	15.14	137	88	38	0	0	1	0
NY SYRACUSE	73	52	81	42	62	4	0.00	-0.74	0.00	6.99	82	14.90	115	84	38	0	0	0	0
NC ASHEVILLE	84	58	92	52	71	7	0.01	-1.02	0.01	14.37	128	30.72	167	95	45	1	0	1	0
NC CHARLOTTE	90	69	92	64	80	11	0.00	-0.90	0.00	10.81	109	20.37	117	81	38	5	0	0	0
NC GREENSBORO	81	61	88	56	71	4	0.39	-0.55	0.39	13.86	146	25.13	157	88	44	0	0	1	0
NC HATTERAS	74	62	80	56	68	0	1.12	0.21	0.81	11.19	104	28.65	142	98	68	0	0	2	1
NC RALEIGH	84	60	90	54	72	4	0.93	0.00	0.89	13.50	146	26.78	163	92	43	1	0	2	1
NC WILMINGTON	87	65	93	59	76	5	3.39	2.33	2.13	12.92	131	31.43	180	93	49	2	0	3	2
ND BISMARCK	75	48	86	42	62	5	0.20	-0.31	0.20	2.00	50	3.76	77	85	33	0	0	1	0
ND DICKINSON	72	48	85	43	60	4	0.04	-0.58	0.02	2.82	84	5.22	102	85	31	0	0	3	0
ND FARGO	76	54	84	49	65	7	0.09	-0.48	0.08	7.39	159	9.70	167	82	37	0	0	2	0
ND GRAND FORKS	76	47	82	44	61	5	0.19	-0.29	0.19	2.46	66	4.40	89	87	32	0	0	1	0
ND JAMESTOWN	73	51	81	45	62	5	0.14	-0.30	0.08	3.86	104	5.86	123	92	36	0	0	2	0
ND WILLISTON	75	47	84	41	61	4	0.09	-0.38	0.09	1.31	39	3.43	79	83	31	0	0	1	0
OH AKRON-CANTON	77	53	85	43	65	5	0.00	-0.85	0.00	11.13	120	17.33	127	76	33	0	0	0	0
OH CINCINNATI	78	57	87	53	68	4	3.87	2.69	2.17	18.16	163	24.47	149	82	48	0	0	4	3
OH CLEVELAND	76	54	88	47	65	6	0.00	-0.80	0.00	10.20	119	16.01	125	84	38	0	0	0	0
OH COLUMBUS	81	57	90	53	69	6	0.43	-0.48	0.20	10.81	116	15.68	114	83	33	1	0	3	0
OH DAYTON	78	58	88	52	68	5	1.61	0.73	0.51	12.96	133	18.58	132	78	38	0	0	5	1
OH MANSFIELD	78	54	87	45	66	6	0.00	-0.99	0.00	8.52	84	13.98	99	76	31	0	0	0	0

Weather Data for the Week Ending May 23, 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	92 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	81	55	91	48	68	8	0.03	-0.64	0.03	9.51	123	16.24	146	80	33	3	0	1	0
OK YOUNGSTOWN	77	50	87	38	64	5	0.00	-0.81	0.00	11.83	133	18.36	142	81	34	0	0	0	0
OK OKLAHOMA CITY	88	65	91	58	77	7	0.06	-1.19	0.06	10.79	116	15.00	125	85	47	2	0	1	0
OK TULSA	89	66	93	60	78	8	0.00	-1.30	0.00	13.27	117	17.05	115	83	49	3	0	0	0
OR ASTORIA	57	47	61	40	52	-1	0.90	0.25	0.48	15.07	106	41.79	132	100	74	0	0	7	0
OR BURNS	57	34	62	28	45	-7	0.31	0.09	0.21	4.24	180	9.48	231	95	42	0	3	5	0
OR EUGENE	61	45	65	38	53	-3	1.19	0.73	0.42	11.21	109	25.51	107	90	57	0	0	5	0
OR MEDFORD	63	44	71	39	53	-6	1.56	1.34	0.64	8.07	214	16.12	192	95	45	0	0	5	2
OR PENDELTON	64	46	71	41	55	-4	0.36	0.17	0.35	3.63	121	7.42	131	87	48	0	0	3	0
OR PORTLAND	61	49	66	47	55	-3	2.04	1.58	0.98	9.37	125	21.41	128	98	62	0	0	5	2
OR SALEM	61	47	66	42	54	-1	2.09	1.68	0.70	10.69	133	25.93	141	96	59	0	0	5	2
PA ALLENTOWN	81	53	89	41	67	5	0.24	-0.72	0.00	13.31	134	20.58	128	84	35	0	0	1	0
PA ERIE	73	55	83	42	64	6	0.00	-0.79	0.00	9.89	113	16.53	125	75	42	0	0	0	0
PA MIDDLETOWN	83	56	91	46	70	7	0.00	-0.99	0.00	15.38	159	24.92	162	79	31	2	0	0	0
PA PHILADELPHIA	82	57	92	50	70	6	0.00	-0.85	0.00	10.19	103	17.68	111	84	39	2	0	0	0
PA PITTSBURGH	78	54	86	46	66	5	0.16	-0.67	0.18	8.45	92	14.64	104	79	32	0	0	1	0
PA SCRANTON	78	50	84	36	63	3	0.01	-0.83	0.01	10.29	127	16.16	130	90	40	0	0	1	0
PA WILLIAMSPORT	80	52	90	39	66	5	0.00	-0.99	0.00	13.78	149	24.30	167	88	30	1	0	0	0
RI PROVIDENCE	76	50	84	48	63	4	0.08	-0.75	0.08	16.48	150	28.87	156	84	36	0	0	1	0
SC BEAUFORT	90	68	93	64	79	5	0.00	-0.94	0.00	12.14	125	28.40	170	92	49	4	0	0	0
SC CHARLESTON	90	67	93	63	79	5	0.20	-0.76	0.20	12.90	132	30.65	186	93	49	3	0	1	0
SC COLUMBIA	91	68	94	59	80	8	0.00	-0.85	0.00	12.10	113	25.26	131	88	38	6	0	0	0
SC GREENVILLE	88	65	92	60	76	7	0.03	-0.99	0.03	15.41	124	29.11	139	93	45	1	0	1	0
SD ABERDEEN	74	54	82	49	64	5	0.90	0.34	0.89	6.47	129	7.95	134	88	42	0	0	2	1
SD HURON	75	56	86	52	65	6	1.05	0.38	0.85	7.91	138	8.86	129	90	47	0	0	3	1
SD RAPID CITY	70	48	85	44	59	3	1.08	0.43	0.92	4.01	83	4.65	81	84	48	0	0	4	1
SD SIOUX FALLS	76	57	88	52	67	7	0.04	-0.66	0.02	9.02	142	10.19	136	83	36	0	0	3	0
TN BRISTOL	82	57	88	50	70	6	0.84	-0.04	0.83	14.38	146	21.64	131	98	48	0	0	2	1
TN CHATTANOOGA	89	63	91	56	76	8	0.05	-0.93	0.05	16.39	120	28.95	124	94	38	4	0	1	0
TN KNOXVILLE	88	63	89	58	75	8	0.15	-0.79	0.15	19.07	161	26.40	131	91	45	0	0	1	0
TN MEMPHIS	90	69	92	60	80	7	0.00	-1.10	0.00	15.18	103	27.45	121	78	42	6	0	0	0
TN NASHVILLE	87	63	90	53	75	7	0.33	-0.78	0.32	11.92	92	19.71	97	87	43	1	0	2	0
TX ABILENE	96	73	99	70	84	10	0.00	-0.70	0.00	3.54	65	5.39	71	69	28	7	0	0	0
TX AMARILLO	91	69	96	56	76	9	0.00	-0.81	0.00	3.98	110	6.74	142	68	18	5	0	0	0
TX AUSTIN	92	69	94	64	80	4	0.00	-1.13	0.00	3.85	48	9.78	63	91	39	6	0	0	0
TX BEAUMONT	88	66	92	61	77	1	0.02	-1.32	0.01	7.31	67	21.17	111	98	51	1	0	2	0
TX BROWNSVILLE	90	70	92	64	80	0	0.00	-0.70	0.00	0.67	16	2.76	40	97	50	4	0	0	0
TX CORPUS CHRISTI	87	69	88	58	78	0	0.00	-0.79	0.00	2.52	50	6.24	72	94	59	0	0	0	0
TX DEL RIO	96	71	99	70	84	6	0.00	-0.47	0.00	1.07	25	1.46	26	84	26	7	0	0	0
TX EL PASO	93	65	98	61	79	6	0.02	-0.04	0.02	0.26	38	0.46	30	38	13	6	0	1	0
TX FORT WORTH	92	70	94	67	81	7	0.00	-1.12	0.00	5.90	59	14.19	102	85	38	6	0	0	0
TX GALVESTON	83	73	84	69	78	1	0.00	-0.85	0.00	2.28	32	12.71	100	89	68	0	0	0	0
TX HOUSTON	92	66	94	60	79	4	0.01	-1.22	0.01	3.63	37	13.83	65	96	42	6	0	1	0
TX LUBBOCK	95	67	100	62	81	10	0.00	-0.57	0.00	1.77	51	3.63	80	56	15	6	0	0	0
TX MIDLAND	97	70	100	62	84	10	0.00	-0.47	0.00	0.44	15	1.18	30	61	18	7	0	0	0
TX SAN ANGELO	99	71	102	64	85	10	0.00	-0.72	0.00	1.85	39	3.08	46	72	21	7	0	0	0
TX SAN ANTONIO	92	68	95	62	80	4	0.00	-0.99	0.00	2.90	41	9.50	69	90	35	7	0	0	0
TX VICTORIA	89	68	91	59	79	1	0.01	-1.06	0.01	2.84	40	7.84	69	96	47	1	0	1	0
TX WACO	92	69	93	64	80	5	0.00	-1.06	0.00	3.70	41	13.96	109	93	44	7	0	0	0
TX WICHITA FALLS	93	69	98	64	81	9	0.00	-0.94	0.00	5.67	89	10.43	98	74	34	5	0	0	0
UT SALT LAKE CITY	69	48	83	43	57	-3	0.25	-0.14	0.23	6.28	115	12.80	164	82	25	0	0	2	0
VT BURLINGTON	74	49	82	39	61	3	0.86	0.14	0.53	7.59	104	14.57	136	87	38	0	0	3	1
VA LYNCHBURG	82	58	89	51	70	4	0.49	-0.42	0.00	15.18	160	29.11	190	81	41	0	0	2	0
VA NORFOLK	81	63	91	54	72	5	0.13	-0.75	0.13	11.91	125	26.14	156	87	47	1	0	1	0
VA RICHMOND	83	61	92	54	72	5	0.06	-0.83	0.05	13.58	145	26.19	166	84	41	1	0	1	0
VA ROANOKE	83	61	90	55	72	7	0.12	-0.79	0.12	12.73	131	28.70	187	78	38	1	0	1	0
VA WASH/DULLES	82	54	91	47	68	5	0.00	-0.94	0.00	12.79	139	24.03	163	88	36	1	0	0	0
WA HANFORD	73	50	82	40	62	-	0.23	0.12	0.23	0.83	67	3.22	122	75	31	0	0	1	0
WA OLYMPIA	63	46	68	39	54	0	0.00	-0.44	0.00	7.48	76	24.51	104	95	56	0	0	0	0
WA QUILLAYUTE	62	45	71	33	53	2	0.36	-0.80	0.16	12.29	53	43.20	86	98	60	0	0	6	0
WA SEATTLE-TACOMA	63	50	67	46	56	0	0.00	-0.37	0.00	5.14	72	15.60	94	90	53	0	0	0	0
WA SPOKANE	61	44	78	41	53	-2	1.26	0.92	0.90	4.19	113	7.84	109	94	43	0	0	6	1
WA YAKIMA	71	42	77	33	57	-2	0.25	0.12	0.23	1.49	102	5.29	155	85	39	0	0	2	0
WV BECKLEY	77	52	83	48	65	4	0.92	0.01	0.41	12.95	133	22.73	146	97	41	0	0	6	0
WV CHARLESTON	80	55	88	49	67	3	1.54	0.63	0.56	13.03	132	20.69	131	100	44	0	0	3	2
WV ELKINS	77	47	90	38	62	3	0.58	-0.36	0.26	11.75	110	18.57	111	99	41	1	0	4	0
WV HUNTINGTON	77	60	84	62	68	4	1.62	0.66	0.91	12.39	121	21.00	131	93	45	0	0	4	2
WI EAU CLAIRE	79	62	91	48	66	7	0.19	-0.70	0.17	9.96	137	13.90	154	78	31	2	0	2	0
WI GREEN BAY	76	49	88	37	62	6	0.00	-0.65	0.00	6.41	99	9.42	109	88	38	0	0	0	0
WI MADISON	76	52	87	44	64	6	0.14	-0.58	0.12	12.15	166	15.83	168	86	41	0	0	2	0
WI MILWAUKEE	72	55	88	47	63	8	0.18	-0.45	0.17	8.81	108	14.60	129	84	52	0	0	2	0
WY CASPER	75	42	82	35	58	5	0.01	-0.48	0.01	2.20	54	3.24	62	72	17	0	0	1	0
WY CHEYENNE	70	44	78	37	57	3	0.84	0.28	0.63	4.13	100	4.49	91	68	31	0	0	2	1
WY LANDER	69	42	79	36	55	1	0.00	-0.52	0.00	6.11	122	6.81	112	63	19	0	0	0	0
WY SHERIDAN	75	42	80	34	58	4	0.15	-0.40	0.10	3.37	78	3.85	68	89	32	0	0	3	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 18 - 24, 1998

HIGHLIGHTS

Heavy rainfall in parts of the Corn Belt and central Great Plains replenished topsoil moisture levels, promoting rapid germination and crop growth without causing significant planting delays. However, some wind, hail, and flood damage was associated with the storm system. Hot, dry

weather rapidly depleted topsoil moisture in the southern Plains, Mississippi Delta, and Southeastern States, slowing crop development and forcing some planting delays. Cool weather slowed crop growth along the Pacific Coast and in the Intermountain Plateau region.

Winter wheat: The Nation's winter wheat crop rapidly matured due to above-normal temperatures. Seventy-five percent of the crop has headed, nearly a week ahead of normal for this date. In the Ohio Valley, heading progress was more than 2 weeks ahead of normal, and in parts of the Great Lakes region, heading was at a record pace. Harvest activity moved northward in the San Joaquin Valley and increased across the Gulf Coast States, where the crop rapidly matured due to hot weather. Crop conditions remained mostly unchanged despite scattered reports of damage caused by high winds, hail, and flooding associated with a storm that crossed the Corn Belt. Drier weather aided crop conditions in California. Rain halted the deterioration in Montana, but soils were still very dry.

Corn: Ninety-three percent of the crop has been planted, a week ahead of normal for this date. Planting advanced most in the eastern Corn Belt despite above normal rainfall in many areas. Planted acres more than doubled in Ohio, while rain temporarily delayed planting in Illinois and Indiana. The pace was much slower in the western Corn Belt, where many farmers were finished planting corn. Warm weather, combined with soaking rain, promoted rapid germination and crop growth across the entire Corn Belt.

Soybeans: Farmers planted one-fourth of their soybean acreage during the week, advancing the total to 63 percent, nearly one week ahead of the 5-year average. Progress was most pronounced in the eastern Corn Belt, despite above-normal rainfall in many areas. Ohio farmers planted over 40 percent of their acreage and growers in Illinois and Indiana also made excellent progress. Planting was also active in the western Corn Belt, Great Plains, and Southeastern States. Some planting delays in the Southeast were attributed to dry soils. Soybeans emerged advanced to 29 percent, up from 9 percent the previous week. Soaking rain promoted rapid germination in the western Corn Belt, especially in Iowa, where over 40 percent of the crop emerged during the week.

Cotton: Seventy-six percent of the Nation's cotton has been planted, slightly ahead of normal for this date. Farmers in the northern Mississippi Delta region made rapid progress, nearly doubling planted acres in some areas. In the Southeast, progress continued to lag for this date; however, dry weather allowed farmers to narrow the gap. Early-planted fields were squaring, but crop development was hindered by dry soils, especially along the Gulf Coast from Texas to Florida. Below normal temperatures slowed crop growth in California.

Rice: Planting advanced to 86 percent, and 72 percent of the crop had emerged. Progress remained ahead of the 5-year average in the Mississippi Delta and Gulf Coast growing areas. Cool weather kept California growers well behind the normal pace by this date, offsetting the rapid progress in the southern United States. Cool conditions in California and heat in the Mississippi Delta States caused crop conditions to decline.

Small grains: Barley and spring wheat planting neared completion about 2 weeks ahead of normal. Emergence was also well ahead of normal as mostly adequate soil moisture permitted rapid germination. Good soil moisture levels and mostly sunny weather kept barley and spring wheat conditions mostly unchanged. Further deterioration in Montana was halted by rain, but topsoil moisture levels remained very short.

Other crops: Sorghum planting accelerated, raising progress to 48 percent, slightly ahead of normal. Farmers made rapid progress in the central Great Plains and middle Mississippi Valley. Planting slowed and remained behind normal across most of the lower Mississippi Valley and southern Plains, where hot, dry weather rapidly dried soils and forced planting delays. Peanut planting advanced to 74 percent compared with 72 percent normally seeded by this date. Farmers remained behind normal in the Southeast despite good planting progress. Progress in the southern Plains continued ahead of normal.

Crop Progress and Condition

Week Ending May 24, 1998

Soybeans Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AL	47	26	41	40
AR	46	34	41	30
GA	32	12	36	33
IL	50	12	86	41
IN	51	21	77	45
IA	85	62	82	54
KS	70	40	60	30
KY	19	7	28	19
LA	83	78	61	52
MI	70	40	28	33
MN	92	79	78	53
MS	78	68	74	59
MO	45	19	49	25
NE	80	52	70	42
NC	28	16	26	33
OH	56	15	67	51
SC	24	14	23	22
SD	59	33	47	32
TN	22	5	22	18
ALL	63	38	66	42

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

Winter Wheat Percent Headed

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AR	100	99	100	99
CA	99	99	99	99
CO	48	20	37	23
GA	100	100	100	100
ID	2	2	5	3
IL	94	77	69	64
IN	90	67	45	48
KS	95	73	85	80
MI	45	0	0	0
MO	91	73	68	68
MT	0	0	0	0
NE	30	1	12	15
NC	98	95	100	97
OH	81	22	2	16
OK	100	98	98	98
OR	21	5	35	34
SD	17	3	0	2
TX	91	84	90	91
WA	35	18	22	23
ALL	75	60	65	63

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

Corn Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
CO	96	92	98	89
GA	98	*98	99	99
IL	92	63	98	76
IN	83	51	95	71
IA	98	91	98	86
KS	98	96	98	86
KY	80	58	87	80
MI	90	82	76	67
MN	99	98	96	83
MO	91	75	96	69
NE	99	95	97	86
NC	91	86	100	99
OH	81	38	94	76
PA	65	34	73	64
SD	89	79	79	63
TX	98	95	97	98
WI	92	85	88	73
ALL	93	78	94	79

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

Soybeans Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AL	32	14	NA	NA
AR	31	19	NA	NA
GA	19	3	NA	NA
IL	12	1	NA	NA
IN	16	6	NA	NA
IA	44	0	NA	NA
KS	43	10	NA	NA
KY	1	0	NA	NA
LA	77	63	NA	NA
MI	27	5	NA	NA
MN	61	27	NA	NA
MS	58	48	NA	NA
MO	0	*0	NA	NA
NE	33	7	NA	NA
NC	10	9	NA	NA
OH	17	3	NA	NA
SC	0	0	NA	NA
SD	26	7	NA	NA
TN	7	2	NA	NA
ALL	29	9	NA	NA

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

Cotton Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AL	91	80	91	89
AZ	97	95	100	99
AR	96	77	96	89
CA	92	85	100	99
GA	84	70	83	87
LA	99	95	97	97
MS	89	72	98	93
MO	98	58	96	88
NM	92	80	93	88
NC	86	64	80	91
OK	51	19	26	33
SC	83	67	91	91
TN	86	45	97	89
TX	57	47	52	51
ALL	76	62	75	74

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

Corn Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
CO	74	45	NA	NA
GA	97	97	NA	NA
IL	60	29	NA	NA
IN	44	15	NA	NA
IA	87	64	NA	NA
KS	89	64	NA	NA
KY	46	46	NA	NA
MI	70	36	NA	NA
MN	94	77	NA	NA
MO	67	50	NA	NA
NE	85	49	NA	NA
NC	84	79	NA	NA
OH	39	12	NA	NA
PA	32	15	NA	NA
SD	70	33	NA	NA
TX	91	86	NA	NA
WI	74	43	NA	NA
ALL	72	46	NA	NA

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

Crop Progress and Condition

Week Ending May 24, 1998

Oats Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
IA	95	85	95	90
MI	96	88	72	63
MN	96	85	68	75
NE	100	95	98	NA
ND	79	46	31	39
OH	93	82	93	85
PA	79	68	82	NA
SD	93	80	50	66
WI	96	95	89	NA
ALL	90	78	67	64

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

Sorghum Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AR	90	83	94	83
CO	18	9	11	17
IL	25	2	41	17
KS	34	12	37	23
LA	96	93	80	84
MS	74	69	96	84
MO	43	15	58	39
NE	62	29	62	34
NM	13	8	25	21
OK	17	10	10	27
SD	40	26	15	13
TX	66	63	66	73
ALL	48	33	40	43

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

Peanuts Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AL	93	79	95	90
FL	78	64	85	NA
GA	84	71	90	92
NC	66	49	66	82
OK	66	46	53	41
SC	81	66	95	88
TX	48	41	25	26
VA	90	55	88	91
ALL	74	61	71	72

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

Barley Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
ID	93	89	91	91
MN	97	96	62	69
MT	98	97	91	87
ND	96	80	72	71
SD	100	99	89	86
WA	100	99	98	97
ALL	97	89	81	80

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

Barley Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
ID	78	65	68	73
MN	94	77	25	47
MT	81	77	52	58
ND	79	52	29	41
SD	95	80	55	63
WA	99	95	89	85
ALL	83	66	45	54

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

Rice Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AR	92	87	95	88
CA	45	20	97	70
LA	99	98	97	95
MS	96	95	96	91
TX	99	98	90	93
ALL	86	79	95	87

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

Rice Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
AR	79	71	74	72
CA	5	0	63	32
LA	98	94	90	89
MS	89	82	88	82
TX	95	91	78	80
ALL	72	66	77	70

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

Spring Wheat Percent Planted

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
ID	96	94	97	94
MN	99	98	63	72
MT	97	95	89	90
ND	95	63	75	71
SD	100	99	93	89
ALL	97	90	80	79

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

Spring Wheat Percent Emerged

	May 24 1998	Prev Week	Prev Year	5-Yr Avg
ID	84	74	80	80
MN	94	81	31	50
MT	78	73	58	63
ND	81	58	34	42
SD	97	88	61	71
ALL	84	69	44	53

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

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	1	6	31	54	8
CA	0	0	10	55	35
CO	1	7	17	52	23
GA	2	7	34	52	5
ID	0	0	3	58	39
IL	0	2	23	64	11
IN	0	3	15	58	24
KS	0	4	20	61	15
MI	1	6	23	53	17
MO	1	10	30	50	9
MT	11	23	34	31	1
NE	2	9	25	56	8
NC	0	6	20	70	4
OH	0	2	16	52	30
OK	0	4	22	69	5
OR	0	0	8	50	42
SD	0	1	11	62	26
TX	5	18	43	31	3
WA	0	2	16	62	20
ALL	1	7	23	56	13
Prev Wk	2	7	23	55	13
Prev Yr	4	12	33	43	8

Crop Progress and Condition

Week Ending May 24, 1998

	VP	P	F	G	EX
AR	0	4	32	47	17
CA	0	20	30	30	20
LA	0	4	23	65	8
MS	0	2	36	58	4
TX	0	3	39	53	5
ALL	0	7	31	48	14
Prev Wk	0	3	31	50	16
Prev Yr	1	6	33	46	14

	VP	P	F	G	EX
IA	0	0	19	64	17
MI	1	5	32	53	9
MN	1	3	17	64	15
NE	0	3	17	62	18
ND	1	3	34	58	4
OH	0	1	26	55	18
PA	0	1	20	70	9
SD	0	1	14	66	19
WI	1	4	15	61	19
ALL	1	2	22	61	14
Prev Wk	0	2	19	64	15
Prev Yr	1	4	31	57	7

	VP	P	F	G	EX
ID	0	0	4	62	34
MN	4	6	17	45	28
MT	1	13	56	28	2
ND	0	4	17	58	21
SD	0	1	18	63	18
WA	0	5	23	53	19
ALL	1	6	25	49	19
Prev Wk	1	4	26	55	14
Prev Yr	2	2	21	66	9

	VP	P	F	G	EX
ID	0	1	6	54	39
MN	2	4	18	49	27
MT	2	19	44	32	3
ND	2	4	20	57	17
SD	0	2	16	62	20
ALL	2	7	24	51	16
Prev Wk	2	6	23	55	14
Prev Yr	3	3	25	62	7

	VP	P	F	G	EX		VP	P	F	G	EX
AL	9	18	42	25	6	NH	0	0	2	79	19
AZ	0	8	24	44	24	NJ	0	0	0	100	0
AR	1	7	33	55	4	NM	3	19	35	40	3
CA	0	0	0	25	75	NY	0	6	9	57	28
CO	1	5	35	55	4	NC	0	2	16	73	9
CT	0	0	4	73	23	ND	4	21	37	35	3
DE	0	0	5	88	7	OH	0	2	14	58	28
FL	5	50	45	0	0	OK	0	5	34	54	7
GA	4	13	31	45	7	OR	0	0	5	56	39
ID	0	0	3	60	37	PA	0	2	13	60	25
IL	0	1	11	70	18	RI	0	0	2	4	94
IN	0	1	17	57	25	SC	0	4	15	65	16
IA	0	3	15	59	23	SD	0	2	16	61	21
KS	0	3	17	69	11	TN	0	1	19	65	15
KY	0	2	19	53	26	TX	14	34	41	11	0
LA	4	22	45	27	2	UT	0	3	18	65	14
ME	0	0	20	51	29	VT	0	0	4	71	25
MD	1	3	10	50	36	VA	0	1	8	63	28
MA	0	0	0	62	38	WA	0	0	10	67	23
MI	1	23	27	37	12	WV	0	0	19	64	17
MN	2	7	22	59	10	WI	2	8	22	56	12
MS	2	16	39	39	4	WY	2	4	18	66	10
MO	0	4	24	59	13	ALL	3	11	24	46	16
MT	12	21	41	25	1						
NE	0	5	23	62	10	Prev Wk	2	8	24	50	16
NV	0	0	0	48	52	Prev Yr	2	10	34	46	8

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 6.9. Topsoil 37% very short, 53% short, 10% adequate. Continued hot, dry weather hurting row crops. Corn affected most, crop will be seriously affected if current conditions continue another 1 to 1.5 weeks. Other crops can wait a little longer for rain. Cotton planting halted by lack of rain. Wheat harvested 19%, 16% 1997, 11% avg. Soybeans planted 47%, 41% 1997, 40% avg. Hay harvested 76%, 54% 1997, 52% avg. Wheat 2% poor, 30% fair, 47% good, 21% excellent. Livestock 1% poor, 33% fair, 54% good, 12% excellent. Pasture feed 9% very poor, 18% poor, 42% fair, 25% good, 6% excellent. Hay cutting ahead of schedule due to dry weather. Peach harvest on schedule.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 50% short, 50% adequate. Subsoil 45% short, 55% adequate. Cloudy skies with windy, dry conditions continued across the State last week with a few, light showers to rain, hail, sleet. Oats 85% planted, 90% 1997; 30% emerged, 40% 1997. Barley 95% planted, 95% 1997; 10% emerged, 65% 1997. Commercial potato seeding 35% complete, 55% 1997. Commercial vegetable planting 25% complete. Prospects for new growth on pastures, hay fields 25% poor, 30% fair, 40% good, 5% excellent.

ARIZONA: Cotton planting is still almost a week behind 1997. Condition 8% poor, 31% fair, 48% good, 13% excellent. Alfalfa harvest activity was reported as 4% not being harvested, 2% light, 3% moderate, 75% active, 16% finished. Alfalfa condition improved last week. Condition 2% poor, 11% fair, 53% good, 34% excellent. Small grains continued to progress with 23% reported as mature, compares 66% 1997, 49% avg. Unseasonable cool weather continues to delay development, resulted in some frost damage. Six percent was reported as harvested. This compares to 18% 1997, 24% avg. Small grain 2% poor, 11% fair, 59% good, 28% excellent. Central areas began harvesting dry onions last week while eastern areas growers continued harvesting head lettuce last week. Both central, western areas growers harvested a smaller assortment of vegetables last week. Central areas growers shipped artichokes, cabbage, carrots, mixed greens, parsley, table and manufacturing potatoes. Major vegetables harvested by western growers included cabbage, cantaloupes, honeydews. Shipments of iceberg, leaf and romaine lettuce continued in diminishing quantities. Citrus shipments continued in reduced quantities last week from central, western areas. Central areas groves packed grapefruit, valencias while western areas packed grapefruit.

ARKANSAS: Days suitable for fieldwork 7. Soil moisture 21% very short, 57% short, 21% adequate, 1% surplus. Weather conditions were very warm, dry for most of State. Main farming activities: Planting soybeans, rice, cotton; cutting hay; weed control; sidedressing corn, sorghum; irrigating corn; fertilizing, spraying hay, pastures; spraying, flushing rice fields; harvesting strawberries; working cattle. Alfalfa 4% poor, 20% fair, 68% good, 8% excellent. Other hay 4% poor, 29% fair, 61% good, 6% excellent. Range, pasture feed 7% poor, 33% fair, 55% good, 4% excellent.

CALIFORNIA: Field activities gradually resumed in most areas as drier conditions prevailed. However, temperatures remained below normal. Wheat grain harvest continued in the desert counties and was slowly progressing northward in the San Joaquin Valley. Corn, cotton and dry edible beans were planted in the San Joaquin and Sacramento valleys. Rice and sunflowers were planted and treated for weeds in the Sacramento Valley. Rice and dry beans were emerging slowly due to the continued cool temperatures. Growth and progress of earlier planted cotton fields were slowed by the cool weather. Ponding in some low-lying cotton fields continued to cause fungal problems in developing seedlings. Considerable replanting was expected, most of which will be the newly approved, short-season, non-Acala varieties. Old crop sugar beet harvest was ongoing. Significant amounts of windrowed alfalfa, oat hay continued to mold, mildew, lacking good drying conditions. Alfalfa was sprayed for grasshoppers,

weevils. Small grains, winter forages and alfalfa were cut for hay or green chopped. Cool weather last week continued to delay maturity of stone fruit, grapes. Cherry growers expressed increasing concerns over split fruit. In the Coachella Valley, the first fresh grapes of the season were picked. In the San Joaquin Valley grape growers applied sulfur to control mildew. Early variety apricots, nectarines, freestone peaches, and plums were being picked. Some stone fruit thinning was still ongoing. Olive trees were in full bloom. Recent wet weather continued to plague strawberry growers with decay, quality problems. Grapefruit, lemon, valencia orange harvests remained active. Head and leaf lettuce harvest continued where possible. Tomato fields were weeded, irrigated, sprayed for mildew. Tomato growers reported seeing fewer blooms. Sweet potatoes 75% planted in Fresno County. Garlic was treated with fungicides to control rust. Broccoli, cauliflower were harvested in the coastal, San Joaquin valleys. Asparagus harvest was progressing normally in Monterey County. Melon harvest continued in the Imperial, Coachella valleys. Harvest of sweet corn continued in desert areas. Potato planting in the Tulelake-Butte Valley area was nearly half completed. Potato blight continued to cause problems in Kern County. Onions were planted in the Tulelake-Butte Valley area, harvested in the Imperial-Coachella Valley. Spinach was harvested in the San Joaquin Valley. Other crops harvested included cilantro, parsley, mushrooms, carrots, cabbage, radishes. Pasture, rangeland across the State remained in excellent condition, with conditions described as the "best in many years." Feed quality, quantity were above average for this time of year. Some range grasses on lower elevation slopes were starting to mature, dry, while higher elevations remained lush and green. Cattle, calves made good weight gains on pasture, range forage. Beehives were moved into citrus groves, early melon fields.

COLORADO: Days suitable for fieldwork 6.4. Topsoil 8% very short, 27% short, 63% adequate, 2% surplus. Subsoil 5% very short, 25% short, 68% adequate, 2% surplus. Spring barley 99% seeded, 100% 1997, 96% avg.; 86% emerged, 99% 1997, 85% avg.; 2% poor, 23% fair, 56% good, 19% excellent. Oats 96% seeded, 96% 1997, 87% avg.; 78% emerged, 93% 1997, 76% avg.; 5% poor, 25% fair, 61% good, 9% excellent. Sorghum 9% emerged, 5% 1997, 1% avg. Dry onions 2% poor, 6% fair, 68% good, 24% excellent. Sugar beets 1% thinned, 0% 1997, 1% avg. Summer potatoes 100% planted, 100% 1997, 94% avg.; 80% emerged, 57% 1997, 51% avg. Fall potatoes 91% planted, 95% 1997, 88% avg.; 2% emerged, 0% 1997, 4% avg. Dry beans 14% planted, 11% 1997, 9% avg.; 0% emerged, 1% 1997, 0% avg. Alfalfa 5% 1st cutting, 9% 1997, 3% avg. Winter wheat 96% jointed, 95% 1997, 88% avg. Spring wheat 89% planted, 95% 1997, 85% avg.; 71% emerged, 73% 1997, 67% avg. Livestock in mostly fair to good condition.

DELAWARE: Days suitable for fieldwork 6.5. Topsoil 3% short, 93% adequate, 4% surplus. Subsoil 90% adequate, 10% surplus. Acreage prepared for planting of spring crops 85%. Winter wheat 1% very poor, 15% fair, 67% good, 17% excellent; 80% headed, 63% 1997, 74% avg. Corn for grain 76% planted, 63% 1997, 80% avg.; 42% emerged. Soybeans 9% planted, 13% 1997, 13 avg. Barley 3% very poor, 5% poor, 18% fair, 63% good, 11% excellent; 30% turned, 22% 1997, 20% avg. Sweet corn 51% planted, 47% 1997, 66% avg. Cucumbers 23% planted, 26% 1997, 21% avg. Cantaloupes 45% planted, 30% 1997, 45% avg. Snap beans 35% planted, 24% 1997, 32% avg. Tomatoes 65% planted, 16% 1997, 42% avg. Watermelons 47% planted, 24% 1997, 49% avg. Strawberries 96% bloomed, 81% 1997, 93% avg.; 16% harvested, 11% 1997, 13% avg. Other hay 41% 1st cutting harvested, 40% 1997, 37% avg. Alfalfa 40% 1st cutting harvested, 39% 1997, 30% avg. Hay supplies 20% short, 80% adequate. Pasture feed 5% fair, 88% good, 7% excellent. Activities: Good week for field work, field corn planting behind in lower Sussex due to wet fields, insects causing some wheat to be destroyed in northern areas.

FLORIDA: Topsoil throughout State very short to short with scattered areas adequate. Wheat growers started harvesting. Dry soil delaying cotton, peanut, soybean planting most areas. Dry weather slowing forage development, most areas. Peanuts 78% planted; very poor 3%, poor 14%, fair 57%, good 24%, excellent 2%. Sugarcane growth normal. Field preparations for spring planted crops active. Southern tomato growers took harvesting holiday with none picked May 23rd, 24th. Manatee County growers taking special measures for tomato harvesting due to Medfly quarantine, only green tomatoes marketed from quarantined fields. Major vegetables shipped: Snap beans, blueberries, cabbage, carrots, celery, sweet corn, cucumbers, eggplant, endive, escarole, okra, parsley, peppers, potatoes, radishes, squash, tomatoes, watermelons. Citrus groves hot, dry all areas. Everyone irrigating. Non-irrigated groves showing stress, wilt. Some fruit softening. Very little new growth. Valencia harvest still active most areas. Seedless grapefruit movement slowing as packing houses closing due to fruit condition. Caretakers cutting cover crops, spraying, fertilizing. Pasture feed very poor 5%, poor 50%, fair 45%. Cattle very poor 5%, poor 5%, fair 60%, good 30%. Pasture conditions throughout State poor to fair. Hay being fed, if available. Central pastures stressed due to so little rain. Permanent pastures poor condition due to drought. West central, pasture growth at standstill due to drought. Brush fires southwest due to dry conditions, very little pasture grass growth. Pastures running short of water, no rain in past 3-4 weeks. Cattle condition continues fair to poor.

GEORGIA: Days suitable for fieldwork 6.7. Soil moisture 23% very short, 44% short, 32% adequate, 1% surplus. Corn 8% very poor, 16% poor, 33% fair, 38% good, 5% excellent; 3% silked, 12% 1997, 9% avg. Cotton 3% very poor, 8% poor, 32% fair, 50% good, 7% excellent. Hay 1% very poor, 8% poor, 32% fair, 48% good, 11% excellent. Peanuts 2% very poor, 7% poor, 31% fair, 54% good, 6% excellent; 2% blooming, 3% 1997, 4% avg. Sorghum 2% very poor, 8% poor, 27% fair, 63% good; 59% planted, 47% 1997, 60% avg. Soybeans 2% very poor, 4% poor, 43% fair, 50% good, 1% excellent. Tobacco 6% poor, 37% fair, 51% good, 6% excellent. Wheat 11% harvested for grain, 19% 1997, 13% avg. Onions 24% poor, 34% fair, 41% good, 1% excellent; 81% harvested, 95% 1997, 90% avg. Watermelons 11% poor, 38% fair, 46% good, 5% excellent; 96% planted, 96% 1997, 99% avg. Apples 1% poor, 8% fair, 82% good, 9% excellent. Peaches 24% very poor, 26% poor, 30% fair, 11% good, 9% excellent; 13% harvested, 16% 1997, 16% avg. Hot, dry weather depleting soil moisture. Some planting slowed or halted due to dry soils. Rain needed most areas. Peanut, cotton planting still active most areas. Irrigating all crops, vegetables where possible. Weed control in peanuts, cotton. Wheat harvest ongoing. Hay harvest very active. Activities: Spraying pecan groves, spraying herbicides and fungicides, side dressing corn and tobacco, harvesting vegetables.

HAWAII: Showers helped crop progress. Water restrictions lifted in some areas. Windy conditions hampered spraying, certain irrigation. Banana harvesting to increase. Fields in fair condition. Papaya harvesting steady, rain helped fruit development. Watermelon harvesting to increase. Cool temperatures delaying maturity. Overall crop condition good. Head cabbage fair to good. Harvesting active on three islands. Mixture of sunshine, showers helped cucumber plantings. Harvesting active with moderate level in supplies. Sweet corn ears are undersized due to cloudy skies and cool temperatures. Tomato harvesting active on Hawaii, Molokai islands. Overall supplies expected to decrease. Crop conditions good to fair.

IDAHO: Days suitable for fieldwork 3. Topsoil 45% surplus, 54% adequate, 1% short. Rain continues to blanket the State. Area's of east reported replanting of potato, sugar beet fields. While areas of south central areas report replanting of sugar beets fields. Temperature throughout the State below normal. Alfalfa hay 1st cutting 3%, 1997 5%, avg. 5%. Irrigation supply 56% excellent, 44% good. Dry beans planted 13%, 1997 30%, avg. 19%; emerged 1%, 1997 2%, avg. 2%. Dry peas planted 100%, 1997 89%, avg. 74%; emerged 91%, 1997 38%, avg. 49%. Lentils planted 99%, 1997 87%, avg. 70%; emerged 89%, 1997 24%, avg. 40%. Oats planted 88%, 1997 84%, avg. 82%; emerged 69%, 1997 64%, avg. 63%. Corn planted 79%, 1997 90%, avg. 82%; emerged 57%, 1997 65%, avg. 44%. Potatoes planted 83%, 1997 87%, avg. 82%; emerged 14%, 1997 18%, avg. 18%. Barley jointed 18%; booted 8%. Spring wheat jointed 21%; booted 4%. Winter wheat jointed 86%; booted 28%. Sugar beets emerged 89%, 1997 97%, avg. 90%. Activities: Planting potatoes, small grains, dry peas, dry

beans, lentils, corn, weed control, irrigation, scouting fields, fencing, moving livestock to spring pasture.

ILLINOIS: Days suitable for fieldwork 5.3. Topsoil 6% short 56% adequate, 38% surplus. Above average temperature and precipitation was recorded statewide last week as farmers were busy with many field activities. In addition to planting corn, soybeans, farmers did such things as spray the corn crop with herbicides, pesticides, cut, bale hay, replant corn acres due to the excess moisture. Climate conditions have continued to push the wheat crop ahead. Other farming activities last week included hoeing corn fields, hauling grain, tilling. Winter wheat filled 41%, 13% 1997, 14% avg.; turning yellow 2%, 0% 1997, 0% avg. Oats 3% headed, 9% 1997, 9% avg.; filled 1%, 0% 1997, 1% avg.; 1% poor, 24% fair, 62% good, 13% excellent. Alfalfa hay 1% poor, 16% fair, 64% good, 19% excellent; 1st cut 30%, 15% 1997, 14% avg. Red clover 1% poor, 11% fair, 70% good, 18% excellent, cut 27%, 15% 1997, 10% avg.

INDIANA: Days suitable for fieldwork 5.8. Topsoil 2% very short, 14% short, 62% adequate, 22% surplus. Subsoil 1% very short, 6% short, 79% adequate, 14% surplus. Both corn, soybean planting have moved ahead of average progress. Some early planted crops will need to be replanted due to soil crusting, ponding, bug damage. Heavy winds in isolated areas over the weekend flattened some wheat. Range, pasture feed 1% poor, 14% fair, 61% good, 24% excellent. First cutting of alfalfa 33% complete. Transplanting of tobacco 21% complete. Activities: Planting corn and soybeans, field preparation, cutting hay, caring for livestock.

IOWA: Days suitable for fieldwork 4.8. Topsoil very short 1%, short 12%, adequate 68%, surplus 19%. Subsoil short 5%, adequate 75%, surplus 20%. Apart from the south-central section of State, rapid planting progress, crop emergence occurred. 1998 row crops: Corn planted 98%, 98% 1997, 86% avg.; acreage emerged 64%, 60% 1997, 51% avg. Soybeans planted 85%, 82% 1997, 54% avg. Soybeans emerged 44%, 15% 1997. Oats emerged 95%, 95% 1997, 90% avg. Pasture feed 3% poor, 15% fair, 59% good, 23% excellent. Drier weather has improved livestock condition; cows, calves doing well.

KANSAS: Days suitable for fieldwork 6.1. Topsoil 2% very short, 28% short, 68% adequate, 2% surplus. Subsoil 8% short, 90% adequate, 2% surplus. During the weekend a storm moved across the west central, southwest, central, south central parts of the State. Storms damaged, caused by hail, high winds, was scattered, varied. Insect, disease infestations remain light, few reports of tan spot, leaf rust. Corn 1% poor, 12% fair, 75% good, 12% excellent. First cutting alfalfa hay 70%, 36% 1997, 28% avg. Sunflowers planted 12%. 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, 69% good, 11% excellent. Stockwater supplies 3% short, 94% adequate, 3% surplus. Major livestock activities, moving cattle to summer pasture, working spring calves.

KENTUCKY: Days suitable for fieldwork 5.1. Topsoil 1% very short, 10% short, 77% adequate, 12% surplus. Subsoil 1% very short, 4% short, 80% adequate, 15% surplus. Farmers were busy in the fields planting corn, soybeans, transplanting tobacco before rain showers, thunderstorms moved into State by mid-week. Average corn height 6 inches with most advanced fields 11 inches. Burley tobacco acreage set 27%, 23% 1997, 22% acreage. Dark tobacco 25% set, 28% 1997, 28% avg. Set tobacco 1% poor, 24% fair, 60% good, 15% excellent. Winter wheat promising, some disease, lodging. Wheat 2% very poor, 4% poor, 29% fair, 56% good, 9% excellent. First hay cutting very good. Hay 2% poor, 23% fair, 46% good, 29% excellent. Pasture condition 2% poor, 19% fair, 53% good, 26% excellent. Grain sorghum 13% planted.

LOUISIANA: Days suitable for fieldwork 6.9. Soil moisture 37% very short, 45% short, 18% adequate. Corn 3% very poor, 18% poor, 32% fair, 46% good, 1% excellent; 4% silked, 4% 1997, 6% avg. Cotton 1% very poor, 2% poor, 47% fair, 49% good, 1% excellent; 98% emerged, 85% 1997, 89% avg. Cotton producers are starting to irrigate. Hay 70% first cutting, 50% 1997, 45% avg. Peaches 4% harvested, 3% 1997, 5% avg. Rice is making

excellent growth however, salt water, army worms are beginning to be a problem. Sorghum 5% poor, 57% fair, 38% good; 90% emerged, 73% 1997, 75% avg. Soybeans 1% very poor, 6% poor, 41% fair, 50% good, 2% excellent. Soybean producers are waiting on rain to continue planting. Spring plowing 99% plowing, 94% 1997, 96% avg. Sugarcane 2% poor, 16% fair, 60% good, 22% excellent. Sweet potatoes 24% planted, 17% 1997, 19% avg. Wheat 3% very poor, 8% poor, 22% fair, 62% good, 5% excellent; 49% harvested, 15% 1997, 30% avg. Livestock 1% very poor, 6% poor, 35% fair, 50% good, 8% excellent. Vegetables 1% very poor, 12% poor, 40% fair, 43% good, 4% excellent.

MARYLAND: Days suitable for fieldwork 5.8. Acreage that has been prepared for planting of spring crops 85%. Subsoil 3% short, 87% adequate, 10% surplus. Topsoil 3% very short, 11% short, 65% adequate, 21% surplus. Winter wheat 2% very poor, 4% poor, 23% fair, 58% good, 13% excellent; 20% turned, 2% 1997, 1% avg. Barley 3% very poor, 5% poor, 29% fair, 51% good, 12% excellent; 60% turned, 16% 1997, 25% avg. Rye 1% very poor, 1% poor, 10% fair, 63% good, 25% excellent; 96% headed, 96% 1997, 88% avg.; 18% turned, 7% 1997, 5% avg. Field corn 80% planted, 85% 1997, 82% avg.; 50% emerged. Soybeans 15% planted, 22% 1997, 16% avg. Tobacco 29% transplanted, 26% 1997, 22% avg. Sweet corn 75% planted, 62% 1997, 66% avg. Green peas 7% harvested, 4% 1997, 2% avg. Tomatoes 87% planted, 84% 1997, 77% avg. Cantaloupes 80% planted, 80% 1997, 74% avg. Watermelons 75% planted, 75% 1997, 70% avg. Snap beans 60% planted, 78% 1997, 66% avg. Lima beans 20% planted, 19% 1997, 33% avg. Strawberries 28% harvested, 35% 1997, 19% avg. Pasture feed 1% very poor, 3% poor, 10% fair, 50% good, 36% excellent. Other hay 35% 1st cutting harvested, 31% 1997, 22% avg. Alfalfa hay 40% 1st cutting harvested, 28% 1997, 31% harvested. Hay supplies 3% very short, 20% short, 71% adequate, 6% surplus. Activities: Good week for field work, large amounts of haymaking except for western Maryland, pea harvesting started, tobacco planting in full swing.

MICHIGAN: Days suitable for fieldwork 7.0. Topsoil 33% very short, 44% short, 23% adequate. Subsoil 13% very short, 39% short, 46% adequate, 2% surplus. Asparagus harvested 62%, 18% 1997, 31% avg. Drybeans planted 2%, 0% 1997. Potatoes planted 92%, 83% 1997, 72% avg.; emerged 70%, 39% 1997, 22% avg. Dry weather continued with scattered rain in south. Parts of north have received 25% of normal precipitation since April 1. Growing degree days over entire state 2 to 3 weeks ahead of normal. Crops planted and germinated early doing well. Recent plantings showing spotty germination. Wheat fields mostly headed south starting central, earliest heading on record. Dry weather caused yield concerns but reduced concern for diseases. Corn reached 4-5 inches south. Weed problem as rain needed to activate herbicides. Forage crops suffered dry weather north. Hay, alfalfa cutting expanded although yields reduced in dryer north. Many asparagus growers on eighteenth harvest. Yields favorable despite hot, dry conditions with irrigation necessary. Cabbage stressed, but plant growth progressed. Small carrot seedlings, some onion plants burned off Grand Rapids area. Growers irrigated crops to help emergence. Carrot, onion cover crops sprayed down. Celery transplanting continued. Direct seeded cucumber plantings fifth leaf stage southwest. Pepper transplant more than 50% complete, growth satisfactorily. Sweet corn growth excellent. Tomato transplanting more than 60% complete. Some apple varieties self-thinned due to dry weather. Plum curculio egg laying was light due to hot, dry, windy conditions. Sprayed for Codling moths and fire blight. Apple fruit 15-18 mm. Weather excellent for thinning. Strawberry harvest to begin this week. Sweet cherry volume excellent. Peach, plum, tart cherries had green fruit; condition very good.

MINNESOTA: Days suitable for fieldwork 4.9. Topsoil 5% very short, 17% short, 70% adequate, 8% surplus. Corn 94% emerged, 41% 1997, 41% avg. Soybeans 92% planted, 78% 1997, 53% avg.; 61% emerged, 7% 1997, 11% avg. Spring wheat 94% emerged, 31% 1997, 50% avg.; 29% jointed, 0% 1997, 3% avg. Oats 96% emerged, 68% 1997, 75% avg.; 9% jointed, 1% 1997, 5% avg. Barley 94% emerged, 25% 1997, 47% avg.; 33% jointed, 0% 1997, 3% avg. Sunflowers 66% planted, 15% 1997, 39% avg. Green peas 92% planted, 89% 1997, 80% avg. Potatoes 86% planted, 49% 1997, 61% avg. Sweet corn 74% planted, 62% 1997, 53% avg. Dry edible beans 73% planted, 27% 1997, 34% avg. Flax 69% planted, 4% 1997, 33% avg. Alfalfa 16% 1st cutting, 0% 1997, 0% avg. Spring wheat 2% very poor, 4% poor, 18% fair, 49% good, 27% excellent.

Corn 4% poor, 18% fair, 56% good, 22% excellent. Oats 1% very poor, 3% poor, 17% fair, 64% good, 15% excellent. Barley 4% very poor, 6% poor, 17% fair, 45% good, 28% excellent. Pasture feed 2% very poor, 7% poor, 22% fair, 59% good, 10% excellent. Continued mostly warm, sunny weather is keeping crop progress about 2 weeks ahead of normal. Scattered crop damage has occurred from hail, wind blown dirt. There are some drowned out spots from excess rains in the Red River Valley area, while other areas are short of rain. First cutting of hay shows good yields, feed values.

MISSISSIPPI: Days suitable for fieldwork 6.8. Soil moisture 23% very short, 56% short, 18% adequate, 3% surplus. Corn 100% planted, 100% 1997, 96% avg.; 93% emerged, 99% 1997, 93% avg.; 1% very poor, 9% poor, 30% fair, 54% good, 6% excellent. Rice 96% planted, 96% 1997, 91% avg.; 89% emerged, 88% 1997, 82% avg.; 2% poor, 36% fair, 58% good, 4% excellent. Soybeans 78% planted, 74% 1997, 59% avg.; 58% emerged, 57% 1997, 46% avg.; 9% poor, 30% fair, 55% good, 6% excellent. Peanuts 55% planted, 89% 1997, 82% avg. Sweet potatoes 11% planted, 10% 1997, 18% avg. Hay 55% harvested (cool season), 73% 1997; 7% harvested (warm season) 8% 1997. Peaches 6% harvested, 9% 1997, 4% avg. Wheat 100% heading, 100% 1997, 100% avg.; 42% mature, 24% 1997, 35% avg.; 6% harvested, 2% avg.; 2% very poor, 9% poor, 37% fair, 50% good, 2% excellent. Watermelons 75% planted, 91% 1997, 90% avg.; 19% poor, 32% fair, 39% good, 10% excellent. Blueberries 1% very poor, 18% poor, 41% fair, 38% good, 2% excellent. Cattle 1% very poor, 4% poor, 29% fair, 59% good, 7% excellent. Pasture feed 2% very poor, 16% poor, 39% fair, 39% good, 4% excellent. Activities: Planting soybeans, cotton, peanuts, sweet potatoes, harvesting hay. Crop conditions declined due to hot, dry weather.

MISSOURI: Days suitable for fieldwork 5.7. Topsoil 1% very short, 22% short, 62% adequate, 15% surplus. Corn least advanced in north central, northeast, east central, while all other districts 94% or more complete. Single crop soybean planting ranged from 15% south central to 74% central, northwest. Wheat heading least advanced northwest, northeast, central at 85%, 83%, 74%, while all other areas 90% or more complete. First crop alfalfa cut 38%, 26% 1997, 19% avg. Other hay cut 21%, 10% 1997, 8% avg. Pasture feed 4% poor, 24% fair, 59% good, 13% excellent.

MONTANA: Days suitable for fieldwork 5.7. Topsoil 31% very short, 48% short, 17% adequate, 4% surplus. Subsoil 36% very short, 38% short, 24% adequate. Precipitation was received throughout the state last week. Oats seeded 92%, 79% 1997, 80% avg.; emerged 75%, 50% 1997, 50% avg.; 3% very poor, 11% poor, 40% fair, 44% good, 2% excellent. Corn planted 93%, 91% 1997, 83% avg.; emerged 78%, 44% 1997, 37% avg. Sugar beets emerged 97%, 87% 1997, 83% avg. Dry beans planted 78%, 77% 1997, 66% avg.; emerged 49%, 14% 1997, 16% avg. Potatoes planted 35%, 54% 1997, 55% avg.; emerged 2%, 12% 1997, 7% avg. Calving is 98% complete, lambing 93% complete. Cattle moved to summer ranges 70%, sheep moved 71%.

NEBRASKA: Day suitable for fieldwork 4.4. Topsoil 1% very short, 16% short, 71% adequate, 12% surplus. Subsoil 2% very short, 11% short, 82% adequate, 5% surplus. Producers made excellent planting progress, until widespread rains limited activities. However, dry conditions continued in many southern tier counties bordering the State of Kansas. Winter wheat 2% very poor, 9% poor, 25% fair, 56% good, 8% excellent; 89% jointed, 78% 1997, 91% avg.; 30% headed, 12% 1997, 15% avg. Garden, Deuel counties experienced extensive damage to wheat fields due to hail storm last week. Corn 99% planted, 97% 1997, 86% avg.; 85% emerged, 64% 1997, 50% avg.; crop stands reduced due to wire worm damage. Soybeans 80% planted, 70% 1997, 42% avg.; 33% emerged, 16% 1997, 12% avg.; eastern parts of the State reported bean leaf beetles in earlier planted fields. Sorghum 62% planted, 62% 1997, 34% avg.; 17% emerged, 10% 1997, 6% avg. Dry beans 8% planted, 4% 1997, 5% avg. Alfalfa 3% poor, 21% fair, 61% good, 15% excellent, 4% 1st cutting, 1% 1997, 3% avg. Wild hay 6% poor, 21% fair, 56% good, 17% excellent. Pasture feed 5% poor, 23% fair, 62% good, 10% excellent. Activities: Summer fallow tillage, grain marketing, working cattle.

NEVADA: Unseasonably cold, breezy weather continued across western areas, while weather conditions moderated to near normal in the northeast toward the end of the week. Temperatures averaged well below normal most

areas. Limited precipitation was received northeast, very little elsewhere. Stream, river flows statewide remained well above normal. Alfalfa hay growth was halted or slowed by the cold weather. Weed control was commonly undertaken. Spring grain, potato planting resumed as fields dried sufficiently for work. Spring wheat, barley planting neared completion. Potato planting near complete Humboldt County. Calving, lambing well along. Branding, shearing, movement of livestock to summer range continued. Main farm, ranch activities: Field preparation, weed control, fertilizing, planting, working livestock.

NEW ENGLAND: Days suitable for fieldwork 6.4. Topsoil 1% very short, 13% short, 82% adequate, 4% surplus. Subsoil 8% short, 87% adequate, 5% surplus. Pasture feed 7% fair, 66% good, 27% excellent. Maine potatoes 80% planted, <5% 1997, 40% avg.; <5% emerged; condition good to excellent. Massachusetts potatoes 95% planted, 80% 1997, 85% avg.; 70% emerged; condition good. Rhode Island potatoes 90% planted, 80% 1997, 75% avg.; 40% emerged; condition good. Oats in Maine 85% planted, 15% 1997, 60% avg.; 55% emerged; condition good to excellent. Barley in Maine 85% planted, 15% 1997; 60% emerged; condition good to excellent. Field corn 50% planted, 30% 1997, 40% avg.; 25% emerged; condition good. Sweet corn 50% planted, 40% 1997, 45% avg.; 30% emerged; condition good. Shade tobacco 50% planted, 45% 1997, 40% avg.; condition good. Broadleaf tobacco 10% planted, 15% 1997, 10% avg.; condition good. First cut hay 15% harvested, 0% 1997, 0% avg.; condition good to excellent. Apples petal fall, set average to below average, condition good to fair. Peach petal fall, set average, condition good to fair. Pears petal fall, set average, condition good to excellent. Strawberries full bloom to petal fall, set average, condition good to fair. Cranberries bud stage, condition good. Highbush blueberries petal fall to full bloom, condition good. Wild blueberries full bloom to petal fall, condition good. A second good week for fieldwork with cooperative weather. Planting in full swing. Hay harvest underway. Major farm activities: Planting corn, tobacco, potatoes, vegetables; spreading manure; plowing, harrowing, fertilizing, spraying, liming soils.

NEW JERSEY: Days suitable for fieldwork 6 to 7. Planting, cultivating, mowing, spraying for diseases, pests continues. Fieldwork has been delayed 7 to 10 days central areas. Topsoil adequate to surplus in most of State. However, in south topsoil moisture is short, there is some irrigation. Sweet corn is almost completely planted and is starting to green up in some areas. Early tomatoes have been planted. Spring snap bean planting is almost completed. Planting continues on peppers, squash, pickles and eggplant. Harvest of asparagus, beets, leeks, chinese cabbage, endive, escarole, collards, kale, dandelion, swiss chard, broccoli raab, argula, basil, cilantro, dill, parsley, other herbs continues. There is a light harvest of peas and green squash. Harvest of turnips, spinach is increasing. There is a good volume of lettuce of all types (bib, boston and iceberg). Peaches, blueberries are sizing well. Hand thinning of peaches is being done. There is a moderate supply of strawberries. Wheat, rye, barley are all headed up. The first cutting of hay is underway. Farmers are planting field corn, soybeans. Sweet potatoes are being planted as fields dry out. Pastures are in good condition.

NEW MEXICO: Days suitable for fieldwork 6.9. As a result of continued dry weather topsoil moisture fell to 9% very short, 51% short, 39% adequate, 1% excellent. Winter wheat 1% very poor, 11% poor, 37% fair, 50% good, 1% excellent; 91% headed, 89% 1997, 90% avg. Under hot, dry conditions cotton plantings neared completion; 92% planted, 93% 1997, 88% avg.; 1% very poor, 33% fair, 45% good, 21% excellent. Corn 2% poor, 22% fair, 72% good, 4% excellent; 91% planted, 90% 1997; 86% emerged. Sorghum plantings progressed slowly last week as many dryland farmers were waiting for rainfall before beginning; 13% planted, 25% 1997, 21% avg. Alfalfa 1st cutting reached 67% complete, 62% 1997; 2nd cutting was underway in the south, 10% completed statewide; 35% 1997; 2% poor, 16% fair, 67% good, 15% excellent. Chile crop was maturing well under a hot sun; 1% poor, 20% fair, 64% good, 15% excellent. Lettuce harvest continued, 85% harvested; condition 8% fair, 28% good and 64% excellent. Onion condition remained good to excellent. Apples also remained in good condition with an average fruit set. Pecans stayed in good to excellent condition with an average nut set reported. Cattle, sheep were mostly in fair to good condition. Pasture feed, range 3% very poor, 19% poor, 35% fair, 40% good, 3% excellent.

NEW YORK: Days suitable for fieldwork 6.6. Soil moisture 21% short, 72% adequate, 7% surplus. Pasture feed 9% fair, 57% good, 28% excellent. Corn 72% planted, 41% 1997, 45% average. Oats 97% seeded, 72% 1997, 70% avg.; 81% good, 19% excellent. Wheat headed; 78% good, 22% excellent. Upstate potatoes 75% planted. Soybeans 46% planted. Strawberries beginning to color. Most orchards need rainfall. Vineyards in western regions showing spotty damage from earlier frost. Vegetable growth still ahead of average. Sweet corn planting near completion. Crops in good condition.

NORTH CAROLINA: Days suitable for fieldwork 6.3. Soil moisture is rated 1% very short, 20% short, 73% adequate, 6% surplus. A very dry week allowed farmers to make good progress especially in cotton, peanuts. Peanut crop is the only remaining crop significantly behind the 5 year planting average. Activities included: Planting corn, cotton, peanuts, sorghum, soybeans; transplanting tobacco, sweet potatoes; tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 6. Topsoil 10% very short, 28% short, 59% adequate, 3% surplus. Subsoil 7% very short, 23% short, 65% adequate, 5% surplus. Warm, dry conditions allowed producers to make excellent planting progress which is above 5-year avg. Small grain planting near completion, about two weeks ahead of avg. Durum wheat 87% planted, 67% 1997, 62% avg.; 57% emerged, 24% 1997, 29% avg. Canola 94% planted, 69% 1997; 71% emerged, 20% 1997. Corn 86% planted, 74% 1997, 62% avg.; 48% emerged, 25% 1997, 22% avg. Dry edible beans 57% planted, 25% 1997, 31% avg.; 9% emerged, 1% 1997, 5% avg. Flaxseed 90% planted, 42% 1997, 37% avg.; 57% emerged, 9% 1997, 12% avg. Potatoes 89% planted, 49% 1997, 63% avg.; 27% emerged, 3% 1997, 5% avg. Soybeans 54% planted, 41% 1997, 44% avg.; 22% emerged, 3% 1997, 10% avg. Sugarbeets 100% planted, 91% 1997, 86% avg.; 95% emerged, 34% 1997, 49% avg. Sunflower 50% planted, 14% 1997, 23% avg.; 9% emerged, 1% 1997, 3% avg. Dry soil conditions hinder hay crop potential, pasture growth in west, south central districts. Ranchers continued to move cattle to pasture. Pastures, ranges supplied 89% of roughage requirements. Stock water 4% short, 91% adequate, 5% surplus. Many pest problems throughout State. Broadleaf, wild oat spraying 16%, 25% complete respectively.

OHIO: Days suitable for fieldwork 4.0. Topsoil 2% very short, 16% short, 71% adequate, 11% surplus. Growers were able to get out into the fields in full force this past week to get caught up on their planting progress, other various aspects of fieldwork. Some wheat was damaged by hail last week. Corn planted 3 days behind avg.; emerged 3 points behind avg. Soybeans planted 2 days ahead of avg.; emerged tied with avg. Winter wheat headed 18 days ahead avg. Oats planted is approaching completion; emerged 8 points ahead of avg, 2% headed, 0% 1997, 1% avg. Alfalfa hay 30% 1st cutting, 3% 1997, 9% avg. Other hay 22% 1st cutting, 0% 1997, 5% avg. Potatoes 91% planted, 83% 1997, 82% avg. Tobacco 11% transplanted. Processing tomatoes 72% transplanted, 26% 1997, 44% avg. Sugar beets 92% planted. Hay 1% poor, 16% fair, 54% good, 29% excellent. Strawberries 9% fair, 65% good, 26% excellent. Activities: Field tillage; seeding CRP, filter strips; setting tomatoes, peppers; planting sweet corn; applying herbicides, insecticides, pesticides; spreading fertilizer, applying ammonia, side dressing some corn; green chopping hay, filling silos; baling hay; fence, equipment maintenance; repairing field tile; cleaning ditches. Northwestern district: Some growers were replanting some earlier planted corn. Reported weed pressures: giant ragweed; Canadian thistles; other grass, broadleaf weeds. Reported insects: corn flea beetle, black cutworm in corn; spotty bean leaf beetle in soybeans; Alfalfa weevil, potato leafhopper in alfalfa; aphids in tomatoes; Colorado potato beetles in potatoes; slugs in vegetables; mosquitos, carpenter bees in buildings, honey bee swarms active. Reported diseases: powdery mildew, septoria, leaf rust, wheat spindle streak mosaic virus in wheat; early blight on tomatoes; blue mold, target spot on tobacco; botrytis in strawberries.

OKLAHOMA: Days suitable for fieldwork 6.1. Topsoil 10% very short, 31% short, 58% adequate, 1% surplus. Subsoil 1% very short, 20% short, 78% adequate, 1% surplus. Warm, dry weather ripened wheat, allowed row crop plantings to increase significantly. Wheat 36% soft dough, 31% 1997, 40% avg. Oats 85% heading, 81% 1997, 74% avg.; 39% soft dough, 39% 1997, 30% avg. Corn 8% fair, 92% good; 98% up-to-stand, 83% 1997, 89% avg.

Sorghum 74% seedbed prepared, 59% 1997, 73% avg.; 5% up-to-stand, 5% 1997, 12% avg. Soybeans 86% seedbed prepared, 92% 1997, 79% avg.; 45% planted, 54% 1997, 42% avg.; 16% up-to-stand, 24% 1997, 21% avg. Peanuts 27% up-to-stand, 16% 1997, 13% avg. Cotton 25% up-to-stand, 4% 1997, 13% avg.; Alfalfa hay 1% poor, 20% fair, 68% good, 11% excellent; 82% 1st cutting, 72% 1997, 67% avg.; 4% 2nd cutting, 3% 1997, 2% avg. Other hay 37% 1st cutting, 43% 1997, 39% avg. Livestock 1% poor, 17% fair, 79% good, 3% excellent. Feeder cattle prices down \$2 per cwt. from the preceding week.

OREGON: Days suitable for fieldwork 3.5. Topsoil 4% short, 70% adequate, 26% surplus. Subsoil 4% short, 84% adequate, 12% surplus. Winter wheat 8% fair, 50% good, 42% excellent; headed 21%, 35% 1997, 34% avg. Barley planted 95%, 93% 1997, 86% avg. Range, pasture feed 5% fair, 56% good, 39% excellent. Activities: Wet, rainy weather delayed fieldwork across State. Western regions grain, seed, hay crops ample moisture to carry to harvest. Hay, grass seed in Rogue River Valley lodged because of rain. Rain interfered spring grain, row crop plantings, haying. Spring planting on eastside mostly completed, showers welcomed. Alfalfa 1st cutting stopped due to rain; some hay got wet. Wheat continued to head, looked good. Nurseries, greenhouses busy with repotting, transporting, trimming. Regular sales to local retail stores slowed down by cold, wet conditions. On the south coast Easter Lilies in bud, growers scouting for aphids. Rain continued to affect vegetable growers. Dry, warmer weather needed for saturated fields. Western areas green pepper, melon, tomato growers worried rains will lead to rot. Central valley green beans, corn need nitrogen, weed control. Onions up, soggy; potatoes appeared good despite rain. On eastside potatoes emerged, quality good. State wide cool wet weather continued to slow fruit development. Willamette Valley strawberries developing, canberries in full bloom, apples, pears starting to size. Powdery mildew affecting apples. Berry growers concerned with fruit rot, increased slug activity. Rogue River Valley tree fruit setting, strawberry set good to heavy, could be ruined due to rain. South coast cranberry development ranged from hook to early bloom. Rose bloom fungus present in many beds. Hood River Valley fireblight appearing in apple, pear blocks. Livestock condition good. Branding completed in northeast. Turnout to summer ranges continued on eastside, slower than normal because winter ranges abundant feed. Stock water abundant. Hay feeding stopped in Klamath Basin. On westside forage growth good, low areas too wet for optimum growth.

PENNSYLVANIA: Days suitable for fieldwork 6.0. Topsoil 12% short, 79% adequate, 9% surplus. Good week for fieldwork. Spring plowing 87% complete, 91% 1997, 85% avg. Corn planted 65% complete, 73% 1997, 64% avg. Soybeans planted 25% complete, 42% 1997, 34% avg. Oats planted 96% complete, 98% 1997, 91% avg. Potatoes planted 55% complete, 69% 1997, 69% avg. Barley 93% heading or headed, 81% 1997, 70% avg. Wheat 65% heading or headed, 47% 1997, 34% avg.; 1% poor, 10% fair, 76% good, 13% excellent. Oat 1% poor, 20% fair, 70% good, 9% excellent. Alfalfa 1st cutting 25% complete, 15% 1997, 12% avg. Timothy clover first cutting 13% complete, 1997, average not available. Quality of hay made 6% fair, 65% good, 29% excellent. Activities: Planting of oats, corn, soybeans; cutting hay; spraying herbicides; machinery maintenance; hauling manure; caring for livestock. Almost no rain was reported this week.

SOUTH CAROLINA: Days suitable for fieldwork 6.4. Soil moisture 4% very short, 32% short, 62% adequate, 2% surplus. Apples 94% good, 6% excellent. Barley 100% headed, 100% 1997, 99% avg.; 56% turned color, 89% 1997, 71% avg.; 40% ripe, 60% 1997, 30% avg.; 1% poor, 24% fair, 34% good, 41% excellent. Cantaloupes 93% planted, 99% 1997, 94% avg.; 11% poor, 21% fair, 59% good, 9% excellent. Cucumbers 100% planted, 100% 1997, 94% avg.; 20% fair, 60% good, 20% excellent. Hay 83% harvested, 86% 1997, 78% avg.; 2% poor, 27% fair, 58% good, 13% excellent. Oats 80% turned color, 93% 1997, 83% avg.; 40% ripe, 70% 1997, 48% avg.; 21% harvested, 25% 1997, 14% avg.; 1% very poor, 3% poor, 31% fair, 59% good, 6% excellent. Peaches 2% very poor, 6% poor, 14% fair, 52% good, 26% excellent. Rye 100% headed, 100% 1997, 77% turned color, 90% 1997, 81% avg.; 40% ripe, 60% 1997, 43% avg.; 2% very poor, 5% poor, 35% fair, 48% good, 10% excellent. Snap beans 95% planted, 90% 1997, 85% avg.; 50% good, 50% excellent. Sorghum 52% planted, 47% 1997, 37% avg.; 14% fair, 57% good, 29% excellent. Tobacco 100% transplanted, 100% 1997, 100% avg.; 19% fair, 72% good, 9% excellent. Tomatoes 100% planted, 99% 1997, 100% avg.; 23% fair, 71%

good, 6% excellent. Watermelons 99% planted, 100% 1997, 95% avg.; 1% very poor, 3% poor, 36% fair, 56% good, 4% excellent. Winter Wheat 100% headed, 100% 1997, 100% avg.; 92% turned color, 93% 1997, 82% avg.; 56% ripe, 41% 1997, 38% avg.; 6% harvested, 5% 1997, 3% very poor, 9% poor, 45% fair, 36% good, 7% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 4.6. Topsoil 4% very short, 9% short, 68% adequate, 19% surplus. Subsoil 2% very short, 9% short, 69% adequate, 20% surplus. Good progress made planting row crops, well ahead of the five-year average. Winter wheat 1% poor, 11% fair, 62% good, 26% excellent. Winter wheat 73% boot, 17% headed. Winter rye 74% boot, 33% headed. Spring wheat 2% poor, 16% fair, 62% good, 20% excellent. Spring wheat 20% boot. Barley 1% poor, 18% fair, 63% good, 18% excellent. Oats 1% poor, 14% fair, 66% good, 19% excellent; 14% boot. Sunflower 38% seeded, 9% 1997, 12% avg. Flaxseed 82% seeded, 29% 1997, 36% avg. Soybeans 59% seeded, 47% 1997, 32% avg. Alfalfa 2% poor, 19% fair, 58% good, 21% excellent. Livestock 1% poor, 6% fair, 69% good, 24% excellent. Lambing 94% complete, calving 96% complete. Producers have moved 79% of the cattle to pasture. Feed supplies 4% short, 87% adequate, 9% surplus. Stockwater 1% very short, 4% short, 78% adequate, 17% surplus. Range, pasture feed 2% poor, 16% fair, 61% good, 21% excellent.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 19% short, 75% adequate, 6% surplus. Subsoil 7% short, 86% adequate, 7% surplus. Corn 95% planted, 97% 1997, 95% avg.; 80% emerged; 4% poor, 21% fair, 62% good, 13% excellent. Tobacco 40% transplanted, 42% 1997, 45% avg. Wheat 70% turning color, 25% 1997, 31% avg.; 2% very poor, 9% poor, 28% fair, 52% good, 9% excellent. Alfalfa 80% 1st cutting completed, 53% 1997, 62% avg.; 2% poor, 23% fair, 60% good, 15% excellent. Pastures feed 1% poor, 19% fair, 65% good, 15% excellent. Other hay 60% first cutting completed; 1% poor, 19% fair, 63% good, 17% excellent. Sunny skies and dry fields throughout the State last week provided farmers excellent conditions for fieldwork. Producers took advantage of the favorable weather to virtually wrap up corn planting and cut over three-fourths of the alfalfa hay crop. Tobacco transplanting was 2 days behind normal as of May 24. Wheat development is approximately 8 days ahead of schedule. Certain localities reported that they are in need of rain.

TEXAS: Dry conditions continued cause problems across state with little, no relief in sight. Late week few thundershowers sprung up, however lack of measurable rain a serious problem. Many producers in Plains, North Central held up planting operations until adequate moisture becomes available. Crops Central, Southern areas continued wilt under hot afternoon temperatures. Pasture conditions suffered. Haying operations slow to start up. Some liquidation occurred livestock herds parts of state due dry conditions.

Crops: Corn steady irrigation in High Plains allowed crop make good progress, however rainfall would relieve irrigation needs. Planting winding down later fields. Hot, dry conditions caused wilt many fields Central, Southern areas. Plants in Blacklands beginning to tassel. Fields in Coastal Bend, along Upper Coast silking, need of rain. Fields in Rio Grande Valley entering dough stage, made fair progress with timely irrigation. Statewide corn condition rated 64% normal, 85% 1997; 18% silked, 6% 1997, 13% avg.; 1% doughing, 0% 1997, 2% avg. Cotton high winds, blowing sand caused problems to young plants in Plains. Planting on irrigated fields winding down. Planting been slow to start on dryland fields. Most fields look good in Blacklands, however rainfall needed very soon. Dry conditions also slowed planting remaining Central fields. Plants squaring along Upper Coast, also Rio Grande Valley where growth been poor. Cotton 58% normal, 81% 1997; 11% squaring, 4% 1997, 8% avg. Grain sorghum planting continued slowly in Plains where growth early fields retarded by dry weather. Fields showing stress in Blacklands, Central. Fields heading along Upper Coast, in Coastal Bend where rainfall badly needed. Some fields turning color in Rio Grande Valley under very dry conditions. Grain sorghum 56% normal, 86% 1997; 18% heading, 7% 1997, 15% avg. Peanuts planting irrigated land winding down North Central areas. Dryland planting been slow all areas as producers wait for moisture. Rice producers along Upper Coast continued heavily flush fields help germination, growth. Many stand reported as poor. Weed control continued some fields. Soybean planting continued Plains under dry conditions. Growth on fields in Northern Blacklands slow. Planting, growth on early varieties along Upper Coast slowed during week due dry conditions. Small Grains: Open conditions allowed harvest progress

into Northern Blacklands. Yields have been surprisingly good despite dry weather. Harvest got underway few fields North Central, however many have been cut for hay, grazed out. Irrigated fields continued make good progress in Plains while dryland conditions declined. 91% headed, 90% 1997, 91% avg.; 4% harvested, 1% 1997, 3% avg. Other crops: Sunflowers 51% planted, 31% 1997, 34% avg. Oats 28% harvested, 5% 1997, 12% avg.

Commercial Vegetables: Rio Grande Valley, harvest operations continued without delay last week. San Antonio- Winter Garden, harvest operations continued under hot, dry conditions. Growth on later watermelon fields slow. East, more sweet potatoes set out last week, however progress on early planted fields slowed by dry conditions. Dry conditions continued stress other crops. High Plains, onions made good progress during week. Trans Pecos, high winds caused some damage to young cantaloupe vines. Peaches: Harvest continued in Hill Country on early varieties. A light harvest continued East. Pecans: Small nutlets continued form most groves across Central, Southern areas. Casebearer spraying continued many groves. Continued dry conditions will have a negative effect on how many nuts stay on trees.

Range and Livestock: Declining pasture conditions have led to culling cattle herds some areas. Haying operations continued slow across state. Many producers will be forced to feed hay if rainfall not received soon. Calf markets continued to be off.

UTAH: Days suitable for fieldwork 6. Topsoil 9% short, 75% adequate, 16% surplus. Subsoil 7% short, 79% adequate, 14% surplus. Pasture feed, range 3% poor, 18% fair, 65% good, 14% excellent. Oats planted 91%, 90% 1997, 85% avg.; emerged 61%, 68% 1997, 68% avg. Corn planted 79%, 92% 1997, 82% avg.; emerged 39%. Potatoes planted 97%, 91% 1997. Alfalfa hay 1st cutting 2%. Alfalfa height 16 inches, 16 inches 1997, 15 inches avg. Sheep moved to summer range 33%, 40% 1997, 42% avg. Cattle/calves moved to summer range 44%, 53% 1997, 48% avg. Major farm, ranch activities: Planting between storms, spraying weeds.

VIRGINIA: Days suitable for fieldwork 5.5. Topsoil 5% short, 80% adequate, 15% surplus. Subsoil 1% short, 82% adequate, 17% surplus. Corn 81% planted, 81% 1997, 84% avg.; 63% emerged; 2% poor, 11% fair, 68% good, 19% excellent. Cotton 98% planted, 96% 1997, 99% avg.; 13% fair, 82% good, 5% excellent. Peanuts 90% planted, 88% 1997, 91% avg.; 12% fair, 81% good, 7% excellent. Soybeans 14% planted, 18% 1997, 21% avg. Flue-cured tobacco 77% transplanted, 84% 1997, 80% avg. Dark fire cured tobacco 54% transplanted, 59% 1997, 54% avg. Burley tobacco 20% transplanted, 28% 1997, 25% avg. Sun Tobacco 17% transplanted, 19% 1997, 40% avg. Tobacco green houses 4% fair, 38% good, 58% excellent. Tobacco plantbeds 5% very poor, 10% poor, 32% fair, 40% good, 13% excellent. Winter wheat 3% very poor, 6% poor, 19% fair, 57% good, 15% excellent. Barley 2% very poor, 4% poor, 16% fair, 60% good, 18% excellent. Summer potatoes 3% very poor, 3% poor, 19% fair, 59% good, 16% excellent. Apples 10% fair, 71% good, 19% excellent. Peaches 19% fair, 63% good, 18% excellent. Pasture feed 1% poor, 8% fair, 63% good, 28% excellent. Alfalfa 7% fair, 68% good, 25% excellent. Other hay 1% poor, 6% fair, 63% good, 30% excellent. Weather conditions were varied around the State with overcast, rainy conditions in some localities, while open weather provided ideal conditions for hay making in other areas. An undetermined amount of hail damage to apples, peaches was reported in isolated southwestern localities. Moderate to extensive hail, storm damage to the wheat, corn crops in some Southeastern localities was reported last weekend. Many producers were able to resume field activities making tremendous progress in crop planting and hay making. Some corn acres were replanted due to flood damage. More producers are concerned with excessive lodging in wheat, barley fields due to high winds, storms. Other small grain producers are concerned with powdery mildew problems as well as scab, other diseases. Producers in drier localities were able to make hay last week with good to excellent yields. The quality of this year's hay crop will be reduced but quantity will be abundant based on initial cuttings. Other farming activities included vegetable planting, tomato staking and tying, strawberry harvesting, fruit thinning, fence repairing.

WASHINGTON: Days suitable for fieldwork 5.2. Topsoil 8% short; 82% adequate, 10% surplus. Subsoil 9% short, 90% adequate, 1% surplus. Winter wheat, dryland 2% poor, 18% fair, 60% good, 20% excellent. Irrigated 83% good, 17% excellent. Spring wheat 100% planted, 99% 1997, 97% avg.; 99% emerged, 91% 1997, 87% avg. Spring wheat, dryland 3%

poor, 12% fair, 60% good, 25% excellent. Irrigated 90% good, 10% excellent. Barley 100% planted, 98% 1997, 97% avg.; 99% emerged, 89% 1997, 85% avg. More rainfall received last week. Cereal grains are in generally good condition. Some areas are reporting significant cheat grass problems, resulting in declining conditions for some areas. Rainfall stopped most haying operations. Potatoes 100% planted, 99% 1997, 97% avg.; 89% emerged, 61% 1997, 72% avg. Hay, other roughage supplies 85% adequate, 15% surplus. Green chop operations continued. Most pasture were in excellent condition. Range, pasture feed 10% fair, 67% good, 23% excellent. Cooler temperatures continued to increase disease pressures on all fruit crops. Skagit County growers testified before Washington State Department of Agriculture on a proposed apple quarantine, due to apple maggot infestations. Growers were increasing cover sprays in most areas. Overall, fruit crops are off to a very good start. Blueberry producers began irrigating fields. Turf grass growers reported heavy demand. Christmas tree growers applied fungicides. Vegetable planting continued. Asparagus harvest progressed.

WEST VIRGINIA: Days suitable for fieldwork 5.1. Intended acreage prepared for spring planting 87%, 93% 1997, 86% avg. Topsoil 1% short, 88% adequate, 11% surplus. Producers took advantage of the mostly open weather to continue planting and begin hay harvesting. Wheat 20% fair, 40% good, 40% excellent, headed 79%, 76% 1997, 74% avg. Apple 15% poor, 77% fair, 4% good, 4% excellent. Peach 16% poor, 66% fair, 18% good. Hay 2% poor, 24% fair, 59% good, 15% excellent; 1st cut 15%, 4% 1997, 8% avg. Corn planted 55%, 73% 1997, 67% avg. Oats 53% fair, 47% good; planted 86%, 87% 1997, 88% avg.; emerged 64%, 69% 1997, 71% avg. Soybeans planted 41%, 60% 1997, 35% avg. Tobacco transplanted 10%, 9% 1997, 13% avg. Cattle 16% fair, 78% good, 6% excellent. Sheep 9% fair, 88% good, 3% excellent. Activities: Field preparation for planting, planting corn, oats, soybeans; transplanting tobacco; cutting hay.

WISCONSIN: Days suitable for fieldwork 6.5. Soil moisture 13% very short, 30% short, 54% adequate, 3% surplus. Soybeans planted 70% complete, 65% 1997, 44% avg. Soybeans have emerged, 2 inches high in Trempealeau County. Dry weather over most of State advanced planting last week. No rain was reported in the north central, northeast districts while 0.2 inch fell on parts of the northwest district. Rainfall is below normal in all northern districts. The driest district was the northeast, where rainfall is 3 inches below normal. Over 90% of the northeast district was rated very short to short last week. Pasture feed 2% very poor, 8% poor, 22% fair, 56% good, 12% excellent. Southeast district, 80% of the corn crop was in the ground last week, compared to 44% complete the previous week. First cutting of hay was 15% harvested, well ahead of last year. Early planted corn was off to a great start in Rusk County. Alfalfa was at an 18 inch harvest maturity in Oconto County, and alfalfa weevils were observed in hayfields. Fruit trees have finished blooming in most areas. In Portage County, the second side dressing took place on potatoes last week. Winter wheat was heading out in Kenosha County.

WYOMING: Days suitable for fieldwork 6.0. Topsoil 1% very short, 28% short, 70% adequate, 1% surplus. Subsoil 1% very short, 34% short, 64% adequate. Winter wheat jointed 83%, 49% 1997, 56% avg.; boot 6%. Barley seeded 94%, 97% 1997, 95% avg.; emerged 78%, 82% 1997, 82% avg.; jointed 20%, 30% 1997, 13% avg. Oats seeded 93%, 90% 1997, 89% avg.; emerged 56%, 64% 1997, 59% avg.; jointed 5%, 10% 1997, 5% avg. Spring wheat seeded 95%, 88% 1997, 87% avg.; emerged 63%, 64% 1997, 60% avg.; jointed 12%, 12% 1997, 5% avg. Sugar beets planted 100%, 100% 1997, 99% avg.; emerged 79%, 82% 1997, 76% avg. Corn planted 91%, 92% 1997, 84% avg.; emerged 57%, 55% 1997, 48% avg. Dry beans planted 37%, 31% 1997, 20% avg.; emerged 7%, 4% 1997, 1% avg. Current prospects for alfalfa hay 2% very poor, 4% poor, 27% fair, 61% good, 6% excellent. Range, pasture feed 2% very poor, 4% poor, 18% fair, 66% good, 10% excellent. Range flock ewes lambled 73%, 64% 1997, 67% avg. Livestock 1% poor, 7% fair, 78% good, 14% excellent. Precipitation fell across the some of the southeast, western areas of the State. There was little help for farmers in northern, some south central parts of the State where dry conditions persist.

International Weather and Crop Summary

May 17 - 23, 1998

HIGHLIGHTS

FSU-WESTERN: Widespread, light to moderate rain in Ukraine favored winter grains and spring planted crops, while several days of dry weather in Russia helped summer crop planting.

FSU-NEW LANDS: Rain and continued cold weather in Siberia and eastern Kazakstan caused further delays in spring grain planting.

EUROPE: Warm and generally dry weather in northern areas continued to favor summer crop planting, while widespread showers in southeastern Europe continued to boost soil moisture for reproductive winter grains and newly-emerged spring planted crops.

MEXICO: Unseasonably hot, dry weather stressed pastures and livestock across northern Mexico and delayed early corn planting across the south.

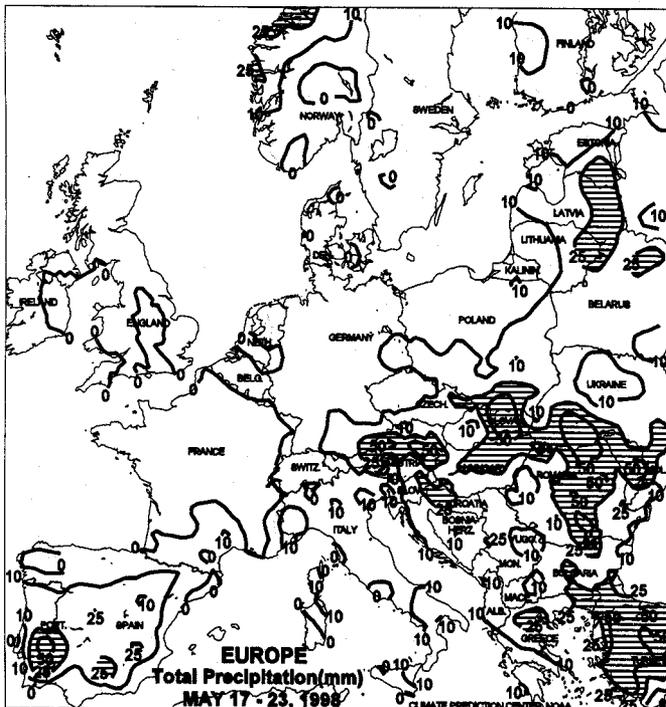
CANADA: Rain over sections of Alberta and Saskatchewan provided much-needed moisture to emerging spring grains and oilseeds.

SOUTHEAST ASIA: The rainy season started across Thailand and southern Vietnam, and widespread showers brought some drought relief to the Philippines.

EASTERN ASIA: Widespread rain benefited germinating summer crops across the North China Plain and Manchuria.

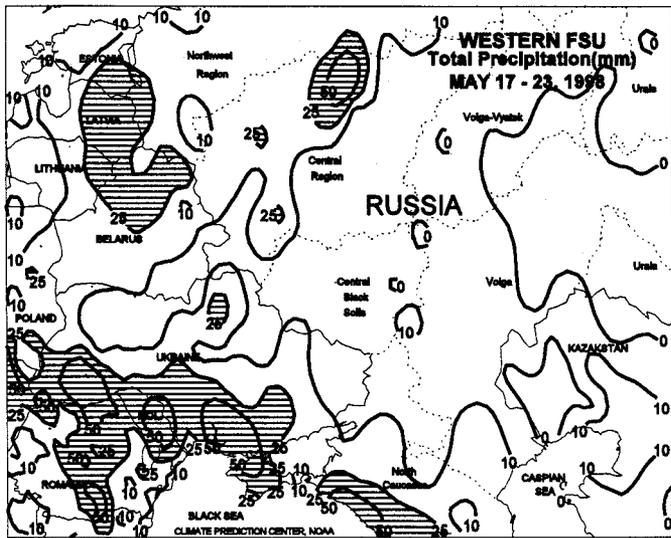
SOUTH AMERICA: Mostly dry weather favored summer crop harvesting across the region.

AUSTRALIA: Showers kept topsoils moist for winter grain germination.



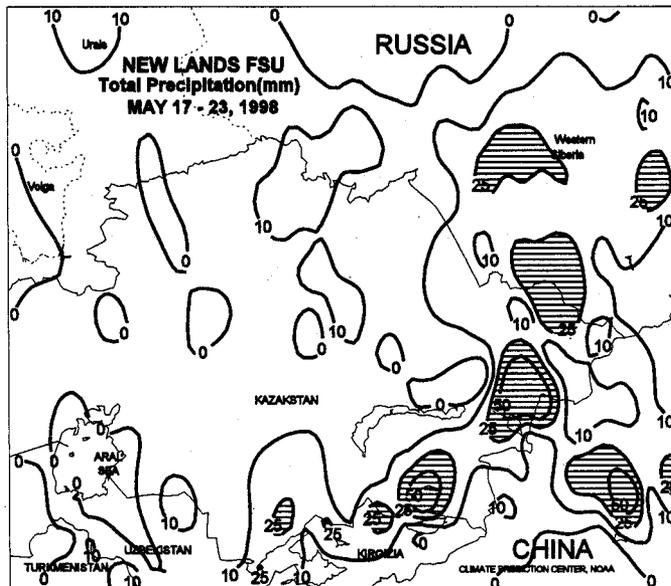
EUROPE

Generally dry weather (precipitation amounts generally less than 10 mm) continued to prevail from England and France eastward through Germany, Scandinavia, and northern Poland. The dry weather in these areas allowed spring grain and summer crop planting to progress towards completion without delays. However, the dryness in these areas has persisted since early May, lowering topsoil moisture. In Spain and Portugal, widespread rain (10-40 mm with local amounts in excess of 40 mm) continued to provide favorable moisture for winter grains in the filling stage and summer crops in the vegetative stage. In Italy, mostly dry weather helped fieldwork for corn and sunflower planting. In eastern Europe, frequent showers (10-40 mm with local amounts in excess of 40 mm) fell from southern Poland southward through Slovakia, Hungary, Romania, Serbia, Bulgaria, and Greece. Although the precipitation in these areas continued to boost soil moisture for crops, some delays in late summer crop planting may have resulted. Weekly temperatures averaged 1 to 3 degrees C above normal in western Europe and 2 to 4 degrees C below normal in the east.



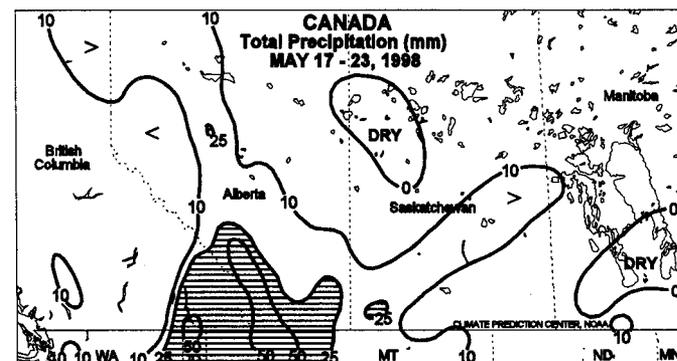
FSU-WESTERN

Widespread light to moderate rain fell in Ukraine, Moldova, and southern areas in the North Caucasus region in Russia, providing favorable moisture conditions for spring-planted crops and winter grains, in or nearing the heading stage. Greatest amounts of precipitation (25-50 mm, with local amounts in excess of 50 mm) were observed in southern Ukraine and Moldova, with lighter precipitation (4-25 mm) falling in northern and eastern Ukraine and the southern North Caucasus. Reports as of May 18 indicated spring grain, sunflower, and sugar beet planting in Ukraine was virtually completed. Elsewhere, light, scattered showers (precipitation amounts less than 8 mm) prevailed in the remainder of Russia, allowing spring grain and summer crop planting to progress without delays. Mostly dry weather in Belarus and the Baltics early in the week was followed by widespread rain (10-40 mm) at week's end, providing favorable moisture for spring-planted crops and winter grains in the jointing stage. Weekly temperatures averaged 1 to 3 degrees C above normal in extreme northern Russia and 1 to 3 degrees C below normal in Ukraine and southern Russia. Extreme maximum temperatures ranged from 20 to 25 degrees C in the west and 25 to 30 degrees C in easternmost crop areas.



FSU-NEW LANDS

Spring grain planting was typically well underway in most areas. Cold, wet weather (10-50 mm, with local amounts in excess of 50 mm) caused further delays in spring grain planting in eastern areas of Siberia and eastern Kazakhstan. However, drier weather (precipitation amounts ranging from 3 to 10 mm) prevailed in western areas (Urals, western areas in Siberia, and the western half of Kazakhstan), improving conditions for spring grain planting. Weekly temperatures averaged 1 to 3 degrees C below normal in western areas and 2 to 4 degrees C below normal in the east. Extreme minimum temperatures fell below freezing at most locations, ranging from -1 to -4 degrees C. The cold weather slowed spring grain emergence. In cotton growing areas of Central Asia, scattered showers (10-25 mm) were confined to eastern growing areas. Unseasonably cool weather slowed early cotton growth in most areas, with weekly temperatures averaging 1 to 3 degrees C below normal.



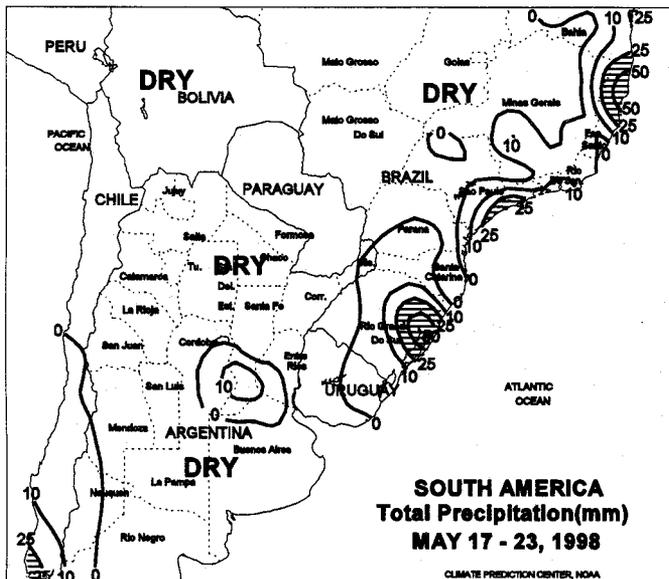
CANADA

Beneficial rain (10-25 mm or more) improved spring grain and oilseed prospects over sections of Alberta and Saskatchewan. The highest amounts (25-50 mm or more) were recorded in the southwest. In contrast, dry pockets lingered in the northwestern growing districts. The recent dry spell across the Prairies has allowed spring plantings to approach completion at a pace well ahead of both last year and the 5-year average. However, moisture reserves are unfavorably low at many locations, and, given the unseasonably dry winter, few areas would be able to withstand a prolonged spell of heat and dryness. Farther east, dry, warmer-than-normal weather covered Ontario and Quebec. The recent trend toward warmth and dryness has favored corn planting and hastened winter wheat development, but western and northern growing areas are reporting shortages in moisture reserves.



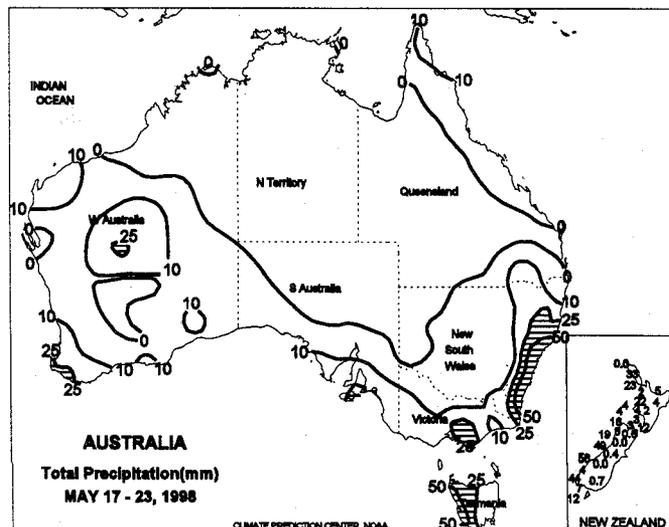
MEXICO

Unseasonably hot, dry weather stressed pastures and livestock across northern Mexico and delayed early corn planting across southern Mexico. Across most of Mexico, temperatures averaged 2 to 4 degrees C above normal. In northern Mexico, highs ranged from 35 to 41 degrees C. The rainy season was erratic over Central America, with only a few showers (10-30 mm) reported.



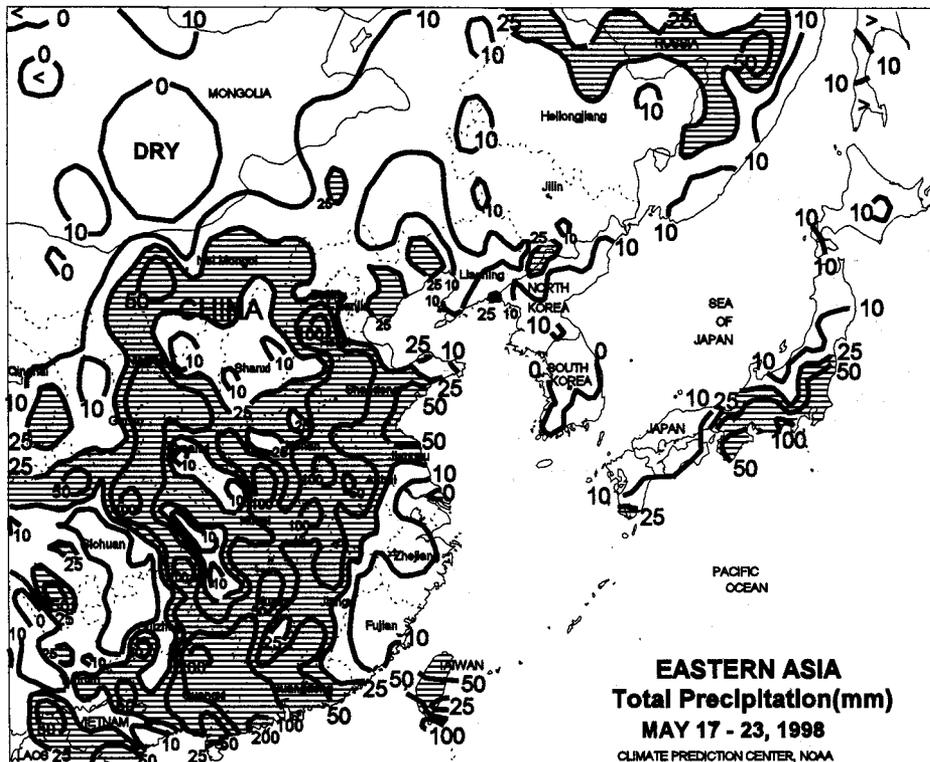
SOUTH AMERICA

Mostly dry, warm weather prevailed across northern and central Argentina, favoring summer crop harvesting. Only light rain (10-20 mm) prevailed across southern Santa Fe. Temperatures averaged near normal across northern Argentina and 2 to 3 degrees C above normal in central Argentina. According to reports as of May 15, Argentine cotton, soybean, corn, and sunflowerseed crops were 38, 62, 56, and 96 percent harvested, respectively. Last year at this time, cotton, soybean, corn, and sunflowerseed harvesting was 60, 87, 83, and 99 percent done, respectively. Mostly dry weather also prevailed in southern Brazil, aiding soybean harvesting and winter wheat planting in Parana and Sao Paulo. The dry weather also favored coffee maturation in Minas Gerais.



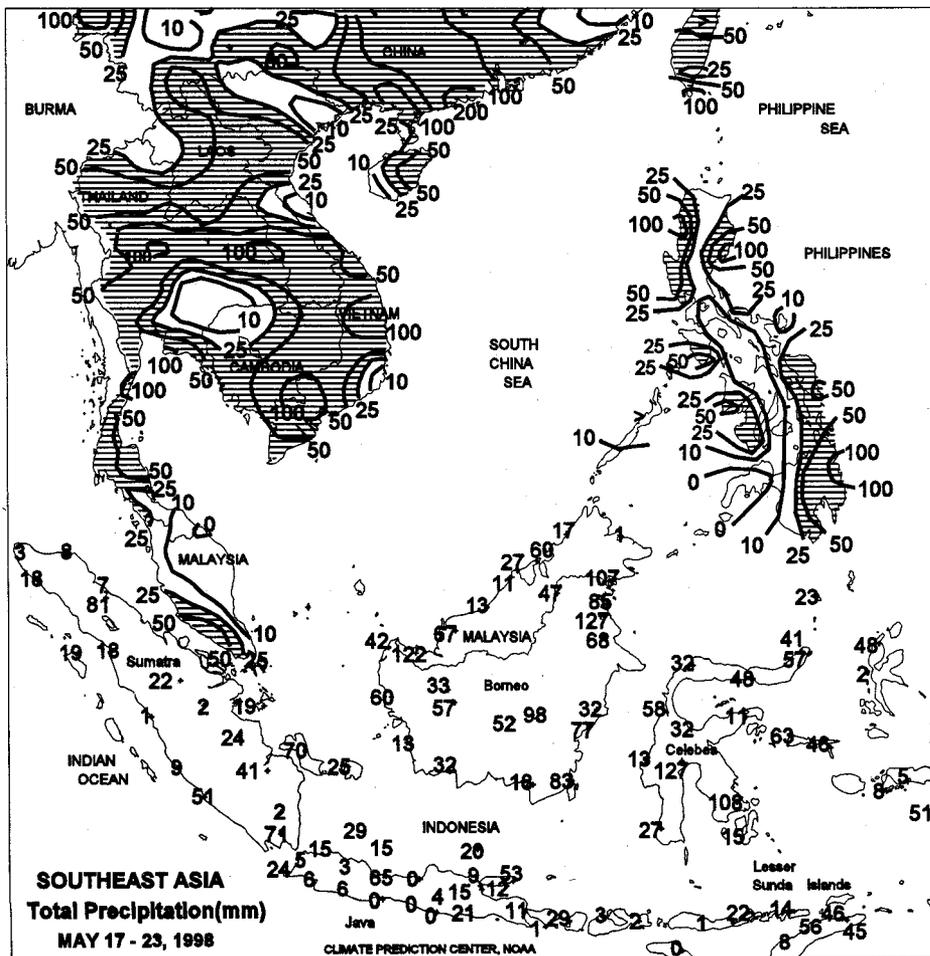
AUSTRALIA

Mostly light showers (less than 10 mm, with isolated totals exceeding 25 mm) kept topsoils moist for winter wheat and barley germination. Near- to above-normal temperatures favored rapid emergence. The heavy rain (50 mm or greater) that developed along the New South Wales coast fell on the Pacific side of the Dividing Range, missing the main agricultural areas. Planting should continue to make good progress over the next few weeks due to the highly favorable field moisture content. Unofficial reports from within Australia indicated that nation-wide planting had reached the half-way point. New Zealand was dominated by cool, mostly dry weather.



EASTERN ASIA

Unseasonably heavy rain (25-60 mm) covered the North China Plain, aiding filling winter wheat and germinating to vegetative summer crops. During late May, rainfall typically averages about 10 mm per week in this region. Rain (10-20 mm) covered Manchuria, aiding germinating summer crops. Widespread showers (25-100 mm) maintained rice irrigation supplies across central and southern China. Temperatures averaged near normal across the North China Plain and 2 to 3 degrees C above normal across the Yangtze Valley and Manchuria. Mostly dry weather prevailed across the Korean peninsula, while light to moderate showers (10-70 mm) were observed across Japan.



SOUTHEAST ASIA

Moderate showers (25-80 mm) covered most of Thailand, increasing moisture supplies for main-season rice. Moderate to heavy showers (50-130 mm) continued to ease dryness across southern Vietnam and most of the Philippines. Showers (15-60 mm) aided oil palm across western peninsular Malaysia, but lesser amounts (less than 10 mm) prevailed across the eastern peninsula. In Java and southern Sumatra, precipitation (totals of 5-20 mm, with isolated amounts greater than 50 mm) diminished across the region. Typically, the rainy season wanes across Java during May to October.

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(Continued from front cover)

Daily-record highs were established on 6 consecutive days (May 15-20) in **Pensacola, FL**, including a maximum of 95°F on Monday. Similarly, five records were broken in **Hot Springs, AR**, including four consecutive maxima of 96°F from May 18-21. On Monday, daily records were established as far north as **St. Cloud, MN** (94°F) and **Eau Claire, WI** (91°F). **Salina, KS** notched 98°F. Two days later, highs topped 100°F as far north as **San Angelo, TX** (102°F).

In the West, highs on Sunday struggled to 51°F in **Pendleton, OR** and 68°F in **Bakersfield, CA**. Farther north, **Spokane, WA** collected a daily-record rainfall (0.90 inches). Daily-record lows were broken in locations such as **Redding, CA** (41°F on Sunday), **Sacramento, CA** (43°F on Wednesday), and **Ely, NV** (22°F on Friday). As of May 25, the water equivalent of the **Sierra Nevada** snow pack stood at 33 inches, greater than the average for the traditional peak snow pack date (April 1) and 264 percent of normal for the date. In **Oregon**, monthly rainfall (through May 24) reached 4.73 inches in **Salem** and 5.07 inches in **Portland**, eclipsing May records that had been set in 1942 and 1996, respectively. By week's end, year-to-date precipitation approached normal annual totals in locations such as **Reno, NV** (7.32 inches; 97 percent of their yearly normal) and **Burns, OR** (9.46 inches; 95 percent). Annual normals were exceeded several weeks ago in locations such as **Las Vegas, NV** (4.36 inches; 106 percent) and **Bakersfield, CA** (11.70 inches; 205 percent).

Meanwhile, no measurable rain fell during the first 23 days of May in locations such as **Victoria, TX** and **New Orleans, LA**. **Victoria's**

January 1 - May 23 rainfall, 7.83 inches, stood in stark contrast to last year's 37-inch total during the same period. Elsewhere in **Texas**, **Corpus Christi's** March 17 - May 23 rainfall was a mere 0.05 inches, their lowest 68-day total since the drought of 1995-96. Farther east, month-to-date totals were as low as 0.04 inches in **Jackson, MS** and 0.03 inches in **Pensacola, FL**.

Weekly rainfall topped 2 inches in a band from the western **Corn Belt** to the central **Appalachians**. Totals reached 2.18 inches in **Des Moines, IA**, 2.89 inches in **Louisville, KY** and 3.53 inches in **Indianapolis, IN**. Weekly rainfall also exceeded 2 inches in parts of northern and central **Maine**. In western **Montana**, frequent storminess boosted monthly rainfall to 2.33 inches (179 percent of normal) in **Butte** and 1.40 inches (106 percent) in **Helena**. At week's end, cooler air edged into the **Great Lakes and Northeastern States**, producing a daily-record low (36°F) on Saturday in **Scranton, PA**.

After a short absence, mild weather returned to northern **Alaska**, where weekly departures reached +7°F. Near- to below-normal temperatures prevailed, however, across the southern part of the State. In **Hawaii**, meanwhile, locally heavy rain eased drought in some areas, especially on the windward side of the **Big Island**. Forty-eight hour rainfall on May 19-21 reached 5.13 inches in **Hilo** and 5.76 inches in **Mountain View**. Nevertheless, dryness persisted in many locations, including **Honolulu**, where January 1 - May 23 rainfall was 1.71 inches (16 percent of normal).

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