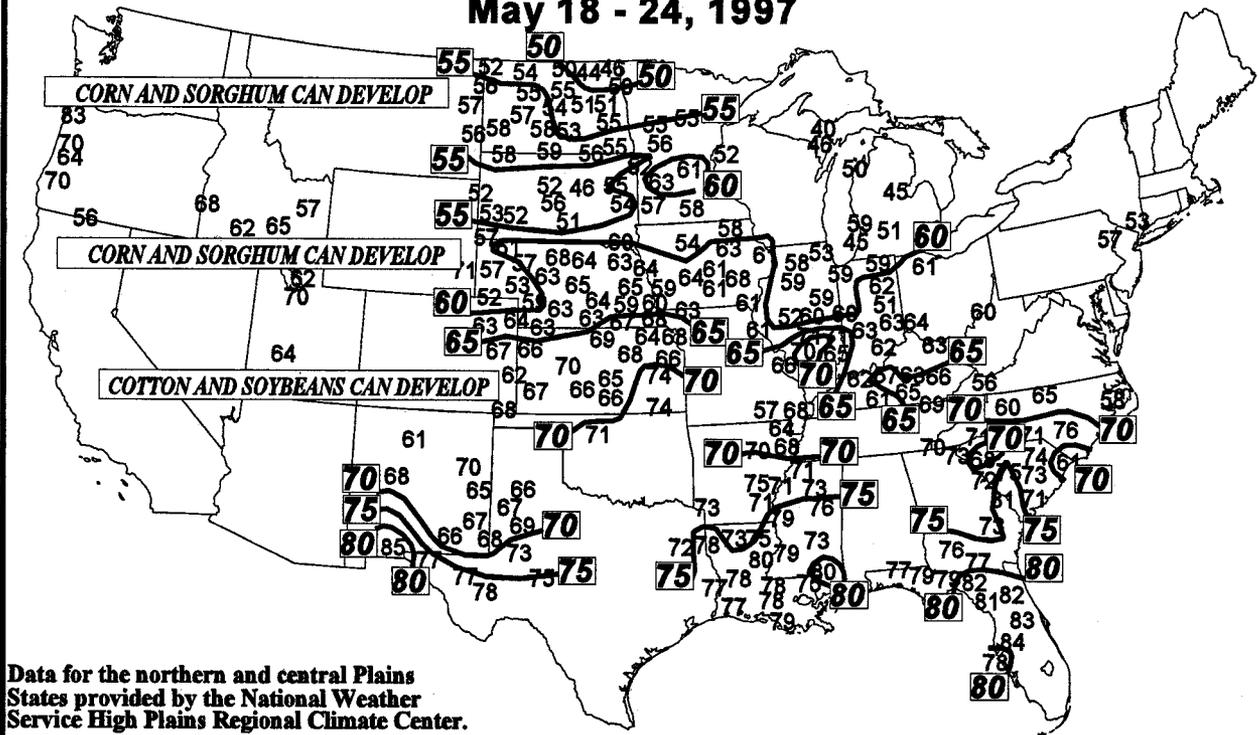


### Average Soil Temperature (°F 4-Inch Bare)

May 18 - 24, 1997

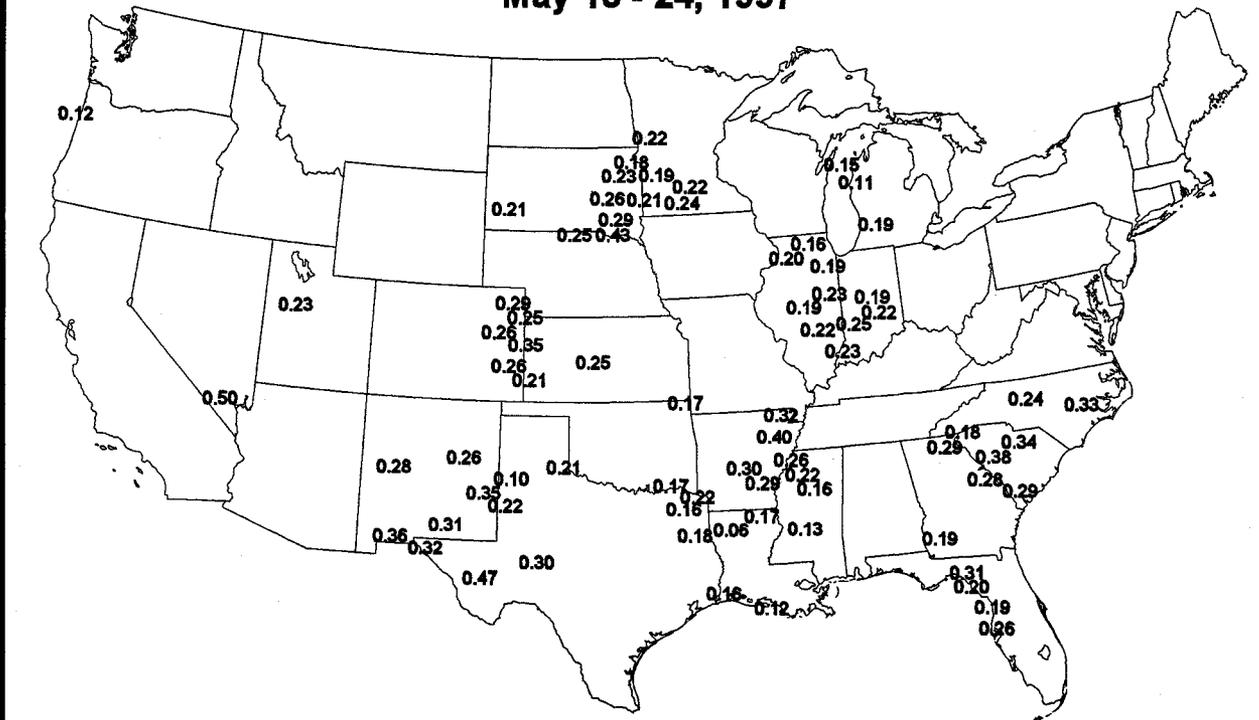


Data for the northern and central Plains States provided by the National Weather Service High Plains Regional Climate Center.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
Based on preliminary data

### Average Pan Evaporation (Inches/Day)

May 18 - 24, 1997



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
Based on preliminary data

(Continued from front cover)

time this year at some locations in the eastern Corn Belt. In contrast, hot weather persisted for a fifth consecutive week in the Southwest, where temperatures averaged up to 7°F above normal.

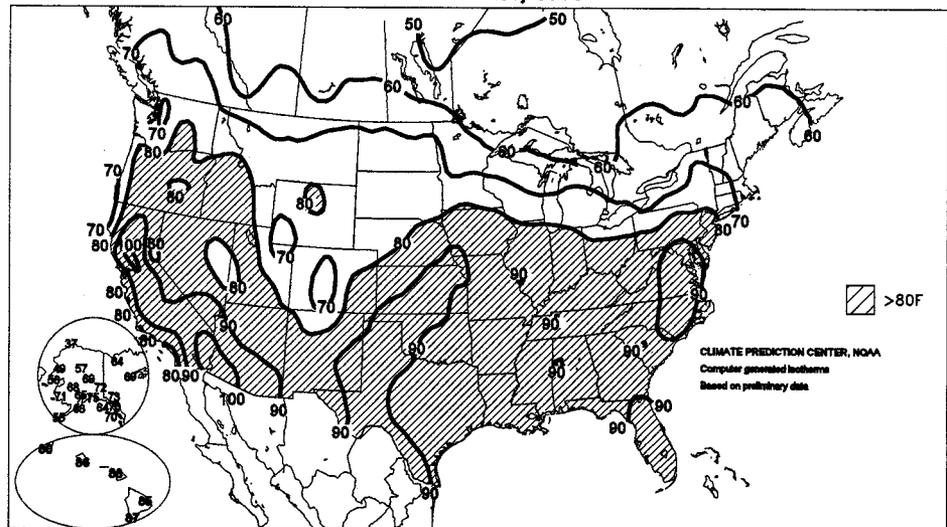
Early in the week, hot weather dominated the West Coast States, while a ribbon of heat preceded a cold front sweeping eastward from the central and southern Plains. On Sunday, highs soared to daily-record levels in Medford, OR (91°F) and downtown Sacramento, CA (104°F). Farther east, Kansas City, MO netted a daily-record high of 91°F. A day later, highs reached 90°F as far north as Harrisburg, PA.

In contrast, temperatures dipped below freezing across the northern Plains on May 19-20. On Monday, daily-record lows in Montana included 29°F in Billings and 30°F in Great Falls. A day later, Williston, ND logged 23°F. Frost returned to parts of the Midwest on May 20-22. On Tuesday, daily-record lows hit the freezing mark in Sioux City, IA and Flint, MI. Daily records on May 21 included 30°F in Madison, WI and 33°F in Minneapolis, MN. Farther east, Lynchburg, VA tallied three consecutive daily-record lows (41, 36, and 38°F) on May 21-23, raising their monthly total to seven. Bristol, TN registered 36°F on Thursday, their lowest reading so late in the spring. Farther south, however, Ft. Myers, FL collected a daily-record high of 96°F.

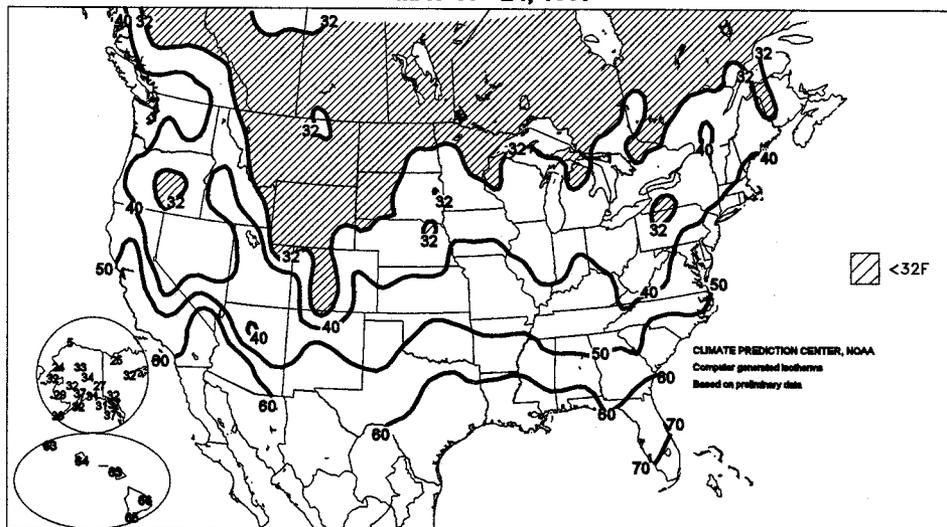
On Saturday, highs reached the 80-degree mark for the first time this year in locations such as South Bend, IN and Chicago, IL. The latter city marked its longest sub-80°F streak (September 11, 1996 to May 23, 1997, or 255 days) since the observation site was moved away from Lake Michigan in 1942.

During the week, three primary storms pursued similar tracks across the Northwest and into the central Plains. The storms provided 20 to 50 percent (%) of the year-to-date precipitation at some sites in the central and northern Plains, including Scottsbluff, NE (4.12 inches, or 47%), Goodland, KS (1.44 inches, 41%),

Extreme Maximum Temperature (°F)  
MAY 18 - 24, 1997

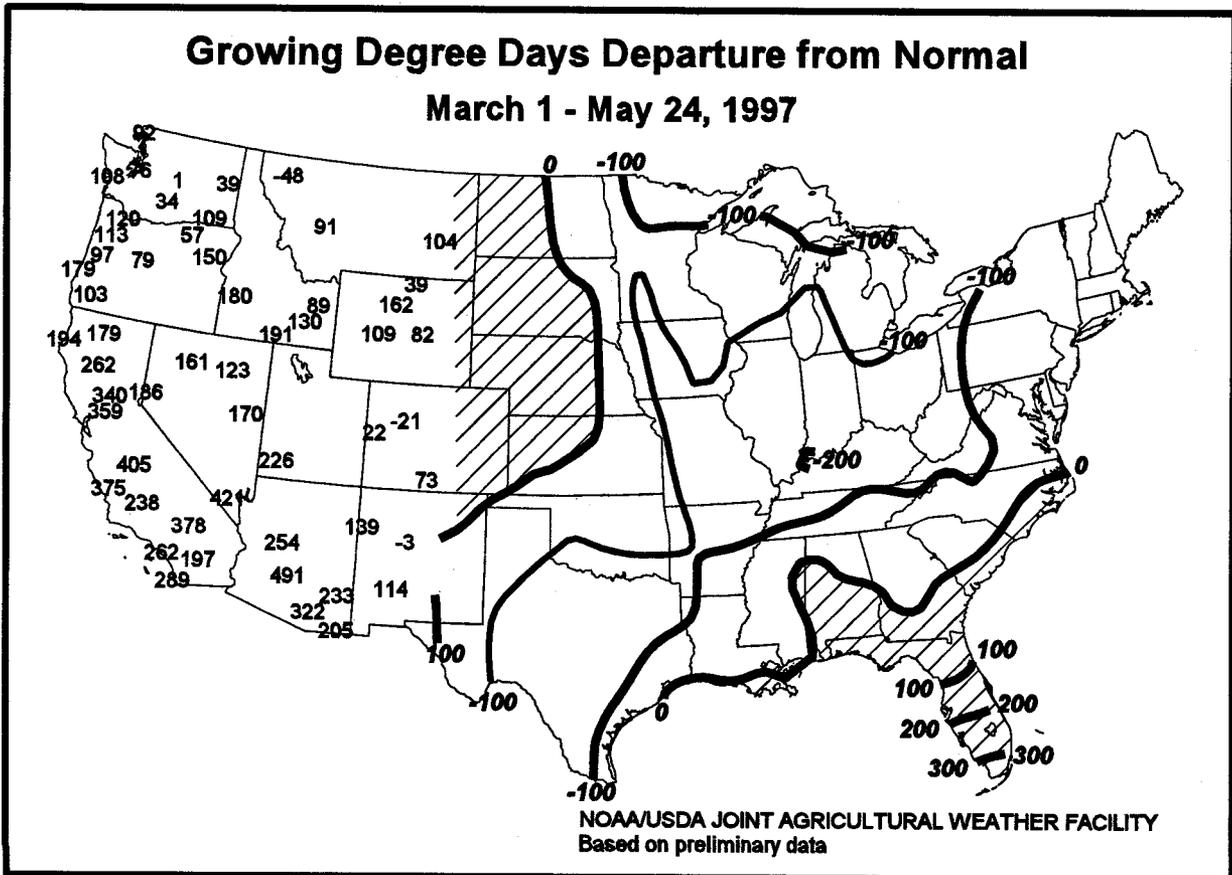
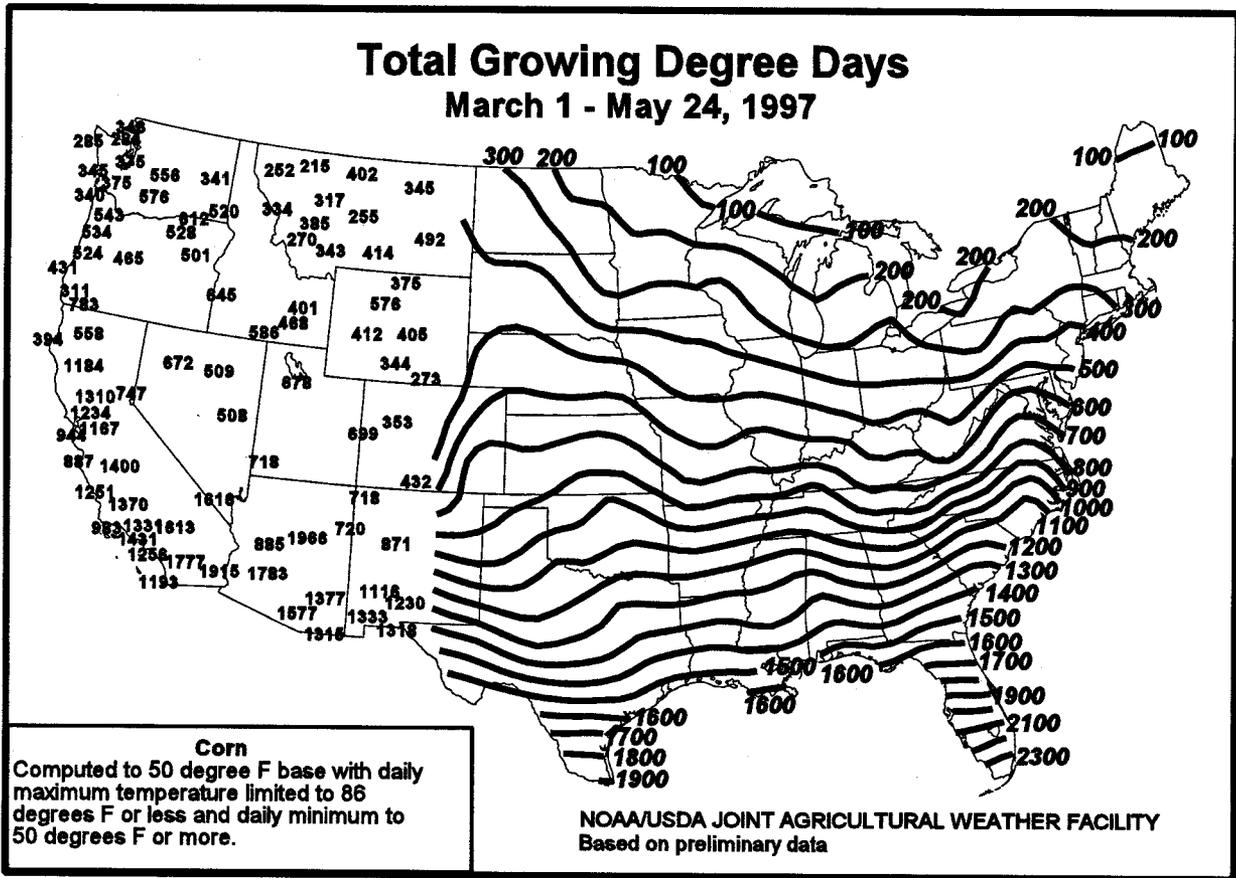


Extreme Minimum Temperature (°F)  
MAY 18 - 24, 1997



Fargo, ND (1.89 inches, 23%), Norfolk, NE (1.36 inches, 23%), and Dodge City, KS (1.01 inches, 22%). Farther south and east, weekly rainfall topped 3 inches in locations such as Rockford, IL, Meridian, MS, and Victoria, TX. More than 6 inches pelted Lake Charles, LA. In southeastern Texas, rainfall during 1997 reached 15.80 inches (179% of normal) in Corpus Christi and 37.00 inches (323% of normal) in Victoria. The recent rain boosted the combined late-May holdings of Choke Canyon Reservoir and Lake Corpus Christi to 33.4% of conservation-pool level, up from 29.4% at the end of February. In 1996, when the region was enveloped in a serious drought, January-to-May rainfall totaled 2.78 inches in Corpus Christi and 4.81 inches in Victoria.

Generally dry weather prevailed in Hawaii, but highly variable conditions governed Alaska, where temperature departures ranged from -3°F across the north to +6°F in the south. On Sunday, Cold Bay recorded a May-record wind gust to 76 mph. Two days later, the mercury in Juneau topped the 70-degree mark for the first time this year en route to a daily-record high of 73°F. Farther north, however, Barrow ended the week with a daily-record low of 5°F.



# National Weather Data for Selected Cities

Weather Data for the Week Ending May 24, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	81	58	87	47	69	-2	0.97	-0.11	-	10.68	71	21.80	88	-	-	0	0	2	1		
AL HUNTSVILLE	79	58	88	49	69	-1	0.86	-0.29	0.80	12.64	81	23.38	91	84	48	0	0	3	1		
AL MOBILE	85	66	87	63	75	0	2.85	1.53	1.33	14.44	94	24.99	98	94	48	0	0	4	3		
AL MONTGOMERY	81	62	89	57	72	0	0.69	-0.23	0.42	8.64	63	21.59	90	94	58	0	0	3	0		
AK ANCHORAGE	58	40	65	36	49	1	0.00	-0.17	0.00	0.77	40	1.40	40	95	37	0	0	0	0		
AK BARROW	28	15	37	5	20	-2	0.00	-0.03	0.00	0.17	36	0.25	36	90	80	0	7	0	0		
AK FAIRBANKS	60	39	69	34	50	-1	0.00	-0.15	0.00	0.14	12	0.73	36	93	36	0	0	0	0		
AK JUNEAU	69	44	73	37	57	9	-	-	-	-	-	-	-	-	0	0	-	-	-		
AK KODIAK	57	41	63	32	49	4	0.00	-1.28	0.00	14.57	111	31.48	122	82	52	0	1	0	0		
AK NOME	42	33	56	32	37	-1	0.60	0.46	0.44	2.16	127	4.05	131	97	81	0	4	5	0		
AZ FLAGSTAFF	68	39	74	35	63	2	0.10	-0.03	0.08	1.98	42	6.21	71	-	-	0	0	2	0		
AZ PHOENIX	96	74	101	71	85	5	0.00	-0.03	0.00	0.24	20	1.70	66	50	18	7	0	0	0		
AZ PRESCOTT	74	50	84	43	62	3	2.10	1.99	1.04	3.17	102	6.24	101	-	-	0	0	3	2		
AZ TUCSON	91	65	94	59	78	3	0.28	0.25	0.19	0.92	79	2.53	93	70	18	5	0	2	0		
AZ YUMA	97	73	105	69	85	5	0.00	0.00	0.00	0.08	20	0.55	57	48	21	7	0	0	0		
AR FORT SMITH	78	60	90	55	69	-1	0.48	-0.72	0.48	9.02	75	16.06	97	89	57	1	0	1	0		
CA LITTLE ROCK	80	60	90	53	70	-2	1.49	0.36	-	17.83	125	26.10	120	-	-	1	0	-	-		
CA BAKERSFIELD	89	62	99	57	76	4	0.00	-0.03	0.00	0.21	12	2.99	81	66	20	3	0	0	0		
CA EUREKA	84	51	67	47	58	4	0.06	-0.23	0.04	6.30	67	17.68	88	90	61	0	0	2	0		
CA FRESNO	89	65	99	58	77	7	0.00	-0.05	0.00	0.12	4	3.50	51	62	19	3	0	0	0		
CA LOS ANGELES	72	63	75	61	67	4	0.00	-0.03	0.00	0.00	0	4.21	54	87	65	0	0	0	0		
CA REDDING	85	56	98	50	71	3	0.43	0.17	0.43	5.22	70	14.93	83	-	-	2	0	1	0		
CA SACRAM/MCCLELL	86	60	102	57	73	-3	0.39	-	0.39	1.28	-	8.65	-	-	2	0	1	0			
CA SAN DIEGO	71	65	74	63	68	4	0.00	-0.03	0.00	0.28	10	3.54	58	79	66	0	0	0	0		
CA SAN FRANCISCO	73	57	82	54	65	6	0.21	0.20	0.21	0.76	16	8.56	70	86	53	0	0	1	0		
CO ALAMOSA	86	39	75	33	52	0	0.22	0.08	0.18	0.84	60	2.21	113	86	34	0	0	3	0		
CO COLORADO	85	44	73	38	54	-3	0.63	0.11	0.51	4.61	123	5.04	114	-	-	0	0	3	1		
CO DENVER	71	44	79	39	58	-1	0.87	0.32	0.60	2.39	49	3.06	62	-	-	0	0	4	1		
CO GRAND JUNCTION	73	51	84	47	62	-2	0.48	0.29	0.19	3.36	146	4.06	121	79	39	0	0	5	0		
CO PUEBLO	73	44	84	36	59	-4	0.27	-0.03	0.14	2.83	108	3.42	106	91	41	0	0	5	0		
CT BRIDGEPORT	67	47	76	44	57	-3	0.47	-0.41	0.43	10.57	100	15.67	93	-	-	0	0	3	0		
CT HARTFORD	67	46	76	43	56	-5	0.92	-0.02	0.87	9.21	86	13.78	79	73	39	0	0	2	1		
DC WASHINGTON	80	54	96	48	67	-1	0.00	-0.85	0.00	7.21	83	12.21	87	65	34	1	0	0	0		
DE WILMINGTON	71	48	87	43	60	-4	0.08	-0.82	0.04	5.37	56	9.03	57	-	-	0	0	2	0		
FL DAYTONA BEACH	84	71	90	64	78	2	1.04	0.19	0.88	7.09	94	9.58	71	-	-	1	0	3	1		
FL JACKSONVILLE	85	68	90	61	77	2	0.29	-0.57	0.28	7.63	87	11.70	75	93	56	1	0	1	0		
FL KEY WEST	88	80	89	77	84	3	0.02	-0.84	0.02	4.59	77	8.92	91	83	67	0	0	1	0		
FL MIAMI	89	77	94	74	83	3	0.91	-0.65	0.85	13.14	136	16.37	119	87	57	2	0	3	1		
FL ORLANDO	89	70	93	65	80	2	0.84	-0.07	0.81	9.30	125	12.81	100	93	55	3	0	2	1		
FL TAMPA	89	73	91	68	81	3	0.02	-0.78	0.02	12.96	205	14.56	128	93	60	3	0	1	0		
FL VALPARAISO/EGLIN	84	70	86	63	77	3	0.97	-0.01	0.78	10.19	73	22.31	100	-	-	0	0	2	1		
FL WEST PALM BEACH	87	76	89	75	81	3	1.07	-0.57	1.05	10.91	101	19.61	121	87	63	0	0	2	1		
GA ATHENS	81	58	87	52	70	-1	0.41	-0.58	0.32	7.34	57	18.20	83	96	46	0	0	3	0		
GA ATLANTA	79	59	85	51	69	-1	0.20	-0.76	0.19	7.65	57	20.29	88	82	53	0	0	2	0		
GA AUGUSTA	84	56	90	47	70	-2	0.00	-0.87	0.00	6.74	62	15.24	80	90	42	1	0	0	0		
GA COLUMBUS	81	64	88	57	72	-1	0.43	-0.51	0.37	10.36	78	20.46	90	-	-	0	0	2	0		
GA MACON	83	60	89	51	72	-1	2.12	1.31	1.91	7.28	66	17.76	88	94	50	0	0	3	1		
GA SAVANNAH	83	62	88	57	73	-2	1.08	0.10	0.75	7.05	72	12.44	75	92	51	0	0	2	1		
HI HILO	82	68	86	66	75	1	0.01	-2.00	0.01	34.65	93	44.80	78	87	66	0	0	1	0		
HI HONOLULU	84	67	86	64	76	-2	0.46	0.22	-	6.53	140	14.40	138	83	54	0	0	-	-		
HI KAHULUI	84	69	88	63	76	0	-	-	-	-	-	-	-	81	56	0	0	-	-		
HI LIHUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ID BOISE	75	48	82	44	62	3	0.34	0.10	0.24	2.74	81	5.61	95	75	27	0	0	2	0		
ID LEWISTON	72	48	79	42	60	0	0.10	-0.20	0.10	4.58	143	8.21	152	-	-	0	0	1	0		
ID POCATELLO	73	44	79	37	58	3	0.58	0.28	0.28	2.52	72	4.49	82	78	30	0	0	4	0		
IL CHICAGO/O'HARE	69	41	84	36	55	-5	0.70	-0.04	0.67	5.35	60	11.13	95	84	41	0	0	2	1		
IL MOLINE	73	46	89	39	59	-4	0.75	-0.21	0.65	6.07	60	11.56	89	-	-	0	0	2	1		
IL PEORIA	73	46	87	39	60	-4	0.92	0.09	0.50	5.63	59	11.89	95	86	40	0	0	3	1		
IL ROCKFORD	70	43	82	35	57	-4	3.04	2.21	2.75	8.31	93	12.27	108	-	-	0	0	2	1		
IL SPRINGFIELD	75	47	89	40	61	-4	0.79	-0.02	0.70	5.05	62	9.14	70	-	-	0	0	2	1		
IN EVANSVILLE	77	52	86	42	64	-3	0.59	-0.49	0.59	13.42	108	20.39	112	84	39	0	0	1	1		
IN FORT WAYNE	70	42	83	37	56	-6	1.22	0.46	0.91	7.44	83	13.19	104	83	46	0	0	2	1		
IN INDIANAPOLIS	74	49	84	39	61	-3	0.22	-0.69	0.20	8.16	77	15.58	101	70	37	0	0	2	0		
IN SOUTH BEND	67	41	80	32	54	-7	0.92	0.20	0.46	5.85	60	10.46	77	-	-	0	1	3	0		
IA BURLINGTON	73	48	89	39	60	-4	0.48	-0.38	0.36	5.70	62	11.75	101	-	-	0	0	3	0		
IA CEDAR RAPIDS	72	46	87	38	59	-4	0.89	0.02	0.83	6.40	77	10.09	98	-	-	0	0	2	1		
IA DES MOINES	72	49	89	40	61	-2	0.18	-0.77	0.18	7.89	88	8.80	81	70	33	0	0	2	0		
IA DUBUQUE	68	43	79	36	56	-5	0.57	-0.39	0.56	6.99	71	10.77	87	80	39	0	0	2	1		
IA SIOUX CITY	71	48	85	32	59	-4	1.44	0.57	1.44	5.29	75	6.23	75	77	39	0	1	1	1		
IA WATERLOO	72	45	84	35	58	-4	0.30	-0.84	0.19	7.44	85	9.18	87	-	-	0	0	2	0		
KS CONCORDIA	76	50	82	40	63	-2	1.90	0.86	1.89	5.17	67	6.71	74	83	42	1	0	2	1		
KS DODGE CITY	75	52	90	42	63	-3	1.01	0.29	0.59	3.33	56	4.55	65	90	45	1	0	5	1		
KS GODDARD	71	46	82	38	59	-2	1.44	0.59	0.63	2.47	48	3.52	69	86	52	0	0	5	1		
KS TOPEKA	76	52	82	42	64	-2	1.08	0.03	0.78	7.03	79	9.90	91	85	41	1	0	2	1		

Based on 1961-90 normals

Weather Data for the Week Ending May 24, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	76	56	91	47	66	-2	1.71	0.65	0.91	7.42	85	9.94	93	78	44	1	0	2	2		
KY JACKSON	74	53	85	43	64	-2	0.44	-0.63	0.25	13.09	106	19.06	98	-	-	0	0	2	0		
KY LEXINGTON	73	51	84	38	62	-3	0.86	-0.18	0.41	18.55	158	26.54	148	83	41	0	0	4	0		
KY LOUISVILLE	76	55	87	46	66	-1	1.58	0.62	1.24	23.22	186	31.88	171	80	43	0	0	2	1		
LA PADUCAH	76	53	86	44	65	-3	1.03	-0.07	0.94	17.77	129	25.71	123	-	-	0	0	3	1		
LA BATON ROUGE	83	68	87	64	76	-1	2.93	1.86	1.40	18.18	129	31.81	130	-	-	0	0	6	2		
LA LAKE CHARLES	83	70	87	68	77	1	6.33	4.99	2.84	17.89	163	31.16	163	98	71	0	0	6	3		
LA NEW ORLEANS	84	70	87	69	77	1	2.80	1.75	1.55	10.26	80	22.82	95	93	61	0	0	7	2		
LA SHREVEPORT	79	65	86	61	72	-1	0.98	-0.36	0.52	23.38	188	35.94	173	92	70	0	0	3	1		
ME CARIBOU	55	37	61	33	46	-7	0.56	-0.17	0.34	7.56	104	13.39	116	88	50	0	0	3	0		
ME PORTLAND	61	42	66	38	51	-4	0.43	-0.37	0.23	11.11	105	16.15	93	84	43	0	0	2	0		
MD BALTIMORE	77	47	93	41	62	-3	0.07	-0.78	0.06	8.98	97	14.05	91	-	-	1	0	2	0		
MA BOSTON	65	47	71	46	56	-4	1.34	0.62	1.21	9.99	102	13.50	79	85	49	0	0	3	1		
MA WORCESTER	60	42	68	39	51	-6	1.20	0.21	1.13	12.05	107	17.11	93	-	-	0	0	3	1		
MI ALPENA	57	36	69	30	46	-7	0.43	-0.20	0.21	6.41	100	12.55	134	90	48	0	1	3	0		
MI GRAND RAPIDS	66	41	79	37	53	-6	0.89	0.19	0.98	5.55	66	12.28	105	88	41	0	0	2	1		
MI HOUGHTON LAKE	61	36	71	32	49	-7	0.77	0.17	0.51	6.00	97	10.27	116	90	41	0	2	3	1		
MI LANSING	66	37	78	30	51	-8	0.69	0.03	0.69	6.44	88	11.51	115	-	-	0	2	1	1		
MI MARQUETTE	53	35	71	30	44	-8	0.52	-0.18	0.42	8.91	116	16.50	142	93	57	0	2	4	0		
MI MUSKEGON	62	39	77	33	51	-7	0.12	-0.46	0.08	4.85	65	10.12	89	86	41	0	0	3	0		
MI DULUTH	52	38	57	34	46	-8	1.12	0.40	0.42	3.72	58	5.21	62	91	54	0	0	5	0		
MI INTL FALLS	54	39	58	28	46	-8	0.44	-0.16	0.27	3.93	89	4.84	82	90	45	0	1	4	0		
MI MINNEAPOLIS	68	46	77	33	57	-4	0.51	-0.29	0.33	3.70	54	5.52	63	79	39	0	0	4	0		
MI ROCHESTER	64	44	74	34	54	-5	1.23	0.44	0.72	6.68	93	9.02	105	78	42	0	0	3	1		
MI ST. CLOUD	63	43	71	31	53	-5	0.24	-0.52	0.15	2.76	45	4.72	63	82	39	0	1	3	0		
MS JACKSON	80	64	85	61	72	-1	3.42	2.22	1.12	14.24	90	25.42	97	97	67	0	0	7	3		
MS MERIDIAN	81	62	89	56	71	-1	3.14	2.18	1.20	15.26	97	25.84	98	98	66	0	0	6	2		
MS TUPELO	78	58	88	46	68	-3	2.26	0.98	1.79	16.58	104	27.29	107	-	-	0	0	3	1		
MO COLUMBIA	72	49	87	43	61	-3	1.22	0.12	0.67	6.87	65	14.00	102	86	47	0	0	3	1		
MO KANSAS CITY	75	53	91	43	64	-2	1.39	0.20	0.71	8.45	89	11.76	101	77	48	1	0	3	2		
MO SAINT LOUIS	76	53	91	46	65	-3	0.21	-0.70	0.12	6.65	66	13.42	96	76	38	1	0	2	0		
MO SPRINGFIELD	74	51	84	42	62	-3	0.11	-1.02	0.07	8.97	78	14.09	93	82	40	0	0	2	0		
MT BILLINGS	67	44	75	29	56	-1	0.58	-0.03	0.39	2.62	53	3.58	55	82	47	0	1	2	0		
MT BUTTE	66	34	76	24	50	1	1.33	0.88	0.77	4.52	148	6.66	167	-	-	0	2	3	2		
MT GLASGOW	61	40	71	33	51	-6	0.49	0.06	0.31	2.81	118	3.16	105	82	39	0	0	4	0		
MT GREAT FALLS	57	38	68	30	47	-7	0.65	0.05	0.29	3.28	74	3.72	63	-	-	0	2	5	0		
MT KALISPELL	64	40	69	30	52	0	0.49	0.04	0.26	4.10	118	7.14	117	85	38	0	2	2	0		
MT MILES CITY	68	45	78	31	57	-2	0.19	-0.36	0.06	2.21	60	2.51	54	-	-	0	1	5	0		
MT MISSOULA	70	40	79	33	55	2	0.94	0.51	0.68	4.38	134	6.82	128	82	36	0	0	2	1		
NE GRAND ISLAND	71	48	85	33	60	-3	0.45	-0.45	0.43	3.53	48	4.59	54	82	40	0	0	3	0		
NE LINCOLN	75	49	89	34	62	-2	0.02	-0.89	0.02	5.57	71	6.50	72	-	-	0	0	1	0		
NE NORFOLK	69	47	82	30	58	-4	1.36	0.48	1.36	4.97	72	5.95	73	81	44	0	1	1	1		
NE NORTH PLATTE	71	47	78	36	59	-1	0.13	-0.68	0.06	0.37	6	1.04	16	87	44	0	0	3	0		
NE OMAHA	74	50	90	40	62	-2	0.05	-1.02	0.05	4.59	56	5.75	59	74	38	1	0	1	0		
NE SCOTTSBLUFF	71	47	81	32	59	1	4.12	3.46	1.89	8.22	172	8.84	155	-	-	0	1	4	3		
NE VALENTINE	69	45	75	32	57	-3	0.29	-0.45	0.29	4.11	80	4.62	80	87	44	0	1	1	0		
NV ELY	71	39	78	33	55	3	0.53	0.27	0.31	1.78	62	3.67	87	84	29	0	0	3	0		
NV LAS VEGAS	91	71	99	66	81	5	0.00	-0.06	0.00	0.04	5	0.24	13	31	14	4	0	0	0		
NV RENO	75	45	86	37	60	2	0.01	-0.16	0.01	0.35	22	4.37	118	71	20	0	0	1	0		
NH WINNEMUCCA	76	44	84	40	60	3	0.18	-0.01	0.15	1.50	66	3.16	87	63	20	0	0	2	0		
NH CONCORD	63	41	70	37	52	-5	0.92	0.20	0.83	8.58	106	14.01	107	-	-	0	0	3	1		
NJ NEWARK	72	50	86	46	61	-4	0.27	-0.66	0.18	10.25	94	15.99	91	-	-	0	0	3	0		
NM ALBUQUERQUE	74	53	84	49	63	-2	0.41	0.30	0.17	2.18	147	2.85	120	76	33	0	0	4	0		
NY ALBANY	63	44	74	34	53	-6	0.80	0.01	0.80	8.19	96	10.56	80	82	46	0	0	1	1		
NY BINGHAMTON	61	40	71	34	51	-7	1.28	0.51	1.28	7.99	94	10.87	82	87	52	0	0	1	1		
NY BUFFALO	59	41	68	34	50	-8	1.12	0.40	1.05	9.10	114	16.31	126	82	44	0	0	2	1		
NY ROCHESTER	60	39	71	32	49	-9	0.80	0.16	0.80	6.95	99	11.48	103	-	-	0	1	1	1		
NY SYRACUSE	60	42	71	34	51	-7	0.95	0.21	0.94	7.20	84	10.63	81	81	44	0	0	2	1		
NC ASHEVILLE	77	48	83	42	62	-2	0.08	-1.09	0.06	11.45	86	21.10	97	-	-	0	0	2	0		
NC CHARLOTTE	83	59	88	53	71	2	0.02	-0.88	0.01	8.87	88	16.23	92	68	37	0	0	2	0		
NC GREENSBORO	79	53	87	48	66	-1	0.15	-0.79	0.15	12.69	132	18.47	115	75	38	0	0	1	0		
NC HATTERAS	73	61	77	54	67	-1	0.19	-0.72	0.19	11.14	102	18.63	91	83	60	0	0	1	0		
NC RALEIGH	82	52	90	46	67	-1	0.08	-0.84	0.09	9.81	105	15.76	95	81	35	1	0	1	0		
NC WILMINGTON	82	60	86	53	71	1	0.30	-0.65	0.28	7.00	67	13.85	71	-	-	0	0	2	0		
ND BISMARCK	66	41	78	28	53	-4	0.01	-0.50	0.01	4.53	111	5.95	119	88	42	0	1	1	0		
ND DICKINSON	62	40	72	31	51	-5	0.40	-0.21	0.32	4.71	105	5.69	109	-	-	0	2	2	0		
ND FARGO	63	42	76	35	52	-6	1.89	1.32	0.97	7.43	157	8.06	137	85	47	0	0	3	2		
ND GRAND FORKS	61	41	72	32	51	-6	1.17	0.66	1.09	4.44	117	5.33	107	-	-	0	1	3	1		
ND JAMESTOWN	64	43	75	34	54	-4	0.15	-0.29	0.15	3.50	93	4.58	94	-	-	0	0	1	0		
ND WILLISTON	62	37	72	23	49	-8	0.05	-0.42	0.04	1.39	40	1.83	41	86	38	0	2	2	0		
OH AKRON-CANTON	68	42	81	37	55	-6	0.86	0.01	0.69	7.17	76	10.18	74	84	40	0	0	4	1		
OH CINCINNATI	74	49	84	40	62	-3	0.23	-0.75	0.15	10.85	96	15.38	93	71	39	0	0	2	0		
OH CLEVELAND	67	44	78	37	55	-5	0.59	-0.21	0.37	7.56	87	12.26	95	89	50	0	0	2	0		
OH COLUMBUS	73	47	84	39	60	-3	0.16	-0.75	0.08	7.91	83	11.53	83	74	35	0	0	2	0		
OH DAYTON	71	47	81	40	59	-4	0.26	-0.82	0.25	8.50	86	12.59	89	77	41	0	0	2	0		
OH MANSFIELD	68	41	80	37	54	-6	1.45	0.46	0.97	9.69	94	13.62	95	-	-	0	0	3	1		

Based on 1961-90 normals

Weather Data for the Week Ending May 24, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	82 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	68	42	76	40	55	-5	0.80	0.13	0.37	6.91	88	13.53	120	79	42	0	0	3	0	0	0
OK YOUNGSTOWN	66	40	77	33	53	-6	1.58	0.77	0.96	7.89	89	9.27	71	85	48	0	0	3	2	0	0
OK OKLAHOMA CITY	78	60	88	55	69	-1	0.66	-0.58	0.66	7.20	76	9.81	81	90	58	0	0	1	1	1	1
OR TULSA	79	58	90	49	69	-2	0.06	-1.24	0.06	6.93	90	10.59	71	84	46	1	0	0	1	0	0
OR ASTORIA	64	46	79	42	55	2	0.45	-0.19	0.35	23.44	106	39.58	125	90	44	0	0	3	0	0	0
OR BURNS	66	37	78	31	52	0	0.32	0.10	0.24	2.20	92	5.02	121	83	31	0	1	2	0	0	0
OR EUGENE	70	41	81	35	56	-1	0.65	0.19	0.39	11.19	108	19.18	80	95	46	0	0	3	0	0	0
OR MEDFORD	77	48	91	44	63	4	0.83	0.61	0.66	3.78	99	8.31	99	84	25	1	0	3	1	0	0
OR PENDLETON	70	44	82	39	57	-2	0.00	-0.22	0.00	2.36	78	3.78	66	77	32	0	0	0	0	0	0
OR PORTLAND	70	49	82	48	60	2	1.09	0.63	0.98	12.27	162	21.05	126	86	40	0	0	2	1	0	0
OR SALEM	70	44	82	41	57	1	0.27	-0.14	0.14	11.24	139	22.38	121	-	-	0	0	2	0	0	0
PA ALLENTOWN	70	44	84	37	57	-5	0.48	-0.48	0.28	7.28	72	11.26	70	74	35	0	0	3	0	0	0
PA ERIE	60	42	74	38	51	-8	1.37	0.58	0.69	11.78	133	17.08	128	88	61	0	0	5	2	0	0
PA MIDDLETOWN	75	50	90	47	62	-1	0.38	-0.61	0.21	5.40	55	8.87	57	-	-	1	0	3	0	0	0
PA PHILADELPHIA	72	50	87	46	61	-4	0.13	-0.72	0.06	8.93	89	14.40	90	68	37	0	0	3	0	0	0
PA PITTSBURGH	70	43	82	35	56	-5	2.15	1.32	1.03	8.68	93	11.75	83	86	39	0	0	3	2	0	0
PA SCRANTON	66	44	80	35	55	-5	0.77	-0.08	0.58	6.15	74	8.75	70	78	42	0	0	4	1	0	0
PA WILLIAMSPORT	69	43	83	33	56	-5	0.61	-0.29	0.47	5.86	63	8.48	58	89	37	0	0	2	0	0	0
RI PROVIDENCE	65	46	69	43	56	-3	0.67	-0.16	0.61	9.90	89	16.00	86	73	41	0	0	3	1	0	0
SC BEAUFORT	83	65	88	59	74	0	0.13	-0.83	0.09	10.39	106	14.80	88	-	-	0	0	2	0	0	0
SC CHARLESTON	84	63	88	58	73	-1	0.00	-0.98	0.00	10.33	104	15.22	92	82	43	0	0	0	0	0	0
SC COLUMBIA	86	58	91	51	72	0	0.04	-0.82	0.04	6.50	60	15.63	80	83	36	2	0	1	0	0	0
SC GREENVILLE	82	57	88	51	69	0	0.00	-1.03	0.00	8.19	65	19.06	90	82	37	0	0	0	0	0	0
SD ABERDEEN	63	45	75	32	54	-5	0.59	-0.08	0.32	3.35	66	5.57	89	82	50	0	1	5	0	0	0
SD HURON	67	48	78	35	57	-2	0.07	-0.61	0.05	3.89	66	5.23	75	79	47	0	0	3	0	0	0
SD RAPID CITY	65	44	77	32	55	-2	0.61	-0.02	0.52	7.27	147	8.13	139	87	58	0	1	4	1	0	0
SD SIOUX FALLS	66	45	76	33	56	-4	0.58	-0.14	0.38	5.94	82	7.71	101	81	46	0	0	3	0	0	0
TN BRISTOL	77	46	85	36	61	-4	0.32	-0.56	0.20	10.91	109	18.98	114	-	-	0	0	2	0	0	0
TN CHATTANOOGA	79	56	87	52	68	-1	0.11	-0.87	0.10	11.89	86	23.26	99	84	41	0	0	2	0	0	0
TN KNOXVILLE	78	55	87	47	66	0	2.14	1.20	1.34	14.36	120	24.44	121	83	46	0	0	2	2	0	0
TN MEMPHIS	80	61	88	52	71	-2	1.72	0.63	1.00	22.45	151	34.45	150	-	-	0	0	2	2	0	0
TN NASHVILLE	78	58	87	47	68	-1	1.40	0.30	1.40	13.83	106	20.92	102	81	49	0	0	1	1	0	0
TX ABILENE	77	60	87	55	69	-5	0.03	-0.67	0.01	5.06	92	8.64	112	96	67	0	0	3	0	0	0
TX AMARILLO	75	64	90	47	65	-2	0.41	-0.22	0.13	7.65	206	8.76	181	91	52	1	0	5	0	0	0
TX AUSTIN	79	66	86	63	73	-4	2.48	1.35	1.38	12.62	156	17.58	147	96	66	0	0	4	2	0	0
TX BEAUMONT	84	69	87	67	77	0	0.60	-0.75	0.43	10.45	94	21.07	109	-	-	0	0	3	0	0	0
TX BROWNSVILLE	86	72	87	69	79	-2	0.25	-0.45	0.13	12.72	284	13.75	198	97	67	0	0	3	0	0	0
TX CORPUS CHRISTI	83	71	87	68	77	-2	0.64	-0.16	0.28	14.23	275	15.61	177	98	68	0	0	4	0	0	0
TX DEL RIO	84	66	90	62	75	-4	2.49	2.02	2.02	9.84	231	12.08	209	94	60	1	0	5	1	0	0
TX EL PASO	86	61	91	55	73	0	0.45	0.39	0.30	1.60	229	2.31	152	82	30	2	0	3	0	0	0
TX FORT WORTH	77	64	85	60	71	-2	1.87	0.65	1.56	12.49	115	20.17	133	97	76	0	0	3	1	0	0
TX GALVESTON	82	73	84	68	77	1	1.31	0.45	1.25	19.69	209	26.66	208	-	-	0	0	3	1	0	0
TX HOUSTON	83	66	89	65	74	-1	4.82	3.38	2.41	21.09	209	29.75	182	98	69	0	0	6	4	0	0
TX LUBBOCK	78	57	92	50	68	-3	0.51	-0.07	0.36	8.41	236	9.99	216	92	50	1	0	4	0	0	0
TX MIDLAND	84	59	94	53	71	-3	0.33	-0.19	0.31	2.99	102	4.88	123	93	41	2	0	2	0	0	0
TX SAN ANGELO	80	60	87	55	70	-5	0.14	-0.58	0.14	7.09	145	11.98	177	96	57	0	0	1	0	0	0
TX SAN ANTONIO	82	68	86	65	75	-2	1.64	0.84	0.67	10.95	151	13.67	127	93	63	0	0	6	1	0	0
TX VICTORIA	82	66	86	67	75	-3	3.20	2.12	1.14	31.52	431	36.95	321	99	66	0	0	5	3	0	0
TX WACO	79	66	87	63	72	-3	0.74	-0.32	0.63	12.51	138	22.63	178	97	73	0	0	3	1	0	0
TX WICHITA FALLS	76	61	88	58	68	-4	1.57	0.63	1.28	7.21	87	10.42	96	96	61	0	0	4	1	0	0
UT SALT LAKE CITY	77	53	83	47	65	5	1.11	0.73	1.03	4.42	81	8.32	106	72	29	0	0	3	1	0	0
VT BURLINGTON	59	45	68	42	52	-6	0.25	-0.47	0.10	6.24	85	9.11	84	82	44	0	0	4	0	0	0
VA LYNCHBURG	79	46	89	36	63	-3	0.03	-0.88	0.03	8.82	92	15.49	100	84	32	0	0	1	0	0	0
VA NORFOLK	79	57	92	51	68	1	0.01	-0.87	0.01	6.52	67	11.41	67	83	40	1	0	1	0	0	0
VA RICHMOND	81	53	94	44	67	0	0.00	-0.88	0.00	7.75	81	13.39	84	76	28	2	0	0	0	0	0
VA ROANOKE	79	50	89	42	65	-1	0.16	-0.75	0.14	6.56	67	12.11	78	70	32	0	0	2	0	0	0
VA WASH/DULLES	77	46	92	39	61	-3	0.05	-0.89	0.05	7.55	81	11.22	76	74	29	1	0	1	0	0	0
WA HANFORD	76	49	89	43	63	-3	0.04	-0.08	0.02	1.07	85	2.83	106	69	23	0	0	2	0	0	0
WA OLYMPIA	66	42	76	38	54	0	0.42	-0.02	0.25	17.77	179	31.74	134	-	-	0	0	4	0	0	0
WA QUILLAYUTE	64	40	78	37	52	1	0.01	-1.14	0.01	34.15	146	60.88	121	95	41	0	0	1	0	0	0
WA SEATTLE-TACOMA	65	48	71	45	56	0	0.23	-0.14	0.15	13.51	188	22.52	136	92	42	0	0	3	0	0	0
WA SPOKANE	66	41	73	35	54	-2	0.41	0.08	0.39	5.63	149	8.70	120	79	30	0					

## National Agricultural Summary

May 19 - 25, 1997

### HIGHLIGHTS

The seventh consecutive week of below-normal temperatures in the eastern half of the United States continued to slow crop emergence and development. Farmers in the northern Plains planted spring crops at a very rapid pace despite the chilly weather. Light frosts in the Corn Belt and northern Plains caused little damage to planted crops. Crusting, drying soils and the potential for weeds due to slowly emerging crops

also concerned farmers. High temperatures for the fifth straight week in the Southwest provided favorable growing conditions. Scattered storms brought beneficial moisture to crops in the High Plains and Corn Belt. In the Southeast, soils dried even though late-week showers fell in isolated areas. Farmers were kept out of fields along the western Gulf Coast where rains fell on already saturated soils.

**Winter wheat:** Scattered beneficial rains in the central and northern High Plains provided relief to dry winter wheat fields, especially in Montana. Nonetheless, winter wheat condition continued to decline in Nebraska and recovered only slightly in Colorado, Kansas, and South Dakota. Wheat fields in eastern Washington started to show some stress due to lack of moisture and strong winds. Overall, condition of the winter wheat crop changed little from last week and rated mostly fair to good. Sixty-six percent of the wheat crop was headed, compared with 64 percent (%) at this time last year and the 5-year average of 67%. Harvest in Georgia and Texas continued.

**Corn:** Corn planting progressed to 95% complete, well ahead of the 76% planted in 1996 and the average of 81%. Although planting progress was ahead of normal, emergence advanced at or behind the normal pace from the Corn Belt to New England. A dry week created soil crusting problems in Iowa. Illinois farmers used rotary hoes on crusting soils to help aid emergence. Many Indiana corn growers replanted corn because of poor emergence. Limited replanting occurred elsewhere.

**Soybeans:** Soybean planting progress remained well ahead of average as Iowa, Nebraska, and South Dakota farmers planted one-third or more of their States' acreage. Nationwide, 70% of the crop was in the ground, compared with 32% in 1996 and the average of 45%. Michigan and North Carolina were the only major soybean-producing States planting behind their average pace. Like corn, below-normal temperatures and crusting soils slowed soybean emergence in the Corn Belt.

**Cotton:** Cotton planting advanced to 77% complete, 2 percentage points ahead of 1996, but equal to the average. Planting was active in the Texas plains. Rain hindered cotton planting in Louisiana. Arkansas growers replanted some fields. Warm weather encouraged rapid growth in California. Cool weather slowed emergence in Texas. However, growing conditions improved as warm, dry weather moved into the State

later in the week. Arizona was the only major cotton-producing State with a significant amount of their acreage squaring.

**Rice:** With 96% of the crop in the ground, rice planting neared an end. Seventy-nine percent of the crop was emerged by week's end, compared with 75% last year and the average of 72%. Condition of the rice crop improved slightly and rated mostly good to fair. Water weevils were becoming a serious problem for Louisiana rice farmers. Irrigation and flushing continued in Arkansas, where the condition improved.

**Other Small Grains:** Small grain planting progress in North Dakota and South Dakota neared or surpassed the normal pace. Planting in Minnesota, however, continued to lag behind normal. Nationwide, 83% of the spring wheat crop was planted, well ahead of the 65% planted a year ago and equal to the average. Just under half of the crop was emerged by week's end. Some areas of Montana needed additional moisture to assist emergence. Condition of the spring wheat crop rated mostly good. Eighty-three percent of the barley crop was planted, also well ahead of 1996 and just 1 point behind the average. Like spring wheat, emergence of the Nation's barley crop remained behind normal, while the condition rated mostly good. Oat planting progressed to 93% complete, ahead of both the 80% planted in 1996 and the average of 89%. Emergence neared the normal pace nationwide, but remained significantly behind normal in Minnesota, North Dakota, and South Dakota. The condition of the oat crop rated mostly good to fair.

**Other Crops:** In the 12 major sorghum-producing States, sorghum planting advanced to 52% complete, ahead of both last year and the average. Planting advanced at a rapid pace in Illinois, Kansas, and Nebraska. Sorghum planting continued in Texas, where early-planted fields made good progress. The peanut crop rated mostly good with 74% of the crop planted, compared with 78% in 1996 and the average of 73%. Hot, dry weather decreased soil moisture levels in Georgia, where peanut planting was progressing 1% behind the average pace.

# Crop Progress and Condition

Week Ending May 25, 1997

Winter Wheat Percent Headed				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	99
CA	99	99	99	99
CO	42	9	27	36
GA	100	100	100	100
ID	6	1	1	5
IL	74	37	53	70
IN	48	30	46	50
KS	90	56	86	86
MI	0	0	0	0
MO	71	50	70	74
MT	0	0	0	1
NE	14	1	13	33
NC	100	100	99	96
OH	2	1	18	22
OK	98	95	100	99
OR	38	19	39	42
SD	0	0	0	7
TX	92	80	96	92
WA	25	5	17	28
ALL	66	49	64	67

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

Soybeans Percent Planted				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AL	44	22	44	42
AR	44	25	42	30
GA	39	20	32	33
IL	89	67	24	44
IN	81	54	14	48
IA	87	53	52	58
KS	64	35	39	29
KY	30	16	12	21
LA	63	52	71	55
MI	30	13	14	42
MN	82	57	32	58
MS	76	62	83	52
MO	58	32	24	29
NE	75	42	39	47
NC	27	21	34	36
OH	69	55	12	55
SC	24	19	22	24
SD	52	14	27	39
TN	24	11	25	21
ALL	70	46	32	45

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

Corn Percent Planted				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
CO	99	95	97	87
GA	99	98	99	100
IL	99	95	74	78
IN	97	86	41	73
IA	99	94	94	87
KS	99	90	99	87
KY	89	74	74	82
MI	78	62	40	72
MN	97	92	77	85
MO	96	94	89	71
NE	98	94	93	88
NC	100	98	99	98
OH	95	90	35	78
PA	75	60	56	66
SD	82	59	64	68
TX	98	93	98	99
WI	90	78	61	75
ALL	95	88	76	81

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

Spring Wheat Percent Planted				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
ID	98	90	93	95
MN	66	43	44	80
MT	91	78	86	92
ND	79	49	55	77
SD	96	76	86	91
ALL	83	59	65	83

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

Rice Percent Planted				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AR	96	90	95	90
CA	98	90	66	70
LA	97	96	98	96
MS	96	93	100	92
TX	91	86	98	94
ALL	96	91	91	88

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

Barley Percent Planted				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
ID	93	82	88	94
MN	66	38	33	76
MT	92	84	89	90
ND	77	39	60	78
SD	94	56	86	90
WA	99	94	92	97
ALL	83	59	71	84

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

Spring Wheat Percent Emerged				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
ID	82	70	84	85
MN	34	15	28	62
MT	60	45	55	69
ND	38	10	24	54
SD	65	37	71	80
ALL	47	24	39	63

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

Rice Percent Emerged				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AR	77	57	81	77
CA	65	50	27	30
LA	91	82	91	91
MS	89	80	97	84
TX	81	59	87	81
ALL	79	63	75	72

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

Barley Percent Emerged				
	May 25 1997	Prev Week	Prev Year	5-Yr Avg
ID	71	52	76	80
MN	28	9	21	59
MT	55	35	53	65
ND	33	6	21	54
SD	61	21	57	74
WA	91	77	74	88
ALL	47	24	40	63

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

# Crop Progress and Condition

Week Ending May 25, 1997

## Sorghum Percent Planted

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AR	95	89	93	85
CO	11	8	39	20
IL	45	19	5	22
KS	40	20	37	24
LA	81	75	96	87
MS	96	94	93	83
MO	60	43	45	44
NE	68	27	34	37
NM	27	12	9	22
OK	9	8	40	33
SD	17	5	8	21
TX	67	60	70	76
ALL	52	36	48	46

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

## Oats Percent Planted

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	97
MI	90	89	83	93
MN	89	83	91	94
NE	100	100	100	100
ND	83	47	51	75
OH	100	99	77	95
PA	98	95	86	92
SD	93	69	88	91
WI	100	96	75	90
ALL	93	80	80	89

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

## Oats Percent Emerged

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
IA	95	92	95	91
MI	75	57	47	67
MN	71	53	74	82
NE	99	91	100	NA
ND	35	5	19	52
OH	93	92	62	87
PA	84	72	68	NA
SD	55	22	65	77
WI	93	62	53	NA
ALL	71	49	60	73

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

## Peanuts Percent Planted

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AL	97	85	92	88
FL	87	75	89	NA
GA	91	83	92	92
NC	72	31	84	87
OK	57	32	54	42
SC	97	84	94	87
TX	26	18	43	26
VA	90	75	84	93
ALL	74	61	78	73

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

## Cotton Percent Planted

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AL	92	83	92	90
AZ	100	97	99	99
AR	98	86	96	90
CA	100	99	99	99
GA	85	71	85	86
LA	98	90	100	98
MS	99	89	99	93
MO	98	85	89	90
NM	95	83	87	88
NC	83	65	95	93
OK	27	22	29	39
SC	93	81	94	92
TN	98	90	93	90
TX	54	38	48	55
ALL	77	65	75	77

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

## Cotton Percent Squaring

	May 25 1997	Prev Week	Prev Year	5-Yr Avg
AL	0	NA	NA	NA
AZ	32	NA	NA	NA
AR	0	NA	NA	NA
CA	1	NA	NA	NA
GA	1	NA	NA	NA
LA	0	NA	NA	NA
MS	0	NA	NA	NA
MO	0	NA	NA	NA
NM	0	NA	NA	NA
NC	0	NA	NA	NA
OK	0	NA	NA	NA
SC	7	NA	NA	NA
TN	0	NA	NA	NA
TX	4	NA	NA	NA
ALL	3	NA	NA	NA

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

## Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	2	20	47	27	4
CA	0	0	15	60	25
CO	6	14	36	35	9
GA	0	7	36	53	4
ID	0	4	18	56	22
IL	2	3	19	65	11
IN	1	3	25	58	13
KS	3	11	33	45	8
MI	2	11	40	37	10
MO	1	11	27	50	11
MT	2	15	33	48	2
NE	2	18	49	29	2
NC	1	5	26	65	3
OH	3	10	30	47	10
OK	11	16	36	36	1
OR	0	5	20	50	25
SD	18	16	28	34	4
TX	3	15	40	35	7
WA	0	9	23	43	25
ALL	4	12	33	43	8
Prev Wk	5	12	33	40	10
Prev Yr	21	24	26	23	6

## Oats Crop Condition by Percent

	VP	P	F	G	EX
IA	0	2	29	59	10
MI	0	8	54	36	2
MN	5	5	31	52	7
NE	0	10	36	52	2
ND	0	1	32	65	2
OH	4	6	24	53	13
PA	0	12	30	52	6
SD	1	3	32	57	7
WI	0	2	25	62	11
ALL	1	4	31	57	7
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

## Barley Crop Condition by Percent

	VP	P	F	G	EX
ID	0	0	4	74	22
MN	25	3	24	44	4
MT	0	3	42	53	2
ND	0	1	12	78	9
SD	0	1	30	64	5
WA	0	4	32	50	14
ALL	2	2	21	66	9
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

# Crop Progress and Condition

Week Ending May 25, 1997

**Peanuts Crop Condition by Percent**

	VP	P	F	G	EX
AL	0	5	30	60	5
FL	0	0	32	67	1
GA	1	3	31	58	7
NC	0	12	13	60	15
OK	0	14	42	44	0
SC	0	0	17	79	4
TX	0	4	25	56	15
VA	0	4	30	66	0
ALL	0	5	29	58	8
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

**Spring Wheat Crop Condition by Percent**

	VP	P	F	G	EX
ID	0	2	5	77	16
MN	23	4	24	45	4
MT	1	6	42	50	1
ND	0	1	19	71	9
SD	0	2	24	64	10
ALL	3	3	25	62	7
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

**Rice Crop Condition by Percent**

	VP	P	F	G	EX
AR	2	11	38	38	11
CA	0	0	5	65	30
LA	0	8	51	38	3
MS	0	0	32	67	1
TX	0	0	26	46	28
ALL	1	6	33	46	14
Prev Wk	0	7	36	50	7
Prev Yr	0	3	26	59	12

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

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

**Pasture and Range Crop Condition by Percent**  
 Week Ending May 25, 1997

	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	4	34	56	5	NH	0	16	37	47	0
AZ	8	15	34	32	11	NJ	0	0	10	90	0
AR	0	9	42	44	5	NM	0	2	33	54	11
CA	0	10	50	40	0	NY	0	17	31	52	0
CO	6	10	29	47	8	NC	1	5	27	59	8
CT	0	0	18	82	0	ND	6	20	32	35	7
DE	0	2	8	89	1	OH	1	7	31	52	9
FL	5	5	35	50	5	OK	0	2	20	71	7
GA	1	6	35	54	4	OR	0	0	21	67	12
ID	0	1	23	55	21	PA	4	15	50	30	1
IL	1	5	33	56	5	RI	0	0	0	0	100
IN	2	8	29	53	8	SC	2	7	31	52	8
IA	0	14	34	45	7	SD	1	5	29	57	8
KS	0	5	26	61	8	TN	1	8	31	49	11
KY	3	15	42	34	6	TX	1	7	32	41	19
LA	0	3	30	59	8	UT	0	2	17	70	11
ME	26	5	36	23	10	VT	0	18	55	27	0
MD	1	6	22	60	11	VA	1	20	50	28	1
MA	0	21	28	43	8	WA	0	4	40	50	6
MI	6	24	47	17	6	WV	0	10	44	42	4
MN	7	27	40	24	2	WI	3	18	40	36	3
MS	1	4	23	58	14	WY	0	3	37	47	13
MO	2	13	41	41	3	ALL	2	10	34	46	8
MT	2	20	40	35	3						
NE	3	14	37	45	1	Prev Wk	1	10	35	46	8
NV	0	0	7	82	11	Prev Yr	7	14	30	40	9

## State Agricultural Summaries

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

**ALABAMA:** Days suitable for fieldwork 5.4. Topsoil 5% very short, 36% short, 58% adequate, 1% surplus. Corn silked 3%, 7% 1996, 5% avg.; 1% very poor, 6% poor, 35% fair, 54% good, 4% excellent. Wheat harvested 17%, 13% 1996, 12% avg.; 2% very poor, 6% poor, 26% fair, 54% good, 12% excellent. Livestock 1% poor, 19% fair, 70% good, 10% excellent. Rains provided relief in most areas. Dry pockets remain.

**ARIZONA:** Cotton planting completed, development progress near last year's pace. Small grains 68% mature, 20% harvested; 88%, 20% 1996; 36%, 24% avg.; 10% fair, 54% good, 36% excellent. Alfalfa harvest activity 0% light, 25% moderate, 65% active, 10% not being harvested; 14% fair, 38% good, 48% excellent. Potato, dry onion harvest continued very active in the central area. Central area growers also shipped cabbage, carrots, mixed greens, kale, parsley. Western growers cut a light volume of watermelons. Other melons being shipped from the western area included cantaloupe, specialty melons. Iceberg lettuce was shipped from the eastern area. Grape harvest underway in the western production area. Valencia orange, grapefruit harvest continued steady. Peach harvest complete.

**ARKANSAS:** Cooler than normal and below normal precipitation. Main farming activities: Harvest of cool season forages for hay; yields less than expected in Van Buren county. Spraying weeds (thistles) in pastures. Seedbed preparation for warm-season pasture. Bermuda grass fertilization ongoing. Replanting some cotton, treating other cotton for cutworm. Planting soybeans, rice irrigation, flushing continuing. Wheat drying down, some lodging, some treated for armyworms. Aphid populations increasing on tomato crops. Treating livestock for horn flies.

**CALIFORNIA:** Sunny skies and slightly cooler temperatures were perfect for field crop activities. Winter wheat condition ranged from fair to excellent statewide. Harvest of wheat, barley for grain continued in the central, southern portions of the State. Stubble fields were being prepared, planted for second cropping. Rice planting was nearly complete, pesticides were being applied. Warm weather encouraged rapid growth in cotton, cotton growers continued cultivating, irrigating, weeding, treating emerged fields for aphids, mites. Corn, safflower, new crop sugar beets, sunflowers continued growing rapidly. Garbanzo beans, safflower were drying for harvest in the San Joaquin Valley. Dry bean planting was nearly complete. Some land was irrigated before planting. Sugar beet harvest continued in the San Joaquin, Imperial valleys. Seed alfalfa fields were treated for lygus, before bees were brought in for pollination. Alfalfa, oats, sudan grass, other grain forage were cut for hay or green chopped. Cherry harvest was peaking in the northern San Joaquin Valley when hit by rains late in the week. Quality was not substantially affected, crop loss was minimal. Cherry harvest was completed in the central San Joaquin Valley. Apricots were not significantly affected by late week rains. Grape growers continued the cultural practices of suckering, plowing, irrigating, controlling worms, mildew. Some stone fruit was thinned to increase fruit size. Heavy almond set was causing some tree branches to break. Pecan bloom was over. Valencia orange harvest continued. Some lemons were harvested. Olive, avocado fruit set looked very good; bloom was completed. Warm weather has stimulated the growth of summer vegetables. Lettuce harvest continued in the Salinas-Watsonville area. Harvest of broccoli, cauliflower in the central coastal counties was on schedule. Sweet corn, cantaloupes, watermelons were harvested in Imperial Valley. Watermelons were sprayed for aphids in the Sacramento Valley. Sweet potatoes were planted in the San Joaquin Valley. Tomatoes continued to bloom, set fruit in central, southern

counties. Sweet corn, tomatoes were treated for worms in the San Joaquin Valley. Onions, peppers were harvested in southern areas. Potatoes, carrots were harvested in Kern County. Garlic was harvested. Peas were harvested in Stanislaus, Merced counties. Picking of cucumbers progressed in Tulare County. Rangeland conditions were fair over most of the State, with conditions slightly better at the upper elevations, in the north. Danger of range fire increased in the foothills due to the very dry condition of rangeland forage. Range cattle were being moved to higher elevations or to permanent pasture. Cattle shipments were active with stockers, feeders, culls being moved to market. Bees were active in melon fields.

**COLORADO:** Days suitable for fieldwork 5.0. Topsoil 29% very short, 29% short, 38% adequate, 4% surplus. Subsoil 15% very short, 31% short, 48% adequate, 6% surplus. Spring barley 100% planted, 100% 1996, 95% avg.; 95% emerged, 97% 1996, 83% avg.; 1% very poor, 3% poor, 17% fair, 66% good, 13% excellent. Oats 96% seeded, 99% 1996, 87% avg.; 93% emerged, 92% 1996, 74% avg.; 1% very poor, 2% poor, 15% fair, 57% good, 25% excellent. Corn 76% emerged, 68% 1996, 45% avg. Spring wheat 95% planted, 99% 1996, 86% avg.; 73% emerged, 92% 1996, 66% avg.; 5% very poor, 9% poor, 18% fair, 50% good, 18% excellent. Summer potatoes 57% emerged, 65% 1996, 54% avg.; 7% poor, 33% fair, 45% good, 15% excellent. Dry onion 3% very poor, 8% poor, 22% fair, 58% good, 9% excellent. Sugar beets 2% very poor, 3% poor, 26% fair, 66% good, 3% excellent. Fall potatoes 95% planted, 92% 1996, 87% avg. Dry beans 11% planted, 27% 1996, 10% avg. Alfalfa 9% 1st cutting, 7% 1996, 4% avg. Winter wheat 95% jointed, 95% 1996, 89% avg. Livestock mostly in good to fair.

**DELAWARE:** Days suitable for fieldwork 5.6. Topsoil 17% short, 83% adequate. Subsoil 2% short, 98% adequate. Winter wheat 14% fair, 77% good, 9% excellent; 65% headed, 84% 1996, 79% avg. Barley 2% poor, 16% fair, 77% good, 5% excellent; 99% headed, 100% 1996, 99% avg.; 24% turned, 17% 1996, 26% avg. Corn 65% planted, 78% 1996, 87% avg. Soybeans 14% planted, 7% 1996, 13% avg. Tomatoes 16% planted, 26% 1996, 51% avg. Watermelons 24% planted, 45% 1996, 58% avg. Cantaloupes 31% planted, 43% 1996, 55% avg. Sweet corn 48% planted, 59% 1996, 75% avg. Apples 97% bloomed, 76% 1996, 95% avg. Strawberries 81% bloomed, 99% 1996, 97% avg. Hay supplies 20% short, 80% adequate. Clover and other hays 44% 1st cutting harvested, 27% 1996, 37% avg. Alfalfa 43% 1st cutting harvested, 24% 1996, 29% avg. Activities: Harvesting hay, heavy rain 25th.

**FLORIDA:** Topsoil moisture was short to adequate throughout the State. Peanut planting was 87% complete. Cotton planting was winding down. Cotton emergence increased with wet weather and warmer nights. Soybean planting was active. Sugarcane growth was normal. Corn, forages, and tobacco were showing signs of nutrient deficiencies due to heavy rainfall in late April to early May. Haying was active. Peanut condition was fair 32%, good 67%, and excellent 1%. Vegetable harvesting was nearing completion in some southern Peninsula localities as activity increased in northern areas. Major vegetables shipped were sweet corn, watermelons, tomatoes, peppers, and potatoes. Citrus groves were in good condition. Rain was needed, and most interior caretakers were irrigating. New crop fruit was making normal progress. Valencias remaining for harvest were of excellent quality. Grapefruit movement was still active, by slowing as supplies were running low. Honey tangerine harvest was nearly over. Caretakers were cutting cover crops, spraying, and herbiciding. Pasture feed was very poor 5%, poor 5%, fair 35%, good 50%, and excellent

5%. Condition of cattle herds was poor 5%, fair 40%, good 50%, and excellent 5%. Panhandle pastures were generally good, with local areas dry and pastures overgrazed. In the northern counties, pasture growth was slow due to cool weather and short to adequate moisture. In the southwest, pastures showed good improvement over the past 2 to 3 weeks due to seasonal rains. Pastures were still a little short on grass. Cattle condition statewide was mostly fair to good.

**GEORGIA:** Days suitable for fieldwork 6.1. Soil moisture 9% very short, 45% short, 44% adequate, 2% surplus. Corn 4% poor, 29% fair, 59% good, 8% excellent; 14% silked, 1% 1996, 8% avg. Cotton 1% very poor, 9% poor, 36% fair, 48% good, 6% excellent. Hay 1% very poor, 5% poor, 33% fair, 57% good, 4% excellent. Peanuts 3% blooming, 5% 1996, 6% avg. Sorghum 4% poor, 33% fair, 61% good, 2% excellent; 48% planted, 69% 1996, 61% avg. Soybeans 4% poor, 34% fair, 59% good, 3% excellent. Tobacco 2% very poor, 8% poor, 47% fair, 40% good, 3% excellent. Wheat 22% harvested for grain, 3% 1996, 12% avg. Onions 1% very poor, 18% poor, 44% fair, 37% good; 96% harvested, 87% 1996, 91% avg. Watermelons 1% very poor, 3% poor, 33% fair, 57% good, 6% excellent; 96% planted, 100% 1996, 99% avg. Apples 1% poor, 10% fair, 83% good, 6% excellent. Peaches 5% fair, 52% good, 43% excellent; 17% harvested, 9% 1996, 16% avg. Hot, dry conditions, soil moisture levels decreased. Scattered showers brought relief some areas while others little to no rain. Corn planting nearly complete, small percentage in silk stage. Cotton planting continues with condition ranging fair to good. Also planting of peanuts, sorghum, soybeans and watermelons. Wheat harvest active, onion harvest is wrapping up. Pastures look good. Other activities: Baling hay, topping, spraying tobacco, spraying pecan trees, cultivating cotton, peanuts.

**HAWAII:** Mostly sunny weather favored agriculture. Moderate, widespread showers on 22nd slowed farming; limited to harvesting in some areas. Clear weather followed. Most crops in good condition. Banana production steady most areas, field condition helped by weather. Overall papaya production steady, disease remained problem in some fields. Head cabbage production moderate to heavy, overall yields, crop conditions improved. Dry onion active in all areas, improved crop condition. Sweet corn production expected to continue increasing. Watermelon harvesting expected to remain moderate to heavy; crop condition good.

**IDAHO:** Days suitable for fieldwork 6.6. Warm, dry conditions have pushed planting progress above last year and the five-year average for most crops. Topsoil 7% surplus, 79% adequate, 14% short. Spring wheat jointed 22%, booting 8%. Barley jointed 20%, booting 7%. Winter wheat jointed 85%; booting 43%. Potatoes planted 90%, 91% 1996, 86% avg.; emerged 19%, 22% 1996, 24% avg. Sugar beets emerged 98%, 98% 1996, 92% avg. Corn planted 90%; 89% 1996; 82% avg.; emerged 66%, 54% 1996, 44% avg. Dry beans planted 31%, 22% 1996, 20% avg.; emerged 2%, 2% 1996, 2% avg. Dry peas planted 94%, 42% 1996, 78% avg.; emerged 41%, 34% 1996, 64% avg. Oats planted 86%, 81% 1996, 86% avg.; emerged 65%, 67% 1996, 70% avg. Lentils planted 91%, 32% 1996, 75% avg.; emerged 27%, 23% 1996, 58% avg. Alfalfa hay harvested (1st cutting) 6%, 4% 1996, 9% avg. Irrigation water supply 68% excellent, 30% good, 2% fair. Activities: Planting small grains, potatoes, dry beans, corn, dry peas, harvesting alfalfa, moving livestock to spring pasture, branding, fencing, cultivating, irrigating, weed control.

**ILLINOIS:** Days suitable for fieldwork 5.9. Topsoil 3% very short, 35% short, 60% adequate, 2% surplus. Farmers accomplished a significant amount of planting last week. May 25th 99% of the corn crop, 89% of the soybean crop had been planted. Light frosts in the extreme north were reported, little to no damage is expected. Cool temperatures are a continuing concern as crop emergence, growth is slow, 1st cutting of alfalfa is short. Dry soils are also beginning to concern farmers as the dryness, cool weather combined are preventing good growth of all crops. Farmers last week were hoeing corn, soybeans to help emergence, a

minor amount of replanting was reported where stands were poor. Other activities last week included cutting hay, spraying post emergence herbicides, side dressing nitrogen, scouting for wire worms, cutworms in corn. Wheat filled 15%, 6% 1996, 20% avg. Oats headed 9%, 12% 1996, 9% avg.; 27% fair, 61% good, 12% excellent. Alfalfa hay 1st cutting 16%, 7% 1996, 20% avg.; 5% poor, 33% fair, 55% good, 7% excellent. Red clover hay cutting 17%, 4% 1996, 12% avg.; 1% very poor, 2% poor, 23% fair, 64% good, 10% excellent.

**INDIANA:** Days suitable for fieldwork 5.4. Topsoil 4% very short, 22% short, 64% adequate, 10% surplus. Subsoil 1% very short, 11% short, 79% adequate, 9% surplus. Many farmers are replanting corn, soybeans because of poor emergence. Many areas experienced light frosts during the week; however, very little crop damage was reported. Range, pasture feed 2% very poor, 8% poor, 29% fair, 53% good, 8% excellent. Activities: corn planting, soybean planting, rotary hoeing, applying herbicide, field preparation, caring for livestock.

**IOWA:** Days suitable for fieldwork 6.1. Topsoil very short 1%, short 29%, adequate 68%, surplus 2%. Subsoil short 7%, adequate 87%, surplus 6%. A dry week created crusting problem for emerging crops, cold temperatures continue to slow crop, pasture growth. 1997 row crops primary seedbed preparation completed 98%, 100% 1996, 91% avg. Corn planting 23 days ahead of the five-year average, emergence is the same as 1996, about 3 days ahead of the average. Corn planted 99%, 94% 1996, 87% avg.; emerged 67%, 67% 1996, 60% avg. Soybean planting is 21 days ahead of the five-year average. Soybeans planted 87%, 52% 1996, 58% avg. Oats emerged 95%, 95% 1996, 91% avg. Pasture feed 14% poor, 34% fair, 45% good, 7% excellent. Oats 2% poor, 29% fair, 59% good, 10% excellent. Winter wheat 2% poor, 18% fair, 70% good, 10% excellent. Livestock experienced improved conditions, generally in good health. Pastures are still slow in developing, cow herds have been placed on pasture as good quality hay becomes scarce, more expensive.

**KANSAS:** Days suitable for fieldwork 5.0. Topsoil 6% very short, 30% short, 61% adequate, 3% surplus. Subsoil 3% very short, 14% short, 82% adequate, 1% surplus. Wheat turning 4%, 4% 1996, 9% avg. Alfalfa hay 1st cut 39%, 25% 1996, 35% avg. Reports of Russian aphids, greenbugs in wheat, cutworms in alfalfa fields. Disease reports of wheat streak mosaic, barley yellow dwarf, and leaf rust. Pasture feed 5% poor, 26% fair, 61% good, 8% excellent. Stock water supplies 1% very short, 5% short, 92% adequate, 2% surplus. Major field activities included planting corn, sorghum, soybeans sunflowers.

**KENTUCKY:** Days suitable for fieldwork 4.8. Warmer temperatures midweek, still below normal for seventh straight week. Rainfall late week, heavy in some areas. Topsoil 1% very short, 14% short, 76% adequate, 9% surplus. Subsoil 1% very short, 10% short, 78% adequate, 11% surplus. Field activities included planting corn, beans, tobacco, harvesting hay. Corn acreage planted 89%, 74% 1996, 82% avg.; emerged 65%, 79% 1996, 76% avg. Emerged corn 1% very poor, 11% poor, 34% fair, 46% good, 8% excellent. Soybean acreage planted 30%, 12% 1996, 21% avg. Burley tobacco acreage set 25%, 23% 1996, 29% avg. Dark tobacco 30% set, 25% 1996, 36% avg. Condition of set tobacco 1% very poor, 6% poor, 44% fair, 43% good, 6% excellent. Winter wheat 5% poor, 22% fair, 51% good, 22% excellent. Hay crops rated 3% very poor, 16% poor, 42% fair, 34% good 5% excellent. Hay 1st cutting short, light due to cool spring. Pasture feed 3% very poor, 15% poor, 42% fair, 34% good 6% excellent.

**LOUISIANA:** Days suitable for fieldwork 4.0. Soil moisture 6% short, 63% adequate, 31% surplus. Corn 4% poor, 33% fair, 56% good, 7% excellent; 5% silked, 6% 1996, 8% avg.; 0% dough, 0% 1996, 1% avg. Corn condition improved with extra moisture. Cotton 1% poor, 21% fair, 74% good, 4% excellent; 83% emerged, 96% 1996, 92% avg. Cotton planting was hindered by rains. Hay 51% 1st cutting, 50% 1996, 46% avg. Hay baling was halted by wet conditions. Peaches 4% harvested, 12% 1996, 6% avg. Peach harvest picked up with producers reporting

average yields. Rice water weevils were becoming a serious problem for rice farmers. Sorghum 2% poor, 23% fair, 71% good, 4% excellent; 73% emerged, 91% 1996, 78% avg. Soybeans 53% emerged, 57% 1996, 40% avg. Spring plowing 95% plowing, 100% 1996, 97% avg. Sugarcane 5% poor, 28% fair, 49% good, 18% excellent. Sweet potatoes 15% planted, 20% 1996, 22% avg. Wheat 1% very poor, 10% poor, 33% fair, 55% good, 1% excellent; 98% turning color, 97% 1996, 93% avg.; 16% harvested, 29% 1996, 36% avg. A few wheat fields sustained minor wind damage. Livestock 5% poor, 33% fair, 56% good, 6% excellent. Cattle condition improved as pasture condition improved. Vegetables 9% poor, 33% fair, 53% good, 5% excellent. Vegetable producers were harvesting cabbage.

**MARYLAND:** Days suitable for fieldwork 6.0. Topsoil 8% percent very short, 28% short, 58% adequate, 6% surplus. Subsoil moisture 2% very short, 15% short, 74% adequate, 9% surplus. Winter wheat 2% very poor, 4% poor, 24% fair, 55% good, 15% excellent; 83% headed, 79% 1996, 85% avg. Barley 3% very poor, 4% poor, 20% fair, 55% good, 18% excellent; 97% headed, 97% 1996, 98% avg.; 17% turned, 22% 1996, 31% avg. Field corn 86% planted, 72% 1996, 84% avg. Soybeans 24% planted, 9% 1996, 18% avg. Cantaloupe 82% planted, 79% 1996, 73% avg. Sweet corn 62% planted, 67% 1996, 66% avg. Watermelons 78% planted, 82% 1996, 70% avg. Tomatoes 85% planted, 84% 1996, 75% avg. Tobacco 27% transplanted, 17% 1996, 25% avg. Strawberries 92% bloomed, 92% 1996, 95% avg.; 35% harvested, 17% 1996, 15% avg. Hay supplies 8% very short, 19% short, 71% adequate, 2% surplus; Clover and other hays 33% 1st cutting harvested, 13% 1996, 22% avg. Activities: Harvesting hay, reports of much-needed rainfall throughout State, soybean planting starting.

**MICHIGAN:** Days suitable for fieldwork 5.0. Temperatures were still well below normal across the State. Frost continued to hit many regions of the state, in beginning of the week hindering crop development, planting. Sunny weather and low precipitation helped dry out some fields to till or plant. Topsoil 4% short, 74% adequate, 22% surplus. Subsoil 1% very short, 4% short, 77% adequate, 18% surplus. Potatoes planted 85% 1997, 59% 1996, 72% avg. Asparagus, harvested 33% 1997, 27% 1996, 38% avg.

**MINNESOTA:** Days suitable for fieldwork 5.8. Topsoil 7% very short, 30% short, 55% adequate, 8% surplus. Corn 99% ground prepared, 86% 1996, 90% avg.; 97% planted, 77% 1996, 85% avg.; 46% emerged, 36% 1996, 52% avg. Soybeans 92% ground prepared, 50% 1996, 70% avg.; 82% planted, 32% 1996, 58% avg.; 8% emerged, 9% 1996, 20% avg. Spring wheat 66% planted, 44% 1996, 80% avg.; 34% emerged, 28% 1996, 62% avg. Oats 89% planted, 91% 1996, 94% avg.; 71% emerged, 74% 1996, 82% avg. Barley 66% planted, 33% 1996, 76% avg.; 28% emerged, 21% 1996, 59% avg. Sugar beets 95% planted, 69% 1996, 90% avg. Sweet corn 64% planted, 47% 1996, 58% avg. Green peas 91% planted, 77% 1996, 82% avg. Potatoes 50% planted, 51% 1996, 67% avg. Flaxseed 5% planted, 9% 1996, 44% avg. Dry edible beans 29% planted, 14% 1996, 45% avg. Sunflowers 17% planted, 10% 1996, 51% avg. Pasture feed 7% very poor, 27% poor, 40% fair, 24% good, 2% excellent. Spring wheat 23% very poor, 4% poor, 24% fair, 45% good, 4% excellent. Barley 25% very poor, 3% poor, 24% fair, 44% good, 4% excellent. Corn 1% very poor, 6% poor, 45% fair, 43% good, 5% excellent. Oats 5% very poor, 5% poor, 31% fair, 52% good, 7% excellent.

**MISSISSIPPI:** Days suitable for fieldwork 3.6. Soil moisture 7% short, 64% adequate, 29% surplus. Corn 99% emerged, 100% 1996, 93% avg.; 5% silked, 1% 1996, 1% avg.; 2% poor, 16% fair, 68% good, 14% excellent. Soybeans 76% planted, 83% 1996, 52% avg.; 60% emerged, 68% 1996, 41% avg.; 8% fair, 87% good, 5% excellent. Wheat 26% mature, 48% 1996, 43% avg.; 0% harvested, 1% 1996, 4% avg.; 1% very poor, 6% poor, 37% fair, 46% good, 10% excellent. Peaches 10% harvested, 0% 1996, 6% avg.; 12% fair, 53% good, 35% excellent. Peanuts 91% planted, 95% 1996, 78% avg.; 1% fair, 84% good, 15%

excellent. Sweet potatoes 10% planted, 14% 1996, 25% avg.; 1% fair, 97% good, 2% excellent. Hay 75% harvested (cool season), 78% 1996, N/A avg.; (warm season), 8% harvested, 9% 1996, N/A avg.; 3% poor, 26% fair, 54% good, 17% excellent. Watermelons 92% planted, 92% 1996, 90% avg.; 3% poor, 15% fair, 57% good, 25% excellent. Blueberries 1% very poor, 1% poor, 15% fair, 57% good, 26% excellent. Cattle 2% poor, 15% fair, 67% good, 16% excellent. Pasture feed 1% very poor, 4% poor, 23% fair, 58% good, 14% excellent. Activities: Planting cotton, rice, sorghum, soybeans, harvesting hay. Cool-season hay harvest is winding down. Rain during the past week was a welcome relief to most farmers across the State.

**MISSOURI:** Days suitable for fieldwork 5.4. Topsoil 3% very short, 31% short, 59% adequate, 7% surplus. Bean planting most advanced in the northwest, central, east central with about 70% planted, least advanced southern third ranging from 25% to 51%. Corn planting is virtually complete at about 96%, over 90% complete statewide. Sorghum planting most advanced in southern third, with south central leading with 90% complete, all other districts range from 30% north central to 53% northwest. Wheat heading is virtually complete in the southern third of the State with over 90%, northern third ranges from 26% northwest to 46% northeast. First crop alfalfa 28%, 17% 1996, 23% avg. Other hay 11%, 5% 1996, 10% avg. Pasture feed 2% very poor, 13% poor, 41% fair, 41% good, 3% excellent.

**MONTANA:** Days suitable for fieldwork 6. Topsoil 27% very short, 38% short, 31% adequate, 4% surplus. Subsoil 6% very short, 37% short, 52% adequate, 5% surplus. Some areas of the State need additional moisture to assist small grain emergence. A freeze at the beginning of the week necessitated the reseeding of some sugar beets. Oats 81% planted, 76% 1996, 85% avg.; emerged 52%, 44% 1996, 57% avg.; 1% very poor, 8% poor, 42% fair, 47% good, 2% excellent. Sugar beets 100% planted, 98% 1996, 99% avg.; 89% emerged, 81% 1996; 2% very poor, 20% poor, 26% fair, 50% good, 2% excellent. Corn 93% planted, 77% 1996, 84% avg.; 50% emerged, 28% 1996. Potatoes 58% planted, 46% 1996, 60% avg.; emerged 13%. Dry beans 80% planted, 47% 1996, 71% avg.; emerged 16%, 5% 1996. Calving 98% complete and lambing 91% complete. Cattle moved to summer pasture 75%, sheep moved 56%.

**NEBRASKA:** Days suitable for fieldwork 6.3. Topsoil 9% very short, 58 short, 33% adequate. Subsoil 1% very short, 22% short, 76% adequate, 1% surplus. Dry conditions early last week continued to promote rapid fieldwork progress. Corn planting was near completion, over 2/3's of the soybean and sorghum crops in the ground. Reports indicated that some producers stopped planting soybeans and sorghum, due to dry soils until they got some rain. Beginning in the west on 22nd, through the weekend, rain was received in most areas. Heavy amounts fell in portions of the Panhandle. Winter wheat 2% very poor, 18% poor, 49% fair, 29% good, 2% excellent; 81% jointed, 87% 1996, 96% avg.; 14% headed, 13% 1996, 33% avg.; weekending rains should improve crop condition. Corn 98% planted, 93% 1996, 88% avg.; 68% emerged, 67% 1996, 56% avg. Soybeans 75% planted, 39% 1996, 47% avg.; 18% emerged, 7% 1996, 17% avg. Sorghum 68% planted, 34% 1996, 37% avg.; 11% emerged, 4% 1996, 12% avg. Oats 10% poor, 36% fair, 52% good, 2% excellent. Alfalfa 6% very poor, 12% poor, 39% fair, 39% good, 4% excellent; 1% 1st cutting, 1% 1996, 9% avg.; growth short due to lack moisture, cool temperatures. Wild hay 2% very poor, 16% poor, 38% fair, 42% good, 2% excellent. Pasture feed, range 3% very poor, 14% poor, 37% fair, 45% good, 1% excellent. Moving cattle to summer pastures, supplemental feeding was necessary in northern counties. Other activities; spring tillage, fertilizer application, running pivots.

**NEVADA:** Alfalfa hay fair to good with the crop growing rapidly. Some fields were being sprayed for weevil, tygus. Cheat grass, mustard weed were reported to be heavy in some Lovelock area fields. Alfalfa 1st cutting was advancing northwest, while second was completed in the extreme south. Corn, sudan planting was underway in Lahontan

Valley. Smut remained a concern in winter barley northwest, with crop condition poor to good. Winter, spring wheat continued to rate mostly good. Onions were in good to excellent condition, as was garlic. Weeding was underway in onion fields. Potatoes were in good condition. Pastures, ranges continue to show good growth. Branding continued in some cattle herds. Main farm, ranch activities: Alfalfa hay harvest, planting warm season crops, irrigating, spraying.

**NEW ENGLAND:** Days suitable for fieldwork 5.1. Topsoil 63% adequate, 37% surplus. Subsoil moisture 62% adequate, 38% surplus. Pasture feed 5% very poor, 14% poor, 43% fair, 34% good, 4% excellent. Massachusetts potatoes 80% planted, 75% 1996, 85% avg.; 15% emerged, condition good. Rhode Island potatoes 80% planted, 60% 1996, 75% avg.; 20% emerged, condition good. Maine potatoes <5% planted, 60% 1996, 55% avg. Field corn 30% planted, 35% 1996, 50% avg.; 5% emerged, condition fair to good. Sweet corn 45% planted, 35% 1996, 50% avg.; 20% emerged, condition good to fair. Oats in Maine 15% planted, 80% 1996, 70% avg.; 0% emerged. Barley in Maine 15% planted, 85% 1996; 0% emerged. Shade tobacco 50% planted, 20% 1996, 40% avg.; condition good. Broadleaf tobacco 20% planted, 10% 1996, 5% avg.; condition good. Cranberries, wild blueberries in bud stage, condition good. Highbush blueberries early bloom to bud, condition good. Strawberries early bloom, condition good to fair. Pears in full bloom, condition fair to good. Apples ranged from early bloom in Maine to petal fall in Connecticut, condition good. Peaches in petal fall, condition fair to good. Cool, wet weather continues to delay crop emergence, fieldwork progress was behind from one to three weeks throughout the region. Major farm activities: Plowing, harrowing, planting field corn on well drained fields. Planting cool weather vegetables. Putting livestock out on pastures.

**NEW JERSEY:** Days suitable for fieldwork 6. Topsoil adequate. Farmers are busy implementing pest control measures, planting, harvesting. Currently, planting tomatoes, peppers, sweet potatoes, snap beans, sweet corn, soybeans, field corn. Harvesting of lettuce (all types), broccoli, asparagus, spinach, leeks, herbs, radishes, parsley, turnips, endive, escarole, beets, kale, Swiss chard. First cutting of hay occurring in some areas. Wheat, barley are heading up. Pastures good condition. Peaches are sizing well. Apples are setting. Harvesting of strawberries has started in southern areas.

**NEW MEXICO:** Days suitable for fieldwork 6.0. Soil moisture 2% very short, 17% short, 73% adequate, 8% surplus. Despite spring showers which covered most of the state planting progressed well; cotton 95% complete, 87% 1996, 88% avg.; corn 91% complete, 97% 1996; sorghum 27% complete, 9% 1996, 22% avg. With more precipitation last week most crop conditions continued to improve. Chile 1% poor, 29% fair, 59% good, 11% excellent; onion 6% fair, 75% good, 19% excellent; lettuce 9% fair, 50% good, 41% excellent; corn 7% fair, 88% good, 5% excellent; cotton 3% poor, 16% fair, 66% good, 15% excellent. Winter wheat 4% poor, 17% fair, 79% good; 92% headed, 97% 1996, 93% avg. First cutting of alfalfa 66% complete; 12% fair, 72% good, 16% excellent. Lettuce harvest is winding down as onion harvest is getting underway; lettuce 89% complete, onions 4%. Ranchers are finishing moving livestock to spring pastures, shearing sheep. Cattle, sheep were rated mostly in fair to good condition. Range, pasture feed conditions 2% poor, 33% fair, 54% good, 11% excellent.

**NEW YORK:** Days suitable for fieldwork 4.9. Soil moisture 69% adequate, 31% surplus. Pasture feed 17% poor, 31% fair, 52% good. Corn 44% planted, 19% 1996, 52% avg. Oats 74% planted, 40% 1996, 72% avg. Wheat 40% fair, 60% good condition. Oats 17% fair, 67% good, 16% excellent. Early field corn being replanted in northern areas due to cold soil. Scattered reports of alfalfa winterkill. Early sweet corn slow to develop. Sweet corn 70% planted, onions 40%. Strawberries flowering in Albany County. Fruit trees in Hudson Valley in petal fall stage. High winds hampering spraying efforts. Growers left hoping pollination was adequate with cool damp temperatures.

**NORTH CAROLINA:** Days suitable for fieldwork 6.5. Farmers had a very full week for planting. Temperatures continued to be below normal through the week. Soil moisture 10% very short, 45% short, 44% adequate, 1% surplus. Activities included: Planting cotton, peanuts, soybeans, tobacco; preparation of tobacco, peanut, cotton, vegetable land for planting; fertilizer, herbicide applications on corn; cutting hay; maintaining pastures; tending livestock; repairing equipment; general farm maintenance.

**NORTH DAKOTA:** Days suitable for fieldwork 6. Rain across the southeastern part of the State slowed planting progress. Rest of the State remained in need of additional precipitation, though the dry conditions allowed planting progress of spring wheat, durum, oats to move ahead of average. Topsoil 7% very short, 30% short, 56% adequate, 7% surplus. Subsoil 1% very short, 11% short, 79% adequate, 9% surplus. Durum wheat was 72% planted, 27% emerged and beyond; 44%, 14% 1996, 69%, 40% avg. Late season crops: canola 76% planted, 23% emerged and beyond; corn 78% planted, 28% emerged and beyond; 52%, 13% 1996, 68%, 31% avg.; dry edible beans 29% planted; 18% 1996, 40% avg.; flaxseed 47% planted, 11% emerged and beyond; 14%, 3% 1996, 44%, 16% avg.; potatoes 53% planted; 55% 1996, 71% avg.; soybeans 45% planted; 16% 1996, 55% avg.; sugar beets 93% planted, 37% emerged and beyond; 67%, 18% 1996, 89%, 60% avg.; sunflower 16% planted; 9% 1996, 30% avg. Pastures, ranges supplied 90% of roughage requirements. Pasture feed 6% very poor, 20% poor, 32% fair, 35% good, 7% excellent.

**OHIO:** Days suitable for fieldwork 4.4. Topsoil 8% short, 73% adequate, 19% surplus. Corn planted is ahead of the five year average by about 2 1/2 weeks. Progress less than 75% northeast. Few reported corn seed rotting, replanting. Corn 57% emerged, 7% 1996, 46% avg. This is up 36% from last week. Soybean planting is a week ahead of the normal; progress around 80% in central, west central districts. Soybeans 20% emerged, 0% 1996, 4% avg. Oats emerged is five days ahead of the normal. Winter wheat 93% jointed, 90% 1996, 90% avg.; headed is 11 days behind the normal. Potatoes 83% planted, 50% 1996, 81% avg. Processing tomatoes 29% planted, 39% 1996, 31% avg. Southern counties finishing setting fresh market tomatoes, peppers. Alfalfa hay 1st cutting 3%, 3% 1996, 13% avg. Other activities included rotary hoeing, cultivating, spraying, scouting crops, applying fertilizer, setting tobacco, some replanting, machinery maintenance. Corn 2% very poor, 7% poor, 34% fair, 49% good, 8% excellent. Hay 1% very poor, 9% poor, 36% fair, 47% good, 7% excellent. Strawberries 2% very poor, 14% poor, 27% fair, 52% good, 5% excellent.

**OKLAHOMA:** Rain, mostly below-normal temperatures helped to fill small grain heads. Wheat 33% soft dough, 60% 1996, 52% avg.; oats 82% heading, 83% 1996, 78% avg.; 40% soft dough, 51% 1996, 36% avg.; corn 96% planted, 100% 1996, 98% avg.; 84% up-to-stand, 96% 1996, 92% avg.; sorghum 61% seedbed prepared, 79% 1996, 79% avg.; 5% up-to-stand, 21% 1996, 15% avg.; soybeans 93% seedbed prepared, 92% 1996, 79% avg.; 56% planted, 57% 1996, 37% avg.; 24% up-to-stand, 28% 1996, 19% avg.; peanuts 89% seedbed prepared, 97% 1996, 91% avg.; 57% planted, 54% 1996, 42% avg.; cotton 90% seedbed prepared, 86% 1996, 90% avg.; alfalfa hay 74% 1st cutting, 72% 1996, 68% avg.; all other hay 43% 1st cutting, 27% 1996, 40% avg.; watermelons 100% planted, 85% 1996, 51% avg.; livestock 2% poor, 16% fair, 78% good, 4% excellent. Fed cattle prices steady to \$2 per cwt. higher.

**OREGON:** Days suitable for fieldwork 6.7. Topsoil 32% short, 68% adequate. Subsoil 20% short, 79% adequate, 1% surplus. All barley 94% planted, 83% 1996, 90% avg. Winter wheat 5% poor, 20% fair, 50% good, 25% excellent; 38% headed, 39% 1996, 42% avg. Activities: East side growers busy haying & finishing grain planting. Winter wheat showed signs of stress due to the dry conditions in the Mid-Columbia area. On Westside haying underway. Silage & green chopping continued, rust control sprays applied to some grass seed fields.

Nurseries digging, balling, shipping plants. Irrigation required due to warm weather. Christmas trees being sprayed, further work delayed until budding is over. Easter Lilies growing well, hand disbudding started along with weeding. East side reported potato planting winding down, onions doing well, asparagus harvest continued. Willamette Valley: Vegetable planting continued; cucumbers, sweet corn, green beans reported emerged; strawberries ripening, raspberries setting fruit, Marion variety blackberries in bloom, some blackberries setting fruit; sweet cherries average set, cherry crop looks light in southern valley; apples, pears look normal. Hood River valley: heavy set of pears thinning itself; first codling moth sprays applied to apples, pears. Rogue River Valley: Earlier frosts lightened fruit thinning in pear, apple orchards; vineyards look good. South Coast: Cranberry growers applied fertilizers, fine-tuned irrigation.

**PENNSYLVANIA:** Days suitable for fieldwork 4.8. Fair week for fieldwork. Soil moisture 6% very short, 38% short, 50% adequate, 6% surplus. Plowing 92% complete, 73% 1996, 86% avg. Corn planted 75% complete, 56% 1996, 66% avg. Soybeans planted 45% complete, 28% 1996, 34% avg. Oats planted 98% complete, 86% 1996, 92% avg. Potatoes planted 70% complete, 62% 1996, 71% avg. Tobacco transplanted 15% complete, 20% 1996, 8% avg. Barley 84% heading or headed, 81% 1996, 67% avg. Wheat 50% heading or headed, 49% 1996, 34% avg.; 1% very poor, 9% poor, 32% fair, 51% good, 7% excellent. Oat 12% poor, 30% fair, 52% good, 6% excellent. Alfalfa 1st cutting 17% complete, 20% 1996, 14% avg. Quality of hay made 25% fair, 60% good, 15% excellent. Activities: Plowing; planting oats, corn, soybeans; making hay, haylage; fixing fences; hauling manure; caring for livestock.

**SOUTH CAROLINA:** Soil moisture 5% very short, 57% short, 38% adequate. Barley 90% turn color, 76% 1996, 68% avg.; 6% fair, 54% good, 40% excellent. Cantaloupes 99% planted, 99% 1996, 92% avg.; 2% very poor, 6% poor, 54% fair, 38% good. Corn 8% poor, 33% fair, 55% good, 4% excellent. Cucumbers 25% fair, 50% good, 25% excellent. Hay 87% harvested, 77% 1996, 75% avg.; 2% very poor, 9% poor, 30% fair, 53% good, 6% excellent. Oats 95% turn color, 85% 1996, 81% avg.; 73% ripe, 55% 1996, 45% avg.; 2% poor, 22% fair, 67% good, 9% excellent. Peaches 13% poor, 19% fair, 35% good, 33% excellent. Rye 91% turn color, 84% 1996, 80% avg.; 64% ripe, 50% 1996, 41% avg.; 3% poor, 33% fair, 58% good, 6% excellent. Snap beans 90% planted, 92% 1996, 83% avg.; 2% poor, 15% fair, 56% good, 27% excellent. Sorghum 48% planted, 32% 1996, 33% avg.; 9% fair, 53% good, 38% excellent. Soybeans 24% planted, 22% 1996, 24% avg.; 3% poor, 54% fair, 42% good, 1% excellent. Sweet potatoes 55% planted, 64% 1996, 45% avg.; 70% fair, 30% good. Tobacco 100% transplanted, 100% 1996, 100% avg.; 5% poor, 33% fair, 58% good, 4% excellent. Tomatoes 99% planted, 100% 1996, 100% avg.; 9% fair, 90% good, 1% excellent. Watermelons 6% poor, 39% fair, 49% good, 6% excellent. Winter Wheat 95% turn color, 86% 1996, 79% avg.; 42% ripe, 49% 1996, 38% avg.; 6% harvested, 4% 1996; 2% poor, 21% fair, 62% good, 15% excellent.

**SOUTH DAKOTA:** Topsoil 1% very short, 17% short, 71% adequate, 11% surplus. Subsoil 1% short, 72% adequate, 27% surplus. Days suitable for fieldwork 6.0. Winter wheat 10% boot. Winter rye 21% boot; 2% poor, 33% fair, 55% good, 10% excellent. Alfalfa hay 1% very poor, 7% poor, 34% fair, 48% good, 10% excellent. Sunflowers 10% planted. Flax 32% planted, 12% emerged. Livestock 3% poor, 18% fair, 71% good, 8% excellent. Calving 93% complete. Lambing 91% complete. Cattle, calves moved to pasture 76% complete. Feed supplies 4% very short, 12% short, 80% adequate, 4% surplus. Stock water 76% adequate, 24% surplus.

**TENNESSEE:** Days suitable for fieldwork 5.0. Topsoil 2% very short, 16% short, 79% adequate, 3% surplus. Subsoil 11% short, 87% adequate, 2% surplus. Farmers concentrated on planting activities last week. However, cool soil temperatures, a lack of moisture slowed progress. Most of the State received warm temperatures, weekend

showers, which should greatly help crop progress, conditions. Corn 2% very poor, 7% poor, 30% fair, 49% good, 12% excellent; 97% planted, 96% 1996, 95% avg. Tobacco 44% transplanted, 50% 1996, 52% avg. Wheat 7% poor, 24% fair, 49% good, 20% excellent; 27% turning color, 25% 1996, 40% avg. Sorghum 71% planted, 63% 1996, 63% avg. Pasture feed 1% very poor, 8% poor, 31% fair, 49% good, 11% excellent. Alfalfa hay 4% poor, 35% fair, 52% good, 9% excellent; 55% first cutting, 64% 1996, 68% avg. Other hay 10% poor, 37% fair, 44% good, 9% excellent.

**TEXAS:** Most areas received rain during the week. However, open, sunny conditions returned for part of the week in many areas. Planted crops made good progress in most areas, with return to sunny weather. Producers made some progress on field activities part of the week. Haying activity slowly increased as fields dried out. Livestock conditions remained good. Pastures continued to improve as temperatures increased.

**Crops:** Some fields in the High Plains were showing rust problems. However, most fields have improved from freeze damage. Some lodging occurred due to high winds. Fields were rapidly heading in other areas of the State, with warmer temperatures late in the week. Harvest increased in the central areas, has moved into Blacklands, wet fields limited progress. Crops were 1% harvested, compared to 5% in 1996 and the 4% avg. Corn progressed. Progress was good in most areas. However, additional warmer weather is needed for continued improvement. Fields began to tassel in parts of the Blacklands, entered dough stage in the southern and coastal areas. Good drying conditions are needed along the Upper Coast, where crop behind normal development, catching up in a hurry. Corn was 85% normal compared with 56% in 1996; 6% silked compared with 14% in 1996 and the 15% avg. Cotton planting was active in the plains as conditions allowed during the week. Cool temperatures slowed emergence. However, conditions improved by late week. Higher temperatures by late week in central areas benefited the crop. Fields continued to square in the Coastal Bend and Rio Grande Valley. Cotton was 81% normal, compared with 56% in 1996. Grain sorghum planting continued in the Plains where early-planted fields were making good progress. Growth was good in many other areas. Fields were beginning to head in the central areas. Drier conditions were needed along the Upper Coast. The statewide condition was rated 86% normal, compared with 55% in 1996 and 7% headed, compared with 20% in 1996 and the 17% avg. Peanut planting was mostly completed in the Plains. However, cool soil temperatures slowed emergence. Higher temperatures late in the week helped some. Planting was active in the south-central areas. Most of the rice planting neared completion; producers were flooding emerged fields. Soybeans planting increased in the Plains as soils dried and warmed. Progress was slow in the north-central areas, with some fields showing nutrient deficiencies. Planting was winding down along the Upper Coast, with emerged fields showing good progress. For sugarbeets, cool soil temperatures slowed progress until late in the week in the High Plains where planting was virtually completed during the week.

**Commercial Vegetables:** In the Rio Grande Valley, melon and onion harvests was drawing to a premature close in many fields. Excessive wet conditions and cool temperatures caused short crops. Harvest of carrots and cabbage continued. In the San Antonio Winter Garden, watermelon progress improved in many fields. Onion harvest increased. In the High Plains, potato and onion progress was good. In the east, weeds, insects, and disease problems continued to plague many growers. Planting operations were slow for most of the week. In the Trans-Pecos, cultivation and harvest operations continued for most of the week without delay. Peach harvest of early varieties continued in many areas, with good yields and quality reported. Spraying pecans for case bearers occurred during the week; however, numbers were light in most areas. *Phylloxera* is a problem in some eastern groves. A good crop is expected in areas not affected by the late freeze.

**Range and Livestock:** Livestock conditions remained good across the State. Flies continued to be a problem in many herds. Haying activity was slowly increasing in some areas. Pastures showed excellent

progress as temperatures rose late in the week. Markets remained strong.

**UTAH:** Days suitable for fieldwork 5.8. Topsoil 14% short, 80% adequate, 6% surplus. Subsoil 17% short, 76% adequate, 7% surplus. Pasture feed, range 2% poor, 17% fair, 70% good, 11% excellent. Oats: planted 91%, 82% 1996, 88% avg.; emerged 70%, 66% 1996, 74% avg. Winter wheat heading or better 10%, 15% 1996, 15% avg. Corn planted 95%, 83% 1996, 83% avg.; emerged 45%, 61% 1996, 50% avg. Alfalfa hay 1st cutting 5%, 2% 1996, 11% avg.; height 17 in., 14 in. 1996, 16 in. avg. Potatoes planted 93%, 51% 1996. Dry beans planted 6%, 4% 1996. Cattle moved to summer range 55%, 50% 1996, 51% avg. Sheep moved to summer range 41%, 56% 1996, 46% avg. Major farm, ranch activities: Spring planting, tillage, spraying for weeds, spraying apple trees, cutting alfalfa, other hay, irrigating, moving cattle, sheep to summer range. A few counties reported that alfalfa fields are weedier than normal. High pasture, range lands are growing slower than normal due to heavier snow fall from last winter. Flooding remains a problem along the Bear River in Rich and Logan counties.

**VIRGINIA:** Days suitable for fieldwork 5.9. Topsoil 20% very short, 50% short, 29% adequate, 1% surplus. Subsoil 8% very short, 42% short, 49% adequate, 1% surplus. Corn 83% planted, 83% 1996, 86% avg.; 6% poor, 50% fair, 40% good, 4% excellent. Soybeans 20% planted, 21% 1996, 23% avg. Cotton 97% planted, 98% 1996, 99% avg.; 4% poor, 50% fair, 46% good. Winter wheat 2% poor, 30% fair, 63% good, 5% excellent. Barley 1% very poor, 5% poor, 36% fair, 54% good, 4% excellent. Apples 5% very poor, 5% poor, 30% fair, 50% good, 10% excellent. Peaches 20% very poor, 20% poor, 40% fair, 20% good. Tobacco greenhouses 1% fair, 31% good, 68% excellent. Tobacco plantbeds 2% very poor, 4% poor, 42% fair, 52% good. Flue tobacco transplanted 85%, 81% 1996, 84% avg. Sun tobacco transplanted 20%, 55% 1996, 53% avg. Burley tobacco transplanted 30%, 35% 1996, 24% avg. Dark fire cured tobacco transplanted 60%, 51% 1996, 58% avg. Peanuts 90% planted, 84% 1996, 93% avg.; 4% poor, 30% fair, 66% good. Summer potatoes 10% fair, 80% good, 10% excellent. Pasture feed 1% very poor, 20% poor, 50% fair, 28% good, 1% excellent. Alfalfa 1% very poor, 3% poor, 50% fair, 45% good, 1% excellent. Other hay 1% very poor, 23% poor, 50% fair, 25% good, 1% excellent. Many localities received much needed rains over the weekend. However, in some areas, planting, crop growth are limited due to very hard, dry surface conditions. Field planting, crop growth were delayed in some southwestern areas due to frost. Pastures, hay crops continue to suffer due to the cool spring. Dry conditions made it necessary for vegetable, potato irrigation. Other activities include tomato staking, snap beans and cucumber cultivation. Tobacco transplanting continues to make good progress.

**WASHINGTON:** Days suitable for fieldwork 6.9. Topsoil 5% very short, 15% short, 70% adequate, 10% surplus. Subsoil 23% short, 76% adequate, 1% surplus. West of the mountains, ideal weather conditions were reported. East of the mountains, hot dry winds began to dry soils. Winter wheat 5% headed, 2% 1996, 11% avg. Winter wheat dryland 10% poor, 25% fair, 40% good, 25% excellent; irrigated 80% good, 20% excellent. Spring wheat 99% planted, 94% 1996, 98% avg.; 93% emerged, 80% 1996, 89% avg. Spring wheat, dryland 5% poor, 25% fair, 50% good, 20% excellent; irrigated 88% good, 12% excellent. Winter, spring wheat were heading. Spring wheat, barley planting neared completion. Some areas east of the mountains reported concern over lack of precipitation needed for cereal grain development. Barley 99% planted, 92% 1996, 97% avg.; 91% emerged, 88% 1996, 74% avg.; dryland, 5%, 35% fair, 45% good, 15% excellent; irrigated 100% good. Corn 95% planted, 92% 1996, 86% avg. Dry beans 10% planted, 17% 1996, 29% avg. Dry peas 99% planted, 90% 1996, 96% avg. Potatoes 100% planted, 100% 1996, 98% avg.; 62% emerged,

88% 1996, 78% avg.; 100% good. Hay, other roughage supplies 4% very short, 30% short, 55% adequate, 11% surplus. Alfalfa 1st cutting underway. Green chop, silage cutting by dairies underway west of the mountains. Range, pasture feed 4% poor, 40% fair, 50% good, 6% excellent. Eastern grazing conditions continued to improve. Cattle were moved from early spring pasture to summer ranges. West of the mountains, vegetable planting neared completion. Sweet corn emerged, rhubarb harvest continued. Berry crops showed excellent potential. Turf growers mowed, applied fertilizer. Fruit thinning, first cover sprays were the main activities in eastern fruit growing areas.

**WEST VIRGINIA:** Cool nights and cool soil temperatures continue to hinder crop growth. Days suitable for fieldwork 4.6. Topsoil 14% short, 79% adequate, 7% surplus. Intended Acreage Prepared for Spring Planting 93%, 74% 1996. Corn 73% planted, 60% 1996, 68% avg. Hay 10% poor, 44% fair, 43% good, 3% excellent; 1st cutting of hay 4%, 4% 1996. Hay harvesting has started, 1st cutting may be short due to earlier cool weather. Oats 1% poor, 14% fair, 85% good; 87% planted, 85% 1996, 83% avg.; oats 69% emerged, 65% 1996, 68% avg. Soybean 60% planted, 8% 1996. Tobacco transplanted 9%, 8% 1996. Wheat 1% poor, 18% fair, 63% good, 18% excellent; 76% headed, 65% 1996, 69% avg. Apples 100% fair. Peaches 100% fair. Cattle 1% poor, 17% fair, 77% good, 5% excellent. Sheep 8% fair, 90% good, 2% excellent. Activities: Field preparation for planting, planting corn, oats, soybeans; transplanting tobacco, cutting hay and general maintenance.

**WISCONSIN:** Days suitable for fieldwork 5.9. Soil moisture 4% very short, 33% short, 60% adequate, 3% surplus. State's average rainfall lagged behind normal by 1.8 inches. Over half of the reporters in the western side of State rated soil moisture short. A reporter from Dunn County commented on the soil moisture getting drier from lots of wind. Much of the central, eastern areas recorded adequate to surplus soil moisture. Weather has not been cooperative since windy conditions prevented herbicide spraying, cold temperatures slowed the development of most crops. A reporter from Shawano County, in the northeast district, stated some seed corn should not have been planted so early, because there has been very little growth, and weeds may be a problem. There were scattered reports of farmers replanting corn in Brown County. Soybean acreage jumped to 70% in the ground, compared to 27% 1996, 46% avg. Winter wheat 4% poor, 19% fair, 55% good, 22% excellent. Winter wheat looked very good in Manitowoc County, except for a few low spots which froze out. Pasture feed 3% very poor, 18% poor, 40% fair, 36% good, 3% excellent. Pasture conditions were steadily deteriorating where moisture is needed badly. Apple trees were in full bloom in Lafayette County.

**WYOMING:** Days suitable for fieldwork 4.8. Topsoil 14% short, 80% adequate, 6% surplus. Subsoil moisture supplies 13% short, 81% adequate, 6% surplus. Winter wheat 52% jointed, 58% 1996, 66% avg. Barley 97% planted, 96% 1996, 95% avg.; 83% emerged, 85% 1996, 84% avg.; 33% jointed, 8% 1996, 11% avg. Oats 91% planted, 92% 1996, 91% avg.; 66% emerged, 59% 1996, 64% avg.; 12% jointed, 8% 1996, 6% avg. Spring wheat 90% planted, 95% 1996, 90% avg.; 67% emerged, 55% 1996, 66% avg.; 13% jointed, 6% 1996, 6% avg. Sugar beets 85% emerged, 81% 1996, 76% avg. Corn 94% planted, 95% 1996, 86% avg.; 62% emerged, 54% 1996, 49% avg. Dry beans 35% planted, 20% 1996, 22% avg.; 5% emerged, 1% 1996, 2% avg. Winter wheat 14% poor, 28% fair, 57% good, 1% excellent. Barley 9% fair, 82% good, 9% excellent. Oats 14% fair, 83% good, 3% excellent. Spring wheat 2% poor, 9% fair, 88% good, 1% excellent. Sugar beets 1% poor, 9% fair, 89% good, 1% excellent. Irrigation water supplies adequate to surplus. Range, pasture feed 3% poor, 37% fair, 47% good, 13% excellent. Range flock ewes lambbed 65%, 64% 1996, 71% avg. Livestock in mostly good condition.

# International Weather and Crop Summary

May 18 - 24, 1997

## HIGHLIGHTS

**FSU-WESTERN:** Although light to moderate showers continued to favor crop development in Ukraine and Russia, rain was needed in southern Ukraine where a drying trend has persisted since late April.

**FSU-NEW LANDS:** Scattered light showers and mild weather in Kazakstan and Western Siberia, Russia favored rapid spring grain emergence and caused only minor planting delays.

**EUROPE:** Wet weather continued to alleviate dryness in northern and western Europe.

**AUSTRALIA:** Showers maintained mostly favorable prospects for winter grain germination, although dry pockets lingered in the southeast.

**CANADA:** Unseasonably cold, wet weather hampered Prairie spring plantings.

**SOUTH ASIA:** A powerful tropical cyclone struck outlying rice areas of southeastern Bangladesh.

**SOUTHEAST ASIA:** Showers benefited rainfed crops across the Philippines and Thailand that had been becoming dry.

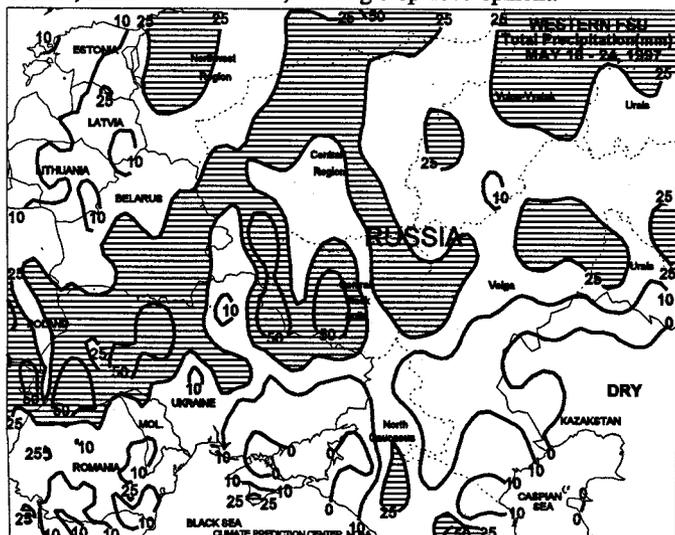
**EASTERN ASIA:** Rain increased topsoil moisture for summer crops across Manchuria as drier weather in the North China Plain favored filling to maturing winter wheat.

**SOUTH AMERICA:** Rain covered most winter wheat areas of central Argentina and southern Brazil, greatly increasing topsoil moisture for planting.

**MEXICO:** Showers continued to boost pre-planting moisture and reservoir supplies across eastern and northern Mexico.

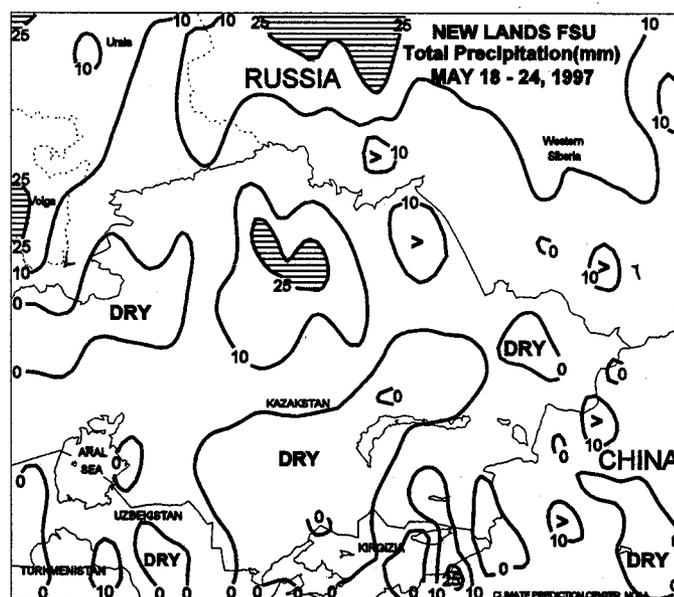
### FSU-WESTERN

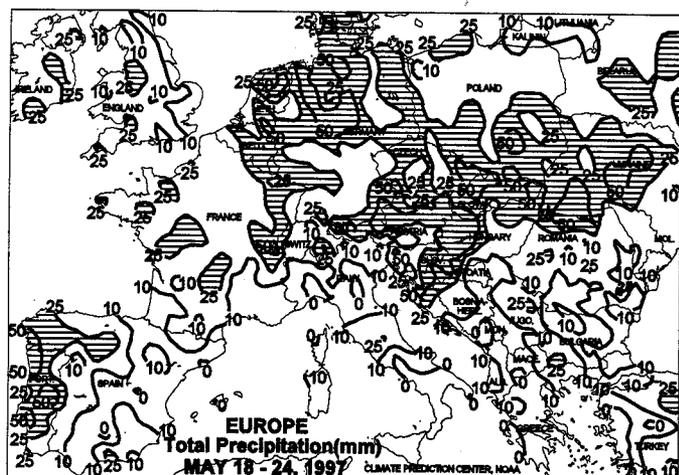
Weather conditions favored crop development over most of the region. Widespread showers (10-25 mm, with local amounts in excess of 50 mm) prevailed over Russia, western and northern Ukraine, Belarus, and the Baltics, maintaining favorable moisture conditions for winter grains and spring-sown crops. In contrast, a drying trend continued in the southeastern Ukraine and Krasnodar oblast in North Caucasus, Russia. Rain was needed in these areas to prevent a deterioration in crop conditions. Elsewhere, drier weather (generally less than 10 mm) prevailed in lower Volga Valley, favoring sunflower planting delayed by previous wetness. However, wet weather in the upper Volga Valley continued to cause planting delays. Crop progress for winter grains likely ranged from heading in southern Ukraine and North Caucasus, Russia to jointing over the remainder of Ukraine and Russia, Belarus, and the Baltics. Crop progress for spring grains likely ranged from jointing in southern Ukraine and southern Russia, to emergence in extreme northern areas. Weekly temperatures averaged 1 to 3 degrees above normal in Ukraine and southern Russia, favoring winter and spring grain development and rapid summer crop emergence. Weekly temperatures averaged 2 to 6 degrees C below normal in Belarus, the Baltics, and northern Russia, slowing crop development.



### FSU-NEW LANDS

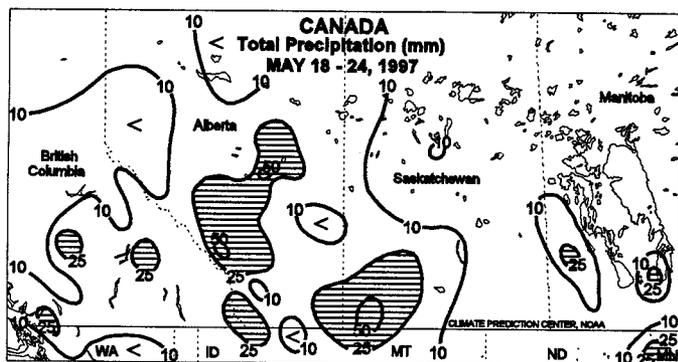
Spring grain planting (oats, spring wheat, and spring barley) was typically underway in Russia and Kazakstan. In Russia, although wet weather in the Urals continued to slow spring grain planting, several days of dry weather in Western Siberia favored rapid planting progress. In Kazakstan, dry weather prevailed in western and eastern areas, favoring spring grain planting. Although light to moderate showers (10-42 mm) in central Kazakstan early in the week may have caused some planting delays, mostly dry weather at week's end allowed a resumption in planting activities. Weekly temperatures averaged 1 to 3 degrees below normal in Urals, Russia and western Kazakstan, slowing crop emergence. Weekly temperatures averaged 2 to 4 degrees above normal in eastern Kazakstan and Western Siberia.





**EUROPE**

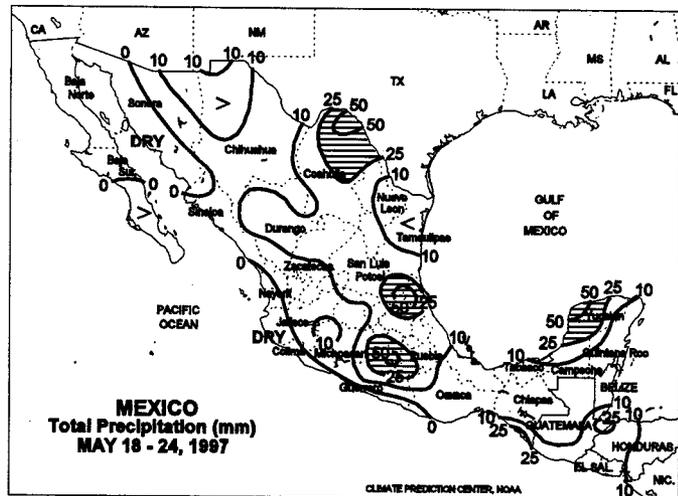
Widespread rain (10-40 mm, with local amounts in excess of 50 mm) continued to spread from England and France, eastward through Germany, alleviating previous dryness and benefiting winter grains and spring-sown crops. The rain in these areas was timely for winter grains likely in or entering the heading stage. Little or no rain fell in northern Italy's Po Valley, where rain was needed for winter grains in the filling stage and for summer crops in the vegetative stage. In eastern Europe, wet weather (10-50 mm, with local amounts in excess of 50 mm) spread from Poland, southward through the Czech Republic, Slovakia, Hungary, Yugoslavia, and Romania, into Bulgaria. The rain benefited winter grains likely in the jointing stage in northern areas and entering the heading stage in southeastern Europe. Furthermore, above-normal temperatures prevailed over most of eastern Europe, favoring rapid emergence and early growth of spring-planted crops.



**CANADA**

Below-normal temperatures and locally heavy rain fostered delays in Prairie spring crop planting and germination. Temperatures averaged 4 to 7 degrees C below normal across the region, with lows in southern Manitoba as cold as -5 C. Moderate to heavy precipitation (14-63 mm) stretching from southern Alberta to western Manitoba halted fieldwork but provided the southwestern Prairies with welcomed moisture. Planting progress varied greatly among districts, with the greatest difficulties reported in the colder northern areas and excessively wet areas of southern Manitoba. Overall plantings are on schedule in Alberta and Saskatchewan, with about 2 weeks left in the optimal planting period. In Ontario, continuing cool, showery weather slowed winter wheat development and hampered corn planting and germination.

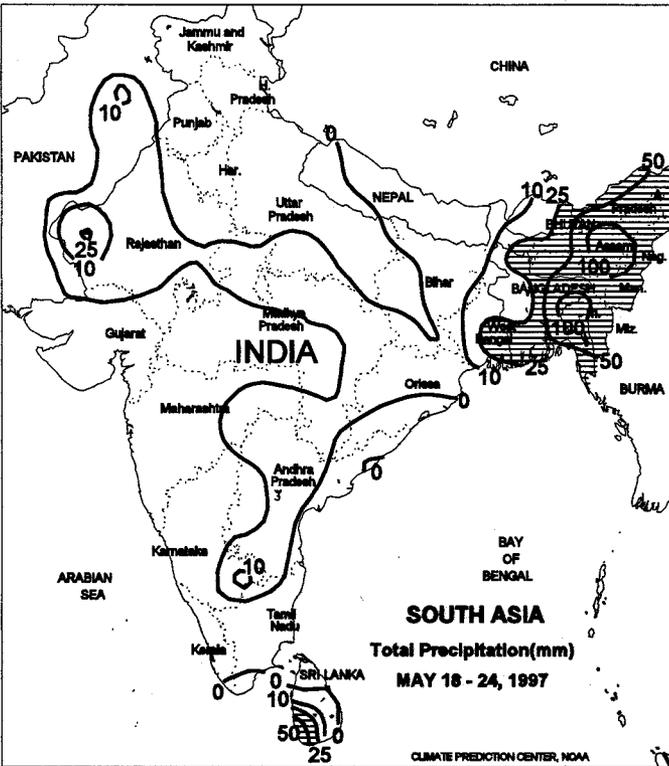
**MEXICO**



Light to moderate showers (5-35 mm) fell across central and northern Mexico, increasing topsoil moisture for corn planting. Temperatures averaged 1 to 2 degrees C below normal across most of the country.

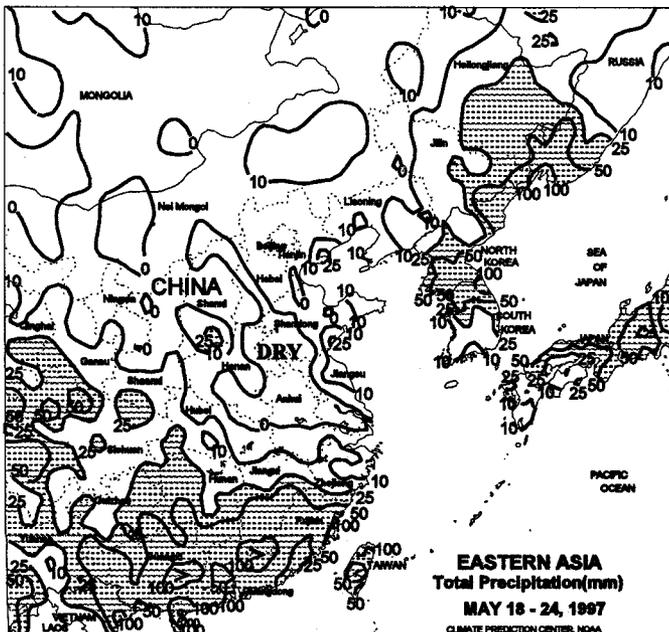
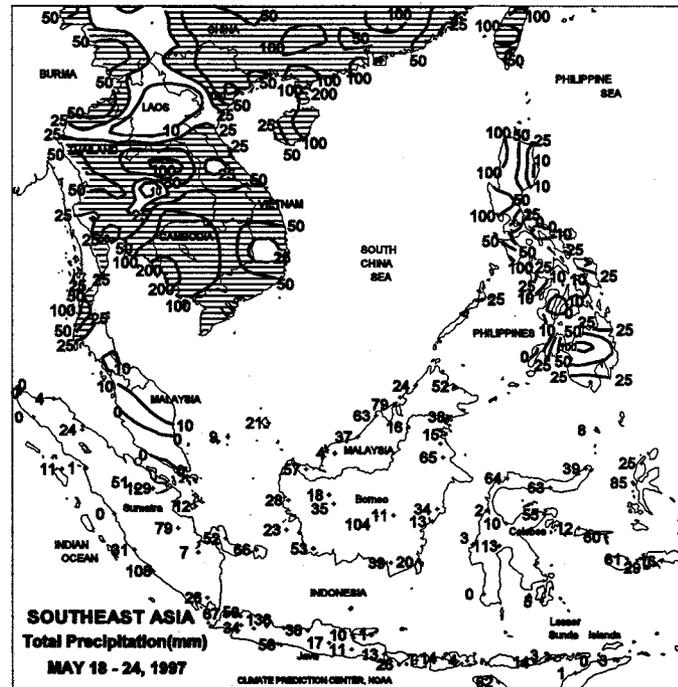
**SOUTH ASIA**

A deadly tropical cyclone struck southeastern Bangladesh on May 19 with sustained winds of approximately 115 knots. The impact area is a minor rice producer. However, moderate to heavy showers (25-50 mm or more, exceeding 100 mm locally) throughout Bangladesh and the surrounding states in India affected rice harvesting and planting and likely caused some localized flooding and crop damage. Elsewhere, seasonably warm, dry weather dominated. The advancing southwest monsoon typically provides southern India with planting moisture in early June and reaches Pakistan crop areas by mid July.



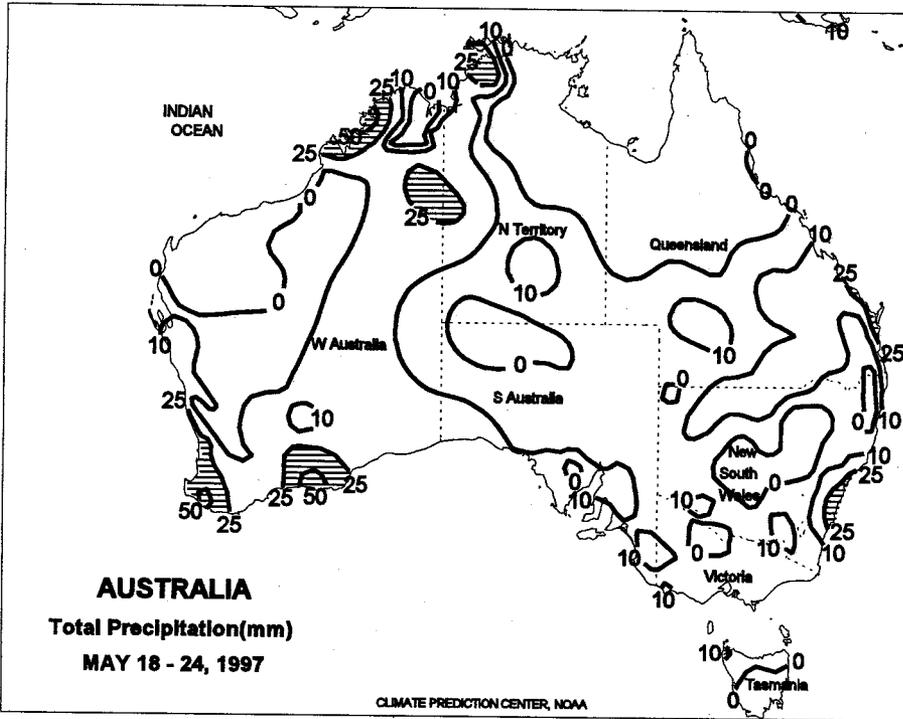
**SOUTHEAST ASIA**

Widespread showers (25-50 mm, with isolated amounts greater than 100 mm) covered Thailand, aiding main-season rice. In the Philippines, heavy showers (60-125 mm) fell across western Luzon, causing some flooding, but boosting irrigation supplies. However, the central islands still received below-normal rainfall (5-25 mm) for this time of the year. In Java and Vietnam, moderate showers (15-60 mm) maintained favorable moisture supplies for rice. Dryness continued across eastern peninsular Malaysia, where rainfall has averaged about 30 percent of normal during the past 4 weeks. The western areas have been receiving adequate rainfall, but have recently turned dry.



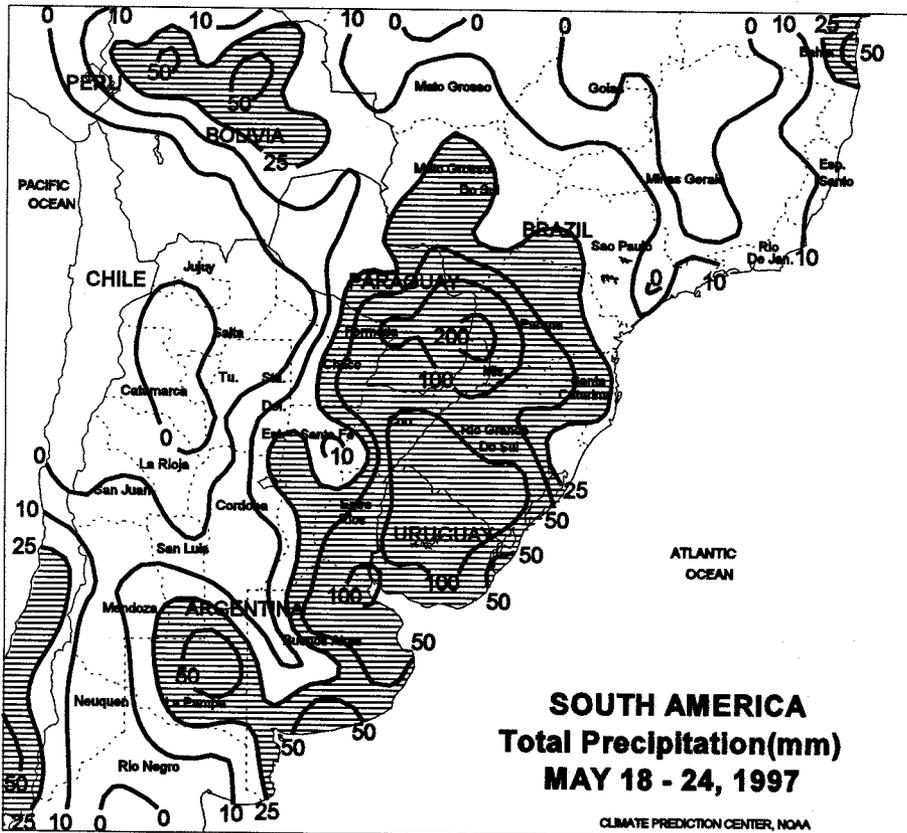
**EASTERN ASIA**

Light to moderate rain (5-35 mm) covered Manchuria, favoring vegetative spring wheat and germinating corn and soybeans. Rainfall during the past weeks has greatly increased soil moisture. Dry weather prevailed across the North China Plain, favoring filling to maturing winter wheat and summer crop planting. Widespread showers (15-75 mm) blanketed the Yangtze Valley and southern China, maintaining moisture supplies. The heavier showers (50-90 mm, with isolated amounts greater than 100 mm) fell across the extreme southern provinces. Due to the persistent cloudiness across this region, temperatures averaged 1 to 2 degrees C below normal, slowing rice development. Temperatures averaged near normal across the North China Plain and 2 to 4 degrees C below normal across Manchuria. Widespread rain (15-60 mm) covered the Korean Peninsula and Japan, maintaining favorable moisture supplies for rice.



**AUSTRALIA**

Light to moderate showers (5-25 mm or more) swept across the region, maintaining generally favorable conditions for winter grain germination. However, dry pockets lingered in the southeast, which needs a good soaking rain to ensure even germination and proper establishment. In New Zealand, moderate to heavy showers (13-52 mm) covered the main agricultural areas.



**SOUTH AMERICA**

Widespread rain covered most of central Argentina and southern Brazil, greatly increasing soil moisture for winter wheat planting. Rainfall ranged from 25 to 75 mm across southern Brazil. Heavier amounts (greater than 100 mm) possibly caused flooding in southeastern Rio Grande do Sul and western Parana. The moisture also benefited the minor second-season corn crop. In central Argentina, rainfall ranged from 10 to 50 mm, but only light amounts (less than 5 mm) were reported in southern Cordoba. Southern Santa Fe received 30 to 40 mm, which should help to spur wheat planting. Temperatures averaged near normal in central Argentina and 1 to 3 degrees C above normal in southern Brazil.

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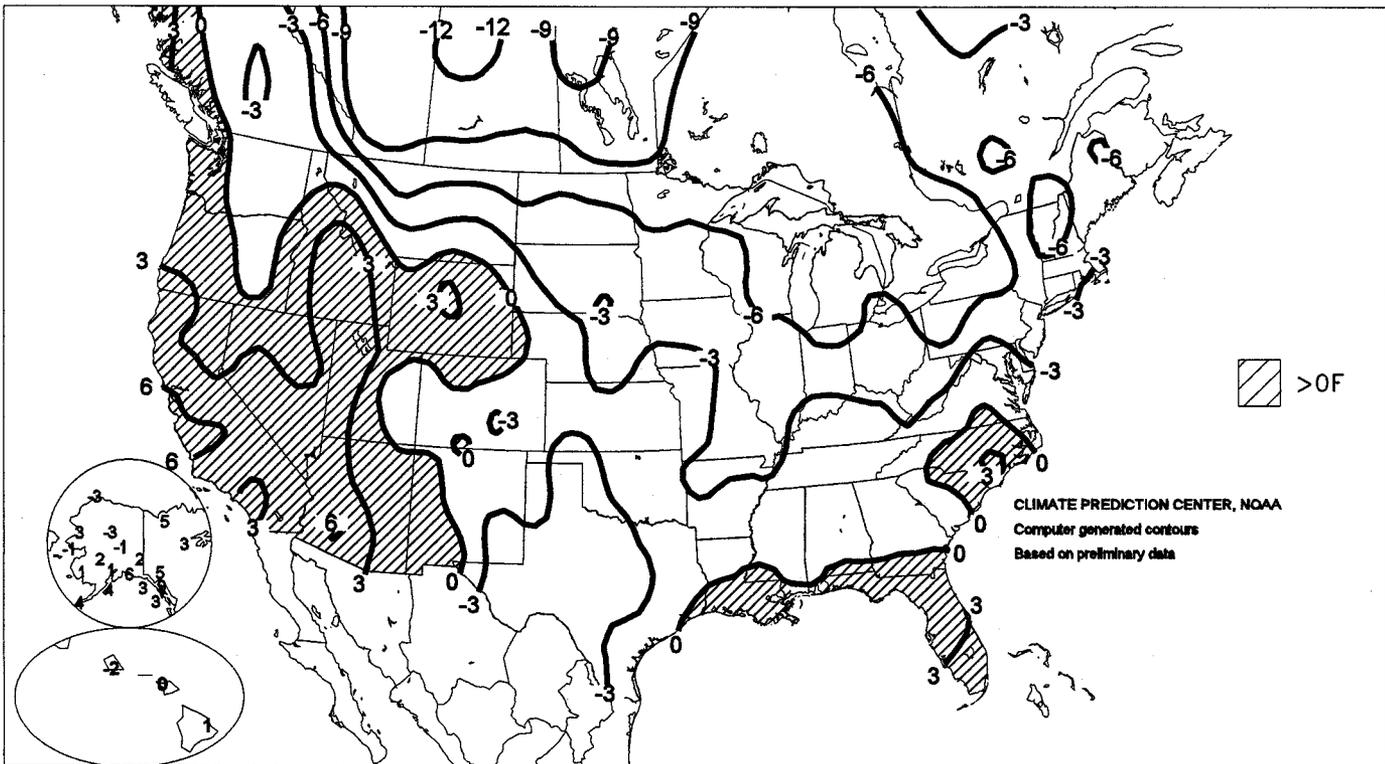
**U.S. DEPARTMENT OF COMMERCE**

National Oceanic and Atmospheric Administration  
National Weather Service/Climate Prediction Center  
Managing Editor ..... *Douglas Le Comte* (202) 720-7919  
fax (202) 720-1455  
Editor ..... *Brad Rippey* (202) 720-1444  
Meteorologists .... *David Secora, Jeff Savadel, Brian Morris*  
Special Requests ..... (202) 720-7917  
Subscriptions ..... *John Kopman* (301) 763-8227, ext. 7534  
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**Departure of Average Temperature from Normal (°F)  
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