

# WEEKLY WEATHER AND CROP BULLETIN

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

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

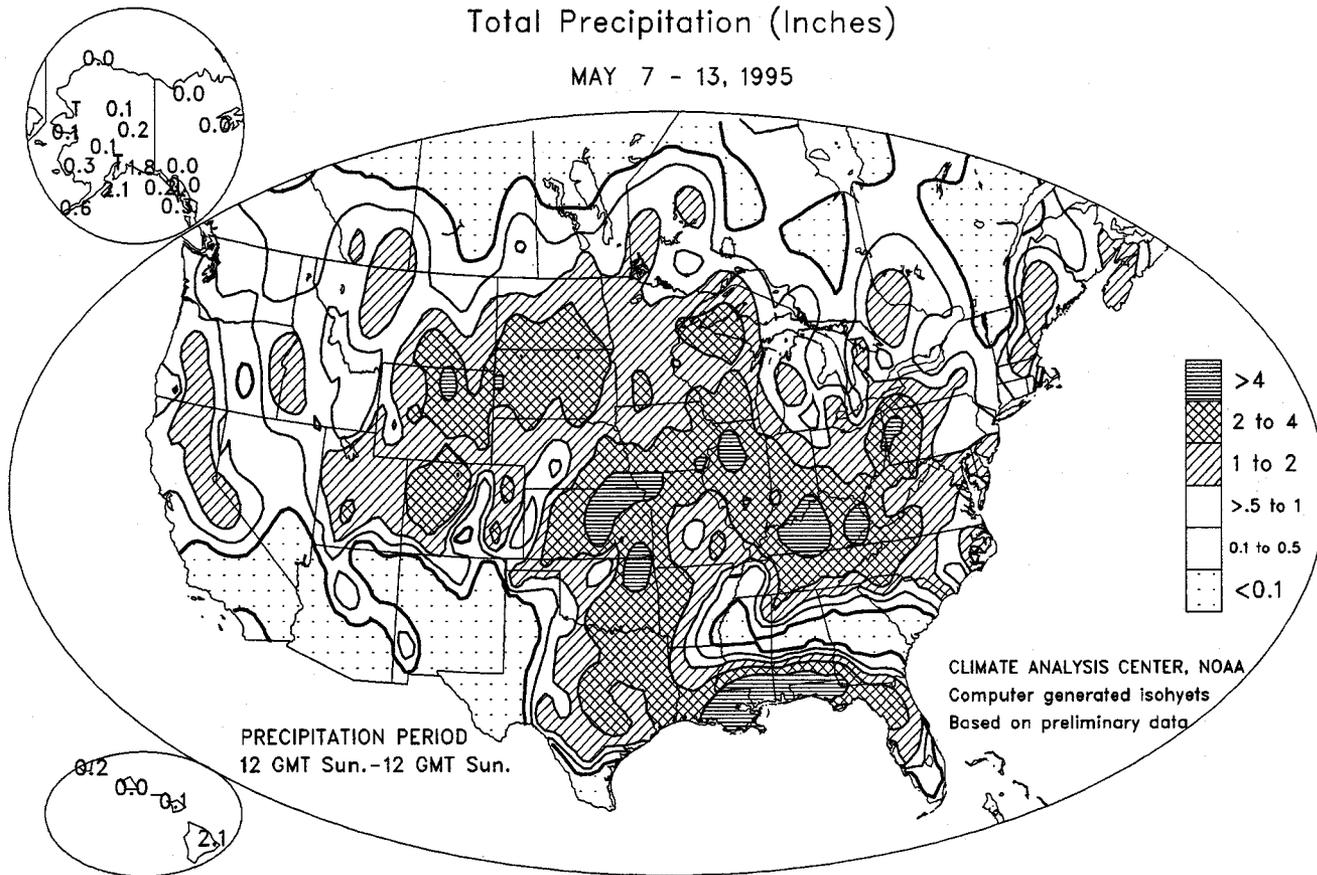
Volume 82, No. 20

Washington, D.C.

May 16, 1995

## Total Precipitation (Inches)

MAY 7 - 13, 1995



CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isohyets  
Based on preliminary data

PRECIPITATION PERIOD  
12 GMT Sun.-12 GMT Sun.

## HIGHLIGHTS

May 7 - 13, 1995

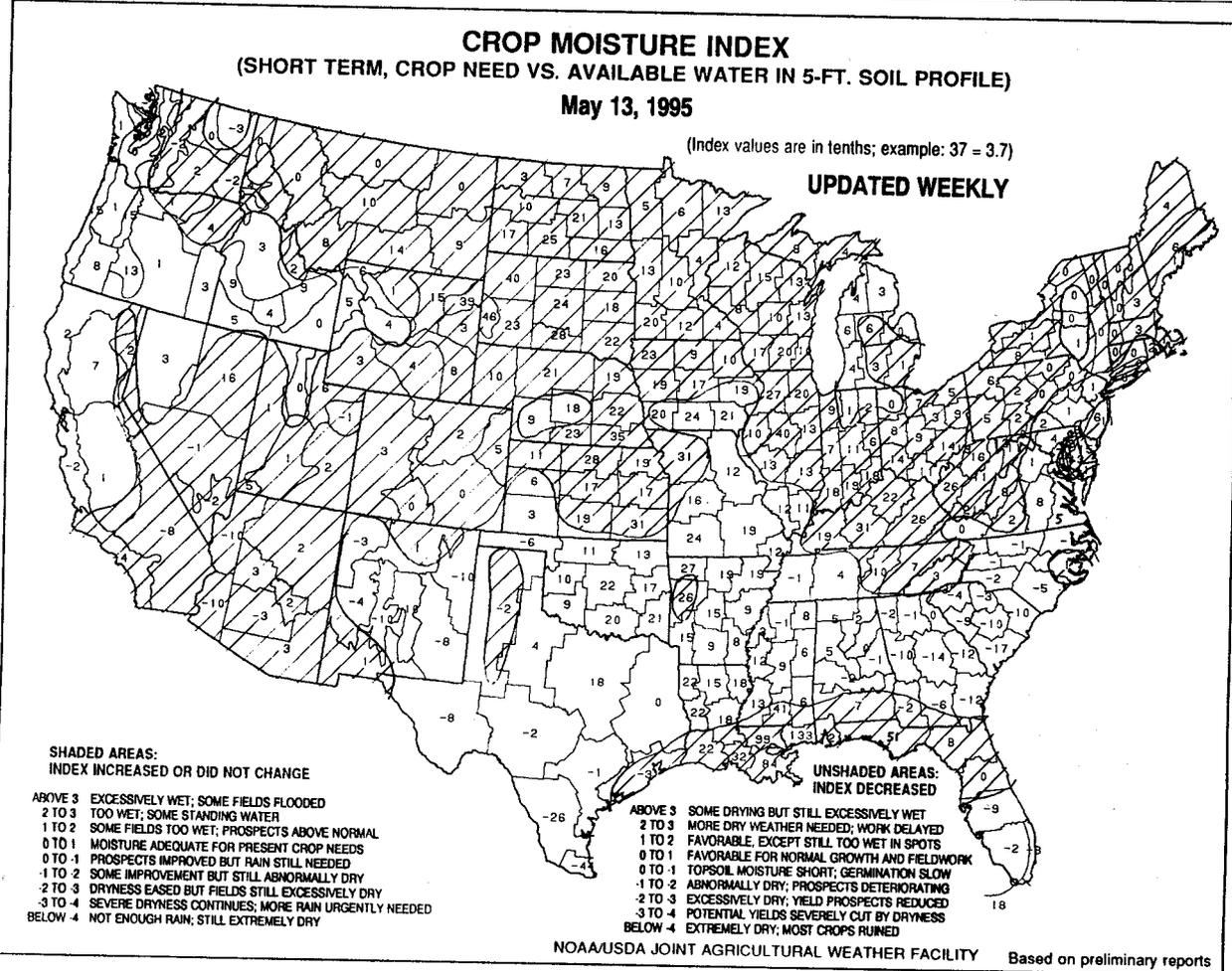
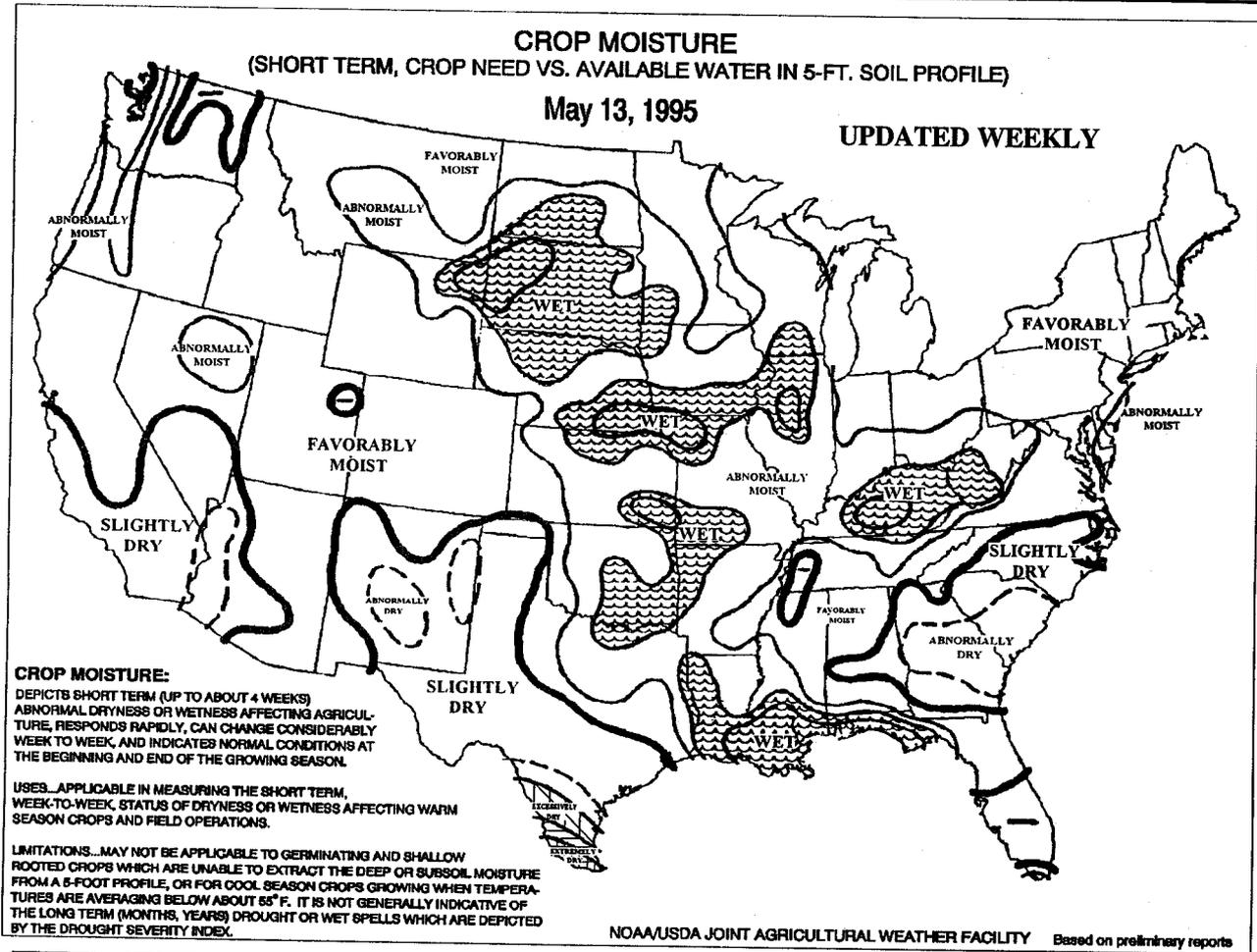
Two storms traveled along a **Great Basin-to-Great Lakes** track, further hindering planting progress and crop development in the **northern Plains** and **Corn Belt**. During the first half of the week, continuous rains and cool conditions beset the **North Central States**, halting fieldwork anew. Farther south, more than 80 tornadic thunderstorms tore across the **southern Plains** and the **Midwest**, while torrential rain spread through the **Plains** and into the **central Gulf Coast region**. Many rivers in the Nation's mid-section, including portions of the main-stem middle Mississippi and lower Missouri, rose above flood stage after the early-week storm. The latter half of the week featured additional heavy rain across the northern half of the Nation. Snow and sub-freezing temperatures were observed in the **northern High Plains**. In contrast, a heat wave gathered strength along the Nation's **southern tier**.

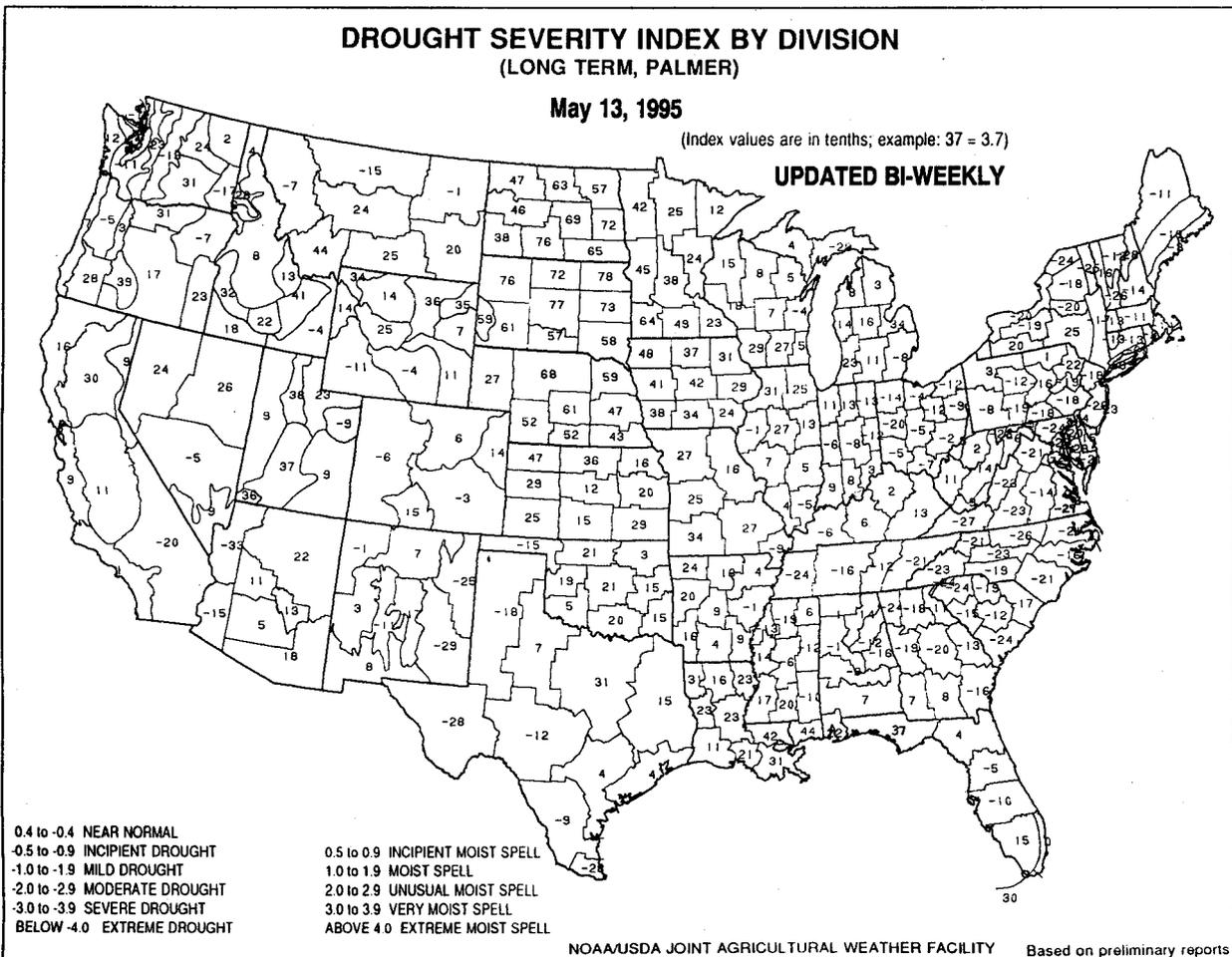
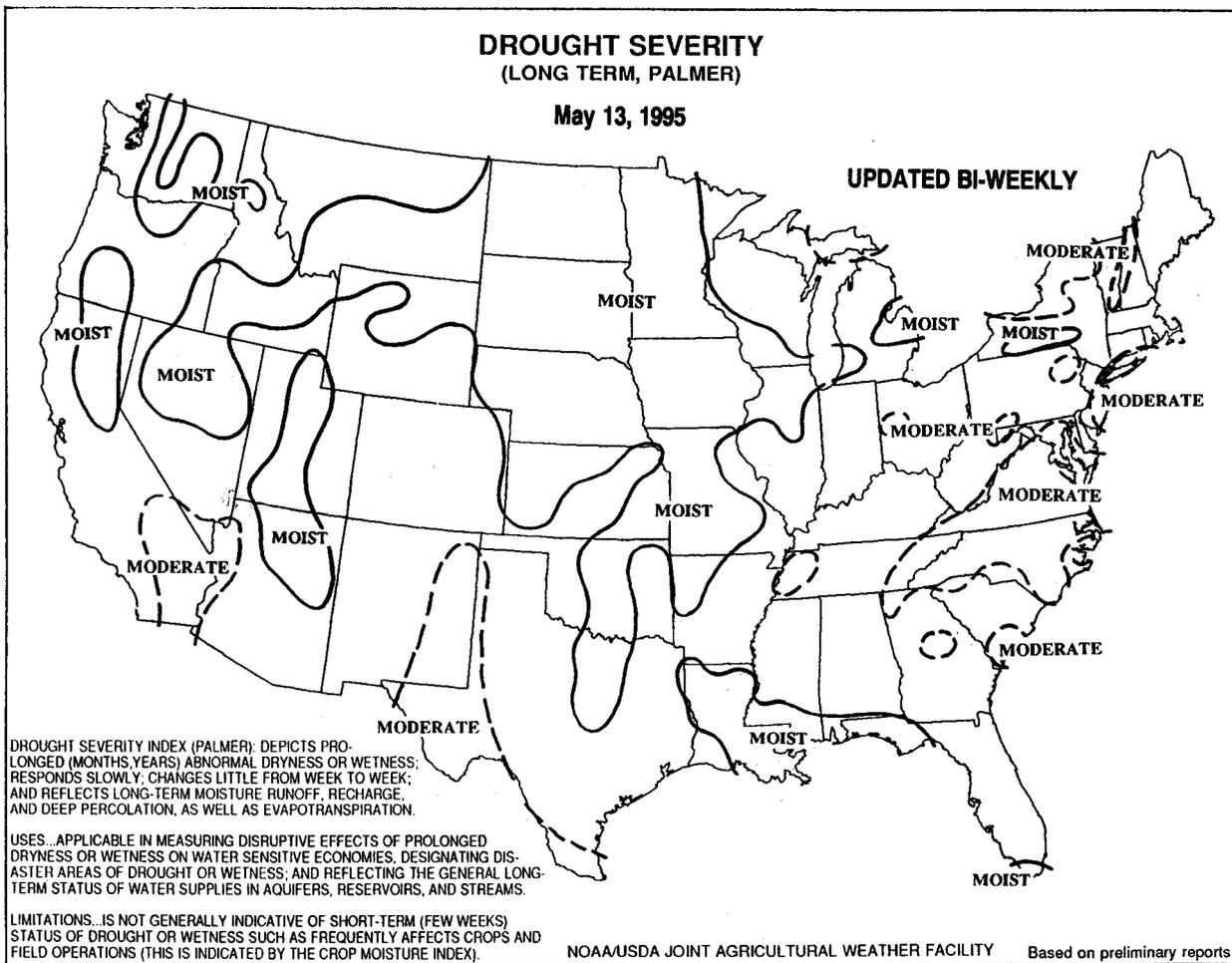
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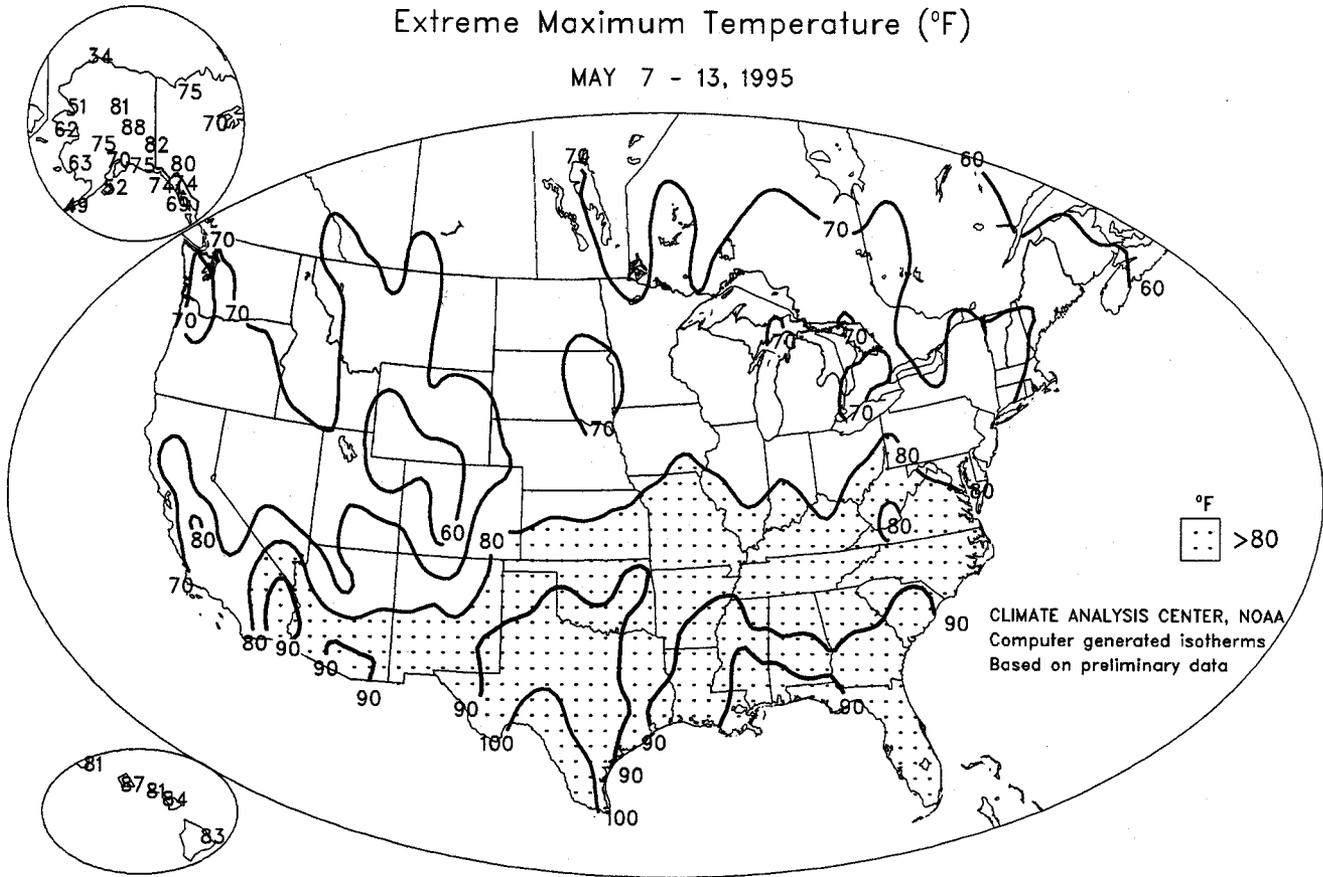
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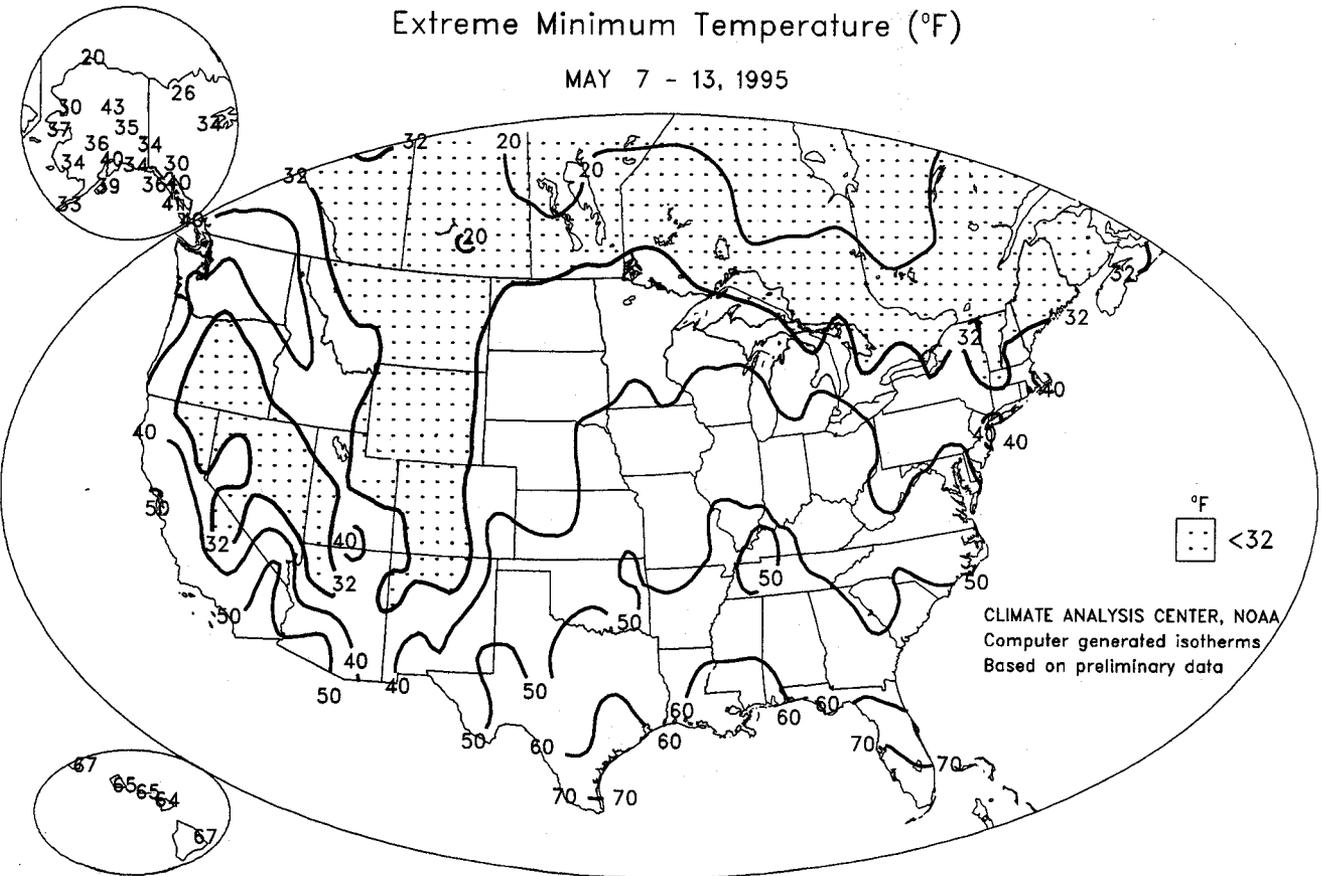
### Extreme Maximum Temperature (°F)

MAY 7 - 13, 1995



### Extreme Minimum Temperature (°F)

MAY 7 - 13, 1995



# National Weather Data for Selected Cities

Weather Data for the Week Ending May 13, 1995

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE	MAXIMUM	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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																				.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	85	63	87	53	74	6	7	-1.1	7	9.0	68	16.6	72	91	53	0	0	0	0	0	0	0	
MOBILE	82	67	88	54	75	2	10.8	9.5	5.4	26.9	203	36.7	157	99	63	0	0	0	0	0	5	3	
MONTGOMERY	87	65	92	55	76	6	7	-1.1	1	8.1	67	20.2	90	93	53	1	0	0	0	0	5	0	
AK ANCHORAGE	58	43	70	40	51	6	7	-1.1	1	1.1	68	2.7	82	86	51	0	0	0	0	0	3	0	
BARRON	33	25	34	20	29	13	7	-1.1	1	1.1	86	9	130	98	88	0	0	7	0	0	0	0	
FAIRBANKS	78	42	88	35	60	14	2	2	2	5	59	1.1	60	92	23	0	0	0	0	0	1	0	
JUNEAU	66	45	74	40	55	10	7	-1.1	1	3.4	45	1	1	93	43	0	0	0	0	0	0	0	
KODIAK	47	40	52	39	44	2	2.1	1	9	15.0	135	29.1	123	99	85	0	0	0	0	6	2	2	
NOHE	55	39	62	37	47	14	1.1	1	1	2.3	153	5.3	182	88	56	0	0	0	0	4	4	0	
AZ PHOENIX	85	60	91	50	73	4	1.1	1	1	1.4	121	3.1	124	47	15	3	3	0	0	1	4	0	
PRESCOTT	66	41	73	30	53	13	2	1	1	1.4	47	4.3	72	60	26	0	0	1	1	0	0	0	
TUCSON	84	54	93	44	69	6	2	1	1	1.0	86	3.7	139	55	12	3	3	0	0	1	0	0	
YUMA	85	60	92	50	72	5	2	1	1	1.0	54	1.9	192	51	15	3	3	0	0	0	0	0	
AR FORT SMITH	77	59	89	54	68	0	1.9	1	1	10.7	106	14.8	101	92	57	0	0	0	0	2	2	1	
LITTLE ROCK	74	58	89	53	68	0	9	1	1	10.7	92	16.5	91	84	53	0	0	0	0	1	1	1	
CA BAKERSFIELD	74	51	79	49	63	0	7	1	1	4.5	262	7.7	210	61	24	0	0	0	0	0	0	0	
FURRERA	57	47	59	46	52	0	7	1	1	19.7	220	33.9	172	82	71	0	0	0	0	3	3	0	
FRESNO	73	52	80	45	63	0	1	1	1	8.0	267	14.4	213	80	28	0	0	0	0	2	2	0	
LOS ANGELES	66	54	68	51	63	0	6	1	1	6.4	229	19.7	256	88	40	0	0	0	0	0	0	0	
KEDDING	66	47	72	39	57	0	6	1	1	20.4	288	44.9	256	92	45	0	0	0	0	6	6	0	
SACRAMENTO	68	48	72	44	58	0	6	1	1	12.1	309	23.3	229	97	52	0	0	0	0	3	3	0	
SAN DIEGO	66	56	68	54	61	0	2	1	1	5.3	199	15.3	254	84	42	0	0	0	0	1	1	0	
SAN FRANCISCO	62	50	65	47	56	0	3	1	1	10.7	233	20.0	165	91	60	0	0	0	0	3	3	0	
CO DENVER	60	40	67	37	50	0	4	1	1	2.9	73	4.0	78	86	39	0	0	0	0	5	5	1	
GRAND JUNCTION	63	42	71	37	52	0	6	1	1	3.9	159	5.1	143	86	41	0	0	0	0	1	1	0	
FURELO	72	38	79	34	55	0	4	1	1	3.4	158	3.6	129	80	22	0	0	0	0	1	1	0	
CT BRIDGEPORT	62	48	70	40	55	0	3	1	1	6.4	70	12.3	79	70	49	0	0	0	0	3	3	0	
HARTFORD	64	43	74	34	54	0	6	1	1	5.4	58	12.4	78	76	46	0	0	0	0	3	3	1	
DC WASHINGTON	74	53	79	48	63	0	1	1	1	9	5.7	77	10.6	83	74	40	0	0	0	0	3	1	
FL PANAMA CITY	83	70	87	64	77	5	2.5	1.7	1.1	10.3	96	14.5	69	97	73	0	0	0	0	3	3	3	
DAYTONA BEACH	88	67	94	58	78	4	9	1	1	4.3	68	7.2	59	93	50	4	0	0	0	3	1	1	
JACKSONVILLE	88	63	95	55	76	3	6	1	1	6.1	82	10.0	70	95	50	1	0	0	0	2	0	0	
KEY WEST	88	79	90	77	84	4	0	1	1	4.7	100	9.0	106	82	65	1	0	0	0	0	0	0	
MIAMI	87	76	91	74	82	4	1	1	1	9.1	124	13.7	119	81	57	2	0	0	0	1	1	0	
ORLANDO	90	68	93	66	79	3	1.1	1	1	5.7	94	8.4	73	89	50	4	0	0	0	3	1	1	
TALLAHASSEE	86	64	90	54	75	3	3.9	3.0	2.7	11.7	100	17.6	80	89	57	2	0	0	0	3	2	2	
TAMPA	92	75	95	71	84	7	2	1	1	3.7	73	9.3	91	88	51	7	0	0	0	2	0	0	
WEST PALM BEACH	89	73	93	69	81	4	7	1	1	5.3	64	8.6	63	83	54	3	0	0	0	1	0	0	
GA ATLANTA	86	65	89	59	76	8	0	1	1	6.2	52	16.3	76	83	46	0	0	0	0	0	0	0	
AUGUSTA	88	58	91	44	73	4	7	1	1	3.0	32	13.3	75	94	42	2	0	0	0	0	0	0	
MACON	87	63	91	51	75	5	2	1	1	3.8	39	15.1	79	92	42	3	0	0	0	2	0	0	
SAVANNAH	86	66	90	57	76	4	1	1	1	1.5	18	8.5	56	88	55	1	0	0	0	2	0	0	
HI HILO	81	70	83	67	76	2	2.1	1	1	16.0	47	22.1	41	90	66	0	0	0	0	5	2	2	
KOHOLAHOLO	85	71	87	65	78	1	7	1	1	2.9	67	9.6	96	75	51	0	0	0	0	0	0	0	
KAHULUI	83	68	84	64	76	0	1	1	1	4.2	85	7.8	65	76	53	0	0	0	0	1	0	0	
LIHUE	79	71	81	67	75	0	2	1	1	5.4	59	12.7	69	75	66	0	0	0	0	1	0	0	
ID BOISE	63	43	72	36	53	0	3	1	1	4.7	155	7.3	132	92	41	0	0	0	0	4	0	0	
LEWISTON	65	48	74	44	56	0	1	1	1	3.0	110	5.0	101	85	41	0	0	0	0	3	0	0	
POCATELLO	58	39	66	34	49	0	2	1	1	5.4	180	7.3	147	90	48	0	0	0	0	4	0	0	
IL CHICAGO	68	50	75	48	59	2	1.8	1.0	1.0	9.0	117	12.6	119	92	47	0	0	0	0	4	1	1	
MOLINE	69	52	78	43	61	1	2.6	1.6	1.1	10.3	119	14.2	124	95	57	0	0	0	0	5	3	3	
PEORIA	70	52	77	43	61	1	4.7	3.9	2.5	11.1	135	14.5	130	95	58	0	0	0	0	6	2	1	
QUINCY	70	53	85	44	62	0	1.6	1.0	1.0	6.4	72	9.6	82	93	59	0	0	0	0	4	1	1	
ROCKFORD	66	50	76	45	58	1	3.2	2.4	1.6	9.2	122	11.1	111	94	63	0	0	0	0	4	2	2	
SPRINGFIELD	73	55	79	49	64	2	1.8	1.0	1.1	8.0	95	12.5	107	91	55	0	0	0	0	5	1	1	
IN EVANSVILLE	77	58	85	50	67	2	2.0	1.0	1.8	11.6	104	17.3	99	86	49	0	0	0	0	2	1	1	
FORT WAYNE	70	47	79	41	59	1	1.1	1	1	8.5	111	11.7	102	84	47	0	0	0	0	3	1	1	
INDIANAPOLIS	71	52	80	46	62	1	1.6	1	1	7.7	84	11.1	79	88	57	0	0	0	0	3	1	1	
SOUTH BEND	69	49	77	44	59	2	1.0	1	1	7.7	93	11.8	95	85	47	0	0	0	0	3	1	1	
IA DES MOINES	67	52	79	44	59	0	4.1	3.2	1.9	13.2	177	14.9	158	92	58	0	0	0	0	4	3	3	
SIOUX CITY	64	50	74	46	57	0	1.5	1	1	9.0	158	9.5	137	94	59	0	0	0	0	5	0	0	
WATERLOO	67	52	80	45	60	2	1.3	1	1	8.5	117	9.4	103	93	55	0	0	0	0	5	1	1	
KS CONCORDIA	65	50	74	41	57	0	3.6	2.6	1.9	8.8	144	9.6	129	98	62	0	0	0	0	5	3	3	
DODGE CITY	71	48	84	41	59	0	2.5	1.8	2.5	7.0	145	7.8	131	90	48	0	0	0	0	1	1	1	
GOODLAND	65	44	74	38	54	0	3	1	1	4.4	118	4.9	108	93	50	0	0	0	0	3	0	0	
TOPEKA	69	54	81	47	61	0	1.9	1	1	8.4	116	10.5	114	94	61	0	0	0	0	4	1	1	
WICHITA	71	53	82	45	62	0	1.1	1	1	7.6	108	8.4	92	95	59	0	0	0	0	2	1	1	
KY BOWLING GREEN	78	58	85	52	68	4	2.9	1.8	2.4	7.5	65	12.6	65	93	61	0	0	0	0	3	2	2	
LEXINGTON	71	54	79	47	63	0	1.7	1	1	10.3	101	17.5	108	84	57	0	0	0	0	3	2	2	
LOUISVILLE	74	57	83	50	66	2	2.0	1	1	7.9	73	12.7	75	79	51	0	0	0	0	3	2	2	
LA BATON ROUGE	86	70	91	67	78	4	4.7	3.6	2.4	25.0	203	34.0	149	100	74	1	0	0	0	5	3	3	
LAKE CHARLES	87	71	92	59	79	5	2.2	1.0	2.2	12.6	143	20.4	120	97	70	1	0	0	0	3	1	1	
NEW ORLEANS	86	71	88	66																			

Weather Data for the Week Ending May 13, 1995

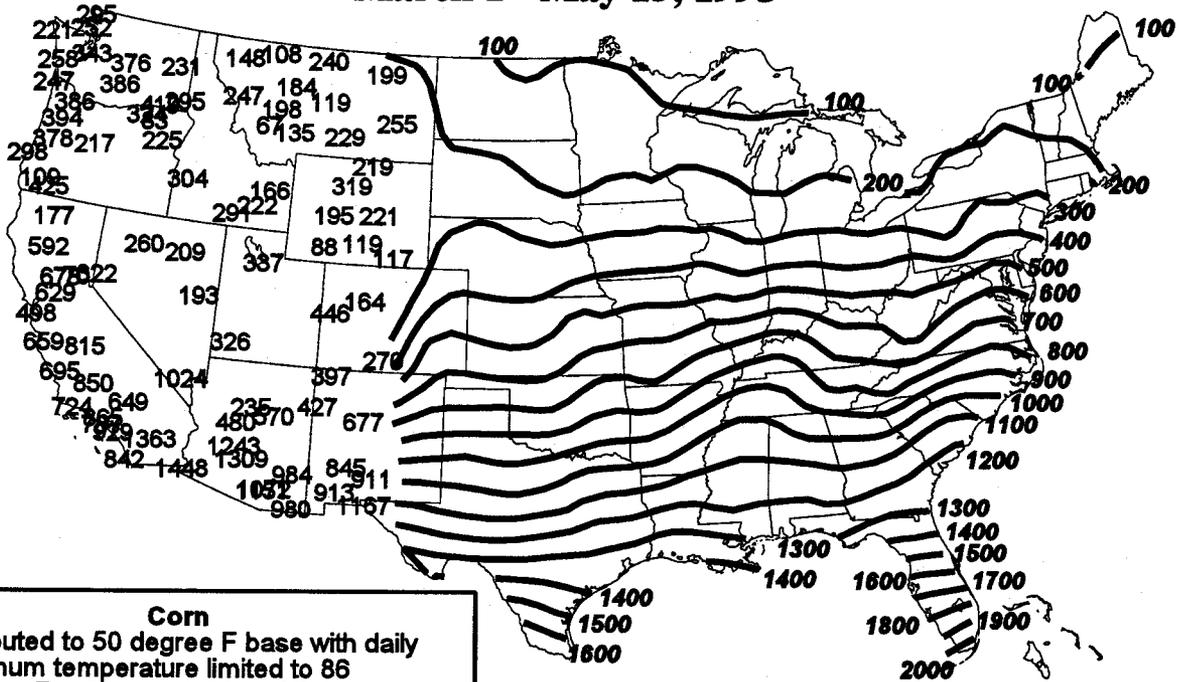
STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS								
	AVERAGE	MAXIMUM	MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	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
ME CARIBOU	58	37	66	27	48	-1	.3	-.4	.1	4.7	77	13.1	125	86	44	0	0	2	2	2	0		
PORTLAND	56	40	65	34	48	-3	1.2	-.4	.5	5.5	59	14.0	86	87	55	0	0	0	0	3	1		
MD BALTIMORE	73	50	80	43	62	0	1.1	-.2	.9	5.7	71	9.9	69	77	41	0	0	0	0	2	1		
SALISBURY	75	48	80	40	62	0	1.1	-.2	.9	6.5	74	10.4	65	95	41	0	0	0	0	3	1		
MA BOSTON	58	45	62	41	51	-.5	1.5	-.3	.5	4.4	50	11.2	71	80	44	0	0	0	0	2	0		
CHATHAM	58	45	62	41	51	-.5	1.5	-.3	.5	4.4	50	11.2	71	80	44	0	0	0	0	2	0		
MI ALPENA	59	39	74	27	49	-1	1.2	-.6	.8	4.2	78	6.9	82	85	50	0	0	2	1	1	0		
DETROIT	66	49	73	45	57	0	1.1	-.1	.4	5.9	88	9.3	91	85	43	0	0	0	0	2	0		
FLINT	65	47	78	42	56	0	1.1	-.1	.4	4.7	76	7.5	85	82	42	0	0	0	0	2	0		
GRAND RAPIDS	66	45	75	37	56	0	1.1	-.1	.4	4.7	76	7.5	85	82	42	0	0	0	0	2	0		
HOUGHTON LAKE	64	42	75	36	53	0	1.1	-.1	.4	6.5	90	10.2	96	86	41	0	0	0	0	3	0		
LANSING	65	44	76	38	55	0	1.1	-.1	.4	5.1	96	7.8	98	86	44	0	0	0	0	3	0		
MARQUETTE	59	39	75	34	49	1	1.4	-.8	.7	5.6	89	9.1	102	90	43	0	0	0	0	2	0		
MUSKEGON	65	46	73	39	55	1	1.4	-.8	.7	7.2	108	11.5	109	87	45	0	0	0	0	4	2		
SADLT ST. MARIE	61	41	75	39	51	2	1.9	-.3	.7	6.4	97	10.5	101	84	46	0	0	0	0	3	1		
MN ALEXANDRIA	59	44	70	39	51	-3	1.0	-.4	.8	6.8	118	10.4	105	95	46	0	0	1	4	1	1		
DULUTH	58	42	71	37	50	1	1.9	1.3	1.3	5.0	107	6.0	96	96	61	0	0	0	4	2	2		
INT'L FALLS	64	42	72	40	53	3	3.1	2.5	2.0	7.4	139	9.8	134	71	41	0	0	0	4	2	0		
MINNEAPOLIS	65	47	72	42	56	0	1.5	0	.4	3.5	99	5.2	103	84	39	0	0	0	3	0	0		
ROCHESTER	64	45	73	37	54	0	1.1	-.2	.7	4.9	87	5.5	74	89	45	0	0	0	2	1	1		
MS GREENWOOD	87	64	92	54	75	5	1.1	-1.2	1.1	13.7	105	19.5	87	87	46	2	0	0	2	1	0		
JACKSON	83	64	89	60	74	4	1.5	-.8	.5	16.4	118	22.1	91	93	56	0	0	0	1	1	1		
MERIDIAN	86	66	90	60	76	6	1.0	-1.1	1.0	14.6	103	22.0	89	94	55	1	0	0	1	1	1		
MO CAFE GIRARDEAU	76	57	85	50	67	1	1.2	0	1.0	9.1	78	16.1	90	94	53	0	0	0	2	1	1		
COLUMBIA	72	52	88	42	62	1	2.1	1.0	1.6	11.5	132	18.1	150	96	61	0	0	0	3	1	1		
KANSAS CITY	68	53	81	46	61	-2	2.7	1.6	2.1	7.0	91	9.8	99	92	63	0	0	0	6	1	1		
SAINT LOUIS	75	58	88	55	67	2	1.1	-.2	.7	8.7	99	14.4	114	91	46	0	0	0	5	1	1		
SPRINGFIELD	72	54	87	46	63	1	1.0	-1	.6	12.5	129	18.0	134	94	53	0	0	0	4	1	1		
MT BILLINGS	57	40	69	29	48	-5	2.8	2.2	1.8	6.6	168	7.5	135	93	43	0	1	6	1	4	1		
GLASGOW	64	42	76	29	53	0	1.3	-1	.1	2.4	140	3.0	126	92	44	0	1	4	0	0	0		
GREAT FALLS	57	38	69	30	47	-4	1.8	1.2	.9	5.1	145	5.2	104	98	56	0	2	4	2	2	0		
HAVRE	61	42	73	26	51	-1	1.6	1.2	.2	3.2	142	3.4	109	91	48	0	1	3	0	0	0		
HELENA	56	40	68	32	48	-3	2.1	1.7	.9	4.4	187	4.5	132	94	54	0	2	6	2	2	0		
KALISPELL	60	41	69	32	50	0	1.5	1	.3	3.7	132	5.3	97	90	43	0	1	3	0	0	0		
MILES CITY	63	43	76	31	53	-2	1.7	1.2	.7	3.2	113	3.6	93	95	50	0	1	1	1	1	1		
MISSOULA	62	41	74	35	51	1	1.4	0	.3	2.2	85	3.4	74	89	42	0	0	4	0	0	0		
NE GRAND ISLAND	62	47	70	39	55	-4	1.4	1.5	.8	7.0	119	7.7	109	98	63	0	0	4	1	1	1		
LINCOLN	65	51	77	45	58	-2	2.6	1.7	1.7	10.1	158	11.3	148	96	65	0	0	5	1	1	1		
NORFOLK	61	48	71	45	55	-4	2.9	2.2	2.1	10.6	191	11.5	169	96	64	0	0	6	1	1	1		
NORTH PLATTE	62	44	71	35	53	-3	1.4	1.3	.2	5.1	112	5.3	99	94	56	0	0	4	0	0	0		
OMAHA	65	51	77	44	58	-2	2.5	1.5	1.2	10.4	160	11.7	146	95	59	0	0	5	2	2	0		
SCOTTSBLUFF	60	42	70	33	51	-3	1.4	1.0	1.0	4.5	120	6.2	132	94	51	0	0	3	1	1	1		
VALENTINE	62	43	75	33	52	-5	1.1	1.4	.7	6.0	125	6.6	113	89	53	0	0	5	1	1	1		
NV ELY	53	32	61	29	43	-6	1.9	1.6	.6	3.9	162	5.5	144	94	49	0	5	5	1	1	1		
LAS VEGAS	80	57	87	52	68	-3	1.0	-1	0	4	53	3.5	203	41	17	0	0	0	0	0	0	0	
RENO	60	39	68	33	49	-5	1.5	1.3	.2	4.0	292	7.5	217	79	33	0	0	2	0	0	0	0	
WINNEVOCCA	59	36	65	32	48	-6	1.2	1.0	.2	4.0	204	5.6	169	92	44	0	1	3	0	0	0	0	
NH CONCORD	62	39	75	31	50	-3	1.1	1.3	1.0	5.2	75	10.6	89	85	43	0	1	3	1	1	1		
NJ ATLANTIC CITY	69	44	74	34	56	-2	1.5	1.7	1.4	5.1	58	9.7	64	86	46	0	0	2	1	1	1		
NM ALBUQUERQUE	75	48	83	42	62	-1	1.7	1.1	1.0	9	72	1.8	83	52	16	0	0	0	0	0	0	0	
CLOVIS	81	50	89	46	65	2	1.0	-.4	0	8	39	1.3	45	70	14	0	0	0	0	0	0	0	
ROSWELL	84	56	92	49	70	2	1.0	-.2	0	4	34	1.5	26	37	16	3	0	0	0	0	0	0	
NY ALBANY	64	43	72	30	54	-2	1.2	1.6	.2	4.5	61	8.5	71	84	46	0	1	1	0	0	0	0	
BINGHAMTON	61	43	70	33	52	-2	1.5	1.3	.4	4.7	64	9.7	80	80	51	0	0	0	3	0	0	0	
BUFFALO	65	45	80	37	55	0	1.0	-.3	.4	3.7	55	11.2	95	80	45	0	0	0	3	0	0	0	
NEW YORK	65	50	71	47	58	-2	1.2	1.7	.2	3.7	41	10.4	70	74	46	0	0	0	3	0	0	0	
ROCHESTER	64	45	74	36	55	-1	1.8	1.2	.3	3.2	52	7.2	71	81	48	0	0	0	3	0	0	0	
SYRACUSE	64	44	72	33	54	-1	1.7	1.0	.4	3.9	52	7.9	66	88	48	0	0	0	3	0	0	0	
NC ASHEVILLE	75	50	80	42	63	1	2.4	1.3	2.2	6.9	59	16.8	84	96	49	0	0	2	1	1	1		
CHARLOTTE	80	59	84	51	69	4	1.3	-.6	.2	5.0	58	13.8	85	84	44	0	0	3	0	0	0	0	
GREENSBORO	78	57	84	47	68	3	1.8	1.1	.6	4.2	52	10.7	73	82	45	0	0	3	1	1	1		
HATTERAS	75	56	80	44	66	0	1.5	1.4	.5	3.3	35	18.0	95	85	43	0	0	2	0	0	0	0	
NEW BERN	81	59	89	50	70	2	1.6	1.4	.6	3.2	36	6.8	39	94	43	0	0	1	1	1	1		
RALEIGH	79	55	86	45	67	2	1.5	1.4	.4	5.2	66	14.2	94	91	27	0	0	3	0	0	0	0	
WILMINGTON	81	61	87	50	71	4	1.7	1.2	.4	6.3	70	13.7	86	93	48	0	0	2	1	1	1		
ND BISMARCK	63	43	74	37	53	0	2.3	1.9	1.5	5.8	178	6.5	156	95	61	0	0	5	1	1	1		
FARGO	61	45	74	39	53	-1	1.4	1.8	.6	4.9	129	6.3	127	91	63	0	0	4	1	1	1		
GRAND FORKS	60	44	73	36	52	-1	1.5	1.0	1.0	3.7	122	4.5	105	94	66	0	0	4	1	1	1		
WILLISTON	65	43	78	33	54	1	1.7	1.3	.4	3.0	110	4.1	111	93	50	0	0	3	0	0	0	0	
OH AKRON-CANTON	66	48	79	41	57	0	1.8	1.0	.5	5.9	73	12.2	98	86	43	0	0	3	1	1	1		
CINCINNATI	71	53	77	45	62	1	1.9	1.0	1.2	9.8	101	15.1	101	87	55	0	0	3	2	2	2		
CLEVELAND	67	50	78	43	59	3	1.8	1.0	.6	6.8	92	14.4	123	89	50	0	0	2	1	1	1		
COLUMBUS	70	48	79	40	59	1	1.1	1.1	.9	6.4	76	12.5	100	87	42	0	0	2	1	1	1		
DAYTON	69	50	74	45	60	0	2.2	1.4	1.4	11.2	131	15.0	118	8									

Weather Data for the Week Ending May 13, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	68	48	75	44	58	2	.6	.0	.4	7.0	103	10.7	104	89	47	0	0	0	0	
YOUNGSTOWN	67	47	79	39	57	2	.5	.0	.4	7.0	103	10.7	104	89	47	0	0	0	0	
OK OKLAHOMA CITY	75	55	89	48	65	-2	1.8	.3	1.9	63	8.8	75	87	45	0	0	0	0	0	
TULSA	75	58	92	51	66	-1	1.8	.6	1.9	63	8.8	75	87	45	0	0	0	0	0	
OR ASTORIA	59	44	66	39	51	0	4.4	3.1	4.1	120	10.4	101	96	61	1	0	0	1	1	
BURNS	56	35	62	28	46	-4	1.0	.3	.5	16.6	14.2	14.9	89	49	0	0	0	2	2	
MEDFORD	65	44	72	38	54	-3	.2	.1	.1	4.1	197	7.4	194	82	37	0	0	3	3	
PENDLETON	63	46	72	38	55	-3	.2	.1	.1	5.7	164	11.6	143	92	44	0	0	1	1	
PORTLAND	65	48	75	43	56	-2	.7	.4	.2	5.2	193	8.8	165	88	46	0	0	5	5	
SALEM	64	45	72	41	55	-2	.7	.4	.2	9.0	131	17.7	110	89	47	0	0	4	4	
PA ALLENTOWN	67	47	76	42	55	-2	.5	.1	.3	10.2	137	23.1	130	93	47	0	0	4	4	
ERIE	65	47	82	39	56	-1	.8	.0	.3	6.7	79	12.8	87	75	44	0	0	4	4	
HARRISBURG	69	49	75	43	59	-1	.3	.7	.2	6.3	82	11.3	93	85	45	0	0	4	4	
PHILADELPHIA	70	51	76	47	62	1	.6	.4	.4	4.6	51	10.2	65	75	48	0	0	3	3	
PITTSBURGH	70	48	83	38	59	2	.7	.1	.6	4.4	55	8.4	65	76	36	0	0	2	2	
SCRANTON	67	47	76	38	57	0	.3	.5	.1	4.0	57	8.1	72	77	43	0	0	3	3	
RI PROVIDENCE	61	45	69	40	53	-2	.4	.4	.4	6.6	68	13.4	78	77	49	0	0	2	2	
SC CHARLESTON	87	66	92	55	76	7	2	.8	2	2.5	30	10.2	67	92	48	2	2	0	0	
COLUMBIA	89	60	93	47	74	9	.0	.8	0	2.9	31	14.1	78	85	31	4	4	0	0	
FLORENCE	88	62	91	51	75	9	.2	.6	.2	2.3	28	13.1	87	95	39	3	3	1	1	
GREENVILLE	80	58	83	51	69	3	.4	.6	.4	5.1	46	16.6	85	88	44	0	0	2	2	
SD ABERDEEN	59	45	68	37	52	-3	4.3	3.7	3.4	9.0	223	10.1	193	96	74	0	0	5	5	
BURON	59	47	64	36	53	-3	3.0	2.3	1.1	11.9	246	12.7	213	96	71	0	0	5	2	
RAPID CITY	61	43	73	36	52	-1	2.4	1.9	1.3	6.9	173	7.5	154	91	58	0	0	5	2	
SIOUX FALLS	61	47	69	40	54	-2	2.0	1.3	1.0	12.5	233	12.8	196	97	57	0	0	5	2	
TN CHATTANOOGA	82	57	87	54	70	4	.6	.4	.5	7.3	59	19.1	87	94	42	0	0	3	1	
KNOXVILLE	78	55	84	47	66	3	1.5	.6	1.2	8.1	77	17.6	94	95	51	0	0	3	1	
MEMPHIS	81	61	87	53	71	1	2	-1.2	2	6.2	47	15.4	73	93	49	0	0	0	0	
NASHVILLE	80	58	85	51	69	3	1.0	.2	1.0	9.6	84	17.0	91	90	50	0	0	1	1	
TX ABILENE	83	58	93	51	70	-1	.8	.2	.8	5.9	133	7.6	115	81	31	1	0	2	1	
AMARILLO	79	51	87	44	65	1	.5	.0	.5	2.8	101	3.1	80	72	21	0	0	1	1	
AUSTIN	84	67	91	58	76	1	2.0	1.0	2.0	7.4	117	9.6	95	88	56	1	0	2	1	
BEAUMONT	86	69	93	56	77	3	2.0	.7	1.9	9.6	106	17.0	99	99	68	1	0	2	1	
BROWNSVILLE	91	76	96	73	84	5	.0	.6	.0	.6	19	1.4	23	93	54	6	0	0	0	0
CORPUS CHRISTI	87	72	92	62	80	3	.4	.4	.3	5.7	144	8.6	114	93	63	2	0	2	0	0
DEL RIO	92	65	104	56	78	3	1.3	.5	.9	3.1	65	3.4	47	85	37	5	0	3	1	1
EL PASO	83	58	90	48	70	0	.0	.1	.0	.5	79	1.6	112	33	12	1	0	0	0	0
FORT WORTH	81	63	92	55	72	2	2.7	1.5	1.4	20.4	228	23.0	174	86	55	1	0	2	2	2
GALVESTON	83	74	90	64	78	4	1.1	.3	1.1	6.7	111	7.9	69	93	71	1	0	1	1	1
HOUSTON	86	69	91	61	78	4	1.8	.7	1.7	8.5	98	17.0	106	97	58	3	0	3	1	1
LUBBOCK	83	55	92	49	69	2	.0	.5	.0	2.3	85	2.9	77	75	19	2	0	0	0	0
MIDLAND	86	58	95	51	72	0	2	.5	2	1.0	49	2.5	78	71	18	2	0	1	0	0
SAN ANGELO	87	58	100	48	72	0	.8	.2	.6	4.6	122	7.7	137	78	29	2	0	2	1	1
SAN ANTONIO	89	68	97	57	78	4	1.2	.3	1.2	2.9	51	4.4	47	89	46	4	0	1	1	1
VICTORIA	86	70	92	61	78	3	.5	.5	.5	5.4	80	6.5	51	94	56	2	0	1	0	0
WACO	81	62	89	57	71	-2	2.5	1.5	2.3	15.8	213	17.8	159	96	61	0	0	3	1	1
WICHITA FALLS	81	58	92	52	70	0	.0	-1.0	.0	5.7	80	6.7	64	84	44	1	0	0	0	0
UT CEDAR CITY	63	35	69	26	49	-5	2	.2	2	4.0	139	5.4	121	88	33	0	2	1	0	0
SALT LAKE CITY	60	41	69	34	50	-6	1.5	1.1	.7	6.4	132	9.3	128	90	45	0	0	4	2	2
VT BURLINGTON	62	43	71	31	52	-2	.1	.6	.0	4.0	64	7.2	74	76	44	0	1	2	0	0
VA NORFOLK	76	56	88	46	66	2	.5	.4	.3	7.3	88	12.5	80	85	41	0	0	4	0	0
RICHMOND	77	52	84	43	64	0	.6	.3	.5	7.0	86	11.3	77	83	20	0	0	2	1	1
ROANOKE	74	50	82	41	62	-1	1.7	.8	1.2	5.1	61	14.3	101	87	43	0	0	2	1	1
WA QUILLAYUTE	60	45	74	38	53	3	.7	.6	.3	17.0	79	42.1	87	95	64	0	0	4	0	0
SEATTLE-TACOMA	64	49	71	43	56	3	.3	.1	.2	7.0	105	16.4	103	97	52	0	0	3	0	0
SPOKANE	64	45	73	38	54	2	.3	.0	.2	6.0	186	10.4	155	92	41	0	0	4	0	0
YAKIMA	67	43	73	31	55	-1	.1	.0	.1	2.2	160	4.5	136	87	33	0	2	2	0	0
WV BECKLEY	68	48	77	40	58	0	1.1	.2	.6	6.7	79	14.6	102	84	48	0	0	3	1	0
CHARLESTON	72	47	82	40	60	-2	.8	.1	.4	7.3	85	16.3	112	96	55	0	0	3	0	0
HUNTINGTON	71	49	84	45	60	0	1.7	.7	.8	8.9	100	16.4	109	89	49	0	0	3	2	2
PARKERSBURG	71	50	82	40	61	-1	...	...	...	...	...	...	...	93	41	0	0	0	0	0
WI GREEN BAY	63	46	76	41	54	1	1.7	1.1	1.0	5.8	105	6.9	89	82	47	0	0	4	1	1
LACROSSE	66	49	76	43	58	0	...	...	...	...	...	...	...	88	48	0	0	0	0	0
MADISON	66	49	76	44	57	1	2.2	1.5	1.0	8.5	127	10.7	120	82	49	0	0	4	2	2
MILWAUKEE	62	48	74	43	55	3	1.8	1.1	.9	7.4	100	9.8	93	83	53	0	0	4	2	2
WAUSAU	62	44	74	39	53	-1	1.3	.5	.6	5.0	81	5.7	72	86	44	0	0	3	1	1
WY CASPER	55	36	65	29	46	-5	4.1	3.6	1.9	6.5	189	8.2	181	93	57	0	1	5	3	3
CHEYENNE	55	36	64	30	45	-5	1.6	1.1	1.1	4.3	130	5.5	133	90	54	0	1	4	1	1
LANDER	56	38	62	29	47	-4	1.3	.8	.6	6.3	149	7.9	148	91	44	0	1	4	2	2
SHERIDAN	56	38	68	29	47	-4	2.4	1.9	1.3	5.4	147	7.2	143	92	59	0	1	6	1	1
PR SAN JUAN	86	75	88	73	81	0	.1	-1.3	.0	5.5	64	12.6	93	86	62	0	0	3	0	0

Based on 1961-90 normals.

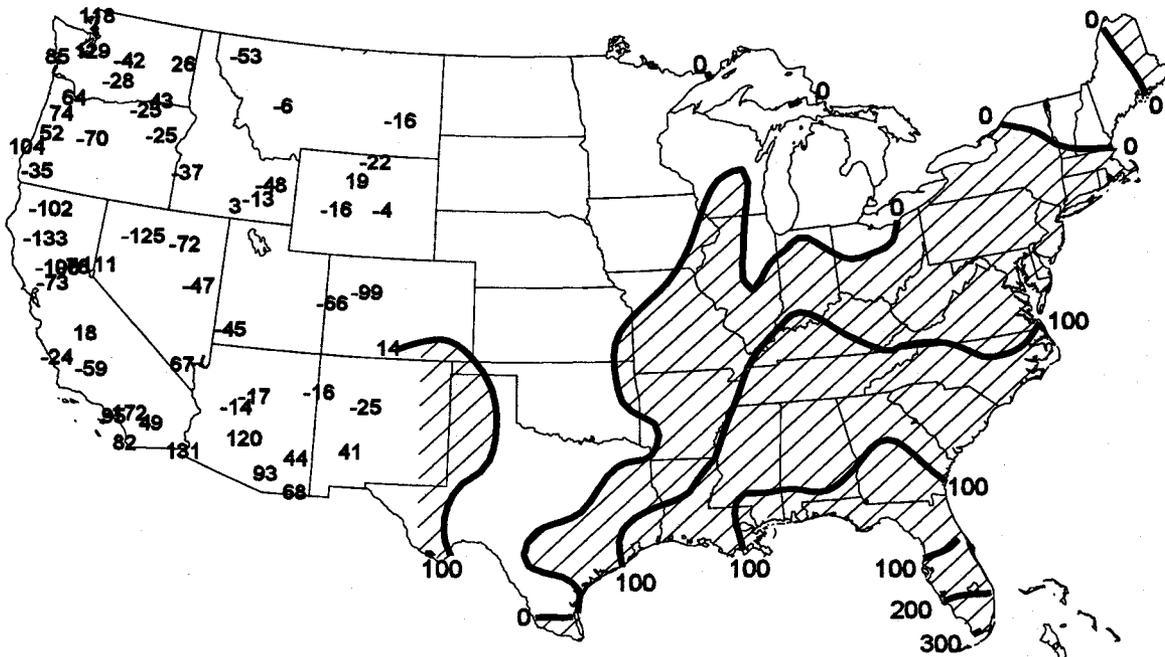
### Total Growing Degree Days March 1 - May 13, 1995



**Corn**  
 Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
 Based on preliminary data

### Growing Degree Days Departure from Normal March 1 - May 13, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
 Based on preliminary data

# National Agricultural Summary

May 8 - 14, 1995

**HIGHLIGHTS:** Torrential rains flooded fields in the Delta and left topsoil soaked throughout the upper and middle Mississippi Valley. Recurring storm systems saturated fields across the central Great Plains and Midwest, delaying row crop planting. Fewer than 2 days were suitable for fieldwork in many Midwestern States. Iowa reported the wettest week of the year. Low temperatures in the Great Plains slowed crop development and left the soil too cool for planting. In the Southeastern States, continued short supply of soil moisture raised concern for poor germination and caused some producers to delay planting.

The Nation's winter wheat crop was in mostly good to fair condition with 46 percent (%) of the acreage heading, 1 percentage point behind the 5-year average. Heading was behind normal in Kansas and Oregon by more than 10 points, but was ahead of normal in Illinois and Indiana by over 25 points. In Kansas, 41% of the acreage was headed, while in Texas 79% of the acreage was headed. Winter wheat condition in Texas was mostly poor to fair. Rain in central Texas helped wheat heads fill, and some fields were beginning to turn color. Wheat condition in the Texas High Plains continued to decline. Some Arkansas wheat fields were destroyed due to flooding. Excessive moisture in South Dakota was drowning wheat plants and causing leaves to yellow. Wheat rated as good to excellent in California rose by 15 points from 70% last week to 85% this week. Cool weather and water-logged fields slowed wheat development in Kansas. Wheat harvest in southern Georgia was beginning.

Spring wheat seeding continued to lag at 28% complete, up 5 points from last week but 56 points below the average. Small grain planting in North Dakota was 3 weeks behind normal due to saturated fields. Surplus topsoil moisture was reported by 84% of the reporters in South Dakota, where cool soil and wet fields prevailed. Spring wheat planted in North Dakota was 12% complete, 67 points behind the average, while in South Dakota, 18% of the acreage was seeded, 78 points behind the average.

Corn planted was 36% complete for the 17 major producing States, 39 points behind last year and 28 points below the average. Persistent rain and cool weather delayed corn planting in the Corn Belt States, where corn planted was 31% complete, half of the acreage normally completed at this time. Illinois and Iowa increased corn planted from last week by 20 points, but were 31 and 35 points behind the average, respectively. Corn planted in Nebraska was 11% complete, 61 points behind the average.

Cotton planting was 52% complete, up 13 points from last week and 2 points behind the average for the Nation. California and Tennessee both increased cotton planting 30 points from last week. Arkansas cotton planting was 28% complete, up 10 points from last week.

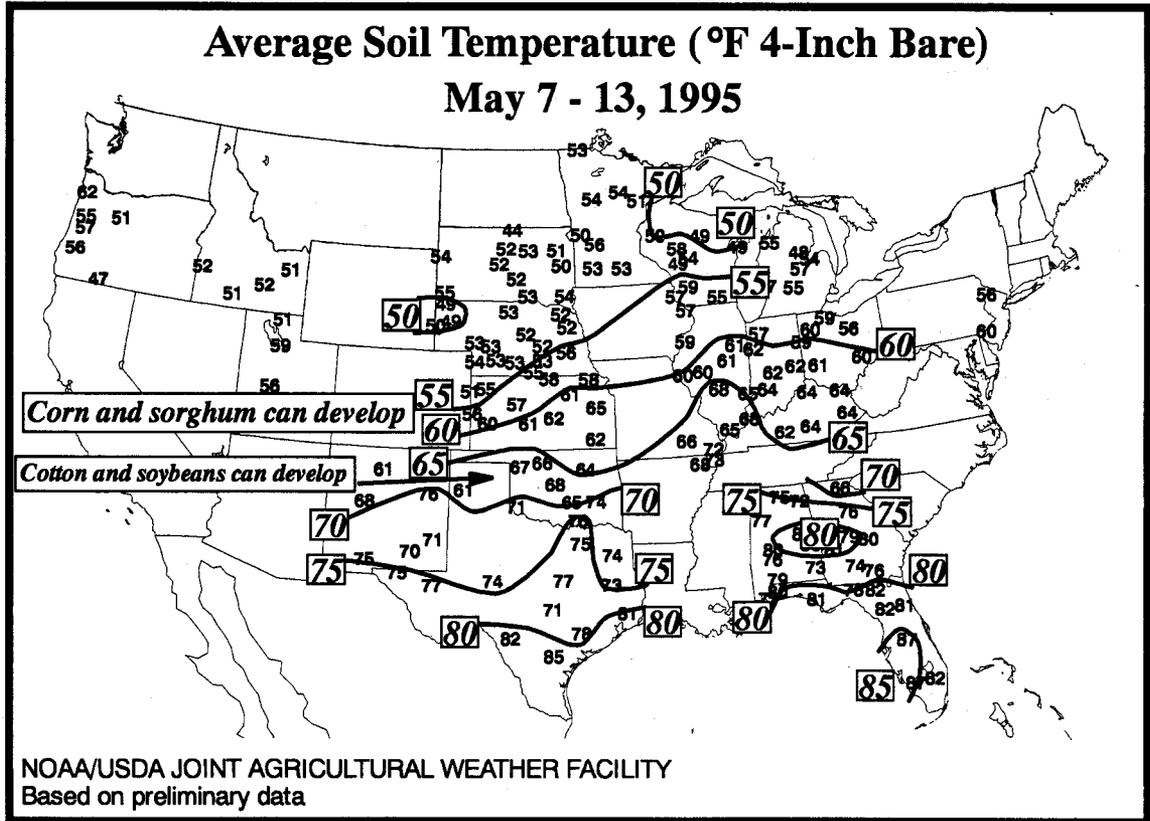
Texas cotton planting progressed to 33% complete, up 4 points from last week and 4 points behind the average. Cool weather in California slowed cotton development in the San Joaquin Valley. Rains in Louisiana loosened soils and aided emerging cotton plants. Some cotton fields in Mississippi were replanted due to the adverse weather. Thrips and high counts in boll weevil traps were reported in Mississippi. Warmer weather was needed in Texas for the cotton already in the ground, while cotton producers in south Texas were spraying for bollworms.

Sorghum planting was 26% complete for the 12 major producing States, up 2 points from last week but 4 points below the average. Land preparation was nearing completion in Texas' High Plains, while some fields were heading in the Coastal Bend but were stressed by hot, dry weather. Planting had not started in Nebraska due to wet fields, and was behind the average by 10 points.

Rice seeding was 74% complete, 10 points ahead of the average for the 5 major producing States. Rice planting in California at 20% complete fell 22 points behind the average due to rains and cool weather. Mississippi rice planting was 96% complete, up 11 points from last week and 35 points ahead of the average. Louisiana rice producers were applying fertilizer and herbicides as the weather permitted. In the five major producing States, 59% of the rice had emerged, 14 points ahead of the average. Rice was 86% emerged in Mississippi, 43 points ahead of the average.

Soybean planting was 7% complete, 12 points behind normal. Rain and wet fields slowed planting in the Corn Belt, but planting was near normal in the Delta. Planting lagged more than 20 points in Illinois and Iowa, where wet fields limited planting progress.

**Range and Pasture:** Pasture feed condition for the Nation was rated 62% good to excellent. Excess moisture and cool weather slowed pasture growth across the Central States. Pastures in the Southeastern States were stressed by continued dry conditions.



## Crop Progress and Condition

### Week Ending May 14, 1995

#### Corn Percent Planted

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
CO	29	13	76	73
GA	99	98	99	98
IL	36	16	68	67
IN	42	17	62	62
IA	30	10	96	65
KS	33	29	91	83
KY	74	69	62	62
MI	27	12	46	45
MN	50	33	74	60
MO	27	26	66	53
NE	11	5	86	72
NC	95	94	95	93
OH	46	21	77	71
PA	45	30	38	39
SD	2	1	47	47
TX	95	90	95	95
WI	37	12	61	44
ALL	36	20	75	64

These 17 States produced 91% of the 1994 corn crop.

#### Rice Percent Planted

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	79	70	88	59
CA	20	10	43	42
LA	90	87	86	83
MS	96	85	99	61
TX	83	75	95	88
ALL	74	66	83	64

These 5 States produced 96% of the 1994 rice crop.

#### Cotton Percent Planted

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AL	76	60	73	72
AZ	95	94	96	93
AR	28	18	72	53
CA	90	60	98	97
GA	74	61	81	62
LA	83	70	92	73
MS	66	45	95	62
MO	22	6	64	47
NM	66	58	73	83
NC	70	44	69	67
OK	10	5	14	16
SC	67	44	86	72
TN	50	20	65	45
TX	33	29	34	37
ALL	52	39	62	54

These 14 States produced 99% of the 1994 cotton crop.

#### Rice Percent Emerged

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	61	51	65	39
CA	5	0	13	9
LA	79	78	79	74
MS	86	65	85	43
TX	67	62	76	67
ALL	59	51	63	45

These 5 States produced 96% of the 1994 rice crop.

#### Sorghum Percent Planted

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	60	49	79	56
CO	1	1	15	10
IL	0	0	1	9
KS	2	1	9	9
LA	61	48	65	65
MS	74	67	75	59
MO	13	9	24	19
NE	0	0	11	10
NM	3	1	5	19
OK	9	8	24	14
SD	0	0	3	5
TX	73	68	74	70
ALL	26	24	33	30

These 12 States produced 98% of the 1994 sorghum crop.

#### Spring Wheat Percent Planted

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
ID	86	82	98	89
MN	28	15	77	87
MT	65	63	86	85
ND	12	8	66	79
SD	18	17	93	96
ALL	28	23	76	84

These 5 States produced 98% of the 1994 spring wheat crop.

# Crop Progress and Condition

Week Ending May 14, 1995

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

Soybeans Percent Planted				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AL	21	NA	19	16
AR	7	NA	14	8
GA	15	NA	19	13
IL	3	NA	19	24
IN	13	NA	23	24
IA	2	NA	48	24
KS	1	NA	13	11
KY	8	NA	6	7
LA	26	NA	19	15
MI	4	NA	9	13
MN	7	NA	32	24
MS	37	NA	39	16
MO	0	NA	13	9
NE	0	NA	25	15
NC	12	NA	17	16
OH	14	NA	40	31
SC	8	NA	12	11
SD	0	NA	11	11
TN	6	NA	5	5
ALL	7	NA	25	19
These 19 States produced 94% of the 1994 soybean crop.				

Winter Wheat Percent Headed				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	99	97	96	93
CA	98	97	98	97
CO	7	0	3	16
GA	100	97	100	99
ID	0	0	0	1
IL	55	17	21	29
IN	43	14	12	16
KS	41	21	55	52
MI	0	0	0	0
MO	47	34	26	40
MT	0	0	0	0
NE	0	0	0	4
NC	93	92	96	92
OH	1	0	1	3
OK	96	83	96	89
OR	0	0	21	14
SD	0	0	0	0
TX	79	67	75	77
WA	0	0	14	7
ALL	46	35	48	47
These 19 States produced 92% of the 1994 winter wheat crop.				

Winter Wheat Crop Condition by Percent					
State	VP	P	F	G	EX
AR	0	5	26	59	10
CA	0	0	15	50	35
CO	5	8	16	51	20
GA	0	16	59	25	0
ID	0	3	12	57	28
IL	0	1	11	61	27
IN	0	1	15	67	17
KS	5	13	32	37	13
MI	0	2	19	49	30
MO	1	9	38	47	5
MT	3	6	41	44	6
NE	0	1	12	66	21
NC	1	22	31	45	1
OH	0	2	17	58	23
OK	9	11	28	47	5
OR	4	9	31	47	9
SD	1	12	25	55	7
TX	10	36	32	19	3
WA	0	10	27	54	9
ALL	5	13	28	43	11
Prev Wk	5	11	26	47	11
Prev Yr	1	7	40	45	7

(Continued from front cover)

During the period ending at 7 a.m. CDT on May 8, 24-hour rainfall included 4.38 inches in **Tulsa, OK**, 3.60 inches in **Kirkville, MO**, and 2.66 inches in **Dallas-Ft. Worth, TX**. In **Wyoming**, daily precipitation records were established for May 8 in **Sheridan** (1.37 inches) and **Casper** (1.66 inches), while Monday-morning snow depths included 5 inches in **Laramie** and 2 inches in **Rawlins**. **Red River, NM** reported a snow depth of 10 inches. Most of Sunday's 30 tornadoes struck **northern Texas** and **southern Oklahoma**.

Rainfall during the ensuing 24-hour period (May 8-9) included 12.24 inches in **New Orleans, LA** and 3.74 inches in **Aberdeen, SD**. On **Casper Mountain, WY**, snow ended after accumulations of up to 4 feet were reported. Later on Tuesday, 56 tornadoes were spotted, including 34 in **Illinois**, 13 in **Iowa**, and 6 in **Mississippi**. Extreme rainfall continued into midweek along the **Gulf Coast**, where May 9-10 totals reached 15.75 inches in **Slidell, LA**, 14.56 inches in **Biloxi, MS**, and 9.18 inches in **Mobile, AL**. Meanwhile, heat began to build across the remainder of the **Gulf Coast region**. Daily records were established on Wednesday in **Lake Charles, LA** (92°F) and **Port Arthur, TX** (93°F). Farther east, **Tampa, FL**, notched its first of six record-high minima. Heat intensified at week's end in **southern Texas**, where highs included 114°F in **Laredo**, 113°F in **Rio Grande City**, and 103°F in **McAllen**.

Unusually warm weather continued in **Alaska**, where **Nome** (62°F) marked its second of three consecutive daily records on Wednesday. Weekly temperatures averaged 22°F above normal in **Bettles, AK**, including a high of 81°F on Thursday.

Heavy precipitation returned to the **northern High Plains** on Friday. On Saturday morning, **Billings, MT**, in addition to a 24-hour precipitation total of 1.37 inches, reported a 3-inch snow cover and a low of 29°F. Late-week, high-elevation snowfall totaled 9 inches at **Mammoth Mountain, CA** (161-inch depth) and 6 inches at **Alta, UT** (111-inch depth). Daily-record rainfall for May 13 was noted in **Salt Lake City, UT** (0.69 inches) and **San Diego, CA** (0.28 inches). Farther east, thunderstorms developed over the **Corn Belt**, overspreading the **Ohio Valley** by Saturday night. During the 24 hours ending at 7 a.m. CDT on Sunday morning (May 14), rainfall topped 2 inches at locations such as **Indianapolis, IN** and **Jackson, KY**.

### River Flood Highlights updated through May 15, 1995

\* On May 10, all-time crest records were set on several small Gulf-drainage rivers in southern MS, including the Wolf near Gulfport and the Biloxi near Lyman. Rises of up to 15 feet in 24 hours were observed. A day earlier, the Belle Fourche River on the WY-SD border posted a record crest, nearly a half-foot above the 1962 high-water mark.

\* Mississippi River: minor to moderate flooding is occurring from Keithsburg, IL, downstream to Thebes, IL. The crest passed Burlington, IA on May 15, and is expected to reach Thebes on May 21. At Chester, IL, the river was 6.8 feet above flood stage on May 15.

\* Missouri River: minor to moderate flooding is occurring from Brownville, NE, downstream to the Mississippi River confluence. The crest passed Waverly, MO on May 15, and should reach St. Charles, MO on May 18.

\* James River: A record stage was set at Ashton (Snake River) on May 15. Near-record stages of 3 to 10 feet above flood stage are occurring at other gauging stations from Columbia, SD to the Missouri River. The river will remain in flood stage for at least another 4 weeks.

## State Summaries of Weather and Agriculture

These summaries 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.

**ALABAMA:** Rainfall none to 2.53 in. north; none to 0.35 in. central; 1.00 to 13.57 in. south. Temperatures 2 to 11° above normal statewide. Lows 46 to 57° north; 51 to 65° central; 57 to 67° south. Highs 85 to 91° north, 84 to 94° central; 86 to 91° south.

Days suitable for fieldwork 5.2. Topsoil 3% very short, 22% short, 55% adequate, 20% surplus. Percent acreage prepared 94%, 92% 1994, 91% avg. Corn planted 96%, 92% 1994, 92% avg.; 1% poor, 16% fair, 79% good, 4% excellent. Sorghum planted 23%, 37% 1994, 40% avg. Peanuts planted 68%, 67% 1994, 69% avg. Hay harvested 26%, 32% 1994, 27% avg. Wheat headed 95%, 90% 1994, 89% avg.; 11% very poor, 8% poor, 27% fair, 49% good, 5% excellent. Pasture feed 1% very poor, 4% poor, 31% fair, 55% good, 9% excellent. Livestock 1% poor, 13% fair, 81% good, 5% excellent. Activities: Spring plowing, planting, general care of livestock, poultry, catfish.

**ALASKA:** Partly sunny, dry conditions prevailed throughout most of the State last week.

Days suitable for fieldwork 7.0. Topsoil 30% short, 70% adequate. Subsoil 25% short, 70% adequate, 5% surplus. Fieldwork progress ranged from on schedule to 7 days ahead of normal. Barley seeding was 50% complete, slightly behind last year's progress. Commercial potato planting was just beginning. Commercial vegetable planting continues. Livestock 10% fair, 55% good, 35% excellent.

**ARIZONA:** Temperatures 2 to 9° below normal. Extremes 25°; 88° higher elevations; 32°; 96° deserts. Precipitation reported at several stations 0.02 in. to 0.16 in.

Cotton replanting continues in fields with poor stands. Cotton 5% very poor, 15% poor, 43% fair, 28% good, 9% excellent. Small grains 1% very poor, 1% poor, 9% fair, 68% good, 21% excellent; 100% heading, 100% 1994, 100% avg. Alfalfa 1% poor, 8% fair, 59% good, 32% excellent. Harvest 1% light, 32% moderate, 63% active, 4% between cuttings. Corn 42% poor, 57% good, 1% excellent. Potatoes, dry onions were shipped western areas. Vegetables shipped by central growers included potatoes, dry onions, carrots, green onions, cabbage, mixed greens, parsley, cilantro, kale, and romaine. Head lettuce, napa, tomatoes were available from eastern growers. Grapefruit, Valencia oranges continued to be harvested western, central areas. Grape harvest began in western areas.

**ARKANSAS:** Temperatures near normal with scattered showers, thunderstorms, heaviest in the northwestern region. Extremes 44°; 93°. Precipitation 0.09 to 3.43 in.

Days suitable for fieldwork 3. Soil moisture 47% adequate, 53% surplus. Producers were planting some rice, corn, cotton, soybeans, grain sorghum. Some wheat lost to flooding in Crawford county. Fungicide was applied to grapes in Van Buren county. Strawberry harvest ongoing. Fungicides, pesticides were applied to tomatoes. Tomatoes were being pruned in Bradley county. Some green beans lost to flooding in Crawford county. Producers continue vaccinating calves. Livestock in good condition.

**CALIFORNIA:** From mid-week on, unsettled conditions lingered. Weekend storms supplied precipitation most regions, except the southeastern desert region. Temperatures were below normal.

Field activities northern counties delayed, rain, wet soils. Elsewhere, fieldwork rapidly gained momentum. Small grains dried for harvest, except higher elevations. Rice planting, limited progress, between rains. Growth, development slowed by cool weather. Treated watergrass, water weevils. Over-wintered sugarbeets harvested; new crop fields sprayed aphids. Corn, safflower planted, central, southern counties. Emerging dry bean, corn fields, good growth. Cotton planting, excellent progress, San Joaquin Valley; complete desert counties. Cool weather slowed cotton growth, San Joaquin Valley. Some replanted, poor germination. Alfalfa, small grains, sudangrass cut for hay, greenchopped. Grapes irrigated, treated mildew, mealybugs, nematodes. Bloom in some grape varieties, one week behind normal. Peach, nectarine, plums thinned; damaged fruit removed. Some early apple varieties, hand thinned, Sonoma County. Cherry harvest continued. More splitting

damage occurred, recent rains. Olives, kiwifruit, pomegranates, bloomed. Mowing continued, almond orchards. Lemons, grapefruit, Valencia orange, avocado harvested. Some walnuts sprayed, early codling moth control. Cool, wet weather slowed development summer vegetables. Harvest asparagus continued, Stockton delta, Salinas Valley. Monterey County artichokes harvested. Monterey, San Luis Obispo county broccoli, cauliflower harvests continued; San Joaquin Valley harvests reduced. Carrots, Kern County harvested. Ventura County celery harvested. Spring head, leaf lettuce fields harvested, Monterey, San Luis Obispo counties; harvest slowed, San Joaquin Valley. Garlic harvest began, Riverside County. Some Riverside County melon fields disced, disease problems. Insects hampered melon development, San Joaquin, Coachella Valleys. Onions harvested, Imperial, Riverside counties. Bell peppers planted, San Joaquin Valley; harvest continued desert areas. Spring potatoes harvested, Kern County. Summer potatoes planted, Riverside County. Sweet corn harvested, Riverside County. Sweet potatoes weeded, Merced County. Fresh market tomatoes transplanted, San Joaquin Valley. Planted processing tomatoes, Sacramento, San Joaquin valleys. Other crops harvested: Oriental vegetables, fava beans, green onions, radishes, sugar, snap peas, squash, turnips, zucchini. Lower elevations, spring rains, ponding water, supplied dry grasses moisture. Some lower elevation rangeland grasses browned with maturity. Grasses very green, still developing, upper elevations. Spring calving, active. Supplemental feeding, light. Livestock, excellent shape.

**COLORADO:** Low pressure early in the week resulted in below normal temperatures, abundant rainfall statewide. Northeast corner of the State received most of the rainfall with some reports over 5.00 in.

Days suitable for fieldwork 3.9. Topsoil 5% short, 85% adequate, 10% surplus. Subsoil 1% very short, 23% short, 66% adequate, 10% surplus. Spring barley 93% seeded, 97% 1994, 93% avg.; 75% emerged, 83% 1994, 74% avg.; 1% very poor, 8% poor, 24% fair, 62% good, 5% excellent. Oats 81% seeded, 88% 1994, 85% avg.; 63% emerged, 77% 1994, 68% avg.; 1% very poor, 7% poor, 27% fair, 55% good, 10% excellent. Dry onions 1% very poor, 3% poor, 10% fair, 72% good, 14% excellent. Sugarbeets 3% very poor, 6% poor, 15% fair, 65% good, 11% excellent. Summer potatoes 83% planted, 98% 1994, 87% avg.; 20% emerged, 50% 1994, 53% avg. Fall potatoes 60% planted, 73% 1994, 52% avg. Spring wheat 90% seeded, 83% 1994, 76% avg.; 65% emerged, 65% 1994, 47% avg. Winter wheat 82% jointed, 81% 1994, 82% avg. Dry beans 1% planted, 2% 1994, 3% avg. Livestock mostly good to excellent condition.

**FLORIDA:** Temperatures 4 to 7° above normal. Lows; middle 60s north, interior of Peninsula, around 70° elsewhere in State. Highs; lower 90s Panhandle, Big Bend, upper 90s elsewhere. Rainfall 6.00 to 8.00 in. common Panhandle, Big Bend, 2.00 to 3.00 in. northeast, less than 0.50 in. central, south.

Soil moisture adequate to surplus Panhandle, northern Peninsula, very short to adequate central south. Heavy rains in Panhandle, up to 10.00 in., caused flooding. Peanut planting winding down. Cotton, soybean planting active. Small grains maturing. Rainfall very scattered over southern, most central regions with producers irrigating most vegetables to provide adequate moisture. Heavy rains over western Panhandle, some northern areas harmed some vegetables with most plants to recover. Vegetable harvests nearing end, activity moving to central, northern areas. Volume leaders: Tomatoes, potatoes, watermelons, sweet corn, peppers, celery, snap beans, squash, eggplant. Hot, humid this week. Rained in some citrus areas. Irrigation continues, more rain needed. Valencia harvest slowing. Grapefruit movement down to last several hundred thousand boxes. Caretakers cutting cover crops, post bloom nutritional spraying, pushing out dead trees, replanting. Pasture feed poor 10%, fair 35%, good 55%. Cattle 20% fair, 80% good.

**GEORGIA:** Warm week with temperatures 4 to 8° above normal. Highs were near 80° in the higher northeast mountains, low to mid 90s central to south. Lows upper 40s northeast mountains to mid 60s extreme south, along the coast. Most rain totals for week 1.00 in. or less. Local totals of 1.00 to 3.00 in. over parts of north, extreme southwest areas. Least

amount of rain across central half, several locations less than 0.25 in. rain for the week.

Days suitable for fieldwork 5.7. Soil moisture 38% very short; 39% short; 22% adequate; 1% surplus. Central critically short soil moisture, planting delayed. Irrigation very active. Stand problems cotton, condition declined 3rd straight week. Tomato Spotted Wilt Virus widespread in tobacco. Wheat harvest underway extreme south. Watermelons, other vegetables needing rain. Pastures, hay deteriorating rapidly. Corn 1% very poor, 7% poor, 46% fair, 44% good, 2% excellent. Cotton 1% very poor, 7% poor, 44% fair, 48% good. Hay 9% very poor, 16% poor, 45% fair, 30% good. Peanuts 1% very poor, 5% poor, 35% fair, 59% good; 80% planted, 80% 1994, 72% avg. Sorghum 5% poor, 44% fair, 51% good; 45% planted, 61% 1994, 42% avg. Soybeans 5% poor, 70% fair, 25% good. Tobacco 1% poor, 64% fair, 35% good. Wheat 1% harvested for grain, NA 1994, 1% avg. Other small grains 19% poor, 55% fair, 26% good. Onions 2% poor, 44% fair, 54% good; 86% harvested, 86% 1994, 80% avg. Watermelons 3% poor, 48% fair, 49% good; 97% planted, 99% 1994, 97% avg. Other vegetables 2% poor, 33% fair, 65% good. Apples 1% poor, 11% fair, 88% good. Peaches 8% poor, 56% fair, 36% good; 4% harvested, 11% 1994, 7% avg. Cattle 7% poor, 33% fair, 60% good. Hogs 2% poor, 33% fair, 64% good, 1% excellent. Activities: Planting cotton, peanuts, soybeans; irrigating everything; harvesting peaches, wheat, hay; sidedressing tobacco; applying herbicides, landplaster to peanuts.

**HAWAII:** Mostly sunny and dry conditions, leeward. Partly sunny with light showers, windward. Soil moisture levels adequate most areas. Temperatures mid 60's to mid 80's. Rainfall none to 4.60 in.

Sunny, warm days along with cool nights benefitted most crops. Banana, papaya production light. Insect infestations generally light.

**IDAHO:** Temperatures 5° below to 4° above normal. Most areas below normal temperatures, continued to hamper crop emergence. Precipitation none to 2.06 in. north, 0.42 to 0.84 in. southwest, 0.49 to 1.11 in. south central, 0.20 to 0.90 in. southeast. Planting again limited by precipitation across State. Extremes 27°; 80°.

Days suitable for fieldwork 2.0. Topsoil 46% adequate, 54% surplus. Irrigation water supplies 2% fair, 63% good, 35% excellent. Range, pasture feed 2% poor, 6% fair, 67% good, 25% excellent. Cool weather has hampered grass growth. Hay, roughage supply 6% very short, 16% short, 75% adequate, 3% surplus. Spring wheat planted 86%, 98% 1994, 89% avg.; emerged 69%, 87% 1994, 72% avg. Barley planted 76%, 97% 1994, 88% avg.; emerged 48%, 82% 1994, 69% avg. Oats planted 63%, 87% 1994, 76% avg.; emerged 36%, 66% 1994, 54% avg. Onions planted 100%, 100% 1994, 100% avg.; emerged 79%, 99% 1994, 82% avg. Sugarbeets planted 99%, 99% 1994, 98% avg.; emerged 43%, 90% 1994, 75% avg. Potatoes planted 44%, 72% 1994, 65% average. Dry peas planted 66%, 86% 1994, 76% avg.; emerged 39%, 68% 1994, 54% avg. Winter wheat jointed 40%; in boot stage 7%. Calving completed 99%. Lambing completed 99%. Activities when conditions allowed: Moving livestock, branding, fencing, preparing for irrigation, irrigating, fertilizing, applying pesticides, planting small grains, sugarbeets, onions. Farmers are starting to cut alfalfa.

**ILLINOIS:** Temperatures mid 50s far north to near 70° south, within 1 or 2° of normal north to 2 to 5° above normal south. High temperatures mid 60s to the mid 70s. Lows 40s to upper 50s. Damp weather kept soils too soft for access most or all of week. Rainfall proved heaviest through northern part of State; even in south precipitation near 1.50 in.

Days suitable for fieldwork 1.4. Topsoil 19% adequate, 81% surplus. Corn planting progressed to 36% complete by 14th, a 20% increase from a week ago. Central, eastern districts showed most progress with virtually no planting done in southern fourth of State. Limited planting of other field crops was done as rains continued across State. Small grains, fruit trees are progressing well around State in spite of weather. Other activities for week included applying fertilizers, herbicides, equipment repair, maintenance, mowing lawns, hauling grains, general care of livestock. Oats 90% planted, 99% 1994, 93% avg. Oats 1% headed, 3% 1994, 2% avg. Alfalfa 1% first cutting, 4% 1994, 5% avg. Red clover 1% cut, 1% 1994, 2% avg. Alfalfa 1% poor, 12% fair, 61% good, 26% excellent. Red clover 2% poor, 12% fair, 63% good, 23% excellent.

**INDIANA:** Unsettled weather continued during the week. Low pressure moved northwest of the State the first half of the week bringing rain mainly 8th, 10th. High pressure generated some nice weather

heading into the weekend. Another low pressure triggered severe storms, some tornadoes in central, north central areas 13th night. The week averaged near to 4° warmer than normal. High temperatures were in the upper 60s to middle 70s. Lows were generally in the upper 40s to middle 50s. Extremes high of 89° at Evansville on 7th to low of 39° at Crawfordsville 12th morning. Most of the State totaled over 1.00 in. of rain. Far north areas had 0.50 to 1.00 in. Some areas, mainly in the far south, had over 2.00 to 3.00 in. Areas in north central, central, southeast received 1.00 to 2.00 in. of rain from storms 13th night.

Days suitable for fieldwork 3.2. Topsoil 2% short, 52% adequate, 46% surplus. Subsoil moisture 8% short, 69% adequate, 23% surplus. Corn, soybean planting made good progress, central, northern areas. Wet soils limited fieldwork, some areas. Corn emergence slow, yellowish color many fields. Wheat 98% jointed, 80% 1994, 84% avg. Oats 95% seeded, 98% 1994, 95% avg. Land 86% prepared, 83% 1994, 82% avg. First cutting of hay underway.

**IOWA:** Temperatures near to 2° below normal. Extremes 37° northeast 12th; 79° southeast 13th. Strong thunderstorms 8th to 9th; 12th to 13th. Precipitation 0.69 in. central to 3.04 in. southeast; State average 1.64 in., normal 0.87 in. Wettest week of year, sixth consecutive week of above normal precipitation.

Days suitable for fieldwork 1.6. Topsoil adequate 19%, surplus 81%. Subsoil adequate 34%, surplus 66%. 1995 primary seedbed preparation completed (includes fall tillage) 67%, 100% 1994, 83% avg. 1995 row crop acreage fertilizer applied (includes fall applications) 72%, 100% 1994, 86% avg. Oats 3% very poor, 11% poor, 35% fair, 41% good, 10% excellent; planted 84%, 100% 1994, 90% avg.; emerged 64%, 100% 1994, 84% avg. Corn planted 30%, 96% 1994, 65% avg.; emerged 3%, 38% 1994, 24% avg. Soybeans planted 2%, 48% 1994, 24% avg. Winter wheat 1% very poor, 7% poor, 21% fair, 59% good, 12% excellent. Range, pasture feed 1% very poor, 11% poor, 32% fair, 47% good, 9% excellent. Hay 1% very poor, 9% poor, 35% fair, 48% good, 7% excellent. Reporters continue to note calves are suffering from pneumonia, scours due to weather conditions. Feedlots remain muddy, hindering cattle weight gain.

**KANSAS:** Temperature were below normal in all districts again this week. Range was from 2° below normal in the western, eastern districts to 4° below normal in the central districts. Precipitation 0.88 in. in the west central to 2.94 in. in the southeast districts.

Days suitable for fieldwork 0.8. Topsoil 1% short, 50% adequate, 49% surplus. Subsurface moisture 1% very short, 11% short, 72% adequate, 16% surplus. Wheat progress has been slowed by cool, wet weather. Warm, sunny weather is needed to dry out water logged fields, promote growth so that a more thorough assessment of damage from earlier frosts can be made. Foliar diseases such as rust, tan spot, powdery mildew are reported across State, particularly in the southeastern quadrant of State. Barley yellow dwarf is prevalent in southeastern district. Alfalfa cut the first time 4%, 12% 1994, 13% avg. Wet weather has severely hampered farmers efforts to complete fieldwork. When, where possible farmers were planting corn, preparing for sorghum, soybean planting.

**KENTUCKY:** Highs close to normal, 70 to 75° east, 70 to 80° west. Lows above normal, 55 to 60°. Precipitation 1.50 to 2.00 in. above normal.

Days suitable for fieldwork 2.5. Topsoil moisture 1% very short, 1% short, 67% adequate, 31% surplus. Subsoil moisture 6% short, 74% adequate, 20% surplus. Weekend storms damaged homes, flooded low lying fields, stressed crops. Ag damage not yet assessed. Extremely wet fields slowed fieldwork. Emerged corn 1% very poor, 4% poor, 40% fair, 52% good, 3% excellent. Tobacco plant supplies adequate most areas; setting just underway. Burley 6% set, dark types 10% set. Wheat 95% headed or heading. Haying just beginning. Pasture feed 7% poor, 31% fair, 52% good, 10% excellent.

**LOUISIANA:** Temperatures 4 below to 5° above normal. Extremes 55°; 92°. Rainfall 0.91 in. northeast to 10.54 in. southeast. Days suitable for fieldwork 3.1. Soil moisture 1% short, 38% adequate, 61% surplus. Corn 6% poor, 40% fair, 50% good, 4% excellent; 100% planted, 100% 1994, 99% avg.; 100% emerged, 99% 1994, 98% avg.; 0% silked, 1% 1994, 1% avg. Cotton 68% emerged, 78% 1994, 61% avg. Rains helped emerging cotton by loosening soil. Hay 23% first cutting, 30% 1994, 23% avg. Peaches 0% harvested, 0% 1994, 1% avg. Rice 2% poor, 31% fair, 65% good, 2% excellent. Rice growers were busy applying fertilizer, herbicides. Sorghum 47% emerged, 56% 1994, 56% avg. Wet conditions prevented planting. Soybeans 19% emerged, 11% 1994, 8% avg. Wet

conditions prevented planting. Spring plowing 94% plowed, 95% 1994, 89% avg. Sugarcane 1% very poor, 4% poor, 18% fair, 69% good, 8% excellent. Fields flooded in some areas. Sweet potatoes 10% planted, 5% 1994, 11% avg. Some planting was done by hand. Wheat 4% poor, 36% fair, 58% good, 2% excellent; 98% headed, 97% 1994, 97% avg.; 79% turning color, 76% 1994, 72% avg.; 3% harvested, 1% 1994, 4% avg. Wheat harvest was delayed by weather. Excess moisture slowed pasture growth. Vegetables 6% poor, 37% fair, 44% good, 13% excellent. Some minor damage caused by severe weather. Livestock 2% poor, 20% fair, 62% good, 16% excellent. Cattlemen were completing spring vaccinations, worming.

**MARYLAND & DELAWARE:** Maryland: Precipitation 0.86 in., normal 0.79 in. Temperature 58.8°, normal 61.0°. Extremes 28°; 80°. Low temperatures mostly in the 30s, 40s. Highs were mainly in the 70s.

Days suitable for fieldwork 4.0. Topsoil 6% short, 86% adequate, 8% surplus. Subsoil 20% short, 78% adequate, 2% surplus. Winter wheat 6% poor, 24% fair, 66% good, 4% excellent; 66% headed, 47% 1994, 83% avg. Rye 2% poor, 24% fair, 68% good, 6% excellent; 2% turned, 0% 1994, 2% avg. Barley 1% very poor, 4% poor, 21% fair, 72% good, 2% excellent; 0% headed, 5% 1994, 11% avg. Corn for grain 67% planted, 68% 1994, 65% avg. Potatoes 87% planted, 93% 1994, 97% avg. Green peas 92% planted, 99% 1994, 96% avg. Sweet corn 53% planted, 46% 1994, 50% avg. Snap beans 43% planted, 69% 1994, 51% avg. Tomatoes 54% planted, 60% 1994, 62% avg. Watermelons 42% planted, 54% 1994, 50% avg. Cantaloupe 48% planted, 56% 1994, 55% avg. Cucumbers 24% planted, 69% 1994, 49% avg. Peaches 95% bloomed, 100% 1994, 100% avg. Apples 85% bloomed, 95% 1994, 95% avg. Strawberries 87% bloomed, 79% 1994, 85% avg. Pasture feed 1% poor, 24% fair, 68% good, 7% excellent. Activities: Planting of spring crops, vegetables.

Delaware: Precipitation 1.38 in., normal 0.75 in. Temperature 58.0°, normal 61.3°. Extremes 38°; 73°. High temperatures in the high 60s to low 70s. Lows near 40°.

Days suitable for fieldwork 3.5. Topsoil 3% short, 91% adequate, 6% surplus. Subsoil 4% short, 91% adequate, 5% surplus. Winter wheat 15% fair, 77% good, 8% excellent; 55% headed, 43% 1994, 48% avg. Barley 18% fair, 75% good, 7% excellent. Corn for grain 66% planted, 77% 1994, 74% avg. Cucumbers 9% planted, 4% 1994, 18% avg. Green peas 96% planted, 98% 1994, 97% avg. Snap beans 10% planted, 27% 1994, 25% avg. Sweet corn 47% planted, 51% 1994, 59% avg. Peaches 94% bloomed, 100% 1994, 94% avg. Apples 91% bloomed, 76% 1994, 93% avg. Strawberries 95% bloomed, 90% 1994, 86% avg. Pasture 13% fair, 87% good. Activities: Planting of spring crops, vegetables.

**MICHIGAN:** Extremes 27°; 78°. Precipitation 0.17 to 2.64 in. across State. Temperatures remained on cool side with little to moderate precipitation. Cool conditions prevented fields from drying out. These conditions have delayed planting. Farmers are anxious for warmer weather.

Days suitable for fieldwork 4.5. Topsoil 3% short, 61% adequate, 36% surplus. Subsoil 5% short, 64% adequate, 31% surplus. Most planting slowed this week by cool, wet soils, scattered rain. Acres tilled for planting 65%, 75 1994, 68 avg. Barley planted 73%, 80% 1994, 71% avg. Oats planted 80%, 89% 1994, 81% avg.; emerged 26%, 55% 1994, 52% avg.; 1% very poor, 32% fair, 48% good, 19% excellent. Potatoes planted 38%, 50% 1994, 50% avg. Sugarbeets planted 95%, 91% 1994, 86% avg. Pasture feed 6% poor, 38% fair, 42% good, 14% excellent. Activities: planting, tilling as conditions allowed, herbicide spraying.

**MINNESOTA:** Temperatures near normal in the north, 2 to 3° below normal elsewhere. Extremes 28°; 75°. Precipitation 0.37 to 1.48 in. above normal for the State. Greatest weekly total 3.16 in.

Days suitable for fieldwork 2.2. Topsoil 1% short, 51% adequate, 48% surplus. Spring wheat 28% planted, 77% 1994, 87% avg. Spring wheat 10% emerged, 27% 1994, 58% avg. Oats 66% seeded, 92% 1994, 88% avg.; 28% emerged, 62% 1994, 63% avg. Barley 22% seeded, 70% 1994, 84% avg.; 5% emerged, 23% 1994, 46% avg. Potatoes 32% planted, 49% 1994, 45% avg. Sweet corn 16% planted, 44% 1994, 31% avg. Dry beans 2% planted, 18% 1994, 17% avg. Flax 2% planted, 14% 1994, 25% avg. Sunflowers 3% planted, 25% 1994, 25% avg. Sugarbeets 38% planted, 88% 1994, 89% avg. Green peas 55% planted, 69% 1994, 61% avg. Corn 60% ground prepared, 80% 1994, 71% avg.; 50% planted, 74% 1994, 60% avg.; 2% emerged, 8% 1994, 11% avg. Soybeans 18% ground prepared, 48% 1994, 43% avg.; 7% planted, 32% 1994, 24% avg. Pasture feed 3% very poor, 14% poor, 44% fair, 35%

good, 4% excellent. Western agricultural statistical districts remain extremely wet, very little planting was done for the second week in a row.

**MISSISSIPPI:** Temperatures 4.0° above normal. Extremes 47°; 92°. Soil temperatures 76°. Precipitation 1.95 in., 0.71 in. above normal. Rainfall throughout State 0.03 in. north central district to 10.42 in. coastal district.

Days suitable for fieldwork 4.4. Soil moisture 6% short, 78% adequate, 16% surplus. Corn 98% planted, 97% 1994, 83% avg.; 93% emerged, 95% 1994, 77% avg.; 7% poor, 27% fair, 50% good, 16% excellent. Soybeans 37% planted, 39% 1994, 16% avg.; 31% emerged, 33% 1994, 12% avg.; 4% poor, 26% fair, 67% good, 3% excellent. Wheat 15% mature, 17% 1994, 22% avg.; 10% poor, 40% fair, 42% good, 8% excellent. Hay 22% harvested, 22% 1994, 16% avg.; 1% poor, 32% fair, 50% good, 17% excellent. Peanuts 75% planted, 89% 1994, 43% avg.; 83% fair, 17% good. Sweet potatoes 8% planted, 4% 1994, 18% avg.; 53% fair, 29% good, 18% excellent. Watermelons 85% planted, 91% 1994, 82% avg.; 35% fair, 49% good, 16% excellent. Cattle rated 3% poor, 25% fair, 60% good, 12% excellent. Main farming activities: Planting cotton, soybeans, rice, sorghum. Most corn acreage has been planted. Some cotton is being replanted due to unfavorable weather conditions. There have been some reports of high counts in boll weevil traps. Thrips are showing up in older cotton that was stressed due to cold wet weather.

**MISSOURI:** Temperatures near normal across State, low 60s in most of State to 67° St. Louis, 68° at Caruthersville. Precipitation 1.22 in., varying from 0.33 in. southwest, to 2.15 in. northwest, 2.35 in. north central.

Days suitable for fieldwork 0.5. Topsoil 1% short, 28% adequate, 71% surplus. Corn planting ranges from 4% northeast, to 95% southeast, most areas no progress. Soybean planting just getting started Bootheel, no progress elsewhere. Sorghum planting ranges from virtually none in northern half of State to 26% southeast. Wheat mostly fair to good in all areas. Wheat heading ranges from 4% or less north-central, northeast, to 98% southeast. Ground tilled for spring crops 78%, 84% 1994, 76% avg.

**MONTANA:** Temperatures were near normal for most of the week. Above normal precipitation reported in all divisions.

Days suitable for fieldwork 3.1. Topsoil moisture 1% very short, 4% short, 75% adequate, 20% surplus. Subsoil moisture 3% very short, 19% short, 67% adequate, 11% surplus. Barley 62% planted, 88% 1994, 78% avg. Oats 50% planted, 83% 1994, 70% avg. Sugarbeets 93% planted, 99% 1994, 93% avg. Corn 58% planted, dry beans 12% planted, potatoes 10% planted. Pasture, range feed 11% poor, 32% fair, 52% good, 5% excellent. Calving 96% complete. Lambing 75% complete. Moved to summer ranges: Cattle, calves, 36%; Sheep, lambs, 32%.

**NEBRASKA:** Temperatures 5 to 9° below normals across the State. Precipitation varied from 0.20 in. northwest to 1.70 in. east central.

Days suitable for fieldwork 2.6. Topsoil 2% short, 64% adequate, 34% surplus. Subsoil 5% short, 81% adequate, 14% surplus. Wheat 1% poor, 20% fair, 69% good, 10% excellent; 31% jointed, 32% 1994, 36% avg. Corn 3% planted, 29% 1994, 20% avg. Oats 62% planted, 99% 1994, 88% avg. Pasture, range mostly good. Calving 92% complete. Scours in some young calves continued.

**NEVADA:** Wet, cool, unsettled weather dominated the week in northern, central areas. Light snow fell across much of eastern, eastern central areas on 8th with funnel clouds reported near Elko. A series of weak fronts moved across the northern part of the State 9th to 11th with showers, wind, unsettled weather in the north while the southern part of the State southern areas enjoyed sunny warm weather. A strong upper low pressure area off the west coast sending a system into State both 12th, 13th with up to 10 in. of snow falling above 7000 ft and snow down to valley floors. Precipitation 1.73 in. northeast, 0.37 in. northwest, 0.03 in. south. Temperatures 3 to 5° below average across the State. Extremes 43°; 68° Spring planting slowed by the cool wet weather. Small grain seeding active as weather allowed; emerged acreage mostly in good to excellent condition. Potato planting underway, onion planting complete. Garlic in excellent condition. Ranges thriving with profuse weed growth. Calving, lambing continued, though well along. Main farm, ranch activities: Calving, lambing, spring planting, irrigation, haying, branding.

**NEW ENGLAND:** Precipitation none to 1.55 in. regionwide. Temperatures 47 to 53° north; 49 to 57° south. Maximum temperatures 64 to 76° north; 67 to 76° south. Minimum temperatures 19 to 37° north; 27 to 46° south.

Days suitable for fieldwork 5.7. Topsoil moisture, 46% short, 53% adequate, 1% surplus. Subsoil moisture 3% very short, 45% short, 52% adequate. Pasture feed 9% poor, 49% fair, 41% good, 1% excellent. Maine potatoes 20% planted, 5% 1994, 15% avg. CT River Valley potatoes 70% planted, 55% 1994, 55% avg.; <5% emerged, condition good. Field corn 25% planted, 20% 1994, 20% avg.; <5% emerged; good. Sweet corn 35% planted, 30% 1994, 30% avg.; 15% emerged; good. Maine oats 45% planted, 15% 1994, 30% avg.; 5% emerged; excellent. Maine barley 45% planted, 5% emerged; excellent. First hay crop condition fair/good. Apples in early bloom stage, condition good. Peaches, full bloom to petal fall stage, condition fair/good. Pears in early/full bloom stage, good. Strawberries in early bloom stage, condition good. Cranberries still in dormant stage, good. All blueberries in bud stage. Highbush blueberries condition good. Rains during the week helped to alleviate the dry conditions in the region somewhat, but more is needed. Continued cool weather has slowed crop development. Some farmers employed frost protection measures during the week. Major farm activities: Tilling, fertilizing, seeding grassland, fixing fences, moving livestock onto pastures, planting early season crops.

**NEW JERSEY:** Temperatures much below normal. Extremes 33°; 79°. Rainfall 0.72 in. north, 1.04 in. central, 1.74 in. south. Heaviest 24 hour total was 1.45 in. on the 10th to 11th. Estimated soil moisture, in percent of field capacity, averaged 83% north, 90% central, 90% south.

Days suitable for fieldwork 5. Topsoil moisture reported as short to adequate. Farmers are planting peas, carrots, potatoes, lettuce, tomatoes, spinach, snap beans, other vegetables. Light harvest of asparagus, herbs, kale, basil, green onions, parsley, radishes, leeks. Field corn planting reported in selected areas of southern areas. Wheat, rye are heading up. Early varieties of blueberries are in full bloom. Strawberries are sizing well. Peaches are in the shuck split stage.

**NEW MEXICO:** Most of State experienced a dry week with temperatures a little below normal; temperature between 1 to 2° below normal. Anomalies -6° at Des Moines to plus 3° at Ruidoso. Precipitation fairly light, confined to northern third of State. Greatest totals were 0.33 in. at Chama, 0.32 in. at Raton, 0.25 in. at Las Vegas.

Days suitable for fieldwork 6.2. Soil moisture 37% very short, 39% short, 24% adequate. Alfalfa 5% poor, 31% fair, 58% good, 6% excellent. Wheat 73% very poor, 1% poor, 19% fair, 7% good. Corn 53% fair, 47% good; 90% planted. Cotton 1% poor, 48% fair, 51% good; 66% planted, 73% 1994, 83% avg. Sorghum 3% planted, 5% 1994, 19% avg. Chile 3% very poor, 18% poor, 37% fair, 40% good, 2% excellent. Onions 3% poor, 34% fair, 60% good, 3% excellent. Lettuce 13% fair, 65% good, 22% excellent; 75% harvested. Pecans 7% very poor, 28% poor, 10% fair, 55% good. Apples 33% poor, 42% fair, 25% good. Pasture, range feed 19% very poor, 39% poor, 38% fair, 4% good. Cattle 2% very poor, 16% poor, 54% fair, 28% good. Sheep 2% very poor, 12% poor, 45% fair, 41% good.

**NEW YORK:** Temperatures near normal. Extremes 10°; 80°. Rainfall light. Heaviest amounts 0.50 to 1.00 in., fell in western areas. Eastern areas averaged 0.25 in. Rain occurred in the middle of the week.

Days suitable for fieldwork 5.8. Soil moisture 11% very short, 68% short, 21% adequate. Pasture feed 76% fair, 24% good. Corn planted 31%, 1994 26%, 26% avg. Oats planted 69%, 1994 63%, 71% avg. Potato plantings virtually complete. Dry fields have enabled spring plowing to progress rapidly without having to skip wet areas. Dairy farmers are spreading manure to empty holding tanks, pits. Fields were also being limed. Hudson Valley pears in full bloom. Strong winds not conducive to good sweet cherry pollination. Winter damage to grapes in Lake Erie region minimal. Procedures busy with trellis repair, tying vines, fertilizing. Orange County onions showed stress from dryness, windy conditions. Coolness slowed vegetable growth; frost damage in some areas. Irrigation active in vegetable fields.

**NORTH CAROLINA:** Sporadic rain showers were wide-spread throughout the State during the past week. Although most areas received some rainfall, there continues to be a deficiency of moisture in many areas. A few areas experienced storms which were accompanied by hail, high winds, causing some damage to crops, farm dwellings, service buildings. Temperature 67°, 2° above normal. Extremes 37°; 86°. Precipitation 0.82 in., 0.06 in. below normal.

Days suitable for fieldwork 5.3. Soil moisture 3% very short, 37% short, 56% percent adequate, 4% surplus. Flue cured tobacco 84%

planted, 82% 1994, 81% avg. Peanuts 46% planted, 55% 1994, 52% avg. Sorghum 13% planted, 28% 1994, 32% avg. Sweet potatoes 8% transplanted, 16% 1994, 21% avg. Condition of crops remains fair to good. Oats 1% very poor, 16% poor, 39% fair, 43% good, 1% excellent; barley 6% poor, 62% fair, 32% good; rye 2% very poor, 7% poor, 37% fair, 54% good. Irish potatoes 2% poor, 3% fair, 95% good; peaches 1% very poor, 1% poor, 19% fair, 61% good, 18% excellent; truck crops 2% very poor, 12% poor, 42% fair, 44% good; corn 2% poor, 32% fair, 66% good. Cotton 1% very poor, 6% poor, 57% fair, 36% good; hay 6% very poor, 14% poor, 63% fair, 17% good; tobacco in fields 8% poor, 41% fair, 50% good, 1% excellent; supplies of tobacco plants 1% very short, 35% short, 64% adequate; hay, roughage supplies 2% very short, 30% short, 68% adequate. Activities: Planting corn, cotton, soybeans, sorghum, transplanting tobacco, sweet potatoes, spraying corn fields, harvesting strawberries, early season vegetables, cutting hay, tending livestock, repairing equipment, general farm maintenance.

**NORTH DAKOTA:** Very wet week, temperatures near normal. Temperatures normal to 3° above normal across the State. Extremes 30° northwest, northeast; 78° northwest. Precipitation 0.85 in. northwest to 3.06 in. south central.

Days suitable for fieldwork 2. Soil moisture well above average. Topsoil moisture 50% adequate, 50% surplus. Subsoil moisture 60% adequate, 40% surplus. Small grain planting three weeks behind average due to excessive soil moisture. Hard red spring wheat 12% planted, 66% 1994, 79% avg.; durum 6% planted, 50% 1994, 61% avg.; oats 8% planted, 65% 1994, 76% avg.; barley 8% planted, 72% 1994, 81% avg. Late season crop planting underway in several areas, well behind average. Flaxseed 0% planted, 16% 1994, 24% avg.; corn 6% planted, 37% 1994, 39% avg.; dry edible beans 0% planted, 6% 1994, 8% avg.; soybeans 0% planted, 16% 1994, 19% avg.; sunflower 0% planted, 7% 1994, 6% avg.; sugarbeets 36% planted, 89% 1994, 93% avg.; potatoes 12% planted, 40% 1994, 32% avg. Calving 96% complete; lambing 97% complete; shearing 97% complete. Hay, roughage supplies 3% very short, 11% short, 84% adequate, 2% surplus. Grain, concentrate supplies 4% short, 93% adequate, 3% surplus. Pasture feed 18% still dormant; 2% very poor, 5% poor, 25% fair, 61% good, 7% excellent.

**OHIO:** Above normal rainfall limited fieldwork. Low pressure, a front produced strong thunderstorms over weekend with some damage reported. High temperatures averaged from upper 60s north to lower 70s central, south. This was close to normal, north, normal to as much as 4° below normal, central, south. Lows averaged from upper 40s to mid 50s north, low to mid 50s central, south, which was 2 to 8° above normal. Coolest readings were in the 40s. Rainfall 0.50 to 2.00 in. north to 0.75 to 2.75 in. These averages 0.15 to 0.80 in. above normal central, north to 0.50 to 1.75 in. above normal south. Soil temperatures at 4-inch depth under bare ground were averaging mostly from upper 50s north to around 60° south.

Days suitable for fieldwork 2.9. Soil moisture 1% short, 48% adequate, 51% surplus. Farmers worked as much as they could in fields that were well drained. Planting is behind average. Recent cool, damp weather is conducive to slug growth, plant diseases. Potatoes are beginning to sprout along the Ohio River. Oats planted 92%, 98% 1994, 94% avg. Sugarbeets planted 94%, 100% 1994, 85% avg. Potatoes planted 85%, 98% 1994, 64% avg. Corn emerged 9%, 27% 1994, 28% avg. Soybeans emerged 1%, 7% 1994, 8% avg. Oats emerged 74%, 75% 1994, 74% avg. Wheat jointed 84%, 60% 1994, 64% avg. Hay 4% poor, 20% fair, 56% good, 20% excellent. Apples 1% poor, 21% fair, 60% good, 18% excellent. Peaches 2% very poor, 4% poor, 33% fair, 51% good, 10% excellent.

**OKLAHOMA:** Temperatures 2.3° below normal west central to 2.4° above normal southeast district. Precipitation none north central, northeast, west central, central district to 0.21 in. east central district.

Days suitable for fieldwork 2.2. Topsoil 72% adequate, 28% surplus. Subsoil moisture 6% short, 73% adequate, 21% surplus. Wheat 9% very poor, 11% poor, 28% fair, 47% good, 5% excellent; 96% heading, 96% 1994, 89% avg.; 22% soft dough, 10% 1994, 21% avg. Oats 65% heading, 55% 1994, 60% avg.; 15% soft dough, 5% 1994, 16% avg. Barley 71% heading, 36% 1994, 57% avg.; 10% soft dough, 2% 1994, 10% avg. Corn 78% planted, 97% 1994, 92% avg.; 60% up to stand, 87% 1994, 69% avg. Sorghum 66% seedbed prepared, 76% 1994, 67% avg.; 9% planted, 24% 1994, 14% avg.; 4% up to stand, 11% 1994, 5% avg. Soybeans 63% seedbed prepared, 84% 1994, 69% avg.; 23% planted, 35% 1994, 20% avg.; 14% up to stand, 11% 1994, 3% avg. Peanuts 77% seedbed prepared, 77% 1994, 74% avg.; 7% planted, 8% 1994, 15% avg.; 0% up to stand, 2%

1994, 2% avg. Cotton 77% seedbed prepared, 90% 1994, 79% avg., 10% planted, 14% 1994, 16% avg.; 1% up to stand, 3% 1994, 6% avg. Alfalfa hay 51% 1st cutting, 42% 1994, 39% avg. Other hay 43% 1st cutting, 33% 1994, 31% avg. Pasture, range feed 1% poor, 18% fair, 69% good, 12% excellent. Livestock 2% poor, 12% fair, 79% good, 7% excellent. Feeder steer, heifers prices were \$1.00 to \$3.00/cwt lower.

**OREGON:** Temperatures normal to above normal, western locations; else normal to 6° below normal. Coast 1.00 in., western valleys 0.50 to 0.75 in., southwestern locations 0.15 to 0.50 in., eastern 0.25 to 0.85 in.

Days suitable for fieldwork 2.7. Topsoil moisture 1% short, 81% adequate, 18% surplus. Subsoil moisture 4% short, 83% adequate, 13% surplus. Winter wheat 4% very poor, 9% poor, 31% fair, 47% good, 9% excellent. All barley planted 76%. Summer fallow primary tillage delayed, Columbia Basin of Oregon. Rust control chemical applications underway, western sections. Willamette Valley hops strung, mostly trained. Klamath Basin sugarbeets, spring barley seedings delayed, wet conditions. Malheur County potato cultivation underway, herbicides being applied, late planting continued. Willamette Valley onion, green beans, broccoli, sweet corn planting underway, strawberries full bloom, raspberry bloom underway, hazelnuts set. Cherry fruit set light, The Dalles district. Cranberry development ranged from roughneck, hook to light bloom. Willamette Valley nursery industry digging, balling deciduous, evergreen trees, movement of transplants continued. Livestock good. Range turn out continued, eastern sections. Pasture green-up continued western locations, lowland pastures soggy, muddy. Calving mostly complete. Range, pasture feed 21% fair, 62% good, 17% excellent.

**PENNSYLVANIA:** Highest average temperature of season. Western half of State received normal rainfall. State overall rainfall below normal. Temperature 61°, 7° above normal. Extremes 24°; 86°. Precipitation 0.75 in., 0.07 in. below normal.

Days suitable for fieldwork 4.3. Soil moisture 1% very short, 40% short, 55% adequate, 4% surplus. Plowing 85% complete, 79% 1994, 77% avg. Soybeans planted 10% complete, 9% 1994, 7% avg. Oats planted 86% complete, 87% 1994, 85% avg. Potatoes planted 50% complete, 57% 1994, 53% avg. Barley 52% heading or headed, 20% 1994, 28% avg. Wheat 10% heading or headed, 2% 1994, 4% avg.; 3% poor, 50% fair, 42% good, 5% excellent. Oats 1% very poor, 4% poor, 31% fair, 59% good, 5% excellent. Alfalfa and alfalfa mixture stands 5% poor, 34% fair, 55% good, 6% excellent. Timothy clover stands 2% poor, 34% fair, 56% good, 8% excellent. Alfalfa first cutting 0% complete, 1% 1994, 2% avg. Peaches pink stage 100%, 85% 1994, 89% avg.; 90% full bloom or past, 71% 1994, 78% avg. Cherries pink stage 100%, 91% 1994, 92% avg.; 97% full bloom or past, 73% 1994, 81% avg. Apples pink stage 98%, 88% 1994, 85% avg.; 90% full bloom or past, 75% 1994, 69% avg. Activities: planting oats, corn, soybeans; spring plowing; fixing fences; hauling manure; caring for livestock.

**PUERTO RICO:** Island rainfall 2.35 in., 0.84 in. above normal. Highest total rainfall 11.76 in. at Cerro Gordo-Ciales, 7.88 in. at Toro Negro, 6.18 in. at Sabana Grande. Highest 24 hour 4.85 in. at Arecibo 3ESE on 10th at San Juan. Island temperatures 79 to 80° on coast, 74 to 76° interior. Extremes 58°; 93°.

**SOUTH CAROLINA:** Temperatures across State averaged from near normal over eastern sections to 3° below normal in upstate. Multiple hail reports, sizes ranging from 0.50 in. to 1.25 in. observed in Sumter, Kershaw, Lexington and Richland counties. Maximum observed temperature 87°. Minimum observed temperature 30°. Heaviest 24-hour rainfall amount 1.43 in. Statewide rainfall averaged 0.40 in.

Days suitable for fieldwork 6.4. Soil moisture 28% very short, 65% short, 7% adequate. Farmers await more moisture to continue field operations. Cantaloupes 72% planted, 84% 1994, 77% avg. Corn 98% planted, 98% 1994, 95% avg. Cucumbers 66% planted 82% 1994, 79% avg. Hay 30% harvested, 47% 1994, 26% avg. Oats 90% headed, 84% 1994, 77% avg.; 17% turning color, 18% 1994, 12% avg. Peanuts 25% planted, 49% 1994, 35% avg. Rye 22% turning color, 25% 1994, 17% avg. Snap beans 65% planted, 63% 1994, 60% avg. Sorghum 8% planted, 14% 1994, 11% avg. Sweet potatoes 12% planted, 17% 1994, 15% avg. Tobacco 2% poor, 77% fair, 21% good; 74% transplanted, 94% 1994, 89% avg. Tomatoes 97% planted, 98% 1994, 98% avg. Watermelons 81% planted, 83% 1994, 82% avg. Wheat 16% poor, 62% fair, 22% good; 83% headed, 94% 1994, 77% avg.; 5% turning color,

10% 1994, 10% avg. Peaches 11% fair, 81% good, 8% excellent. Pasture feed 4% very poor, 15% poor, 68% fair, 13% good.

**SOUTH DAKOTA:** Temperatures 3 to 6° below normal. Extremes 26°; 74°. Significant precipitation statewide. Black Hills, northwest, north central generally received 3.00 to 5.00 in. of rainfall while rest of State generally received 2.00 to 3.00 in. Heaviest rainfall 6.32 in. Spearfish.

Days suitable for fieldwork 0.6. Topsoil moisture 16% adequate, 84% surplus. Subsoil moisture 23% adequate, 77% surplus. Winter wheat 4% boot, 13% 1994, 18% avg. Winter rye 1% boot, 17% 1994, 17% avg. Winter rye 5% poor, 23% fair, 49% good, 23% excellent. Barley 10% planted, 90% 1994, 92% avg.; 4% emerged, 70% 1994, 77% avg. Oats 17% planted, 90% 1994, 92% avg.; 11% emerged, 72% 1994, 79% avg. Flax 0% planted, 27% 1994, 43% avg. Sunflowers 0% planted, 4% 1994, 5% avg. Fungal disease problems in winter wheat especially with tan spot. Excess moisture was yellowing leaves, drowning winter wheat. Livestock 6% poor, 28% fair, 57% good, 9% excellent. Cattle moved to pasture 45%. Calving 87% complete, lambing 94%. Feed supplies 5% very short, 24% short, 68% adequate, 3% surplus. Stockwater supplies 43% adequate, 57% surplus.

**TENNESSEE:** Temperatures near to 5° above normal. Extremes 46°; 90°. Showers early, late week with totals ranging from 0.04 to 2.87 in. Western areas dry for week; middle, east scattered heavy showers with local flooding.

Days suitable for fieldwork 4.0. Topsoil moisture 2% short, 76% adequate, 22% surplus. Subsoil moisture 5% short, 80% adequate, 15% surplus. Corn 1% very poor, 1% poor, 21% fair, 70% good, 7% excellent, 93% planted, 83% 1994, 72% avg. Cotton 50% planted, 65% 1994, 45% avg.; recovering from cool weather. Sorghum 52% planted, 25% 1994, 27% avg. Tobacco 20% transplanted, 20% 1994, 20% avg. Soybeans 6% planted, 5% 1994, 5% avg. Wheat 2% poor, 17% fair 67% good, 14% excellent; 9% turning color, 5% 1994, 6% avg. Pasture feed 2% poor, 28% fair, 63% good, 7% excellent. Alfalfa 1% poor, 31% fair, 61% good, 7% excellent; 23% 1st cutting, 39% 1994, 30% avg. Cattle 1% poor, 25% fair, 69% good, 5% excellent.

**TEXAS:** Hot, dry conditions covered most of State last week. Mean temperature was 2° below normal in Low Rolling Plains, while other districts ranged 2 to 5° above normal. High temperature ranged from the 80s to mid 100s, while low temperature varied from middle 60s to middle 70s. Upper Coast only climate district record above normal rainfall last week, with an average total of 1.10 in. (+0.11 in.). The only other district to receive significant rainfall was East Texas (0.69 in., 0.57 in. departure). The other districts received average amounts less than 0.20 in., with departures ranging from -0.60 to -1.01 in. Some stations recording larger rainfall totals were Beaumont-Port Arthur (1.81 in.), Toledo Bend Reservoir (0.94). Highest mean daily soil temperature last week was 85° at Beeville, while lowest mean daily soil temperature was 61° at Bushland. Highest daily maximum soil temperature was 99° at Beeville, while lowest daily minimum soil temperature was 46° at Bushland.

**Crops:** Small Grains: Harvest beginning in more fields in south. Rainfall in Blacklands, Hill Country helped heads fill. Fields were beginning to turn color. Most fields continued decline in High Plains. Corn: Most fields in High Plains were planted by late last week with earlier fields emerging. Fields throughout Cross Timbers, Blacklands were showing improved progress; however some insect problems were showing up. Most fields in Coastal Bend, Rio Grande Valley, Upper Coast were silking. Cotton: Planting operations increased in Plains by mid-week. Planted fields need warmer temperatures. Fields in Blacklands, Central benefitted from warmer temperatures. Fields in Coastal Bend, Rio Grande Valley were squaring. Producers spraying for bollworms. Grain Sorghum: Land preparations winding down High Plains where some planting underway. Blackland, Central Texas fields showed improved progress with rain, warmer temperatures. In the Coastal Bend, Valley, fields were heading; however dryland fields were stressed from lack moisture, hot temperatures. Rice: Planting, flooding operations continued along Upper Coast for most of week. Emergence has been good. Corn 4% poor; 25% fair; 59% good; 12% excellent. Grain sorghum 5% poor; 29% fair; 51% good; 15% excellent. Rice 18% fair; 45% good; 37% excellent. Other crops: Sugarbeets 100% planted; 100% 1994; 99% avg. Peanuts 10% planted; 9% 1994; 8% avg. Soybeans 40% planted; 30% 1994; 35% avg. Sunflowers 17% planted; 16% 1994; 25% avg.

**Commercial Vegetables:** Rio Grande Valley: Onion harvest continued to wind down. Cantaloupe harvest beginning. Other vegetable harvest

continued. San Antonio-Winter Garden area: Onion harvest increased. Other vegetable progress good. East Texas: Sweet potato growth has been slow. Tomato, squash plants blooming. Trans-Pecos: Irrigation operations continued. Cantaloupes putting on runners. Onion harvest continued. High Plains: Potatoes, onions made good progress. Pecans: Some spraying for casebearers underway while many producers await first arrival. A good crop expected most areas. Peaches: Hill Country crop looks good as harvest of early varieties nears. Some areas continued to report insect problems.

**Range and Livestock:** Range, pasture conditions improved with rainfall last week. Increased haying operations occurred. Some spraying still occurring. Livestock remained good. Markets still weak.

**UTAH:** Temperature maximums averaged 9° below normal; minimums 2° below normal. Once again, precipitation was moderate to heavy throughout entire State.

Days suitable for fieldwork 3.4. Topsoil moisture 5% short, 56% adequate, 39% surplus. Subsoil moisture 4% short, 79% adequate, 17% surplus. Spring wheat: emerged 87%, 93% 1994, 91% avg. Barley: emerged 85%, 90% 1994, 90% avg. Oats: planted 66%, 85% 1994, 87% avg; emerged 47%, 65% 1994, 66% avg. Corn: planted 32%, 71% 1994, 61% avg. Alfalfa hay height 10.4 in., 12.7 in. 1994, 12.8 in. avg. Potatoes planted 16%. Range and pasture condition 10% poor, 8% fair, 57% good, 25% excellent. Cattle moved to summer range 16%, 27% 1994. Ewes lambing on range 81%. Sheep sheared on range 91%. Sheep moved to summer range 8%, 22% 1994. Rain, cold weather continued to slow small grains, corn planting, alfalfa growth. Increased weed problems have been reported due to rain. Increased cattle, sheep loss also reported due to cold, rainy weather.

**VIRGINIA:** Temperatures near normal. Extremes 30°; 88°. Precipitation near normal.

Days suitable for fieldwork 4.0. Topsoil 1% very short, 16% short, 67% adequate, 16% surplus. Other hay 6% very poor, 34% poor, 45% fair, 14% good, 1% excellent. Pasture feed 5% very poor, 18% poor, 45% fair, 31% good, 1% excellent. Alfalfa hay 1% very poor, 6% poor, 53% fair, 39% good, 1% excellent. Apple 6% fair, 87% good, 7% excellent. Peach 1% very poor 13% poor, 13% fair, 62% good, 11% excellent. Barley 3% poor, 35% fair, 56% good, 6% excellent. Wheat 5% poor, 38% fair, 49% good, 8% excellent. Tobacco greenhouse 3% fair, 54% good, 43% excellent. Tobacco planted 6% very poor, 15% poor, 23% fair, 49% good, 6% excellent. Corn 1% poor, 34% fair, 63% good, 2% excellent. Corn 69% planted, 73% 1994, 63% avg. Soybeans planted 9%, 13 1994, 8% avg. Peanuts planted 79%, 75% 1994, 65% avg. Cotton planted 96%, 98% 1994, 85% avg. Flue tobacco transplanted 57%, 56% 1994, 41% avg. Topsoil moisture supplies continued to improve during the week due to beneficial rains. Farm activities included planting corn, soybeans, cotton, peanuts, spraying for mildew and cereal leaf beetles in wheat, spraying orchards, harvesting hay.

**WASHINGTON:** Temperatures 2 to 7° above normal west; 4 to 9° above normal east. Precipitation 0.28 to 0.70 in. west; none to 1.68 in. east. Cool, wet, windy weather slowing crop progress.

Days suitable for fieldwork 4.2. Topsoil 3% short, 83% adequate, 14% surplus; subsoil 15% short, 70% adequate, 15% surplus. Irrigation water supply 70% adequate, 30% surplus. Early seeded winter wheat showed some cephalosporium stripe disease in many areas of the Palouse region. Heavy apple scab infection reported in Yakima Valley. Fruit thinning, disease prevention sprays in progress. Asparagus, radishes, rhubarb, spinach harvests in progress. Alfalfa behind schedule due to the cool, wet weather. Pastures and forage crops reported as growing fast. Cutting of green chop continued. Winter wheat, dryland 11% poor, 30% fair, 52% good, 7% excellent; irrigated, 1% fair, 72% good, 27% excellent. Spring wheat, dryland 30% fair, 69% good, 1% excellent; irrigated, 1% fair, 82% good, 17% excellent. Barley, dryland 49% poor, 39% fair, 12% good; irrigated, 10% fair, 90% good. Hay, other roughage supplies 2% very short, 17% short, 64% adequate, 17% surplus. Pasture feed 7% poor, 28% fair, 46% good, 19% excellent.

Spring wheat, 88% planted, 100% 1994, 98% avg.; 69% emerged, 99% 1994, 90% avg. Barley, 92% planted, 100% 1994, 96% avg.; 73% emerged, 97% 1994, 82% avg. Dry peas, 90% planted, 100% 1994, 93% avg. Potatoes, 86% planted, 100% 1994, 97% avg.; 48% emerged, 49% 1994, 59% avg. Alfalfa, first cutting, 5% harvested, 7% 1994, 11% avg.

**WEST VIRGINIA:** Temperature 60°. Extremes 30°; 87°. Precipitation 2.05 in. Temperatures normal in the north central, southwest, northeastern regions to 4° above normal in the central region. Precipitation 0.65 in. above normal in the northeastern region to 1.89 in. above normal in the southwest region. Greatest weekly total precipitation was 3.92 in. reported at Ripley.

Days suitable for fieldwork 3.1. Topsoil 8% short, 81% adequate, 11% surplus. Barley 2% poor, 29% fair, 68% good, 1% excellent; 61% headed. Wheat 2% poor, 16% fair, 79% good, 3% excellent; 10% headed, 27% 1994. Hay 7% very poor, 10% poor, 39% fair, 43% good, 1% excellent. Intended acreage prepared for spring planting 84%, 69% 1994. Corn planted 42%, 52% 1994, 45% avg.; 11% emerged, 30% 1994, 23% avg. Oats planted 67%, 90% 1994, 85% avg.; 47% emerged, 54% 1994, 63% avg. Soybeans planted 13%, 11% 1994, 5% avg. Tobacco beds seeded 98%, 100% 1994, 97% avg.; 89% emerged, 100% 1994, 90% avg.; 1% transplanted. Apples 100% good. Peaches 100% good. Cattle 13% fair, 84% good, 3% excellent, 94% cows calved. Sheep 8% fair, 88% good, 4% excellent, 95% ewes lambing. Hay, roughage supplies 1% very short, 10% short, 86% adequate, 3% surplus. Feed grain supplies 10% short, 89% adequate, 1% surplus. Weekly activities: Spreading fertilizer, lime, planting, repairing fences, calving, lambing, turning livestock out to permanent pasture, preparing equipment to harvest hay, general maintenance.

**WISCONSIN:** Temperature 53°, 2° below normal. Extremes 29°; 83°. Precipitation 1.40 to 2.30 in.

Days suitable for fieldwork 3.4. Soil moisture 2% short, 67% adequate, 31% surplus. Spring tillage 61%, N.A. 1994, N.A. avg. Oats planted 77%, 86% 1994, 75% avg. Corn planted 37%, 64% 1994, 46% avg. Range, pasture feed 1% very poor, 9% poor, 29% fair, 43% good, 18% excellent. Alfalfa freeze damage 42% none, 39% light, 13% moderate, 6% severe. Winter wheat freeze damage 66% none, 33% light, 1% moderate, 0% severe. Wet weather continued to hamper planting. Farmers resume planting as soon as soil moisture permits, rain showers often arrive at the same time. Warm weather at the end of the week helped to dry down soils, possibly allow for a lot of planting over the next week. Early planted oats were beginning to emerge. Farmers feel the alfalfa winter freeze damage was mainly due to the cold weather in early April after the warm weather in late March brought the alfalfa out of dormancy. Lack of snow cover, late cuttings were also factors in the damage. A few reporters mentioned that soybeans have been planted in their areas. Fruit trees are now beginning to blossom.

**WYOMING:** Temperatures 1 to 7° below normal across the State. Extremes low 24° Moran, Jackson; high 73° Newcastle. Rock Springs was the cold spot averaging 7° below normal. Precipitation 0.10 to 5.74 in. across State. Precipitation 0.20 to 4.90 in. above normal except few scattered southwest spots averaged slightly below normal. Alva had the greatest amount with 5.74 in.

Days suitable for fieldwork 1.8. Topsoil 100% adequate or better. Winter wheat 13% jointed. Spring wheat 50% planted, 83% 1994, 82% avg.; 27% emerged, 55% 1994, 51% avg. Oats 63% planted, 84% 1994, 79% avg.; 31% emerged, 55% 1994, 46% avg. Barley 86% planted, 92% 1994, 88% avg.; 67% emerged, 77% 1994, 70% avg.; jointed 4%. Sugarbeets 98% planted, 99% 1994, 97% avg.; 40% emerged, 60% 1994, 44% avg. Corn 51% planted, 73% 1994, 56% avg.; emerged 12%, 26% 1994, 12% avg. Potatoes 0% planted, 57% 1994, 57% avg.; 0% emerged, 6% 1994, 15% avg. Alfalfa prospects mostly good. Range flock ewes lambing 46%, 52% 1994; shorn 86%, 91% 1994. Lamb death losses 8% light, 65% normal, 26% heavy. Primary ranch and farm activities were to starting moving livestock to summer ranges, spraying grains for wheat aphids.

# International Weather and Crop Summary

## HIGHLIGHTS

May 7 - 13, 1995

**FSU-WESTERN:** Light to moderate rain over Ukraine and most of Russia continued to maintain favorable moisture for winter grains and spring-planted crops.

**FSU-NEW LANDS:** Spring grain planting began in Kazakhstan and adjacent areas of Russia where rain is needed for emergence.

**NORTHWESTERN AFRICA:** Unseasonably warm, dry weather favored winter grain maturation and early harvesting.

**EUROPE:** Widespread rain benefited reproductive winter crops and emerging summer crops.

**SOUTHEAST ASIA:** Moderate to heavy showers over Thailand and Vietnam benefited newly sown rainfed rice and corn but slowed the winter rice harvest.

**SOUTH ASIA:** Unseasonably heavy rain caused localized flooding and some crop damage to rice in southern India.

**SOUTH AFRICA:** Showers favored winter wheat germination and establishment.

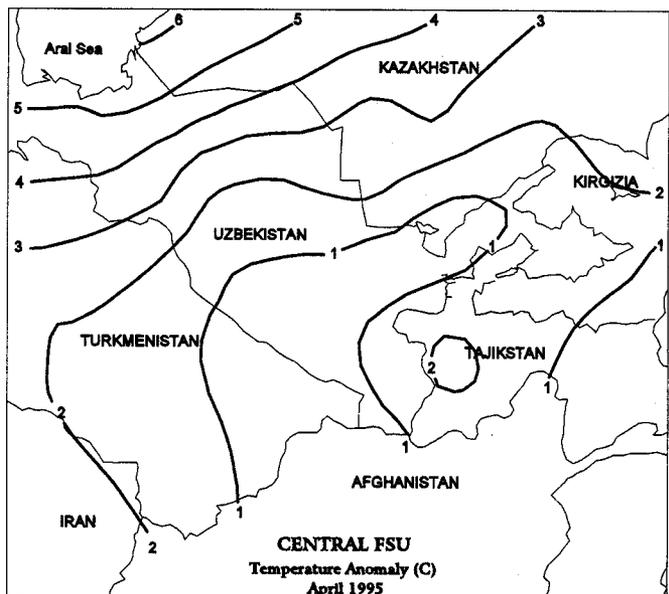
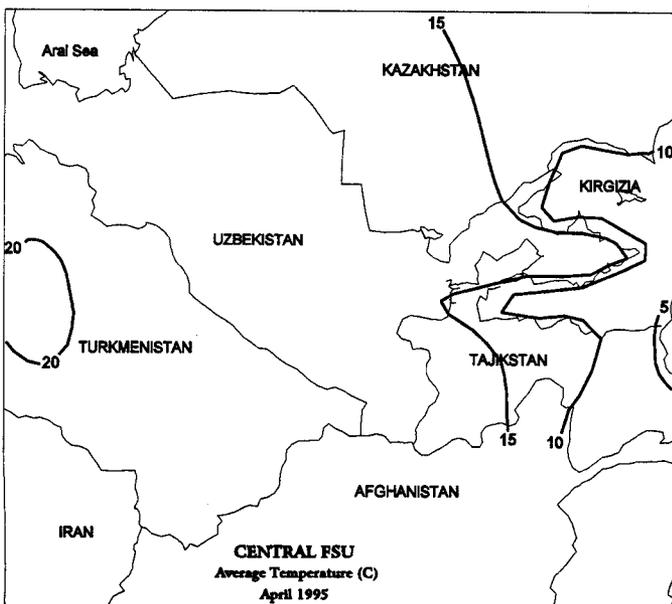
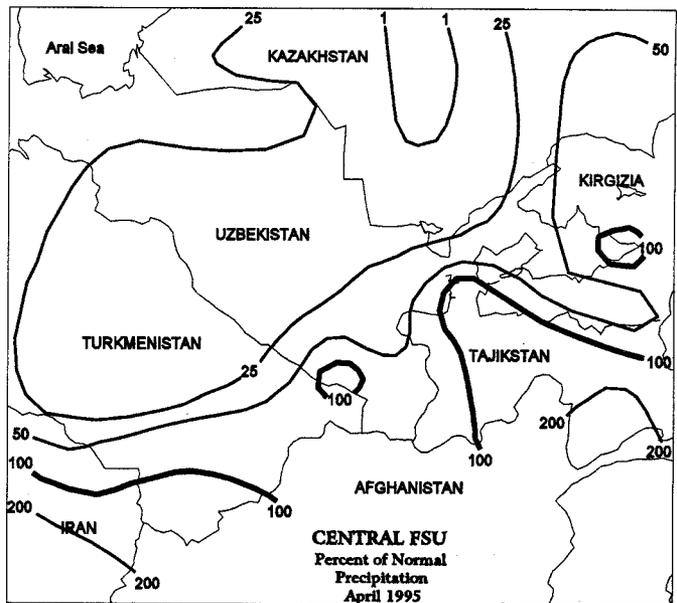
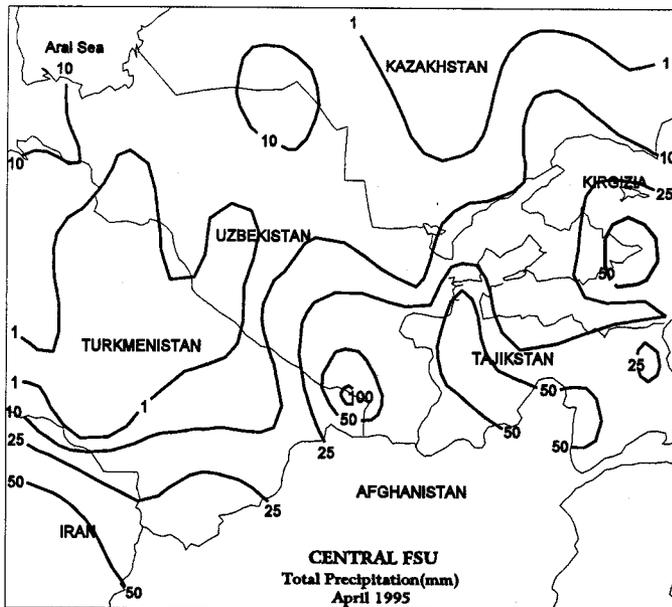
**EASTERN ASIA:** Light rain and seasonable temperatures prevailed across most of the main wheat belt, with supplemental irrigation needed for reproductive winter wheat.

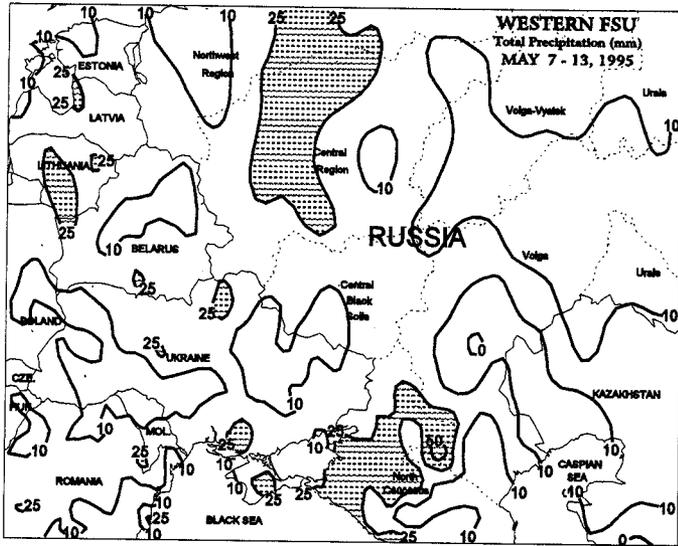
**AUSTRALIA:** Beneficial rain boosted topsoil moisture and spurred wheat planting.

**SOUTH AMERICA:** Dry weather favored summer crop harvesting in central Argentina, while scattered showers slowed harvest progress in southern Brazil.

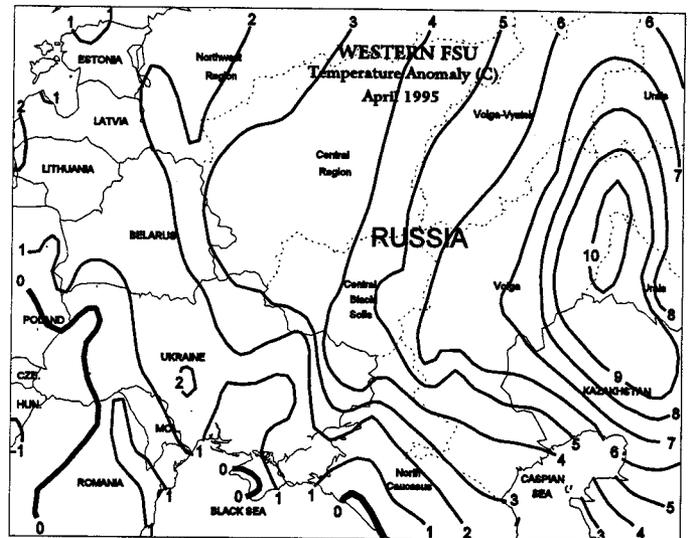
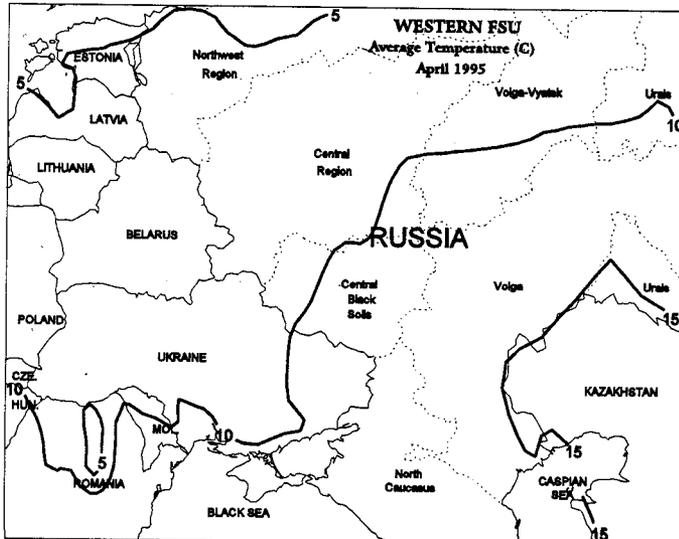
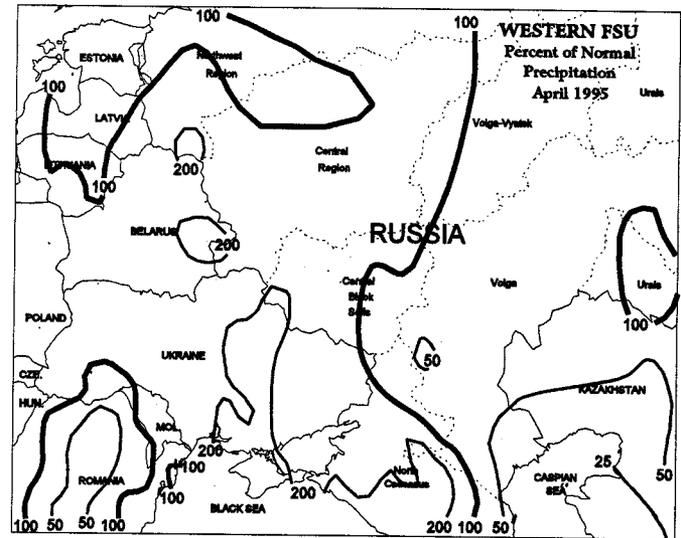
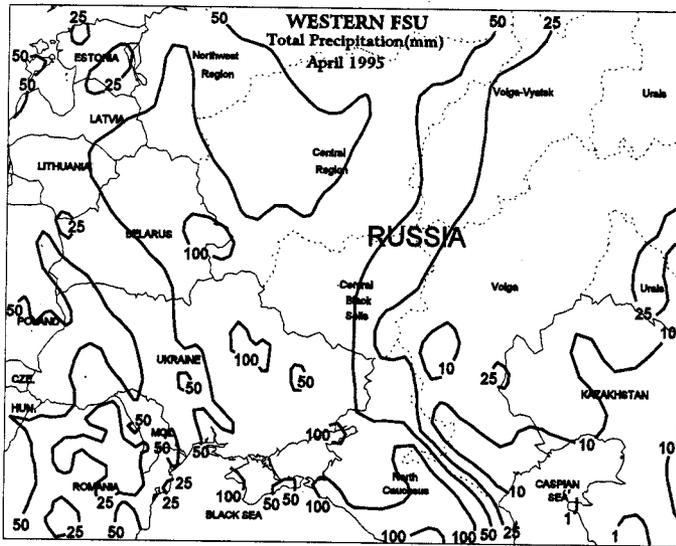
**CANADA:** Cold, damp weather hampered spring grain planting.

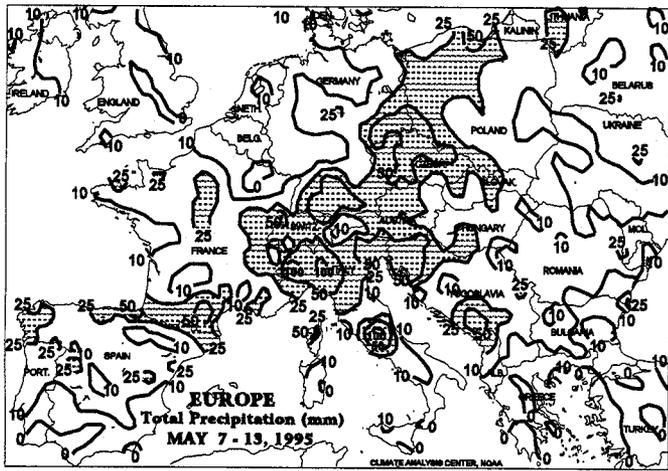
**MEXICO:** Hot, dry weather stressed winter sorghum across northeast Mexico.



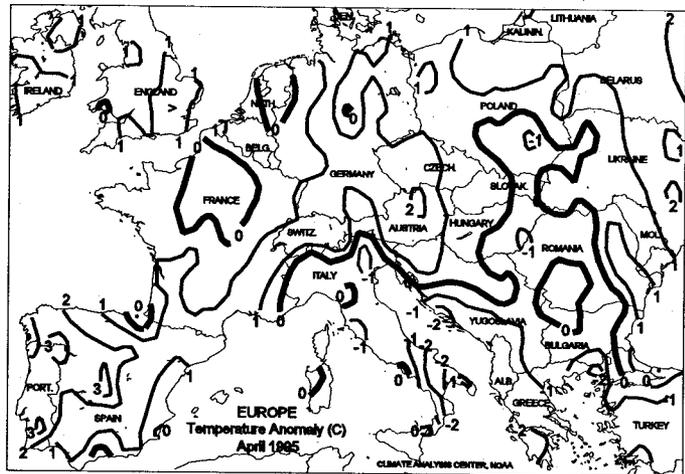
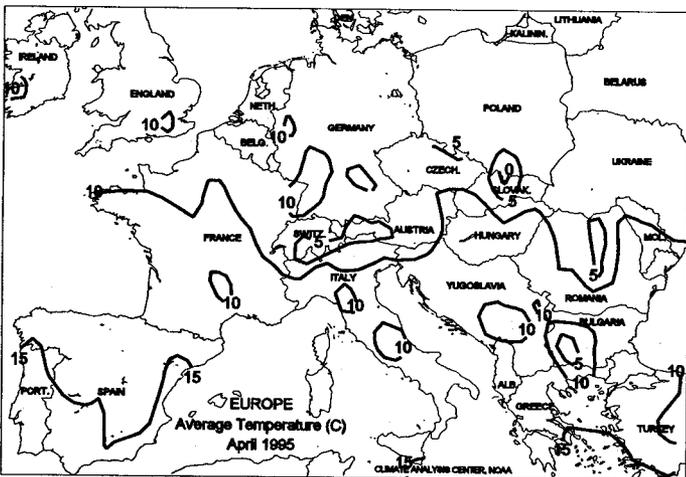
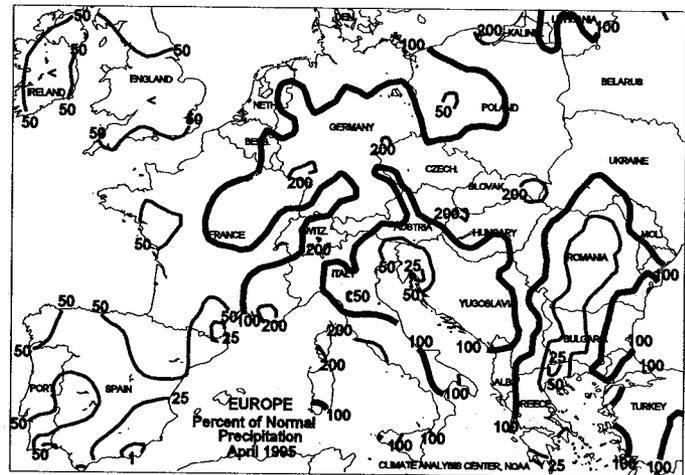
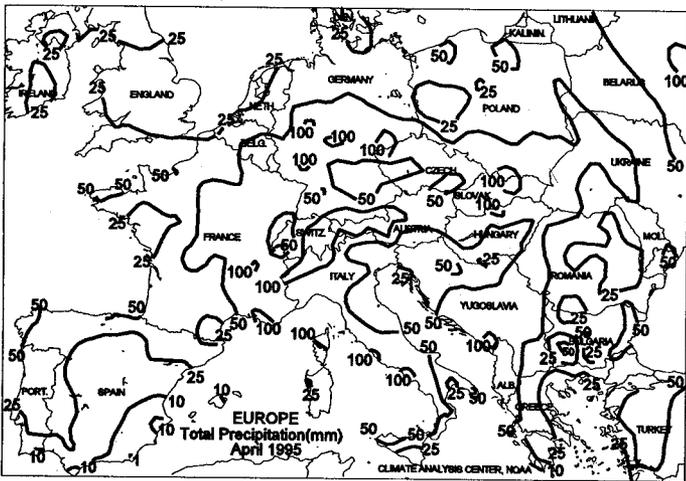


**FSU-WESTERN:** Light to moderate rain (5-24 mm) over Ukraine, Belarus, the Baltics, and most of Russia continued to maintain favorable moisture for winter grains and spring-planted crops. Wet, cool weather (11-42 mm) over southern Ukraine and the North Caucasus region in Russia was highly beneficial for winter grains that entered the heading stage of development. Reports indicate that spring grain planting in Russia continued to progress well ahead of last year's pace. Although below-normal rainfall in recent weeks in the Volga Valley and the Volga Vyatsk regions in Russia has helped planting, topsoils are becoming too dry for germination and establishment. In April, weather conditions favored crop development over most areas. Near- to above-normal precipitation fell over Ukraine, Belarus, and parts of Russia (North Caucasus, Central Black Soils Region, and Central Region). The precipitation was timely for winter grains and increased topsoil moisture for spring grain, sugarbeet, and sunflower planting. In mid-April, a period of unusually warm, dry weather began over most areas and continued until month's end, allowing spring grain planting to advance northward. By the end of April, crop progress for winter grains ranged from greening in the northern areas to jointing in Ukraine and central and southern Russia. Crop progress was about normal, except in the Volga Valley region in Russia, where above-normal temperatures in April accelerated crop development.

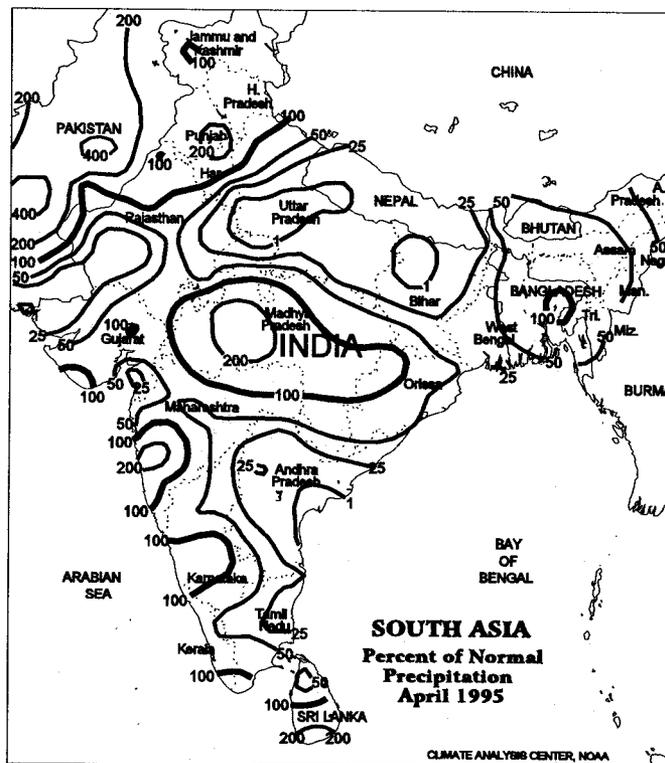
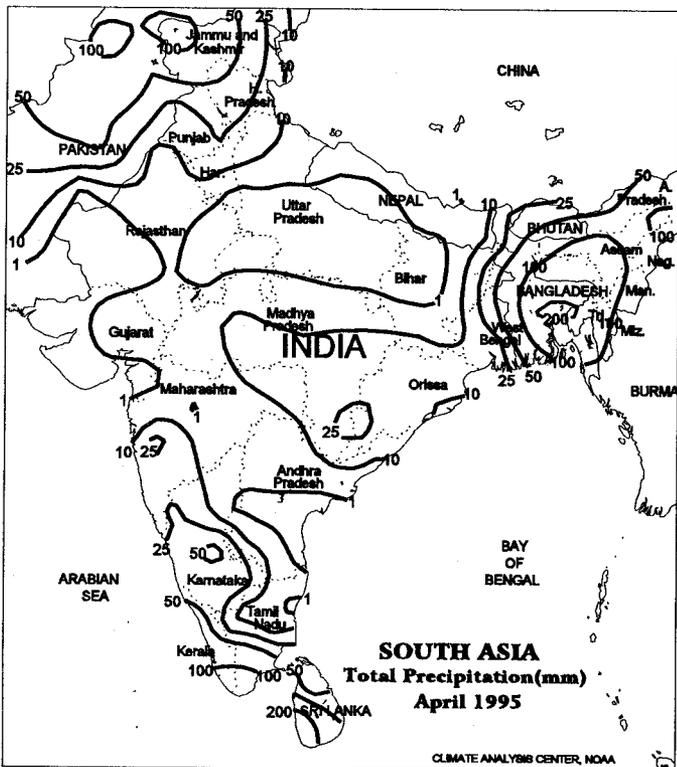
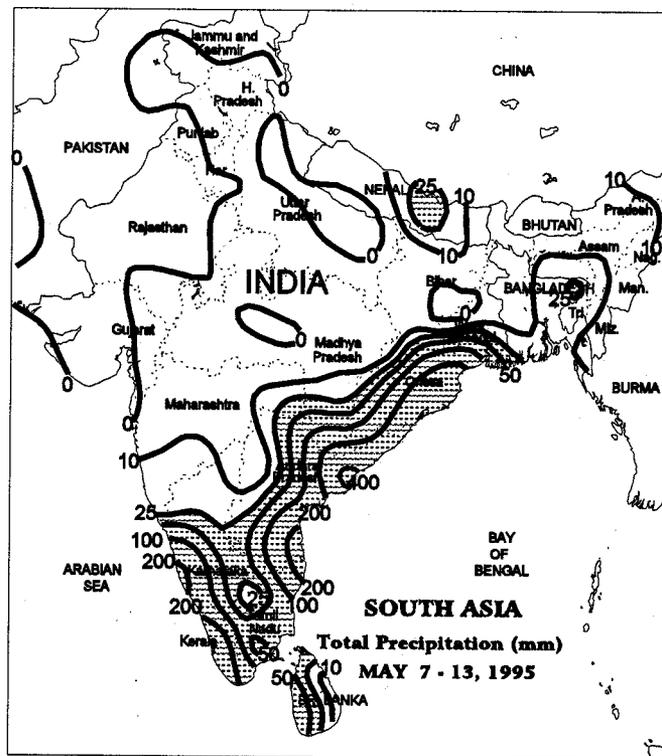


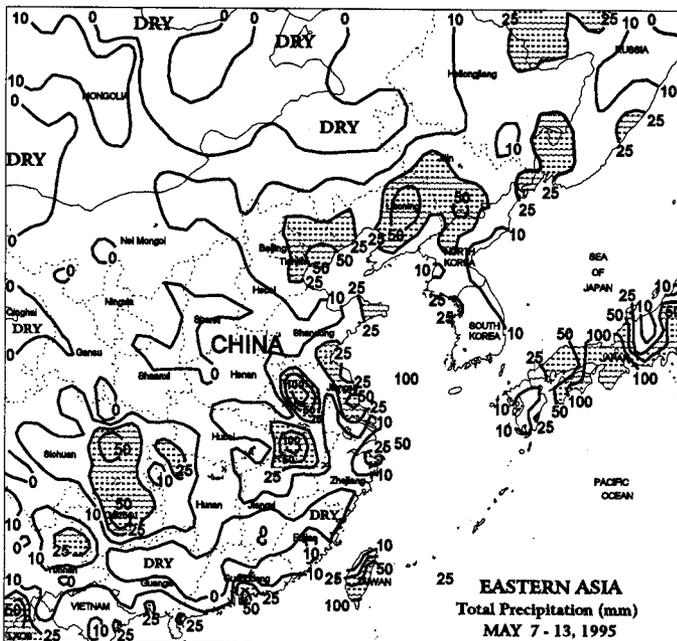
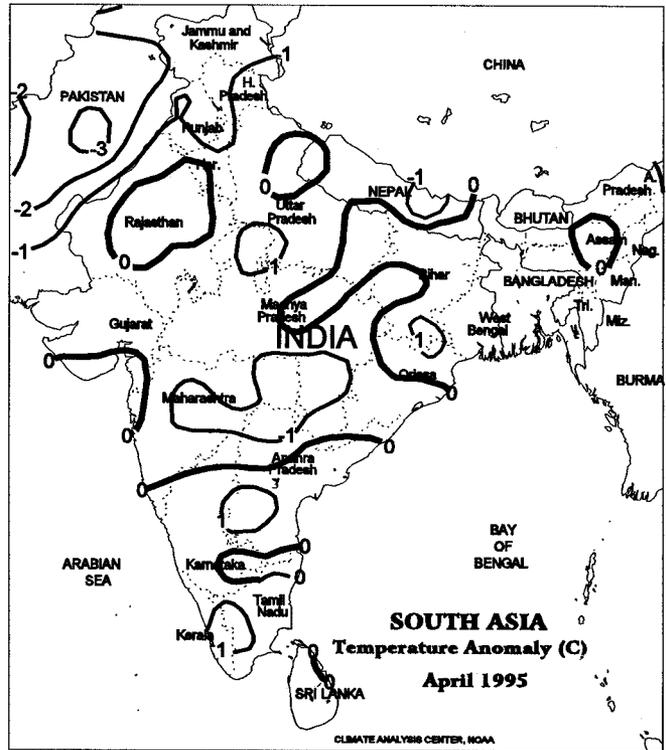
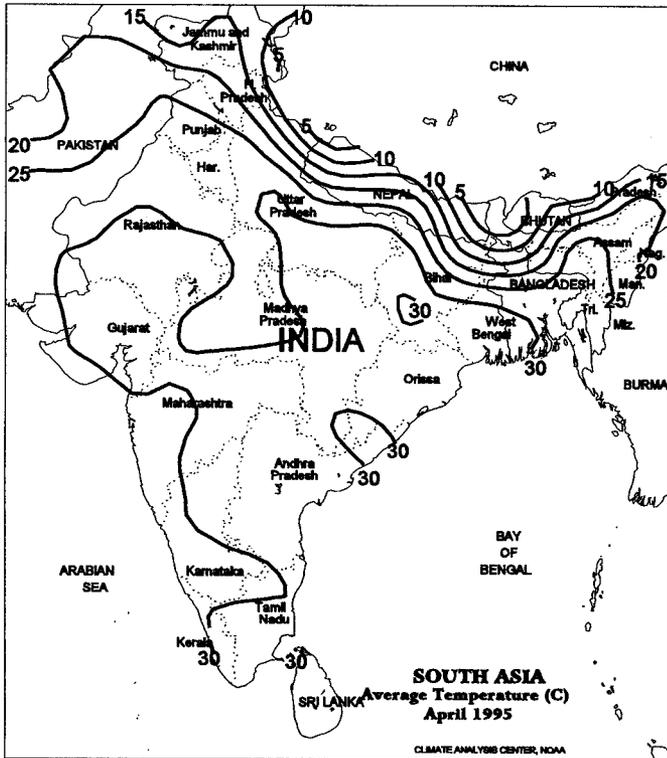


**EUROPE:** Widespread showers across much of Europe boosted topsoil moisture for spring grain establishment and summer crop emergence. Rainfall averaged 25 to 50 mm across northern Italy, with 50 to 100 mm soaking northwestern Italy. The moisture benefited winter wheat in the reproductive stage and corn growth, although local flooding likely occurred. Substantial rain (10-40 mm) also brought much-needed topsoil moisture to Poland, where recent dryness had reduced available moisture for crop development. Timely spring rain (10-25 mm) extended from France and Spain in the west to Hungary and Romania in the east. Rainfall in the Iberian Peninsula aided summer crops but came too late for drought-stressed maturing winter grains. Mostly dry weather (5 mm or less) was confined to the Benelux countries, extreme southern Spain, and Greece. A drying trend in recent weeks across the United Kingdom continued to reduce soil moisture for heading winter grains and spring grain growth. In April, generally favorable moisture prevailed for winter grains and summer crop planting, except for a drying trend that developed in extreme western and northern Europe and the persistent drought in the southwest. Below-normal monthly rainfall also occurred from Romania to Greece.

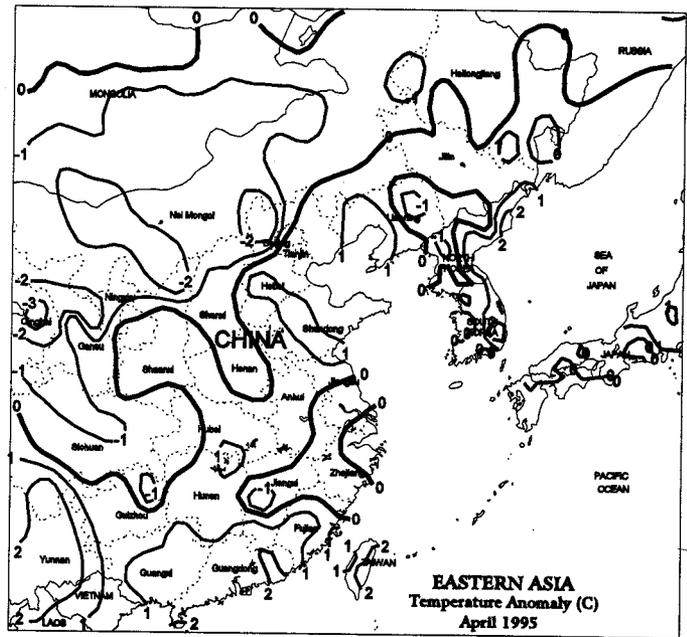
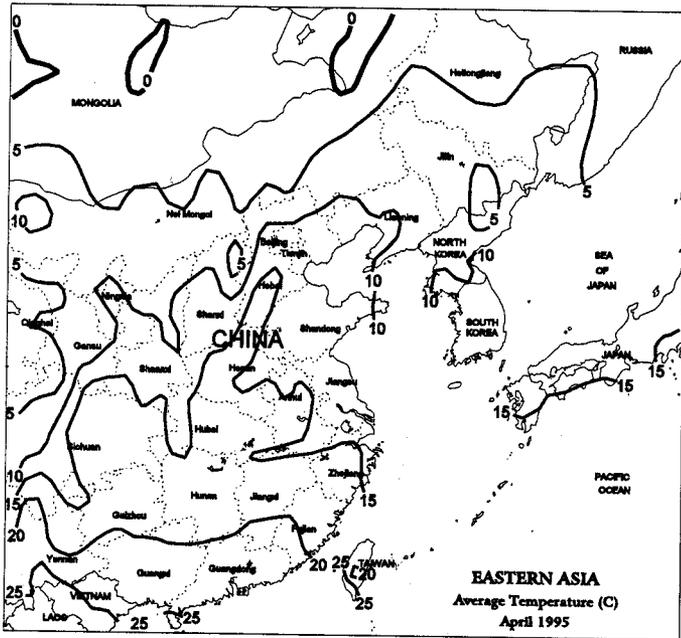
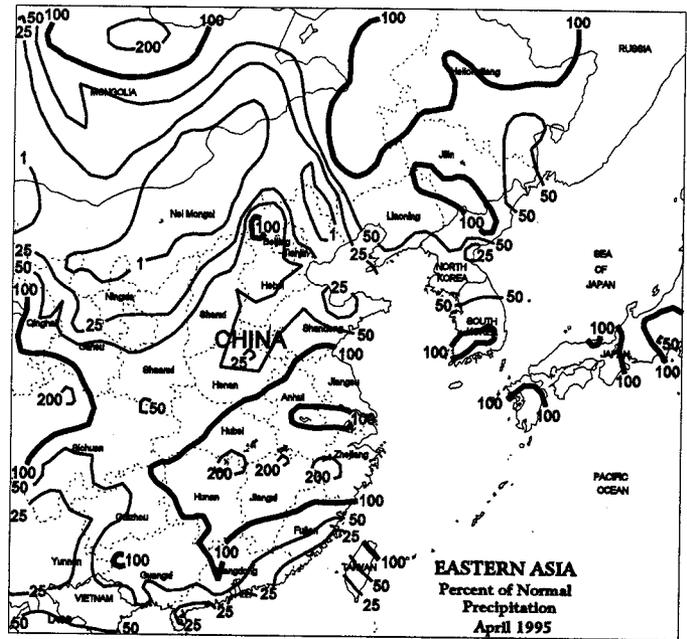
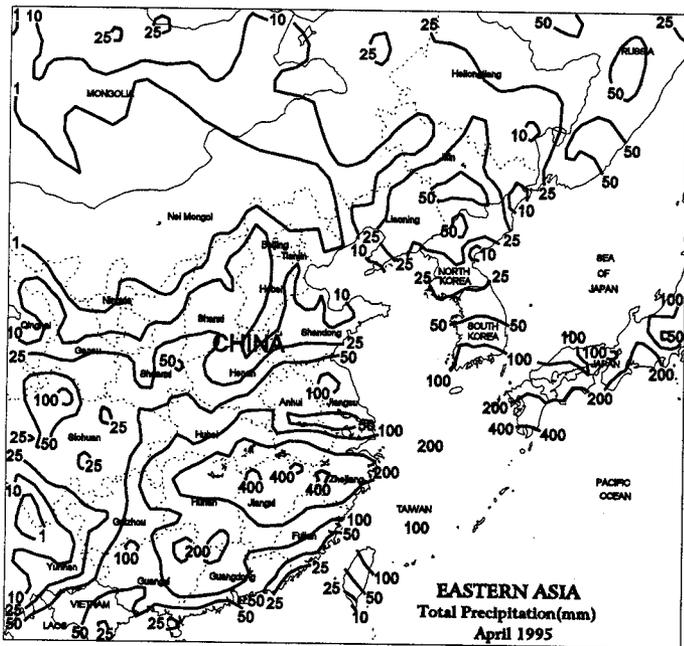


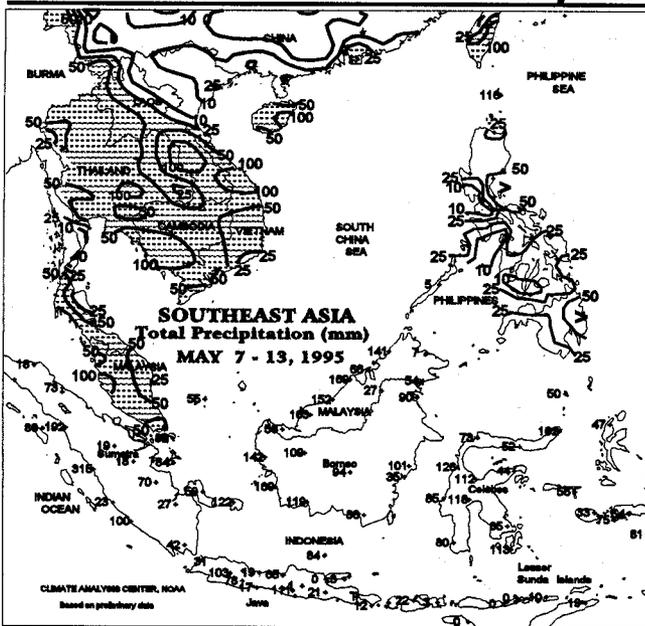
**SOUTH ASIA:** Unseasonably heavy showers (100-200 mm, with local accumulations exceeding 400 mm) caused localized flooding and some crop damage in southern India's rice areas. However, harvesting of the region's rice, oilseed, and cotton was likely nearing completion. The rain was caused by two storms that formed in the Bay of Bengal. In Bangladesh, where Boro rice harvesting and main-season rice planting was underway, the storms interrupted fieldwork. Dry, seasonably hot weather elsewhere favored winter grain and oilseed harvesting. In April, wet weather in Pakistan hampered winter wheat harvesting. April rain in eastern India and Bangladesh, and by month's end in southwestern India, increased irrigation reserves for rice planting but slowed winter rice harvesting. India's winter grain and oilseed harvesting progressed with only minor delays, although northernmost wheat areas experienced some locally severe weather early in the month.



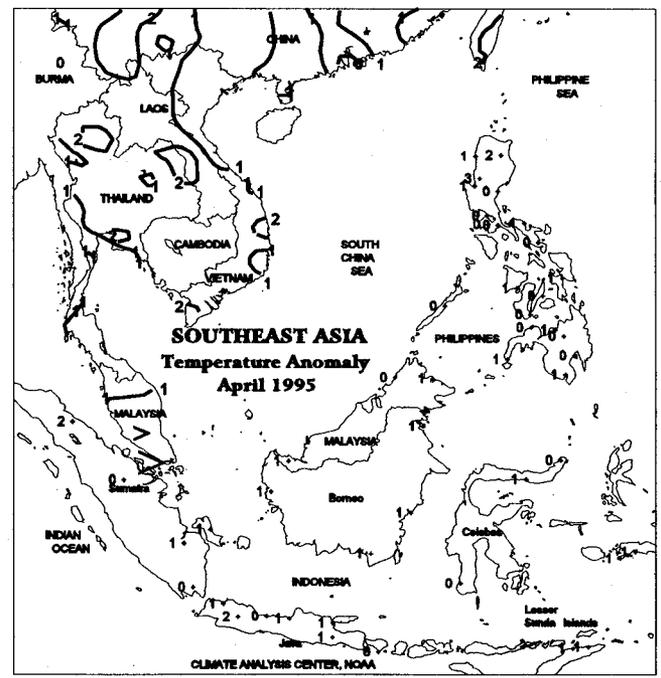
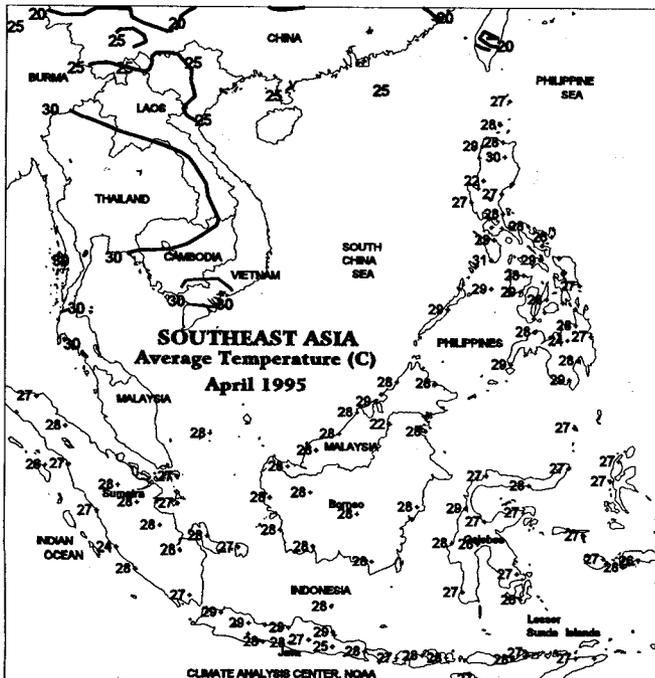
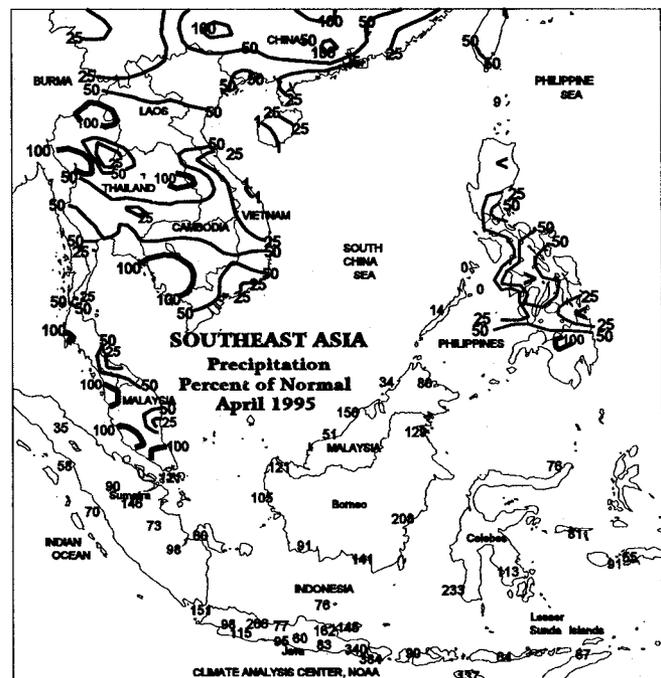
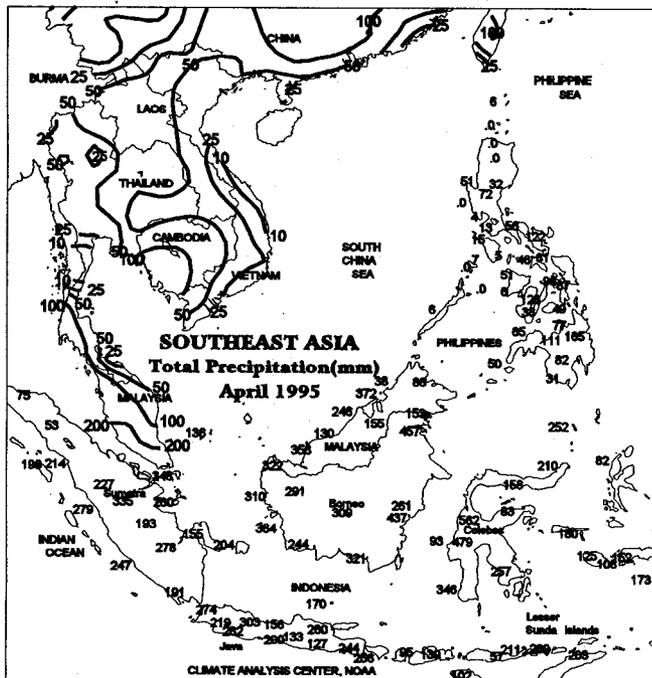


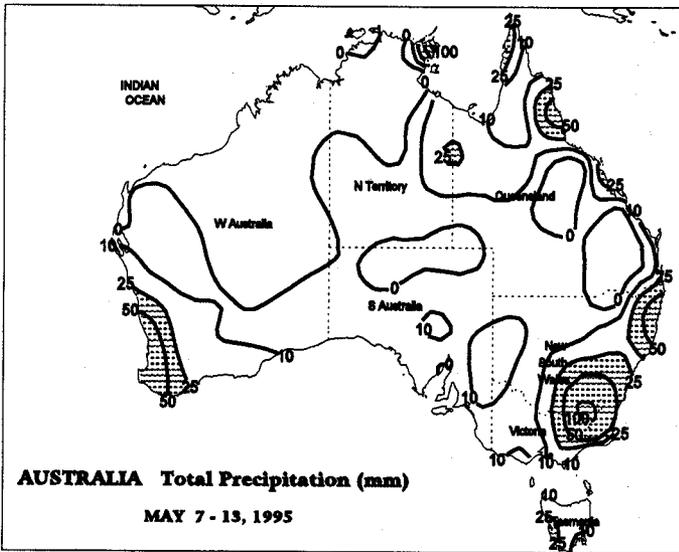
**EASTERN ASIA:** Light rain (3-10 mm) fell across the main wheat belt of the North China Plain (southern Hebei, western Shandong, and northern and central Henan), bringing only some relief to reproductive winter wheat. Mostly dry weather the past 3 weeks has stressed rainfed wheat, but favored summer crop planting. However, for most of the wheat crop, supplemental irrigation usually supplies the remaining moisture needed for adequate growth and reproduction. Near-normal temperatures helped to keep evapotranspiration rates at normal levels. Heavier rain (10-30 mm) benefited winter wheat across eastern Shandong, Anhui and Jiangsu, and northern Hebei (including the Beijing area). Widespread light to moderate rain (10-30 mm) increased topsoil moisture for summer crop planting across Manchuria. Light to moderate showers (10-25 mm) aided filling winter wheat across central Sichuan and Guizhou. Mostly sunny, dry weather prevailed across southern China, favoring early double-crop rice. Light to moderate rain (10-25 mm) fell across North and South Korea. Widespread moderate rain (30-75 mm) covered southern Japan, with portions of southern Honshu receiving heavy rain (100-175 mm) causing some local flooding. In April, below-normal rainfall (less than 50 percent of normal) increased irrigation demand for wheat across China's main wheat belt. However, the southern wheat areas (Anhui and Jiangsu) and most of the Yangtze Valley benefited from near- to above-normal April rainfall. Manchuria reported near normal rainfall along with most of South Korea and Japan, with North Korea receiving near- to below-normal rainfall.



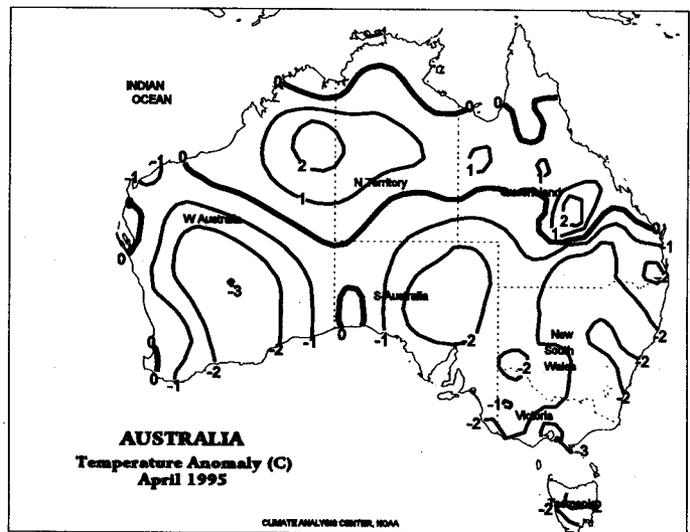
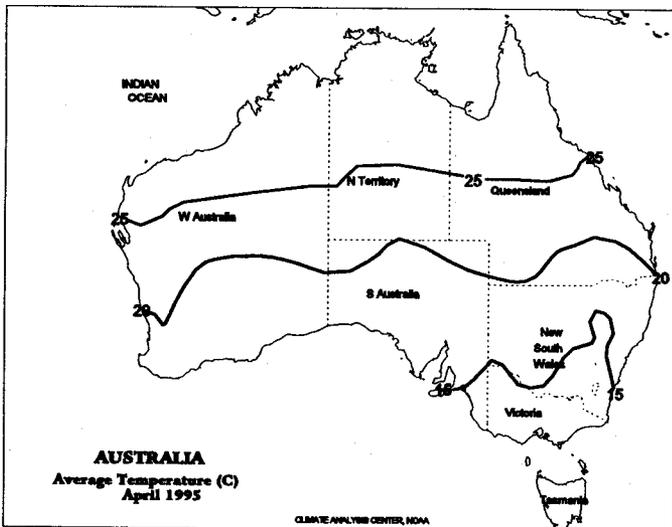
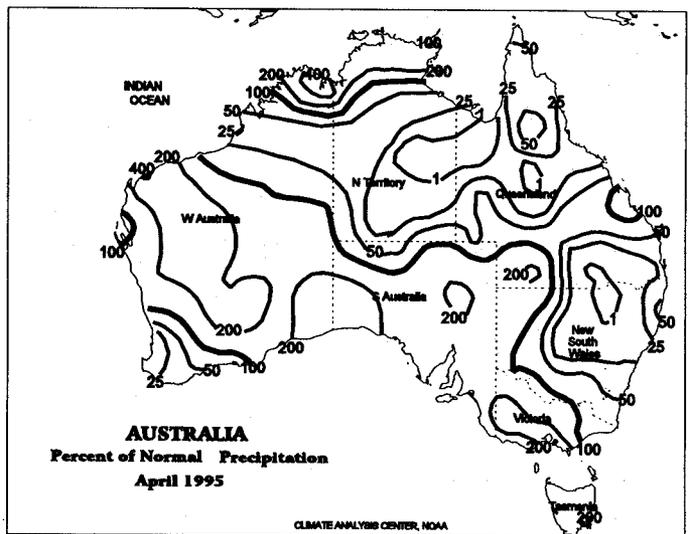
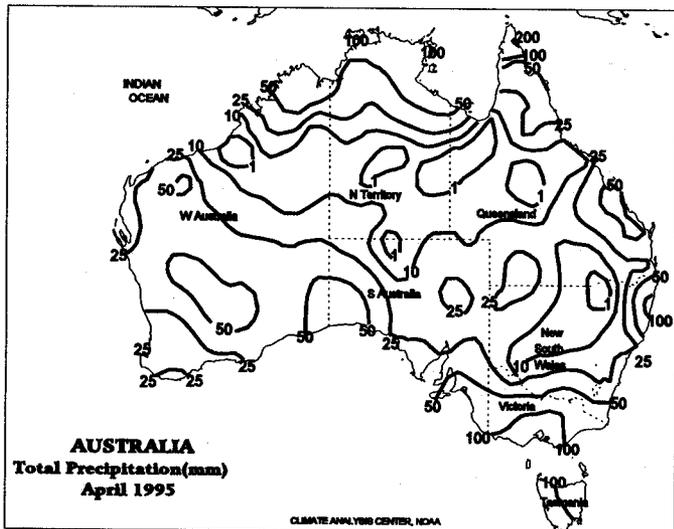


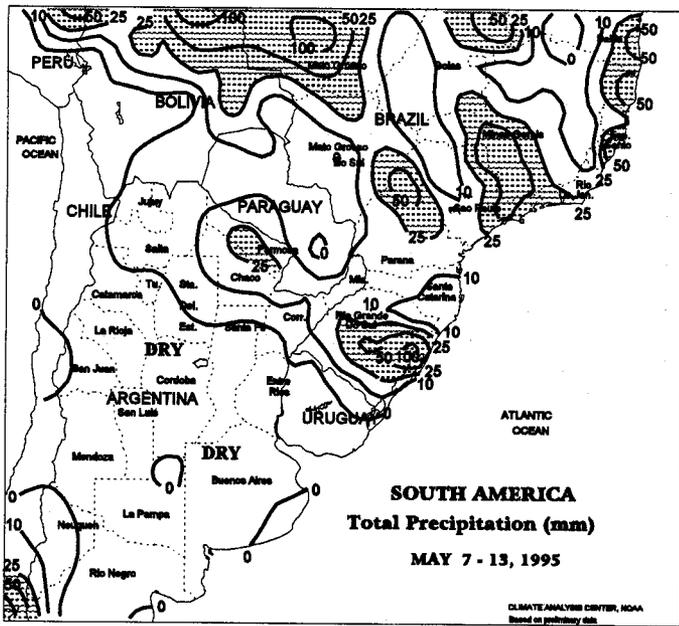
**SOUTHEAST ASIA:** Moderate to heavy showers (25-100 mm, with local amounts in excess of 100 mm) covered most grain areas in Thailand and Vietnam. Although the rain slowed winter rice harvesting, it benefited newly sown rainfed rice and corn. Farther south, rainfall increased over the Malay Peninsula, with moderate rain (25-50 mm) finally reaching southeastern oil palm areas. Local flooding from heavy showers (50-100 mm) was likely elsewhere in Malaysia. Rainfall diminished over eastern Java, while western areas continued to receive more than 50 mm. Light showers in the central Philippines favored emerging rice, corn, and sugarcane. April rainfall averaged below normal over Indochina but, by month's end, showers increased to seasonal levels, bringing some relief from temperatures averaging 1 to 2 degrees C above normal (highs in the low 40's C). Except for a dry pocket in eastern oil palm areas of the Malay Peninsula, rainfall was generally near normal in Malaysia and Indochina. Flooding from local heavy rain persisted over Java. Sparse April showers over the Philippines favored fieldwork but reduced moisture reserves for main season crop establishment.



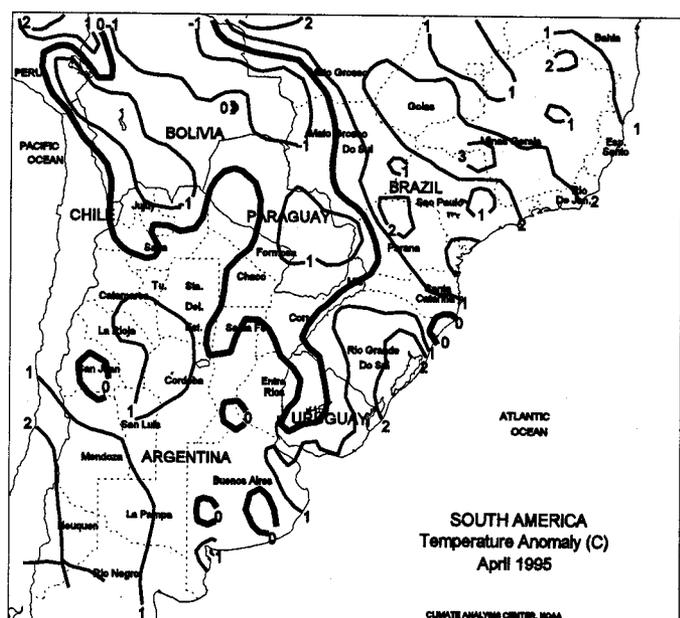
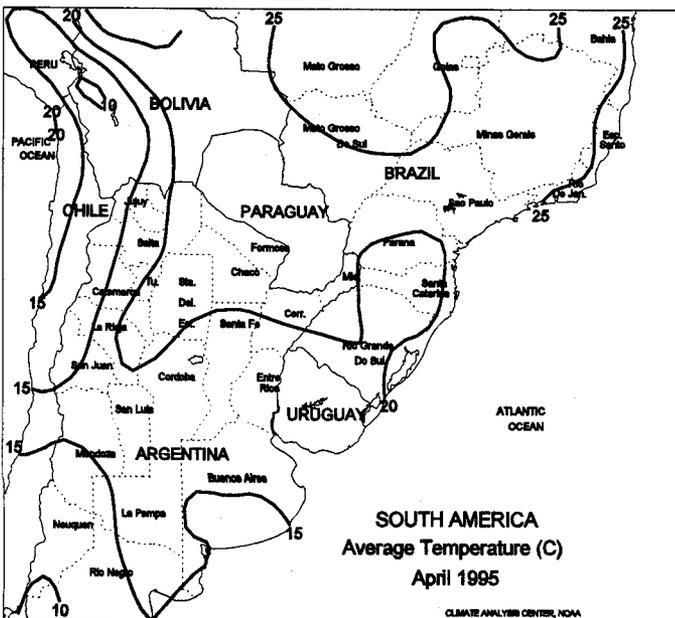
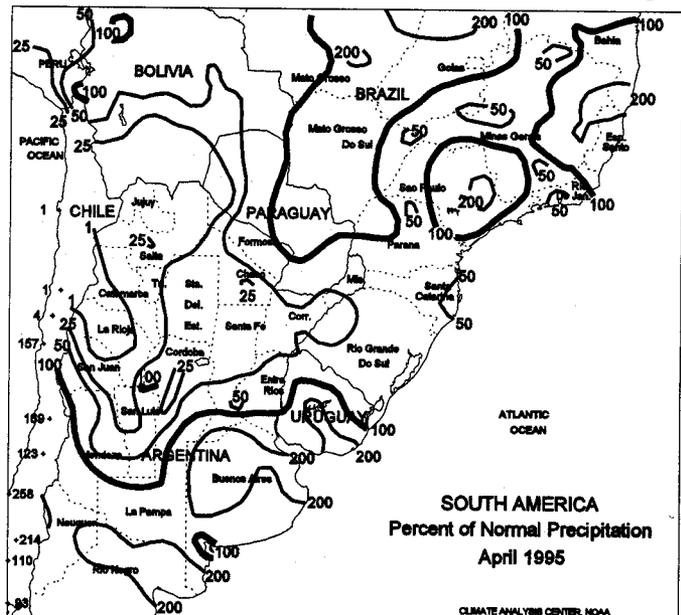
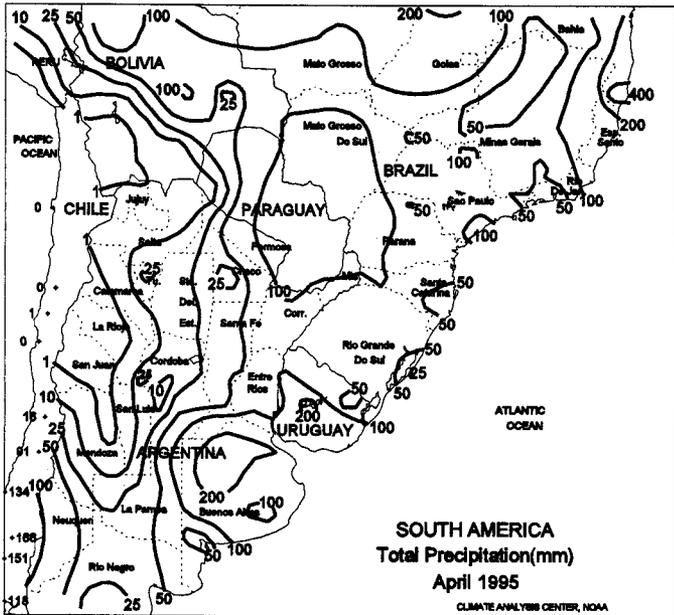


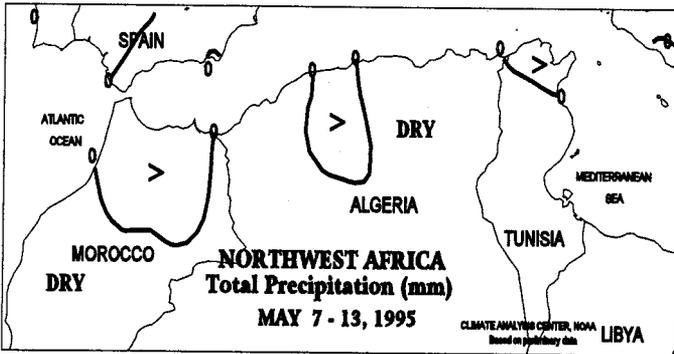
**AUSTRALIA:** Beneficial rain (10-50 mm, with amounts greater than 100 mm in the higher elevations) again fell across central and southern New South Wales and Victoria, increasing topsoil moisture for winter wheat planting. In fact, drier weather is needed to allow planting to begin in earnest. Dry weather prevailed across northern New South Wales and southeastern Queensland, allowing summer crop harvesting to progress. However, this region has recently missed the most significant rainfall. Light to moderate rain (10-30 mm) fell across interior southwestern Western Australia, bringing much-needed soil moisture for wheat planting. Variable showers (15-80 mm) benefited sugarcane and irrigation supplies across Queensland's northeast coast. Weekly temperatures averaged 2 to 3 degrees C above normal across most of interior eastern Australia. In New Zealand, light rain (5-15 mm) fell across the central North Island and northern South Island. During April, rainfall averaged below normal across most of eastern Australia, including the northeast coast of Queensland and southwestern Western Australia, reducing available moisture for wheat and sugarcane. Near- to above-normal rainfall boosted soil moisture for wheat planting across Victoria and South Australia.



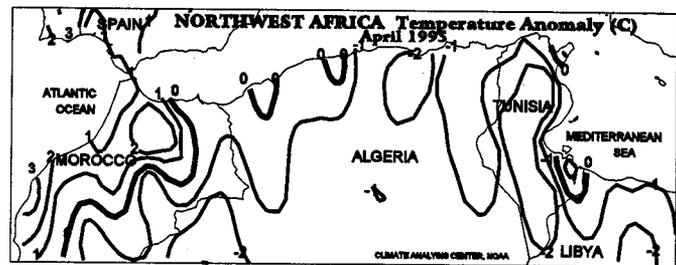
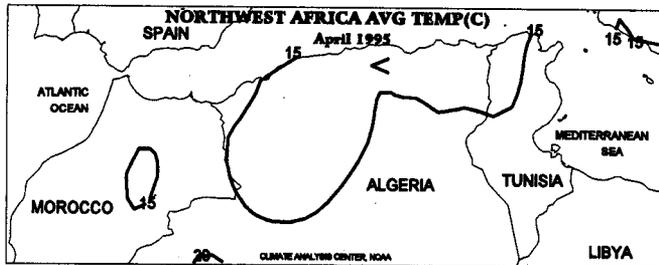
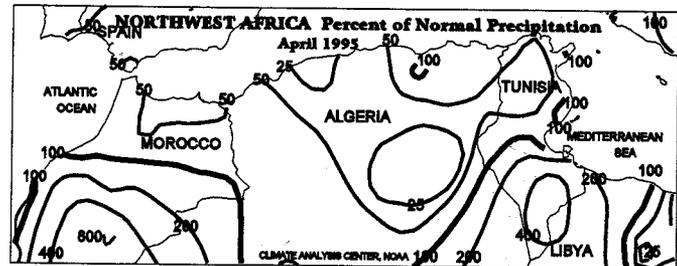
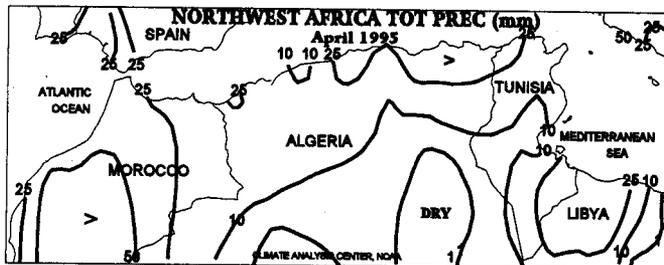


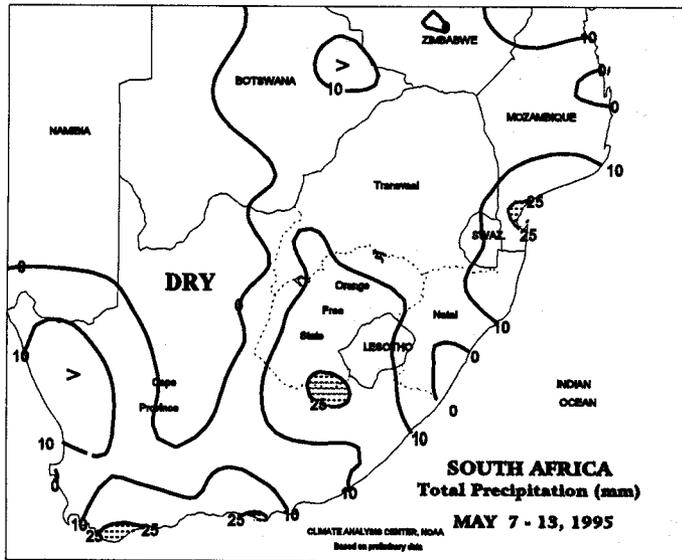
**SOUTH AMERICA:** Dry weather favored summer crop harvesting and early winter wheat planting across central Argentina. Light to moderate rain (10-30 mm) slowed cotton harvesting across the north. Above-normal temperatures (1-3 degrees C above normal) aided in drying down mature summer crops. In southern Brazil, scattered showers (20-50 mm) slowed corn and soybean harvesting. North-central Sao Paulo received moderate showers (20-50 mm), aiding citrus. After a slow start to the rainy season in Sao Paulo, consistent seasonal rainfall since November alleviated any moisture deficits. Moderate showers (30-70 mm, with isolated amounts greater than 100 mm) fell across Espirito Santo and eastern Bahia, favoring coffee and cocoa. Temperatures averaged near normal across the main summer crop regions of southern Brazil. Mostly dry weather aided summer crop harvesting across southern Paraguay. In April, heavy rains early in the month delayed summer crop harvesting across central Argentina, but boosted soil moisture for upcoming winter wheat planting. Subsequent drier weather favored fieldwork. Near- to below-normal April rainfall aided summer crop maturation and harvesting across extreme southern Brazil (Rio Grande do Sul, Santa Catarina, and southern Parana) and southern Paraguay. Elsewhere in southern Brazil, near- to above-normal rainfall slowed harvesting.



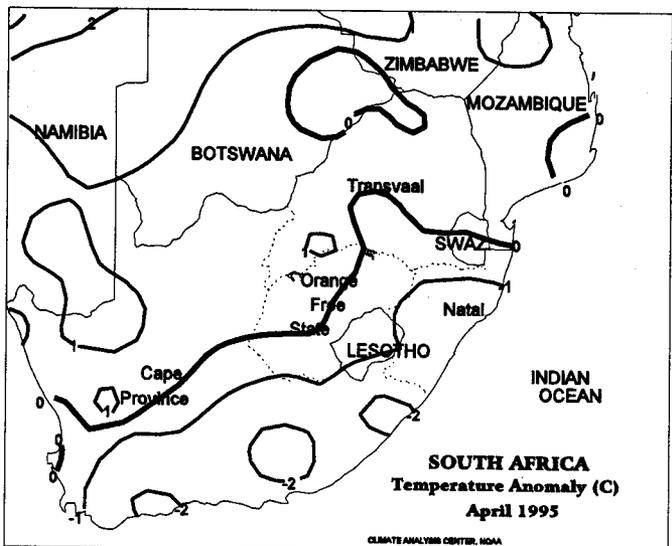
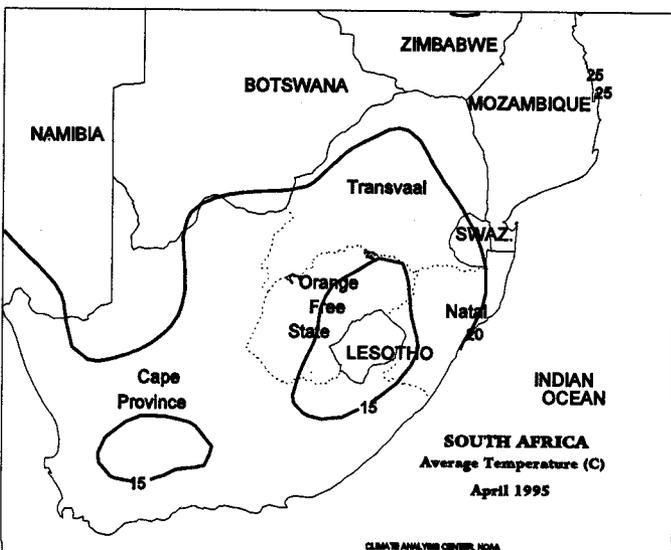
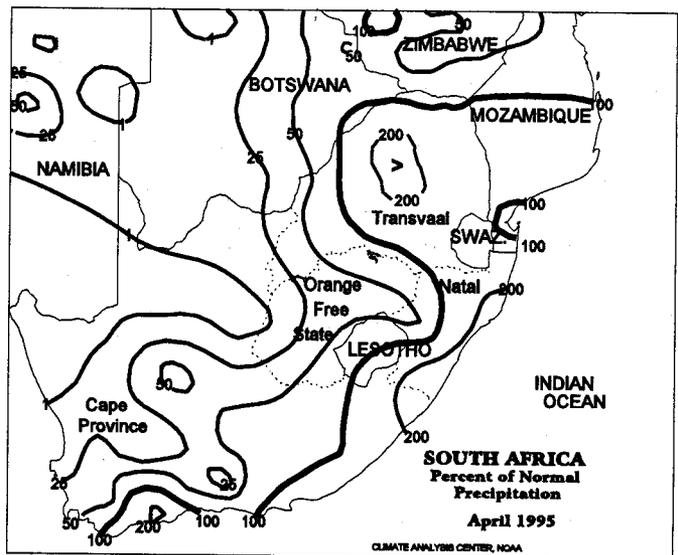
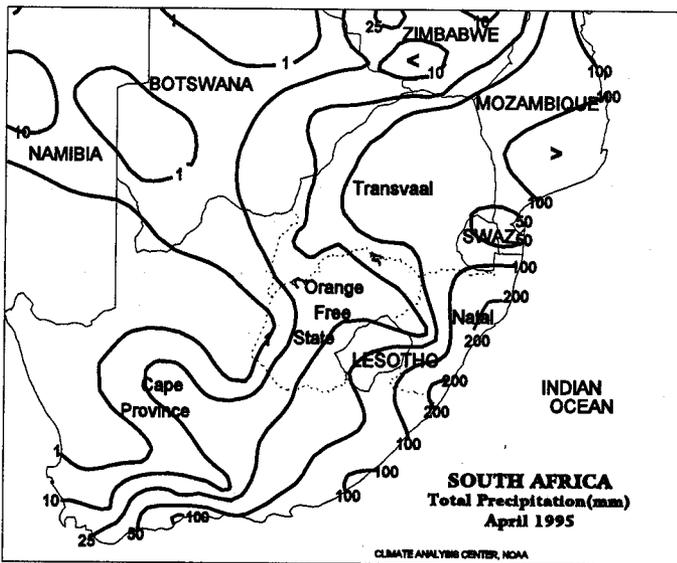


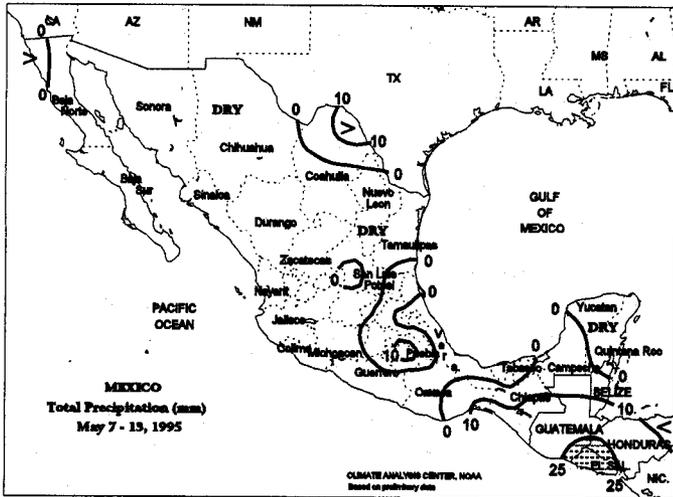
**NORTHWESTERN AFRICA:** Dry weather was accompanied by above-normal temperatures over Morocco, Algeria, and Tunisia, favoring winter grain maturation and early harvesting. Weekly average temperatures over the region were 2 to 5 degrees C above normal over these areas. In April, below-normal precipitation continued over Morocco, Algeria, and Tunisia, causing further declines in yield potential for winter grains in the filling stage. Reviewing the season, unrelenting drought covered Morocco during the growing season, causing significant reductions in winter wheat and barley yields. In Algeria, early-season wetness was followed by unfavorably dry weather during the typical planting months of November-December. The dryness hampered planting and crop emergence. Although timely rain in early March stabilized conditions for crops in or nearing reproduction, below-normal precipitation since March 17 limited yield prospects. In Tunisia, unfavorably dry weather during planting was followed by insufficient rainfall during the remainder of the growing season, lowering yield prospects for winter grains. The driest weather covered crop areas in central and southern Tunisia. Weekly coverage of Northwestern Africa will be discontinued until winter wheat planting begins next fall.



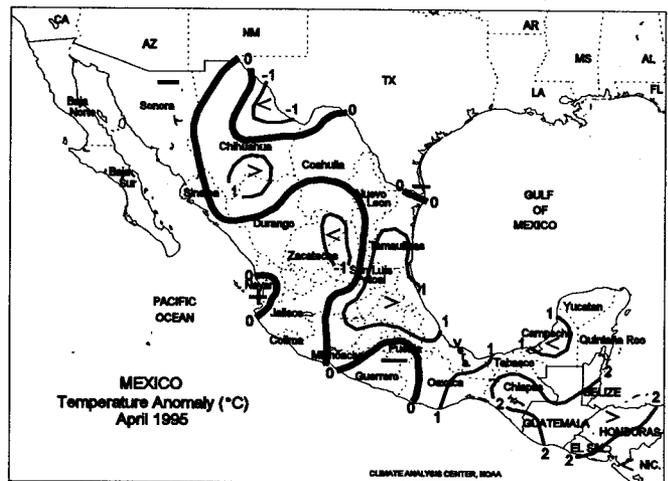
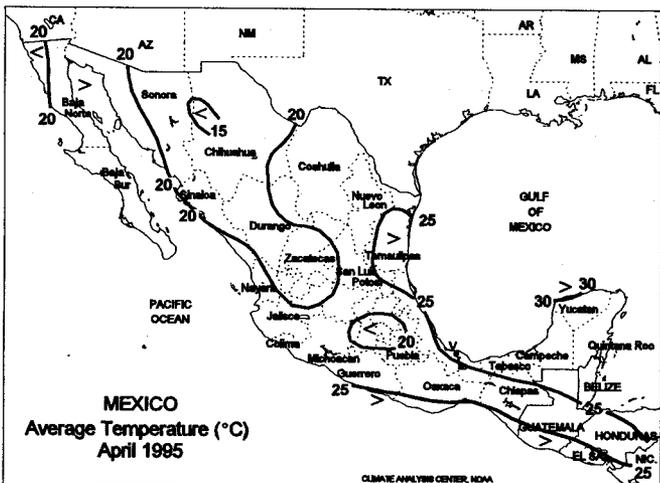
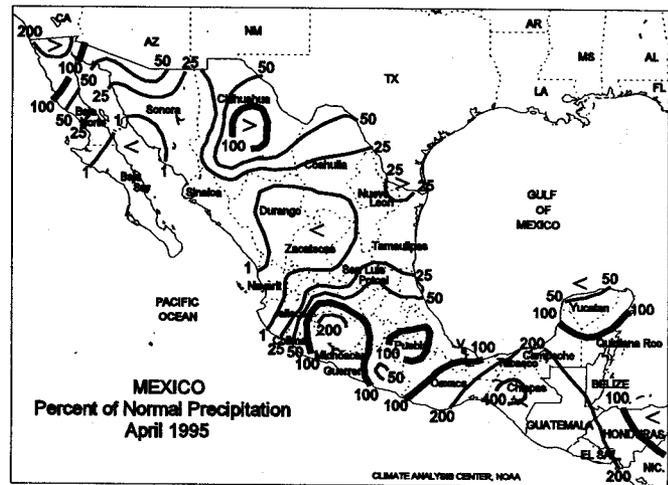
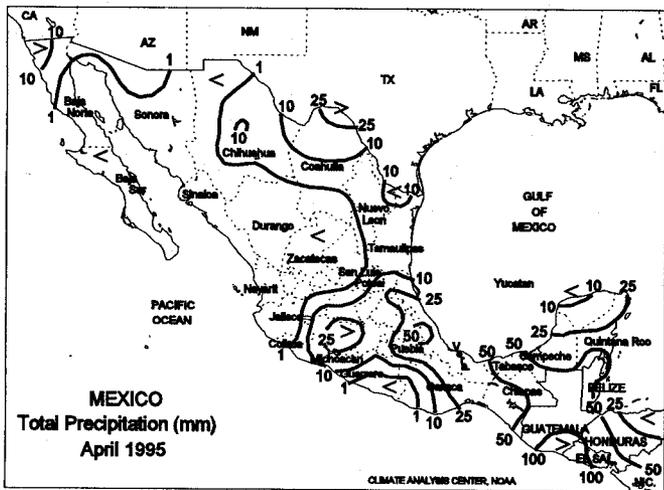


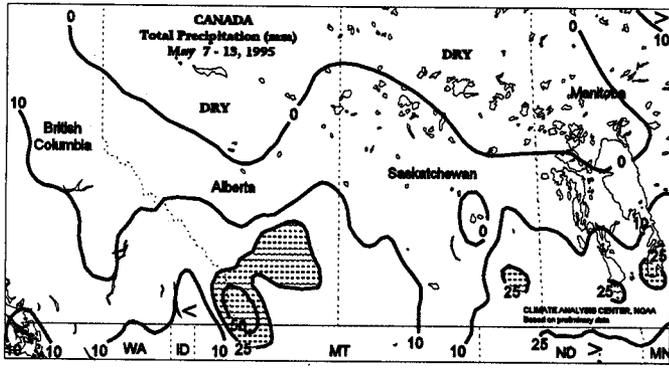
**SOUTH AFRICA:** Scattered, mostly light rain (5-25 mm) covered the major grain areas, increasing topsoil moisture for winter wheat germination. Temperatures averaged near to below normal, but no hard freezes were recorded. Little, if any, rain covered sugarcane regions of Kwazulu/Natal, favoring harvesting. In April, rainfall was near to above normal in sections of the eastern corn belt, increasing moisture reserves for winter wheat but keeping mature corn unfavorably wet. Drier conditions in the western corn belt favored maturing summer crops. In North West Province, occasional, albeit below-normal showers, and lack of a hard freeze favored late-developing corn. In Kwazulu/Natal, April's cool, wet weather (temperatures 1-2 degrees C below normal, rainfall totaling 100-200 mm or more) provided some late-season moisture for sugarcane. Weekly coverage of South Africa is being discontinued until October, when corn planting typically begins.



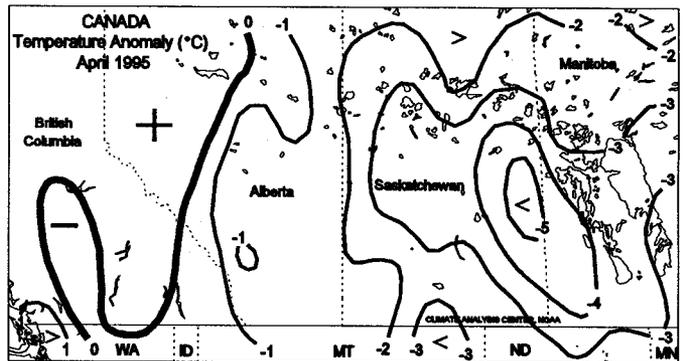
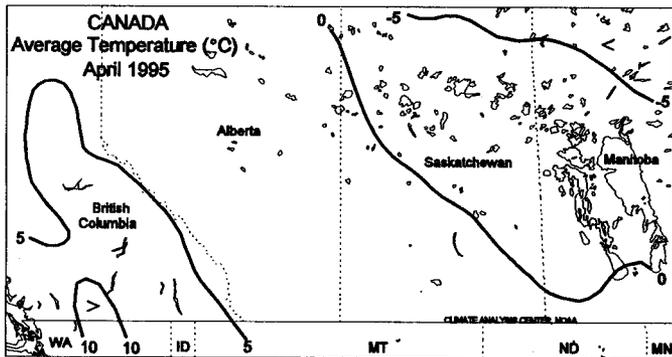
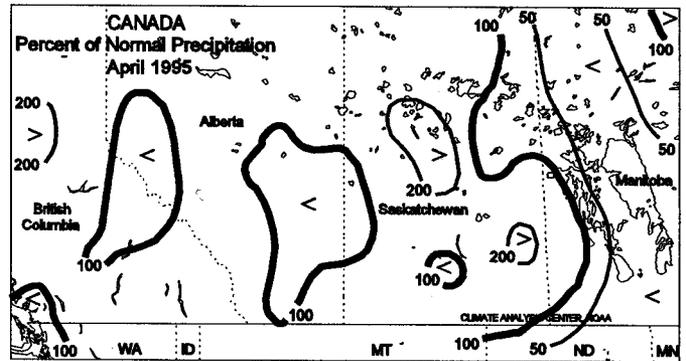
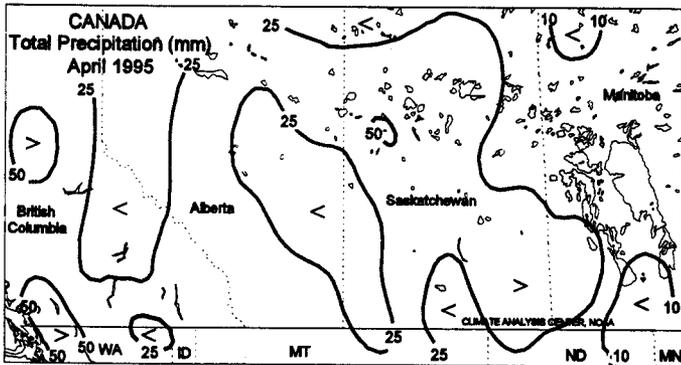


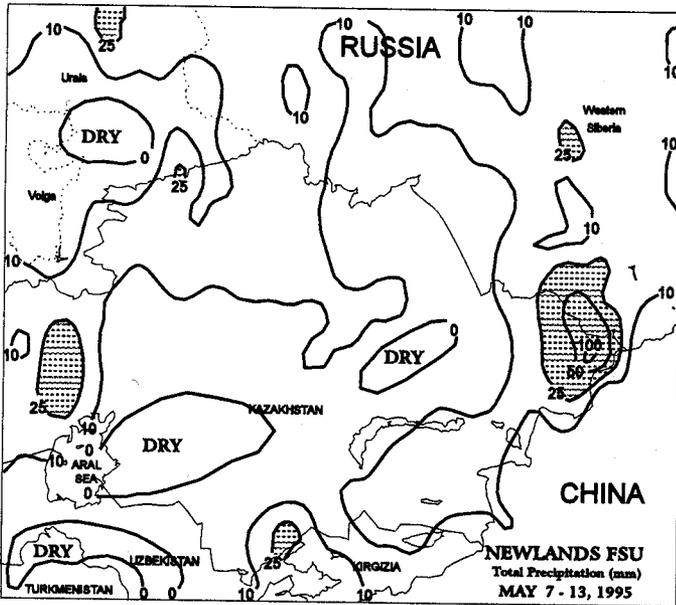
**MEXICO:** Hot, dry weather stressed winter sorghum across northeast Mexico. Maximum temperatures reached 40-44 degrees C (3-5 degrees C above normal) across the northeastern states of Coahuila, Nuevo Leon, and Tamaulipas. Winter sorghum is typically planted in February and March and is harvested in June. Only isolated light showers fell across southern Mexico. The rainy season usually begins in June across the Southern Plateau corn belt. In April, northeastern and western Mexico received much-below-normal rainfall, while near-to above-normal rainfall was reported across southern Mexico.



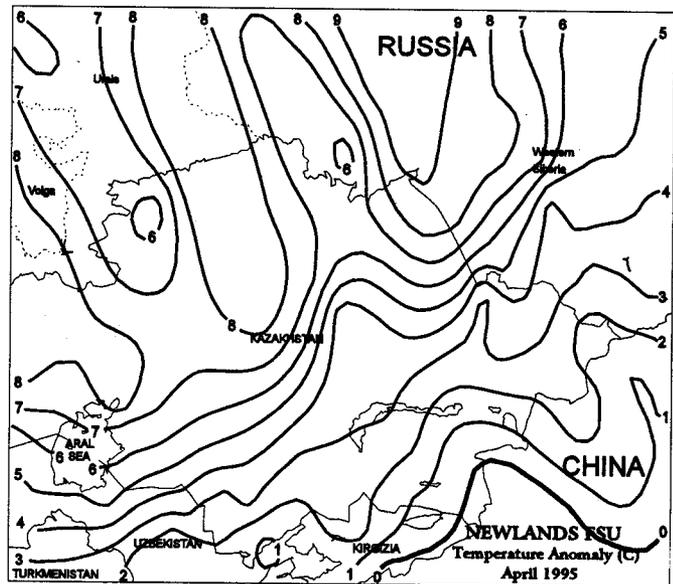
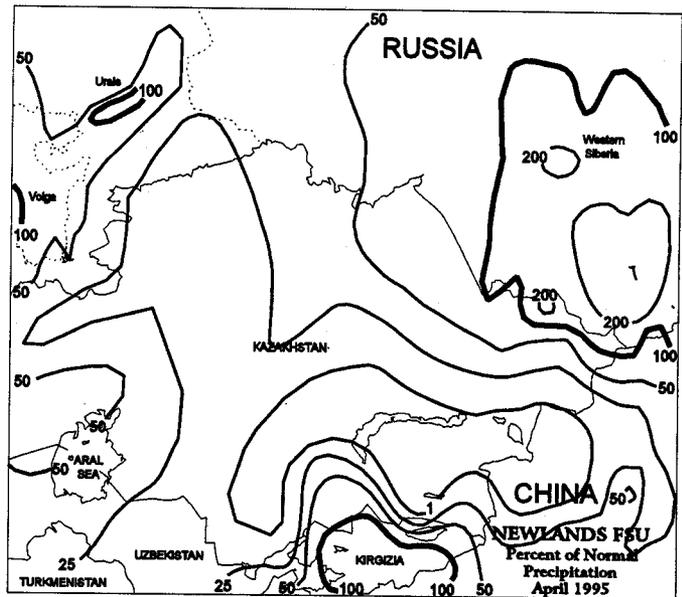
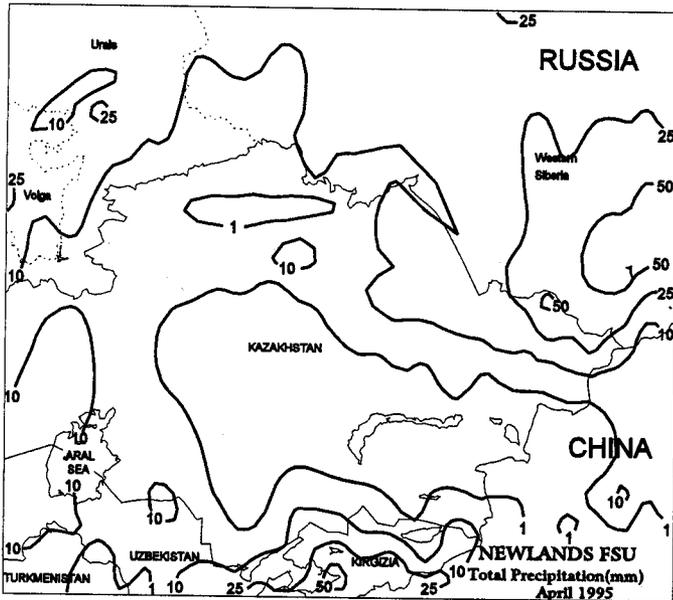


**CANADA:** Cold, damp weather prevailed across southern Prairie crop areas, hampering early planting activities. Moderate showers (10-30 mm) maintained unfavorably wet field conditions, except in central Saskatchewan, where rainfall was mostly light (less than 10 mm). In addition, widespread sub-freezing temperatures ranging from 0 to -9 degrees C covered the Prairies on May 13, slowing germination of newly planted crops. In April, unseasonably cool, wet weather hampered pre-planting fieldwork, especially in northwestern spring grain and oilseed areas. Temperatures in northwestern crop areas averaged 3-5 degrees C below normal, and rainfall was as much as 200 percent of normal (25-49 mm, total accumulation). Warmer, drier weather is needed to prevent significant delays in planting. Crops planted after the optimal period (early June) are at higher risk of summer heat stress and early autumn freezes. In Ontario, moderate showers (10-25 mm or more) benefited greening winter wheat in most areas. Weekly temperatures averaged near normal, but a freeze across the northernmost wheat areas likely burned back new growth.





**FSU-NEW LANDS:** Spring grain planting typically begins in May over Kazakhstan and Russia (Urals and Siberia). Below-normal precipitation since January has limited moisture reserves for the upcoming growing season. This past week, although light, scattered showers (3-25 mm) moistened topsoils for planting, more rain is needed to ensure a favorable start to this year's growing season. In addition, weekly average temperatures were 3 to 5 degrees Celsius (C) above-normal over the region, increasing evaporation rates. In April, the warmest weather in at least the past 46 years over Kazakhstan and Russia caused rapid snow-melt and warmed topsoils for planting.



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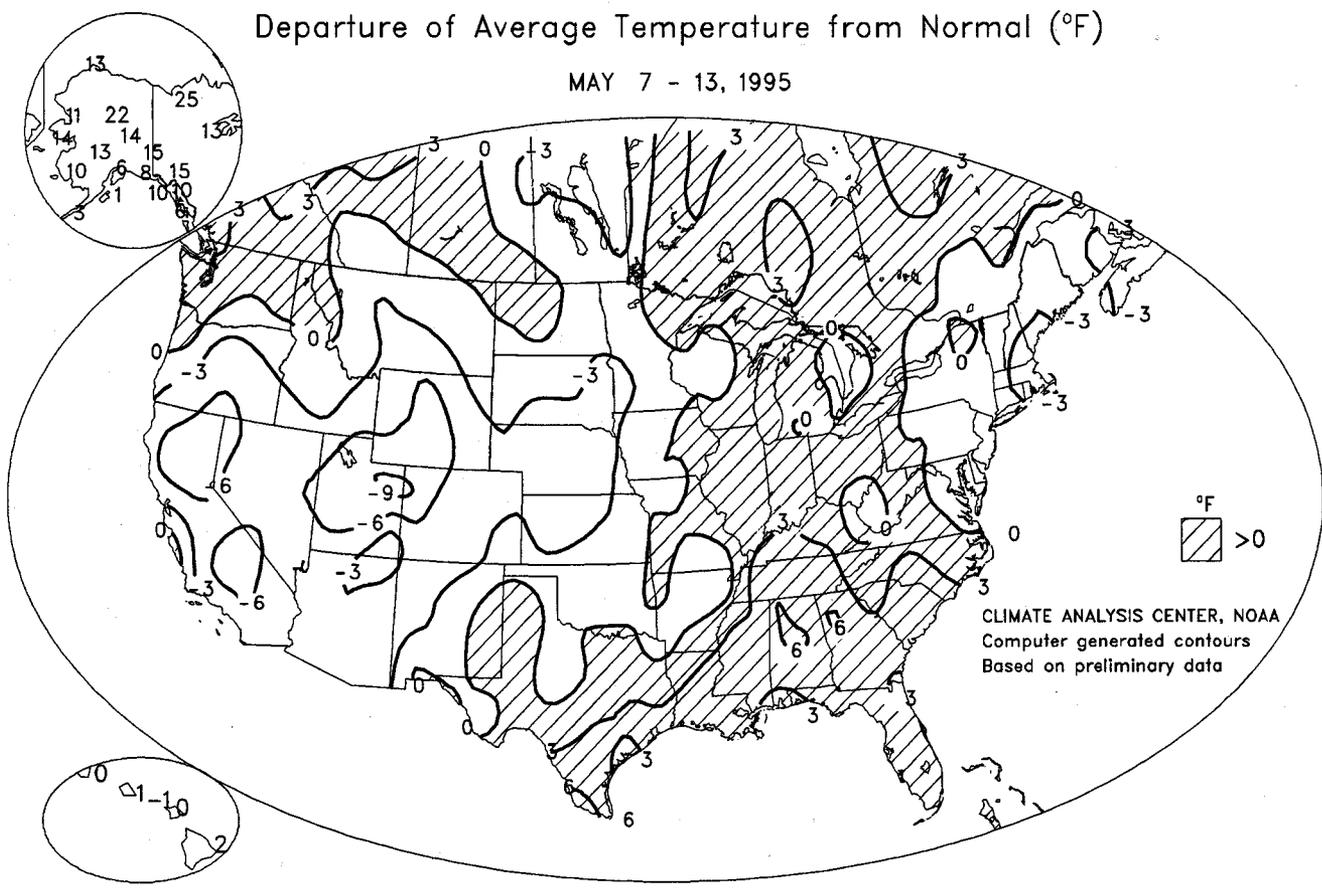
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### Departure of Average Temperature from Normal (°F)

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