

# 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

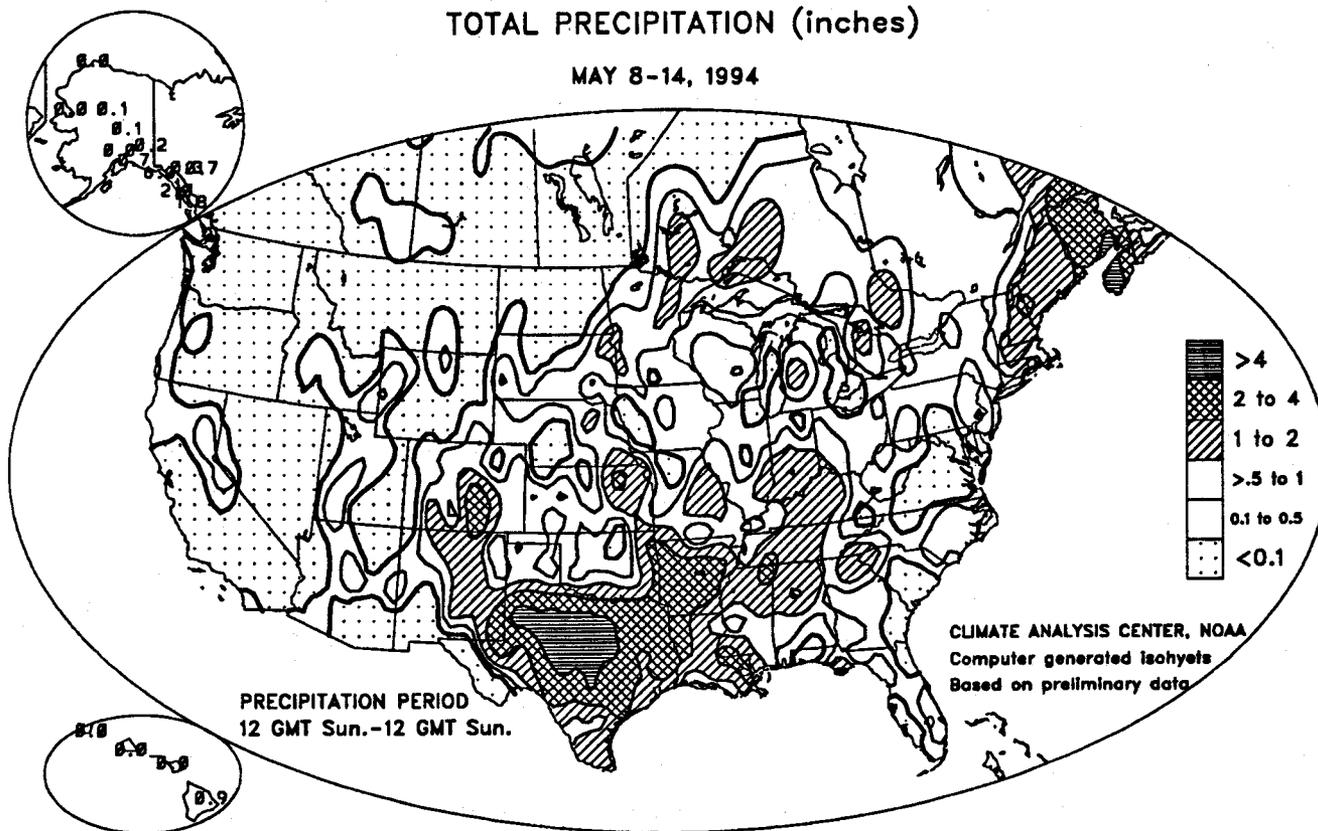
Volume 81, No. 20

Washington, D.C.

May 17, 1994

## TOTAL PRECIPITATION (inches)

MAY 8-14, 1994



## HIGHLIGHTS

May 8 - 14, 1994

A nearly stationary upper level disturbance over Arizona supported week-long rains in the southern Plains, including excessive amounts across central Texas. Late in the week, a cold front crossed the Northern States, close enough to dislodge the upper level system and tap its moisture supply, generating widespread rainfall from the Corn Belt to the Appalachians. Heavy rain eliminated topsoil dryness in western Texas and eastern New Mexico, but was accompanied by localized hail damage and flash flooding. In the eastern Plains of New Mexico, rainfall totaled 3.22 inches in Hobbs, 0.90 inches in Roswell, and 0.82 inches in Clovis. Weekly totals in Texas included 6.70 inches in Abilene, 3.26 inches in Lubbock, and 3.00 inches in San Angelo. More than 3 inches fell in Dallas and Waco. Year-to-date precipitation was nearly doubled in Lubbock and Midland, and more than

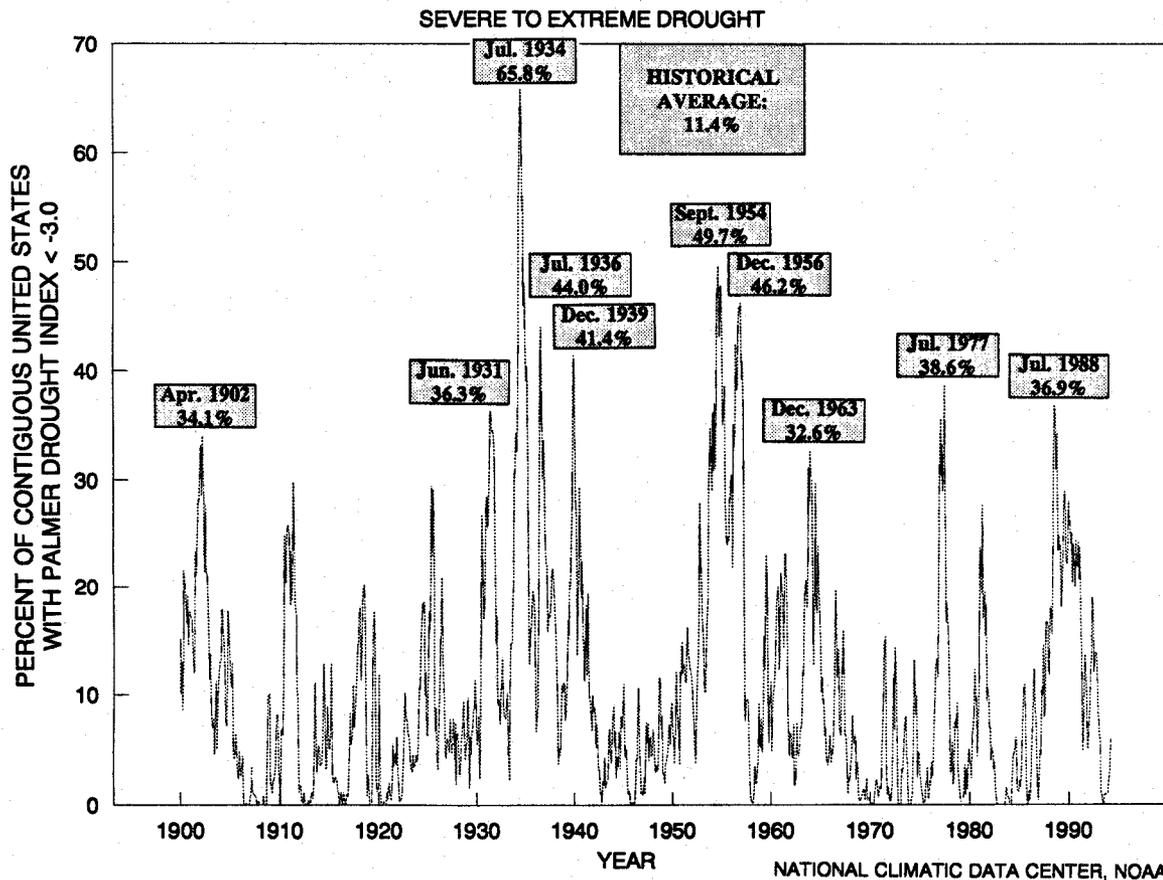
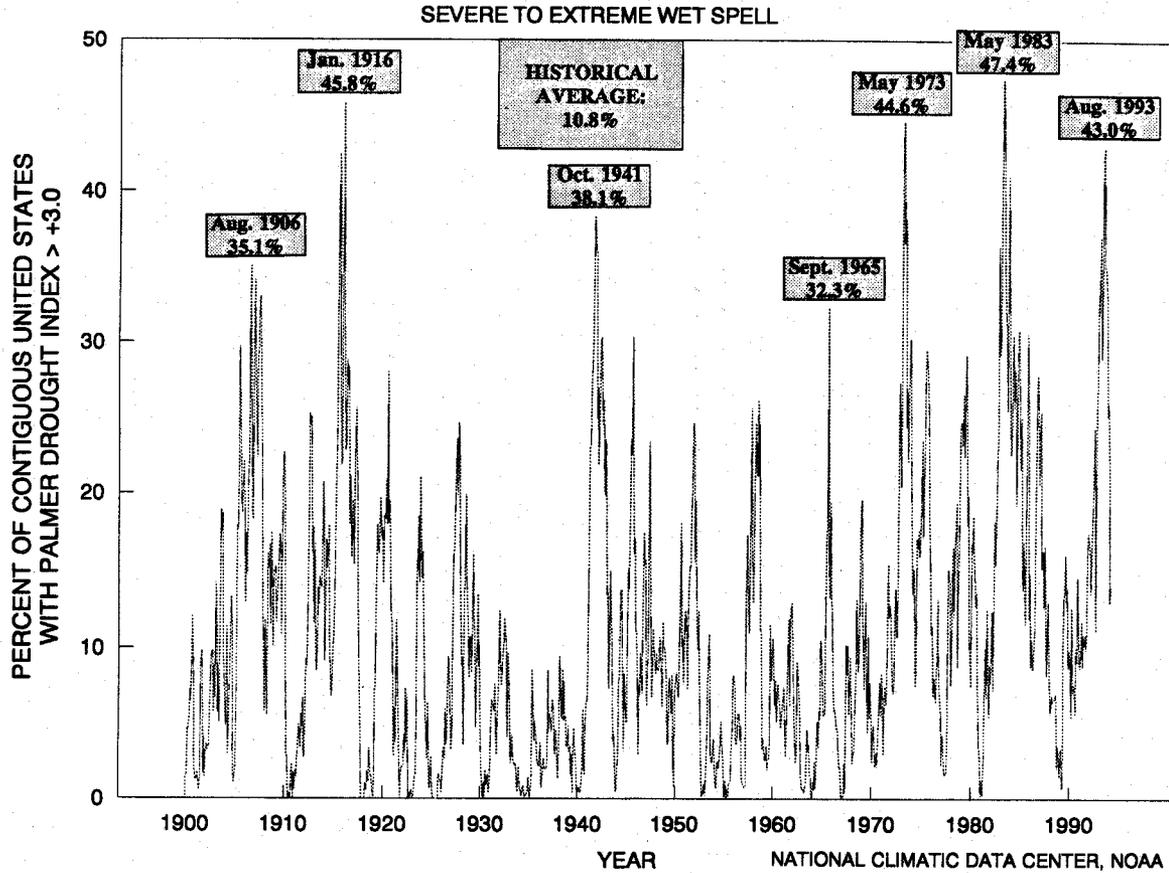
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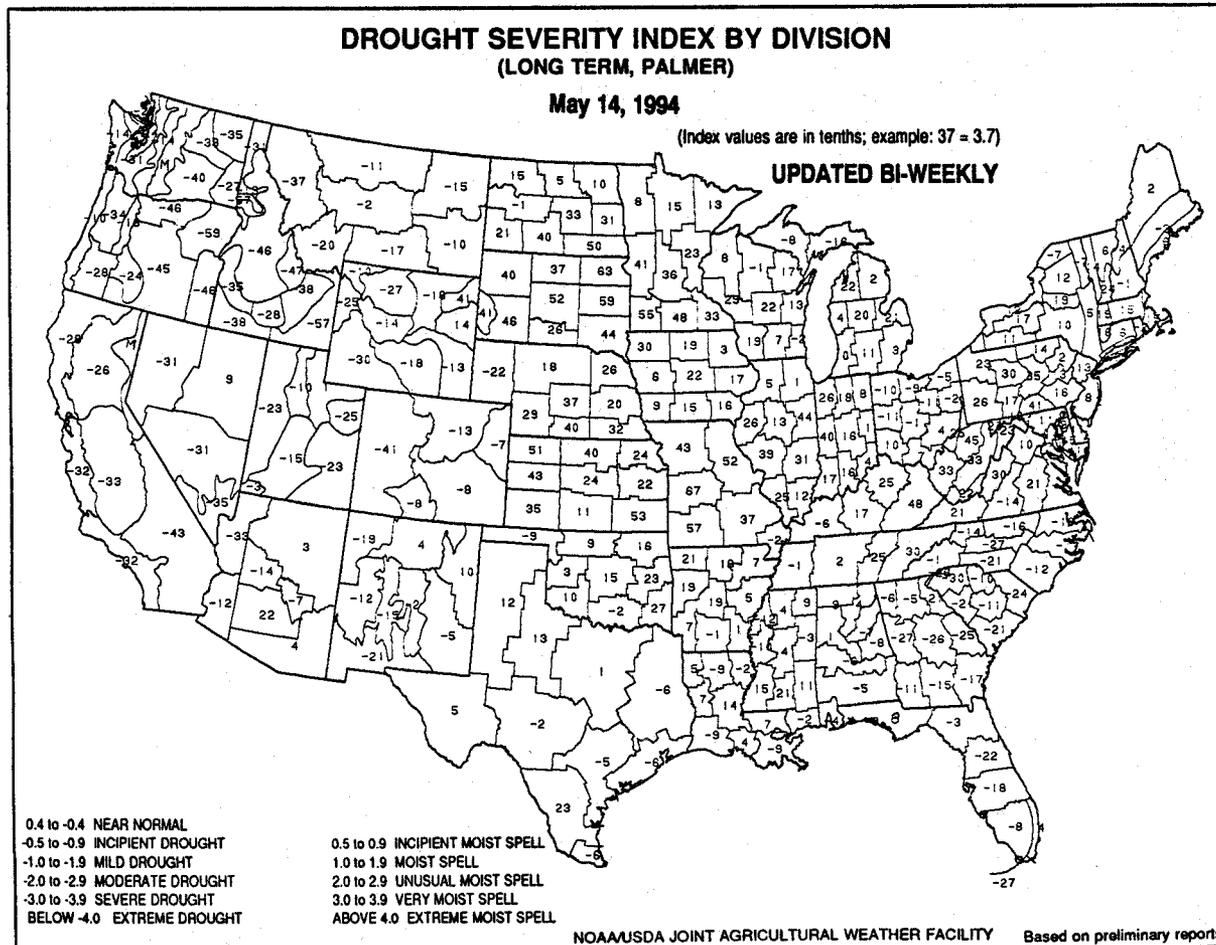
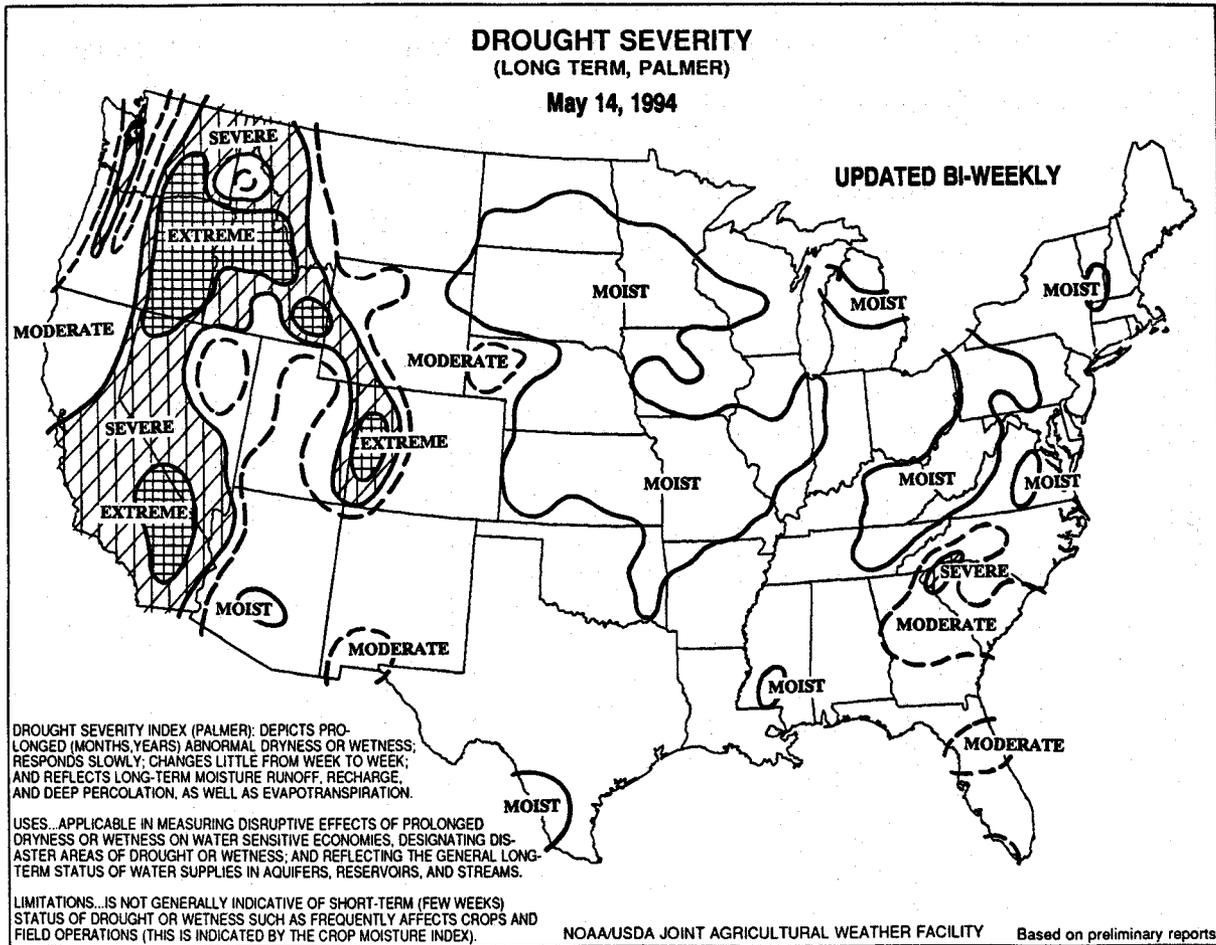
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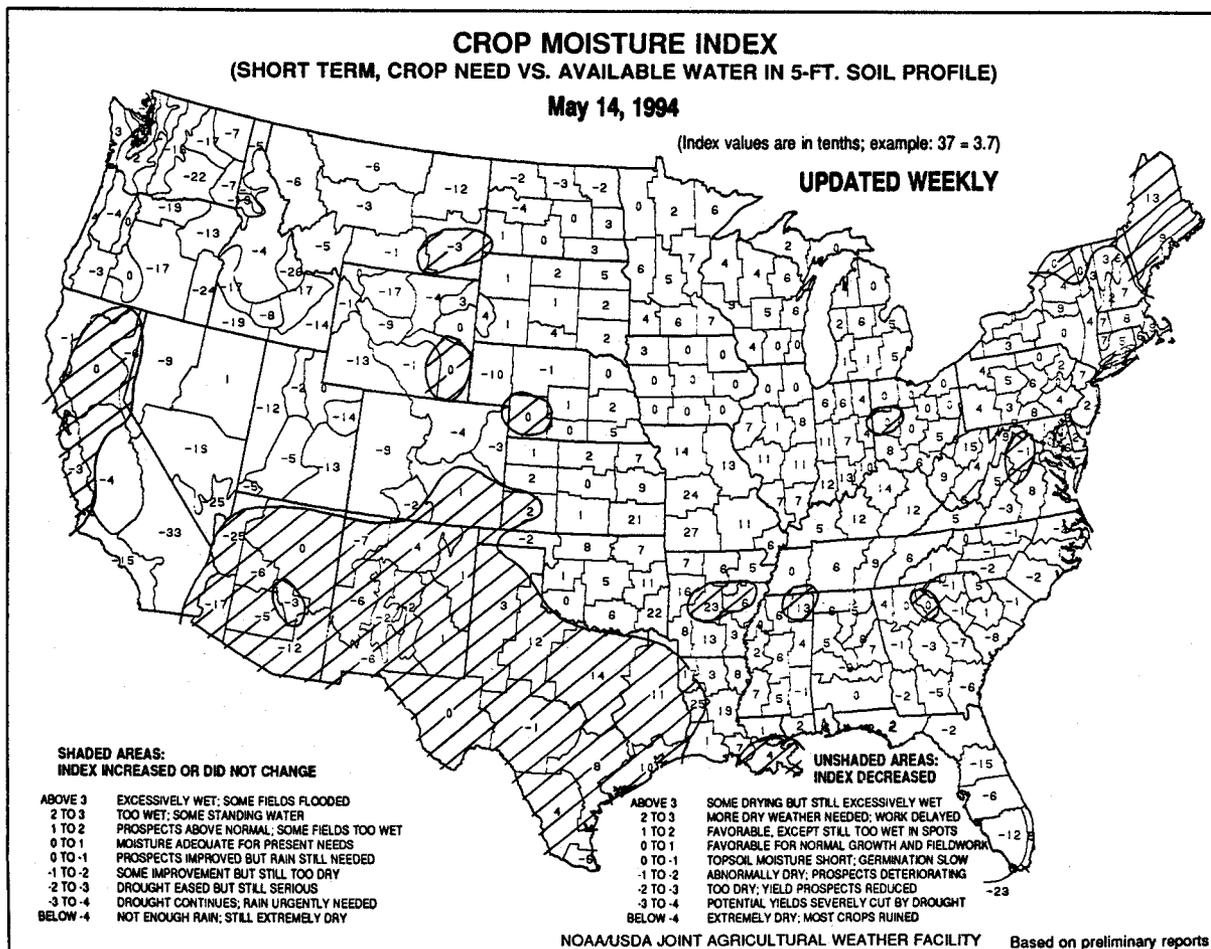
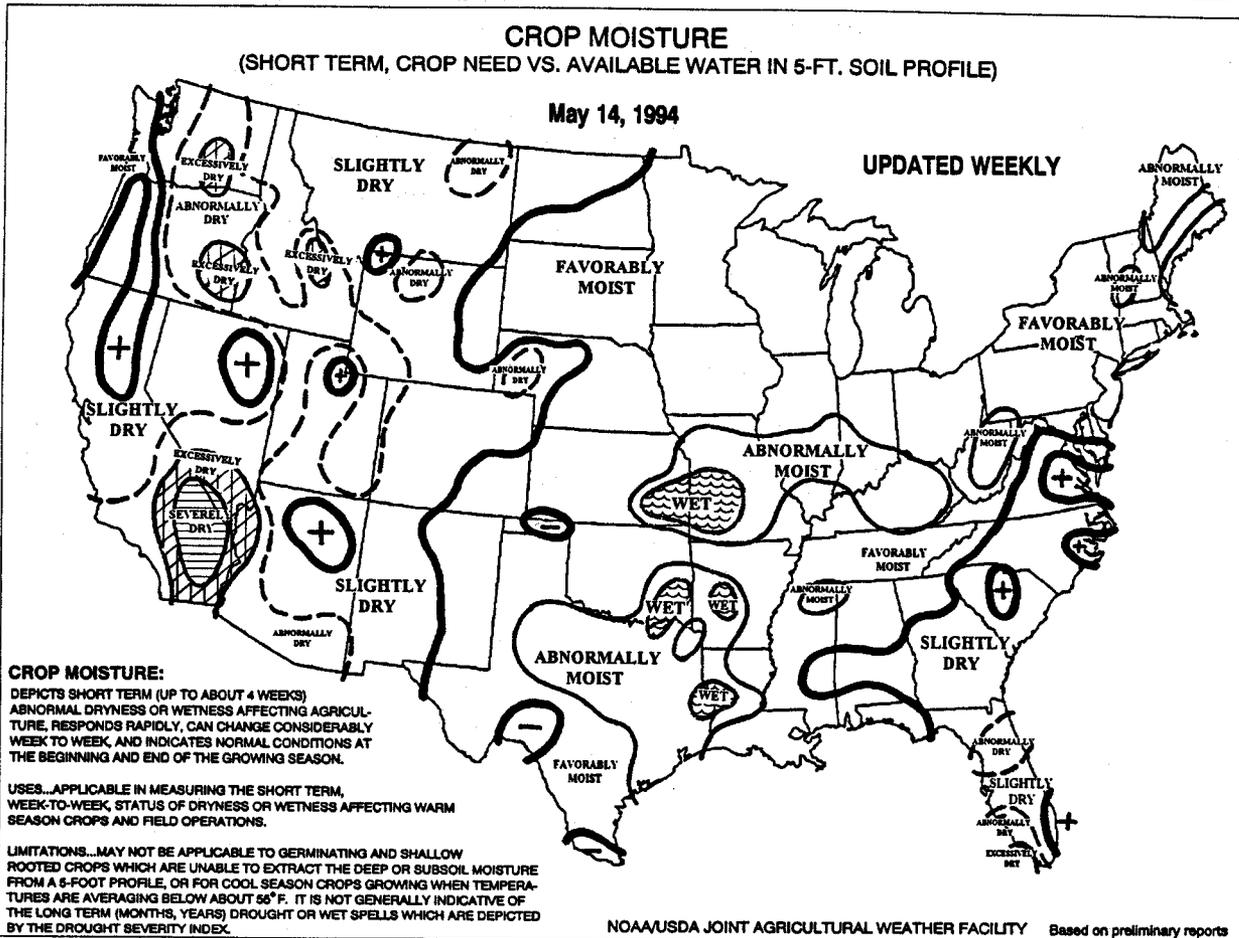
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# The Palmer Drought Index in Historical Perspective: Wetness and Dryness in the Contiguous United States, January 1900 to April 1994

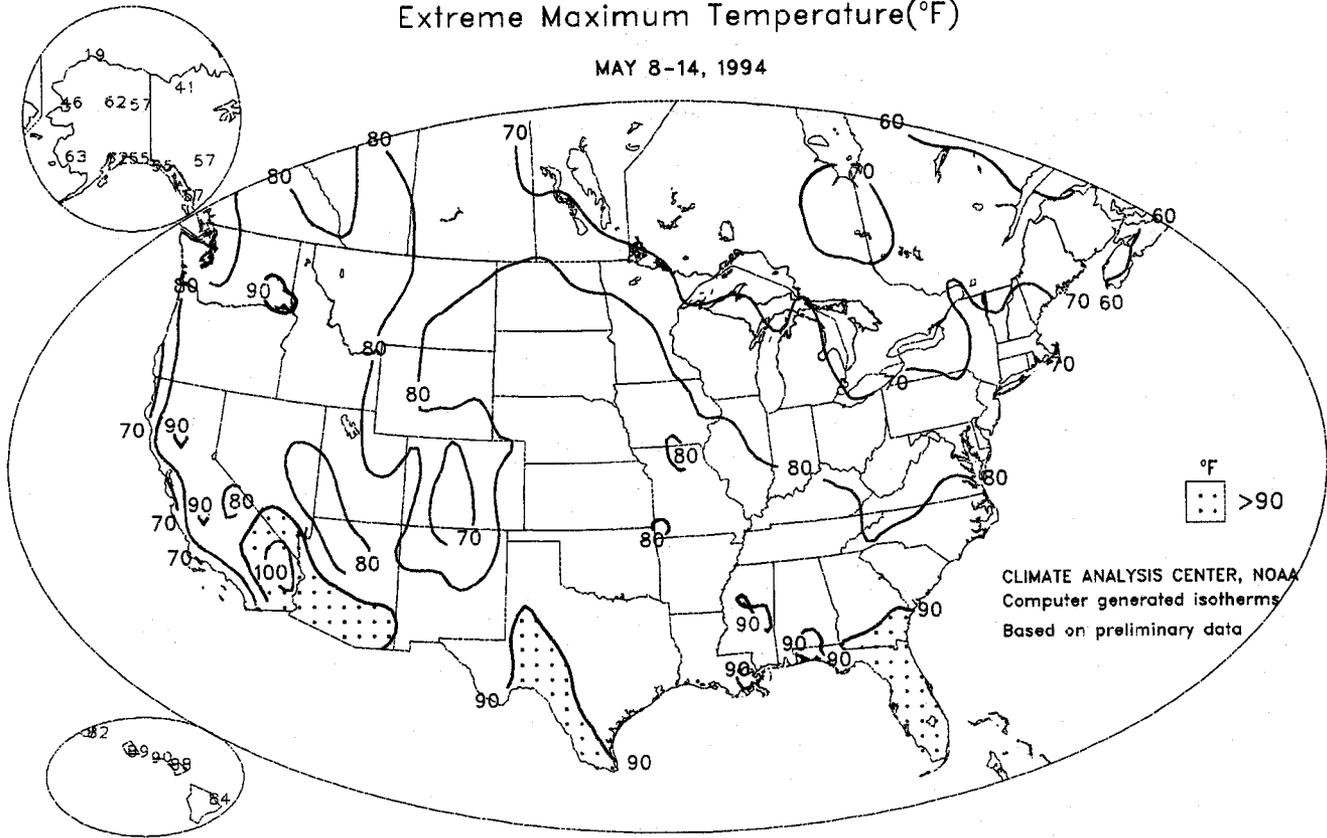






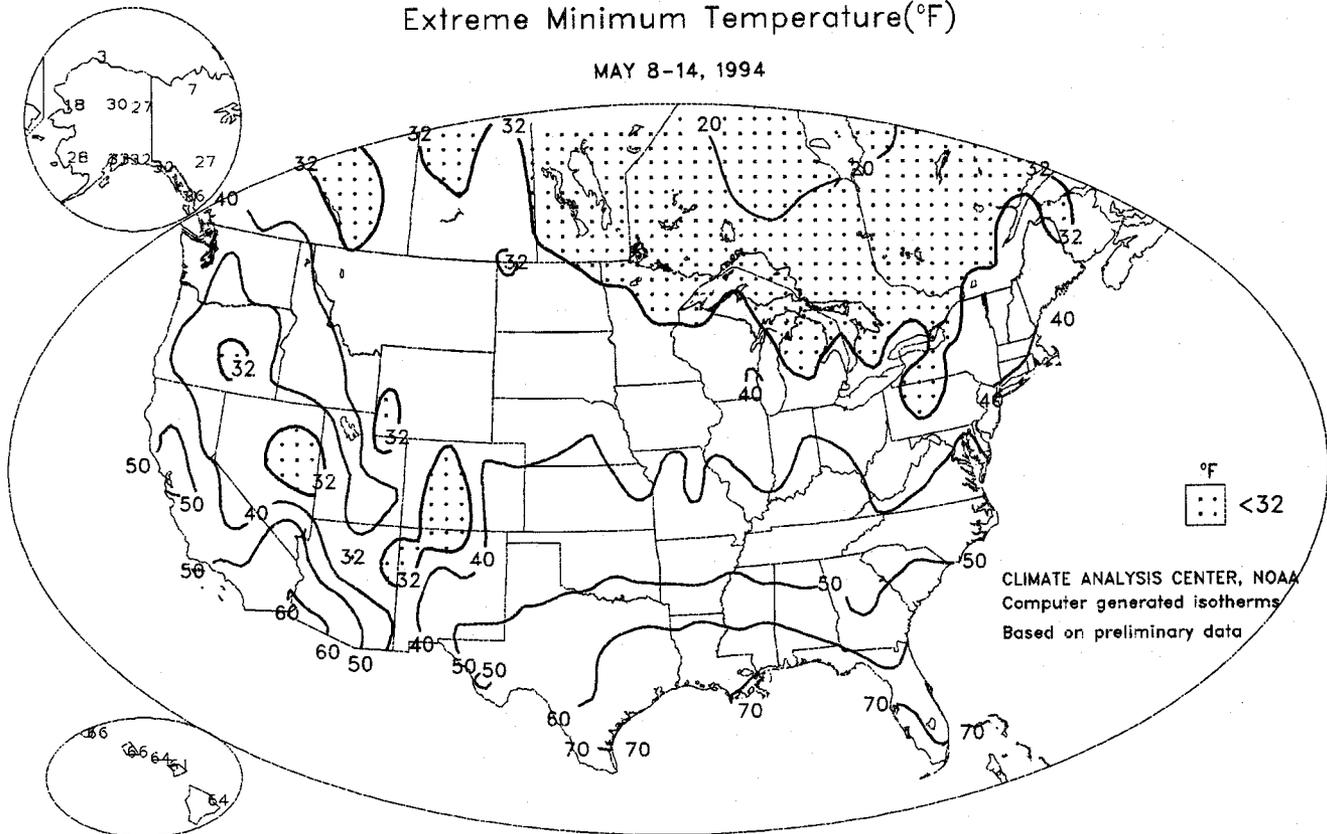
Extreme Maximum Temperature(°F)

MAY 8-14, 1994



Extreme Minimum Temperature(°F)

MAY 8-14, 1994



# National Weather Data for Selected Cities

## Weather Data for the Week Ending May 14, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	81	58	85	51	69	1	1.3	.2	1.3	15.0	112	24.9	107	93	52	0	0	1	1		
MOBILE	86	68	89	67	77	4	1.2	.2	1.2	12.0	89	19.9	84	95	45	0	0	0	0		
MONTGOMERY	85	63	90	54	74	4	1.4	.5	1.4	10.2	83	20.3	90	94	50	0	0	0	0		
AK ANCHORAGE	56	39	62	31	48	3	1.3	.2	1.3	2.1	126	3.0	92	82	39	0	0	0	0		
BARROW	14	7	19	4	11	6	1.1	.0	1.1	.2	44	.3	39	83	78	0	0	0	0		
FAIRBANKS	66	38	70	30	52	1	1.7	.0	1.7	.4	44	1.2	65	93	27	0	0	0	0		
JUNEAU	51	42	55	38	47	1	1.7	.9	1.5	10.0	132	19.0	120	96	62	0	0	0	0		
KODIAK	46	40	52	32	43	0	3.1	1.9	2.1	21.5	191	37.7	157	97	76	0	0	0	0		
WOME	52	36	61	32	44	11	1.1	.1	1.1	1.5	99	2.8	95	86	57	0	0	0	0		
AZ PHOENIX	87	64	98	58	75	2	1.1	.0	1.1	1.5	127	2.2	86	52	19	0	0	0	0		
PRESCOTT	70	44	78	37	57	1	1.3	.2	1.3	1.8	62	3.2	53	87	28	0	0	0	0		
TUCSON	86	55	97	51	70	2	1.1	.0	1.1	1.3	112	2.3	86	58	17	0	0	0	0		
YUMA	92	67	97	61	79	2	1.2	.0	1.2	1.1	29	.4	39	48	15	0	0	0	0		
AR FORT SMITH	78	61	81	48	69	1	1.6	.6	1.6	10.5	101	17.9	120	93	62	0	0	0	0		
LITTLE ROCK	78	61	83	47	69	1	4.3	3.1	3.7	15.1	129	23.6	129	83	49	0	0	0	0		
CA BAKERSFIELD	86	58	93	51	72	2	1.0	.1	1.0	2.1	120	4.0	109	59	23	0	0	0	0		
FRESNO	81	52	64	49	56	4	1.1	.3	1.1	5.7	63	17.9	91	87	65	0	0	0	0		
FRESNO	84	59	91	56	72	4	1.0	.1	1.0	2.4	80	5.5	82	79	26	0	0	0	0		
LOS ANGELES	68	58	69	56	63	1	1.0	.0	1.0	1.5	55	6.2	81	87	60	0	0	0	0		
REDDING	86	58	90	50	72	1	1.1	.2	1.1	4.8	68	14.6	83	86	34	0	0	0	0		
SACRAMENTO	66	52	89	49	67	3	1.0	.1	1.0	1.3	32	5.9	56	92	43	0	0	0	0		
SAN DIEGO	66	58	67	57	62	2	1.0	.0	1.0	4.6	173	8.1	134	86	63	0	0	0	0		
SAN FRANCISCO	53	52	66	49	57	0	1.1	.0	1.1	2.5	54	10.2	84	93	67	0	0	0	0		
CO DENVER	73	46	80	42	60	4	1.4	.3	1.4	3.1	77	4.5	88	92	34	0	0	0	0		
GRAND JUNCTION	77	47	86	39	62	1	1.2	.1	1.2	2.2	89	3.0	84	92	20	0	0	0	0		
FURBIO	70	46	78	39	58	1	1.4	1.1	1.6	4.5	205	5.2	184	94	44	0	0	0	0		
CT BRIDGEPORT	68	48	75	43	58	1	1.6	.3	1.6	10.0	107	18.3	117	71	37	0	0	0	0		
HARTFORD	67	45	76	37	56	2	1.2	.3	1.1	10.0	107	19.3	120	70	37	0	0	0	0		
DC WASHINGTON	71	48	74	45	60	5	1.1	.7	1.1	11.3	152	19.8	154	86	40	0	0	0	0		
FL PALM BEACH	86	69	89	67	77	5	1.4	.1	1.4	7.3	90	16.3	103	94	41	0	0	0	0		
DAYTONA BEACH	87	66	89	62	76	3	1.0	.7	1.0	10.0	155	18.2	149	98	51	0	0	0	0		
JACKSONVILLE	88	64	89	59	75	2	1.0	.7	1.0	5.4	72	12.9	89	96	54	0	0	0	0		
KEY WEST	87	76	89	73	82	2	1.0	.7	1.0	3.4	72	8.0	93	83	59	0	0	0	0		
MIAMI	91	75	92	70	83	5	1.2	.2	1.2	4.6	61	13.9	119	83	44	0	0	0	0		
ORLANDO	89	69	91	67	79	3	1.0	.6	1.0	4.9	80	12.5	109	91	44	2	0	0	0		
TALLAHASSEE	89	64	93	60	77	4	1.0	.0	1.0	18.5	156	29.4	132	91	52	2	0	0	0		
TAMPA	89	71	94	69	80	3	1.0	.6	1.0	4.1	79	8.3	80	93	54	2	0	0	0		
WEST PALM BEACH	88	71	91	66	79	2	1.4	.0	1.4	11.8	139	21.0	152	89	52	1	0	0	0		
GA ATLANTA	81	60	86	55	70	2	1.2	.2	1.0	11.3	94	20.2	93	90	49	0	0	0	0		
AUGUSTA	83	53	89	50	68	1	1.1	.8	1.1	7.8	81	16.0	89	94	41	0	0	0	0		
MACON	82	57	86	47	69	1	1.2	.2	1.2	9.5	97	17.8	93	97	45	0	0	0	0		
SAVANNAH	83	63	89	58	73	1	1.0	.9	1.0	9.2	109	14.7	96	93	49	0	0	0	0		
HI HILO	83	67	84	64	75	1	1.9	.5	1.9	27.4	80	63.3	116	89	65	0	0	0	0		
HONOLULU	87	71	89	67	79	2	1.0	.3	1.0	3.7	85	11.1	110	75	50	0	0	0	0		
KAHULUI	85	64	88	61	75	1	1.0	.2	1.0	5.2	104	7.5	62	71	53	0	0	0	0		
LIIHOE	82	71	83	66	77	1	1.0	.8	1.0	4.9	53	15.6	84	85	71	0	0	0	0		
ID BOISE	81	50	89	44	66	10	1.0	.2	1.0	1.6	51	3.8	67	76	19	0	0	0	0		
LEWISTON	81	54	90	41	67	10	1.1	.2	1.1	1.9	67	3.5	70	61	24	1	0	0	0		
POCATELLO	79	45	86	36	62	10	1.0	.3	1.0	1.0	33	2.9	58	80	22	0	0	0	0		
IL CHICAGO	70	45	77	39	58	1	1.1	.7	1.1	3.6	46	8.2	76	81	28	0	0	0	0		
MOLINE	73	46	81	38	60	0	1.5	.4	1.5	4.5	51	8.2	70	82	29	0	0	0	0		
PEORIA	73	49	82	40	61	1	1.3	.5	1.3	5.5	66	8.4	74	84	41	0	0	0	0		
QUINCY	72	49	81	39	60	1	1.2	.1	1.2	8.3	92	9.0	76	81	39	0	0	0	0		
ROCKFORD	71	46	78	38	59	1	1.2	.6	1.2	4.1	53	8.1	80	82	32	0	0	0	0		
SPRINGFIELD	74	49	83	38	62	0	1.7	.2	1.7	11.3	132	13.4	113	83	36	0	0	0	0		
IN EVANSVILLE	76	50	82	41	63	2	1.3	.8	1.3	8.5	75	14.0	79	87	35	0	0	0	0		
FORT WAYNE	71	43	78	39	57	2	1.3	.5	1.3	8.5	109	12.1	104	84	32	0	0	0	0		
INDIANAPOLIS	71	46	78	39	58	2	1.3	.6	1.3	7.7	82	11.7	83	84	38	0	0	0	0		
SOUTH BEND	69	43	74	38	56	2	1.1	.6	1.1	4.2	50	8.1	65	75	33	0	0	0	0		
IA DES MOINES	74	48	80	37	61	1	1.1	.7	1.1	3.6	48	6.5	68	80	27	0	0	0	0		
SIOUX CITY	78	47	84	38	62	2	1.2	.7	1.2	2.7	46	4.5	63	78	25	0	0	0	0		
WATERLOO	75	46	81	38	60	2	1.2	.7	1.2	3.7	50	5.8	63	78	29	0	0	0	0		
KS CONCORDIA	76	53	86	42	64	3	1.8	.2	1.8	3.4	53	4.2	55	88	47	0	0	0	0		
DODGE CITY	77	53	82	47	65	3	1.3	.4	1.3	2.4	48	3.2	53	94	47	0	0	0	0		
GOODLAND	75	49	82	44	62	4	1.7	.1	1.7	4.1	104	4.5	96	94	42	0	0	0	0		
TOPEKA	76	51	86	37	64	1	1.5	.4	1.5	5.5	75	6.7	72	95	44	0	0	0	0		
WICHITA	77	56	82	47	67	2	1.5	.4	1.5	4.6	64	4.6	50	93	48	0	0	0	0		
KY BOWLING GREEN	74	47	82	42	61	4	1.4	.9	1.4	15.2	130	26.9	137	95	43	0	0	0	0		
LEXINGTON	72	48	82	45	60	2	1.2	.8	1.2	15.5	150	24.4	149	88	37	0	0	0	0		
LOUISVILLE	75	50	83	46	63	1	1.7	.4	1.7	10.9	98	17.9	104	92	39	0	0	0	0		
LA BATON ROUGE	85	68	87	67	77	2	1.7	.4	1.7	14.2	114	23.8	104	99	66	0	0	0	0		
LAKE CHARLES	87	70	88	66	79	5	1.3	1.0	1.2	5.8	64	11.1	64	95	61	0	0	0	0		
NEW ORLEANS	88	69	90	66	79	5	1.9	.1	1.9	8.9	78	12.7	56	96	51	1	0	0	0		
SHREVEPORT	80	65	88	61	73	2	1.2	.7	1.2	10.4	98	19.1	101	96	67	0	0	0	0		

Based on 1961-90 normals.

Weather Data for the Week Ending May 14, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT			NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	82 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
MN CARIBOU	52	38	61	30	45	-4	1.4	.7	.5	8.3	132	13.3	126	89	61	0	0	1	7	1	1	
MN PORTLAND	61	43	71	41	52	1	1.7	.8	1.5	13.7	135	19.4	119	79	42	0	0	0	4	4	1	
MD BALTIMORE	71	44	75	40	58	-4	.1	.7	.1	13.7	156	21.4	149	85	40	0	0	0	2	2	0	
MD SALISBURY	71	44	74	37	58	-4	.2	.6	.1	13.3	137	20.9	130	94	39	0	0	0	2	2	0	
MA BOSTON	67	51	75	47	59	2	.5	.2	.4	12.1	138	20.3	127	69	33	0	0	0	2	2	0	
MA CHATHAM	59	47	70	45	53	2	1.1	.2	.6	15.0	161	24.3	143	90	55	0	0	0	3	3	1	
MI ALPENA	64	36	72	29	50	0	.5	.1	.4	4.7	84	7.6	90	87	29	0	0	2	3	3	0	
MI DETROIT	68	44	71	38	56	-1	.7	.6	.7	6.8	100	10.9	107	72	30	0	0	0	1	1	0	
MI FLINT	66	40	71	34	53	-2	.3	.2	.3	7.4	118	10.0	112	79	30	0	0	0	2	2	0	
MI GRAND RAPIDS	66	42	73	34	54	-2	1.6	.9	1.4	6.7	90	11.0	104	82	33	0	0	0	3	3	1	
MI HOUGHTON LAKE	66	40	73	30	53	0	.3	.3	.3	4.8	89	8.1	101	76	32	0	0	2	2	2	0	
MI LANSING	67	39	73	30	53	-3	.6	.0	.6	6.5	102	9.5	104	86	31	0	0	1	1	1	0	
MI MARQUETTE	61	36	72	30	49	0	.5	.1	.4	5.1	76	7.2	68	76	32	0	0	2	3	3	0	
MI MUSKEGON	64	40	75	32	52	-2	.6	.0	.5	4.5	68	9.8	94	87	41	0	0	1	3	3	0	
MI SAULT ST. MARIE	59	33	69	26	46	-3	.6	.0	.5	4.8	82	8.0	80	89	34	0	0	3	3	3	1	
MN ALEXANDRIA	71	45	82	40	58	3	.5	.1	.5	4.6	97	5.6	88	80	33	0	0	0	1	1	1	
MN DULUTH	64	42	66	32	53	4	1.0	.3	.9	6.1	113	8.6	116	72	32	0	0	1	2	1	1	
MN INT'L FALLS	62	40	70	26	51	1	.6	.1	.6	2.7	75	3.5	69	82	36	0	0	1	3	1	1	
MN MINNEAPOLIS	73	47	80	38	60	3	.6	.1	.4	4.8	82	6.7	88	71	29	0	0	0	2	0	0	
MN ROCHESTER	71	43	79	38	57	2	.2	.6	.1	5.7	94	7.6	101	82	30	0	0	0	2	0	0	
MS GREENWOOD	84	65	91	55	74	4	.4	.8	.3	12.0	90	18.8	83	91	51	1	0	0	2	0	0	
MS JACKSON	83	65	88	59	74	4	.3	-1.0	.2	12.1	86	26.6	109	95	59	0	0	0	2	0	0	
MS MERIDIAN	85	65	90	61	75	5	.5	.6	.3	13.3	93	28.0	112	93	50	1	0	0	4	0	0	
MO CAPE GIRARDEAU	77	54	82	43	65	0	.2	-1.0	.2	11.0	92	18.4	102	91	42	0	0	0	1	0	0	
MO COLUMBIA	75	51	81	39	63	2	1.0	.1	.6	14.9	167	17.8	146	86	46	0	0	0	3	1	0	
MO KANSAS CITY	76	52	84	38	64	1	.3	.8	.3	8.5	109	10.6	106	83	44	0	0	0	1	0	0	
MO SAINT LOUIS	75	55	83	43	65	0	.7	.2	.4	12.9	146	16.5	130	76	32	0	0	0	2	0	0	
MO SPRINGFIELD	75	54	79	42	64	2	.3	.8	.1	17.1	173	21.2	157	90	40	0	0	0	2	0	0	
MT BILLINGS	75	48	82	41	62	8	.1	.5	.1	2.8	70	3.6	64	63	24	0	0	0	2	0	0	
MT GLASGOW	73	45	79	37	59	6	.1	.3	.1	.9	52	2.0	81	74	23	0	0	0	1	0	0	
MT GREAT FALLS	72	45	81	36	59	7	.7	.5	.7	2.1	60	3.2	63	71	23	0	0	0	1	0	0	
MT HAVRE	75	44	83	33	59	6	.7	.5	.7	.7	.7	.7	.7	64	23	0	0	0	.7	.7	.7	
MT HELENA	75	48	84	43	62	11	.7	.4	.7	1.9	78	2.5	72	66	22	0	0	0	1	0	0	
MT KALISPELL	74	42	83	32	58	8	.2	.2	.2	1.6	57	3.6	66	79	23	0	0	1	1	0	0	
MT MILES CITY	76	49	82	39	62	7	.1	.4	.1	1.9	67	3.0	78	79	28	0	0	0	1	0	0	
MT MISSOULA	77	44	86	36	61	10	.1	.3	.1	3.8	141	4.6	97	82	22	0	0	0	1	0	0	
NE GRAND ISLAND	76	48	83	40	62	3	.2	.7	.1	3.6	60	5.5	77	86	35	0	0	0	2	0	0	
NE LINCOLN	75	46	85	37	60	0	.7	.2	.6	3.3	51	4.2	54	92	42	0	0	0	2	1	0	
NE NORFOLK	79	47	84	41	63	4	.2	.6	.1	2.3	40	3.9	56	82	27	0	0	0	2	0	0	
NE NORTH PLATTE	77	46	80	36	62	5	.7	.7	.7	1.9	41	2.7	50	86	34	0	0	0	1	0	0	
NE OMAHA	77	46	86	34	62	1	.6	.3	.6	1.9	27	4.0	49	--	--	0	0	0	1	1	1	
NE SCOTTSBLUFF	76	45	82	34	61	6	.2	.4	.2	3.1	80	4.4	92	86	29	0	0	0	1	0	0	
NE VALENTINE	78	44	85	34	61	3	.4	.3	.3	2.7	55	3.5	59	73	27	0	0	0	2	0	0	
NV ELY	74	33	79	22	53	4	.1	.2	.0	3.0	120	4.7	121	93	20	0	0	3	2	0	0	
NV LAS VEGAS	89	66	98	60	78	5	.7	.1	.7	.1	17	.7	38	43	16	4	0	0	0	0	0	
NV RENO	80	48	87	40	64	9	.2	.1	.2	1.9	139	2.6	75	94	19	0	0	0	1	0	0	
NV WINDHECCA	81	42	88	35	62	8	.3	.2	.3	2.7	135	3.9	116	85	20	0	0	0	1	0	0	
NH CONCORD	65	42	75	34	54	0	1.2	.5	1.1	9.8	139	14.1	116	83	33	0	0	0	3	1	0	
NJ ATLANTIC CITY	69	42	72	32	55	-4	.3	.5	.2	12.4	141	20.1	131	84	38	0	1	2	0	0	0	
NM ALBUQUERQUE	74	50	82	46	62	-1	.5	.4	.3	1.2	96	1.4	67	69	27	0	0	0	4	0	0	
NM CLOVIS	71	50	82	43	61	-3	.8	.4	.5	2.4	114	2.7	89	88	43	0	0	0	3	0	0	
NM ROSWELL	77	56	87	47	66	-2	.9	.7	.5	2.0	166	2.1	101	84	41	0	0	0	3	1	0	
NY ALBANY	63	40	73	36	51	-5	.7	.0	.5	9.7	131	14.7	122	82	38	0	0	0	3	1	0	
NY BINGHAMTON	58	38	66	33	48	-6	.9	.3	.2	9.3	125	14.5	120	83	45	0	0	0	4	0	0	
NY BUFFALO	63	41	73	35	52	-3	1.1	.4	.6	7.8	113	12.1	102	85	42	0	0	0	4	1	0	
NY NEW YORK	71	51	78	48	61	1	.8	.1	.7	10.3	113	17.9	119	69	35	0	0	0	2	1	0	
NY ROCHESTER	63	39	69	34	51	-5	.5	.1	.5	6.6	109	10.9	106	86	39	0	0	0	3	0	0	
NY SYRACUSE	61	38	68	33	50	-6	.3	.5	.2	11.6	154	16.9	141	87	40	0	0	0	2	0	0	
NC ASHEVILLE	71	46	76	40	59	-3	.3	.8	.2	11.8	101	22.3	111	91	48	0	0	0	2	0	0	
NC CHARLOTTE	77	56	84	49	67	1	.2	.7	.2	8.4	96	14.6	90	80	40	0	0	0	2	0	0	
NC GREENSBORO	75	48	80	44	62	-3	.1	.9	.1	7.3	88	13.4	91	78	37	0	0	0	1	0	0	
NC HATTERAS	76	55	81	46	66	0	1.1	.2	1.1	10.3	108	20.7	109	81	43	0	0	0	1	1	1	
NC NEW BERN	78	53	85	47	65	-3	.7	.3	.7	8.3	92	16.0	91	93	40	0	0	0	1	1	1	
NC RALEIGH	76	50	83	44	63	-3	.5	.3	.5	8.8	110	15.3	101	94	37	0	0	0	1	0	0	
NC WILMINGTON	78	54	86	48	66	-1	.3	.6	.3	11.5	125	21.8	119	97	45	0	0	0	1	0	0	
ND BISMARCK	76	44	86	36	60	6	.7	.4	.7	1.8	53	2.8	65	79	27	0	0	0	2	0	0	
ND FARGO	75	44	85	34	59	5	.2	.4	.2	4.0	102	5.3	105	72	25	0	0	0	1	0	0	
ND GRAND FORKS	73	42	77	32	57	4	.1	.4	.1	1.7	54	2.9	68	75	24	0	0	1	0	0	0	
ND WILLISTON	74	41	83	32	58	4	.7	.4	.7	1.9	70	3.8	101	74	27	0	0	1	0	0	0	
OH AKRON-CANTON	65	41	73	36	53	-5	.1	.7	.1	9.9	121	15.0	120	80	36	0	0	0	2	0	0	
OH CINCINNATI	70	44	74	41	57	-4	.5	.4	.4	10.7	108	15.6	103	90	38	0	0	0	3	0	0	
OH CLEVELAND	65	38	74	33	52	-5	.3	.5	.3	5.6	74	9.0	76	85	31	0	0	0	2	0	0	
OH COLUMBUS	70	42	78	38	56	-3	.3	.6	.2	6.6	78	12.0	94	87	33	0	0	0	3	0	0	
OH DAYTON	68	45	74	41	57	-4	.8	.1	.5	9.8	114	14.9	115	80	36	0	0	0	2	1	1	

Based on 1961-90 normals.

Weather Data for the Week Ending May 14, 1994

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	MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	68	40	76	35	54	-3	.4	-.2	.4	7.5	109	12.2	118	78	31	0	0	0	0	
YOUNGSTOWN	65	37	73	29	51	-5	.3	-.5	.2	10.5	136	14.8	124	91	35	0	0	2	3	
OK OKLAHOMA CITY	76	58	81	48	67	0	.2	-1.0	.1	7.6	99	10.4	100	96	64	0	0	2	2	
TULSA	76	58	80	46	67	-1	.1	-1.2	.1	10.4	108	13.3	101	97	63	0	0	2	2	
OR ASTORIA	63	46	76	41	55	3	.2	-.5	.2	12.2	92	30.3	99	93	58	0	0	2	2	
BURNS	77	40	83	31	58	9	.2	-.2	.2	.7	35	1.5	39	80	20	0	1	1	0	
MEDFORD	82	46	90	39	64	7	.0	-.2	.0	2.0	57	4.3	53	83	24	1	0	0	0	
PENDLETON	79	51	86	42	65	8	.2	-.2	.2	1.3	49	4.6	86	62	22	0	0	0	0	
PORTLAND	75	50	84	46	63	7	.2	-.5	.2	4.0	58	12.5	77	81	29	0	0	0	0	
SALEM	76	46	87	39	61	8	.0	-.4	.0	5.1	67	13.6	76	86	28	0	0	0	0	
PA ALLENTOWN	68	43	73	38	56	-3	.4	-.6	.2	10.4	119	19.2	130	81	37	0	0	2	2	
ERIE	61	42	71	37	52	-3	.1	-.7	.1	8.3	107	12.2	100	84	40	0	0	2	2	
HARRISBURG	69	46	73	38	58	-3	.3	-.7	.2	11.2	133	20.1	141	74	36	0	0	2	2	
PHILADELPHIA	71	48	74	42	60	0	.4	-.6	.3	11.1	120	18.7	118	78	33	0	0	2	2	
PITTSBURGH	67	41	76	34	54	-4	.1	-.7	.1	9.3	114	15.3	117	81	32	0	0	2	2	
SCRANTON	64	41	72	35	53	-5	.3	-.5	.1	9.9	140	14.2	125	86	39	0	0	2	2	
RI PROVIDENCE	67	46	72	43	57	1	.5	-.4	.4	10.9	110	18.5	106	76	41	0	0	2	2	
SC CHARLESTON	83	59	90	55	71	-1	.1	-.8	.2	5.4	63	14.1	93	84	43	1	0	1	1	
COLUMBIA	82	55	89	48	69	-1	.1	-.7	.1	6.4	66	14.6	80	82	34	0	0	1	1	
FLORENCE	80	55	88	48	68	-2	.2	-.6	.2	7.7	92	14.6	97	93	34	0	0	0	0	
GREENVILLE	76	52	84	45	64	-2	.4	-.6	.4	8.1	72	15.8	80	82	44	0	0	1	1	
SD ABERDEEN	78	48	84	40	63	8	.2	-.5	.1	2.9	70	4.2	78	75	25	0	0	0	0	
HURON	76	46	86	36	61	6	1.3	-.6	.9	4.4	90	6.1	101	79	31	0	0	2	2	
RAPID CITY	74	46	87	41	60	6	.5	-.1	.5	2.5	62	3.6	73	75	30	0	0	1	1	
SIoux FALLS	78	47	85	40	62	6	.3	-.3	.3	4.6	84	6.2	93	79	33	0	0	2	2	
TN CHATTANOOGA	80	53	85	48	66	1	.8	-.2	.8	19.0	154	32.8	148	94	37	0	0	2	2	
KNOXVILLE	76	50	83	44	63	-1	.3	-.2	.2	21.2	199	37.1	197	89	45	0	0	2	2	
MEMPHIS	79	61	84	50	70	0	.2	-.9	.2	12.4	93	22.2	104	82	48	0	0	3	3	
NASHVILLE	75	52	84	46	64	-3	.6	-.5	.5	15.3	133	25.8	137	85	44	0	0	2	2	
TX ABILENE	77	61	85	55	69	-3	6.7	6.1	4.2	10.3	228	12.1	181	98	67	0	0	5	5	
AMARILLO	73	52	81	44	62	-1	.2	-.3	.2	2.7	95	3.8	96	93	45	0	0	3	3	
AUSTIN	85	68	88	59	76	2	1.8	-.7	1.4	5.5	85	9.1	87	94	61	0	0	2	2	
BEAUMONT	88	70	89	66	79	5	1.2	-.0	1.0	10.7	116	18.9	109	98	62	0	0	2	2	
BROWNSVILLE	91	76	92	74	83	4	.2	-.6	.2	3.0	89	5.4	91	94	60	7	0	1	1	
CORPUS CHRISTI	86	73	88	65	79	2	.5	-.2	.4	9.3	229	11.3	147	96	66	0	0	2	2	
DEL RIO	87	68	91	62	78	2	2.7	2.0	1.0	7.0	146	9.8	133	89	57	1	0	5	5	
EL PASO	85	58	91	49	72	2	.2	-.1	.2	1.0	165	1.3	89	60	17	1	0	5	5	
FORT WORTH	78	63	88	57	71	0	3.8	2.6	1.5	9.7	106	11.2	98	97	72	0	0	6	6	
GALVESTON	84	75	85	68	80	5	1.1	-.3	1.1	4.4	72	7.0	68	93	64	0	0	1	1	
HOUSTON	88	70	90	65	79	6	.7	-.7	.7	6.6	75	11.5	71	98	61	1	0	1	1	
LUBBOCK	75	55	90	50	65	-3	3.3	2.8	2.6	6.4	233	7.0	183	96	53	1	0	5	5	
MIDLAND	81	58	92	52	69	-2	1.0	-.5	.5	1.0	48	2.2	67	96	49	1	0	5	5	
SAN ANGELO	84	62	93	54	73	0	3.0	2.3	1.8	4.0	104	6.1	105	98	56	2	0	6	6	
SAN ANTONIO	85	69	87	59	77	3	2.4	1.5	2.0	13.9	221	15.0	161	92	62	0	0	4	4	
VICTORIA	85	71	88	65	78	3	2.8	1.8	1.6	10.0	146	12.3	94	97	61	0	0	4	4	
WACO	80	65	87	62	73	0	3.4	2.3	1.1	9.1	120	13.8	122	100	79	0	0	7	7	
WICHITA FALLS	77	60	82	49	69	-1	.5	-.4	.3	4.2	57	6.0	57	97	67	0	0	5	5	
UT CEDAR CITY	73	41	78	34	57	2	.2	-.0	.2	2.4	85	3.8	85	78	25	0	0	2	2	
SALT LAKE CITY	77	50	85	45	64	7	.3	-.2	.3	4.9	99	7.1	97	76	30	0	0	2	2	
VT BURLINGTON	62	39	72	34	51	-4	.4	-.3	.3	7.3	115	10.7	110	82	41	0	0	4	4	
VA NORFOLK	74	52	84	49	63	-1	.2	-.7	.2	12.6	149	20.3	130	80	40	0	0	1	1	
RICHMOND	75	47	81	44	61	-4	.1	-.8	.1	12.2	148	19.7	134	84	29	0	0	1	1	
ROANOKE	73	45	77	41	59	-4	.0	-.9	.0	12.5	146	22.4	158	84	29	0	0	0	0	
WA QUILLAYUTE	62	44	76	39	53	3	.2	-1.1	.1	18.2	84	46.1	95	96	51	0	0	2	2	
SEATTLE-TACOMA	69	49	77	46	59	5	.2	-.2	.1	6.1	91	13.1	81	87	34	0	0	2	2	
SPOKANE	76	48	84	42	62	9	.2	-.3	.2	1.7	51	3.9	58	65	22	0	0	0	0	
YAKIMA	80	48	89	37	64	8	.2	-.1	.2	1.7	121	3.1	93	69	24	0	0	0	0	
WV BECKLEY	66	40	72	34	53	-5	.2	-.9	.2	12.9	150	22.7	157	82	38	0	0	0	0	
CHARLESTON	73	43	81	39	58	-4	.2	-.9	.2	14.3	165	26.3	180	91	36	0	0	2	2	
HUNTINGTON	72	45	78	40	58	-2	.1	-.9	.1	14.6	161	24.4	161	87	36	0	0	1	1	
PARKERSBURG	71	41	79	35	56	-6	.2	-.7	.2	12.1	134	23.4	155	95	34	0	0	1	1	
WI GREEN BAY	69	44	76	40	57	3	.2	-.1	.2	7.6	134	10.2	130	86	50	0	0	4	4	
LACROSSE	71	48	77	40	60	2	.2	-.7	.2	...	...	...	...	81	32	0	0	0	0	
MADISON	71	42	77	37	57	0	.5	-.2	.3	3.8	56	8.0	89	84	30	0	0	2	2	
MILWAUKEE	67	46	77	42	57	4	.4	-.3	.4	4.1	55	9.8	93	80	36	0	0	1	1	
WADSWA	68	44	73	40	56	2	.4	-.4	.2	4.7	75	6.2	76	82	30	0	0	4	4	
WY CASPER	76	45	86	40	60	10	.1	-.4	.0	1.7	47	3.1	57	81	24	0	0	3	3	
CHEYENNE	66	42	73	37	54	4	1.1	-.6	1.1	3.5	102	5.0	120	89	37	0	0	1	1	
LANDER	74	47	81	41	61	9	.1	-.5	.0	3.1	73	4.5	83	71	24	0	0	2	2	
SHERIDAN	73	43	81	37	58	7	.1	-.4	.1	2.8	74	5.7	112	79	31	0	0	2	2	

Based on 1961-90 normals.

## CUMULATIVE GROWING DEGREE DAYS (CORN) March 1 - May 14, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	1041	+ 107	RUSSSELL	663	+ 131	YOUNGSTOWN	316	+ 15
BIRMINGHAM	1043	+ 101	SALINA	689	+ 131	ZANESVILLE	413	- 15
MOBILE	1307	+ 86	TOPEKA/BILLARD	636	+ 71	OK ALTUS	941	- 30
MONTGOMERY	1223	+ 195	WICHITA	707	+ 29	GAGE	809	+ 85
MUSCLE SHOALS	940	+ 103	KY LEXINGTON	555	- 4	HOBART	858	+ 52
OSARK	1243	+ 84	BOWLING GREEN	706	+ 39	MCALISTER	955	+ 84
TUSCALOOSA	1107	+ 94	FADUCAH	734	+ 20	PONCA CITY	858	+ 140
AZ DOUGLAS	1048	+ 119	LA LAFAYETTE	1358	+ 86	TULSA	857	+ 49
FLAGSTAFF	393	+ 93	LAKE CHARLES	1367	+ 148	OR BAKER	475	+ 217
PHOENIX	1435	+ 224	MORROE	1220	+ 151	EUGENE	526	+ 192
TUCSON	1269	+ 190	NEW ORLEANS	1369	+ 88	NORTH BEND	337	+ 138
YUMA	1637	+ 297	SHREVEPORT	1173	+ 36	PENDLETON	587	+ 229
PRESCOTT	632	+ 127	ME AUGUSTA	137	- 10	REDMOND	444	+ 149
AR EL DORADO	1085	+ 94	CARIBOU	65	- 7	PORTLAND	568	+ 238
FAYETTEVILLE	798	+ 94	HOUTON	85	- 16	SALEM	582	+ 254
FORT SMITH	971	+ 121	PORTLAND	163	+ 29	SEKTON SUMMIT	232	+ 83
JONESBORO	871	+ 49	MD SALTIBURY	649	+ 146	PA ALLENTOWN	417	+ 69
LITTLE ROCK	981	+ 54	MA WORCESTER	212	+ 11	PHILADELPHIA	543	+ 133
TEKAMANA	1087	+ 70	MI GRAND RAPIDS	283	---	WILLIAMSPORT	405	+ 70
CA BAKERSFIELD	1070	+ 142	JACKSON	311	+ 25	SC BEAUFORT	1288	+ 187
BLUE CANYON	198	+ 45	LANSING	305	- 2	CHARLESTON	1230	+ 194
DAGGOTT	1234	+ 214	MUSKOGEE	200	- 6	COLUMBIA	1179	+ 181
FURUKA	361	+ 199	PELLSTON	157	+ 12	FLORENCE	1143	+ 169
FAIRFIELD	888	+ 175	SAULT STE. MARIE	83	- 14	SD SUTTER/SHAW AFB	1070	+ 40
FRESNO	1031	+ 217	TRAVERSE CITY	210	+ 29	ABERDEEN	326	+ 96
MARYSVILLE	969	+ 176	DN DULUTH	143	+ 38	HURON	349	+ 61
MT SHASTA	433	+ 146	MI 'L FALLS	157	+ 20	PIERRE	427	+ 111
PALO VERDE	950	+ 217	MINNEAPOLIS	281	---	RAPID CITY	453	+ 156
RED BLUFF	895	+ 153	ROCHESTER	271	---	SIOUX FALLS	375	+ 76
RIVERSIDE	849	- 30	ALEXANDRIA	201	+ 19	WATERLOO	243	+ 32
SANTA ANA	1084	+ 236	ND BLOOMING	1331	+ 98	BRISTOL	660	+ 42
SAN DIEGO	835	+ 62	COLUMBUS	1217	+ 249	CHATTANOOGA	898	+ 123
SACRAMENTO	882	+ 165	JACKSON	1110	+ 75	CROSSVILLE	690	+ 154
THERMAL	1473	+ 136	MERIDIAN	1227	+ 173	MEMPHIS	1031	+ 157
CO ALAMOSA	303	+ 39	GREENWOOD	1147	+ 153	NASHVILLE	796	+ 37
DENVER	566	+ 166	MO COLUMBIA	584	+ 59	TX ABILENE	1075	+ 24
EAGLE	308	+ 37	JOPLIN	759	+ 81	AMARILLO	733	+ 36
GRAND JUNCTION	627	+ 102	SPRINGFIELD	701	+ 71	AUSTIN	1355	+ 98
LA JUNTA	686	+ 89	VICHY	616	+ 30	BROWNSVILLE	1705	+ 22
DE DOVER	482	- 56	MT HELENA	413	+ 202	COLLEGE STATION	1324	+ 99
WILMINGTON	510	+ 91	KALISPELL	314	+ 105	DALHART	736	+ 85
FL DAYTONA BEACH	1539	+ 172	MILES CITY	457	+ 176	DEL RIO	1488	+ 110
FORT MYERS	1848	+ 239	NE GRAND ISLAND	517	+ 105	DALLAS/FT WORTH	1131	+ 55
GAINESVILLE	1398	+ 7	NORFOLK	516	+ 153	HALVESTON	1445	+ 180
JACKSONVILLE	1382	+ 129	NORTH PLATTE	537	+ 144	GAUSTON/INTCNL	1424	+ 166
FORT LAUDERDALE	2015	+ 291	VALENTINE	490	+ 118	KINGSVILLE/NAS	1629	+ 37
MIAMI	2018	+ 222	SCOTTSBLUFF	544	+ 169	LAREDO	1705	+ 61
MILTON	1280	+ 70	SD SIOUX	488	+ 156	LUBBOCK	952	+ 93
PENSACOLA	1336	+ 121	NV ELKO	443	+ 153	MCALLEN	1797	+ 138
ST PETERSBURG	1738	+ 124	ELY	387	+ 139	MIDLAND	1082	- 21
TALLAHASSEE	1385	+ 159	LAS VEGAS	1278	+ 301	PALACIOS	1403	+ 56
TAMPA	1719	+ 220	RENO	622	+ 178	SAN ANTONIO	1435	+ 114
VERO BEACH	1734	+ 217	WINNEMUCA	595	+ 199	VICTORIA	1438	+ 101
GA W. PALM BEACH	1876	+ 144	NE CONCORD	258	+ 23	WACO	1172	+ 14
ATHENS	1016	+ 153	NJ NEWARK	497	+ 135	WICHITA FALLS	972	+ 4
AUGUSTA	1124	+ 139	NM ALBUQUERQUE	783	+ 66	WINK	1174	+ 83
BRUNSWICK	1333	+ 168	UT CARLSBAD	1194	+ 183	UT CEDAR CITY	516	+ 135
COLUMBUS/METRO	1202	+ 155	CLOVIS	779	+ 47	VT BARRI-MONTPELIER	156	+ 6
MACON	1199	+ 130	GALLOP	546	+ 92	BURLINGTON	206	+ 28
SAVANNAH	1333	+ 208	TRUTH OR CONSEQ.	901	+ 80	VA CHARLOTTESVILLE	730	+ 106
ID BOISE	603	+ 252	ALBANY	274	+ 10	HAMPTON/LANOLLEY	782	+ 174
BURLEY	559	+ 262	ELMIRA	291	+ 17	LYNCHBURG	668	+ 70
IDaho FALLS	450	+ 228	GLENS FALLS	243	+ 26	NORFOLK	867	+ 222
POCATELLO	492	+ 249	POUGHKEEPSIE	346	+ 43	RICHMOND	792	+ 104
IL BELLEVILLE	588	- 10	ROCHESTER	253	+ 13	WA BELLINGHAM	345	+ 162
CHICAGO/MIDWAY	390	+ 59	SYRACUSE	239	+ 2	HOQUIAM	325	+ 147
DECATUR	435	- 73	UTICA	192	- 7	SEATTLE-TACOMA	426	+ 205
PEORIA	465	+ 73	WATERLOO	198	+ 15	SPOKANE	395	+ 183
ROCKFORD	386	+ 90	NC ASHEVILLE	670	+ 29	TACOMA	438	+ 159
SPRINGFIELD	494	+ 26	FAYETTEVILLE	995	+ 135	WALLA WALLA	680	+ 295
QUINCY	448	+ 1	GREENSBORO	780	+ 73	WENATCHEE	620	+ 191
IN INDIANAPOLIS	434	- 18	HICKORY	791	+ 86	YAKIMA	625	+ 201
SOUTH BEND	362	+ 44	RALPHIGH	887	+ 117	WV HUNTINGTON	623	+ 52
TERRE HAUTE	476	+ 8	WILMINGTON	1045	+ 177	MARTINSBURG	515	+ 35
IA DES MOINES	454	+ 11	NEW BERN	977	+ 101	MORGANTOWN	492	+ 9
MASON CITY	353	+ 51	ND BISMARCK	309	+ 89	WI EAU CLAIRE	269	+ 30
OTTUMWA	454	+ 66	DICKINSON	283	+ 83	GREEN BAY	248	+ 56
SIOUX CITY	461	---	JAMESTOWN	234	+ 38	LACROSSE	321	+ 40
WATERLOO	398	---	MINOT	277	+ 103	MADISON	353	+ 77
KS CHANUTE	667	+ 33	GRAND FORKS	225	+ 49	WAUSAU	228	+ 34
DODGE CITY	672	+ 95	OH AKRON-CANTON	318	- 14	CASPER	494	+ 261
GARDEN CITY	681	+ 98	COLUMBUS	432	- 3	LANDER	426	+ 208
GOODLAND	570	+ 122	DAYTON	403	- 19	SHERIDAN	433	+ 184
MEDICINE LODGE	791	+ 59	FINDLAY	321	- 14	WORLDAM	560	+ 250

Based on 1951-80 normals.

\* Growing degree days for corn are computed to a 50°F base with the daily maximum temperature limited to 86°F or lower, and the daily minimum to 50°F or higher.

# National Agricultural Summary

May 9 - 15, 1994

**HIGHLIGHTS:** Heavy rains from severe thunderstorms washed out fields in the Texas plains before moving eastward. The storm system produced low temperatures and high winds, which caused lodging in some wheat fields and slowed cotton planting. Elsewhere, favorable rain and weather conditions allowed spring planting and tillage to progress. Rain received on Sunday in the upper Pacific Coast saved many small grain fields, but widespread dry conditions continued. Cool weather slowed crop development and required some cotton fields to be replanted in California. Low temperatures generated reports of corn emergence problems in the central Mississippi and Ohio Valleys. Producers throughout the Nation expressed hope for warmer weather to assist crop development as many crops are ahead of schedule for planting. The harvest of first cutting alfalfa hay was on schedule, with hay conditions reported as mostly good. Reports indicate cool weather slowed the growth of alfalfa hay in Wisconsin. Cotton planting surged ahead of the average in Tennessee as fields dried and allowed producers access. Crop planting in Minnesota accelerated as warmer weather prevailed. Tobacco blue mold was identified in greenhouses in three counties in Kentucky. Virginia's tobacco transplanting was ahead of last year, but behind the average for all types.

**SMALL GRAINS:** The winter wheat crop was mostly good to fair with 49 percent (%) of the winter wheat acreage headed, 1 percentage point behind the 5-year average. Georgia was 100% headed, while South Dakota, Nebraska, and Montana still reported no wheat headed. Heading of wheat progressed quickly in Kansas where a 35-point increase from last week was reported. Insect and foliar disease infestation continued to be light in Kansas. Texas' winter wheat was 51% normal, compared with 75% for last year. Hail damage was reported in the Texas plains for wheat.

Spring wheat seeding was 78% complete, 7 points behind the average, with North Dakota 13 points behind the average but showing a 31-point increase from last week. The spring wheat crop was 37% emerged, 15 points behind the average because of the cool, wet spring weather.

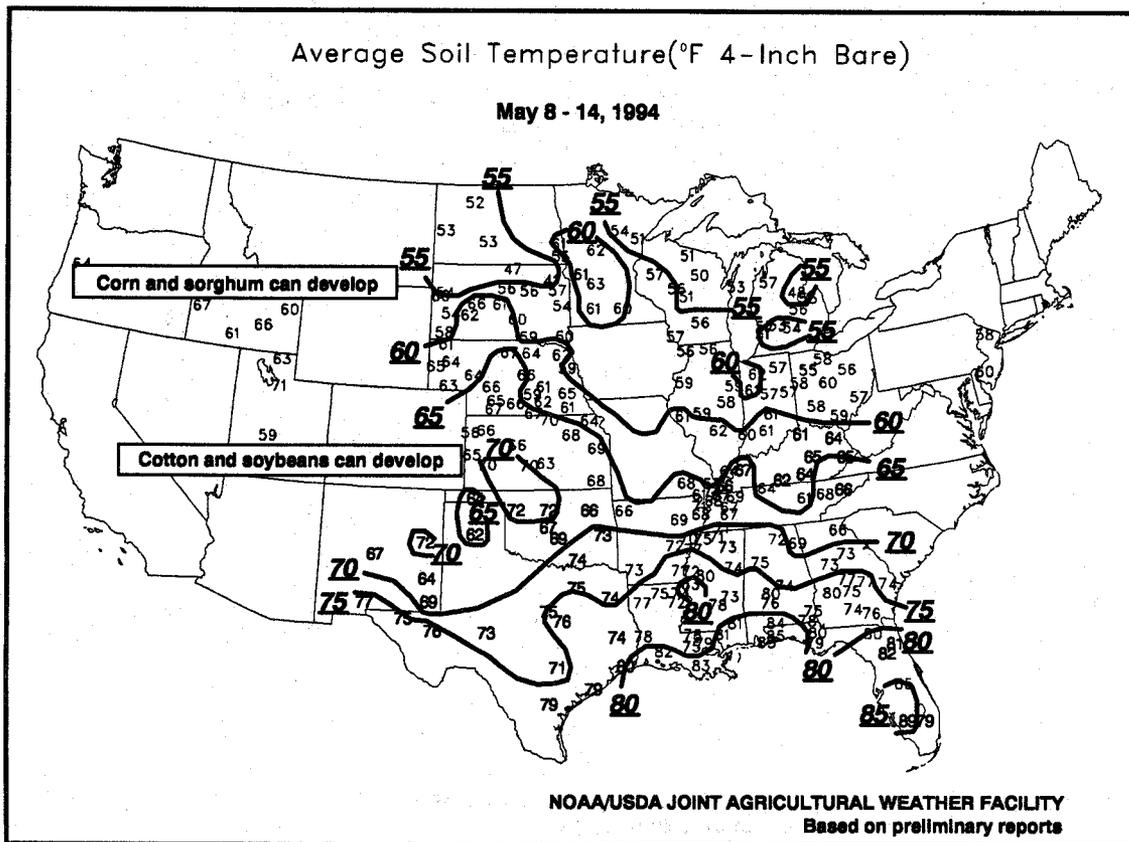
**FIELD CROPS:** Corn planted was 78% complete for the Nation, 12 points ahead of the average. Favorable weather and dry field conditions spurred corn planting. Corn planted in Michigan, Minnesota, Nebraska, and South Dakota increased over 30 points from last week. Corn was 40% emerged in Iowa, 15 points ahead of the average. Illinois and Ohio corn producers were concerned with the condition and emergence of corn fields as a result of the cool, wet weather.

Cotton planting was 63% complete, 8 points ahead of normal. Cotton planting in the Texas high plains was curtailed as the storm system brought cool, wet conditions. Some irrigated fields in the Texas' high plains showed stress, and seedling disease was reported in the Blacklands from the cool weather. In south Texas, warm conditions permitted cotton plants to square and set bolls. Mississippi cotton planting was 36 points ahead of the average, while Texas slipped to 4 points behind. Cotton planting in California was nearing completion, with some replanting reported as a result of cool soil temperatures and wet conditions.

Sorghum planting was 36% complete, 3 points ahead of normal. Nebraska reported a 13-point increase from last week, 1 point behind the average. Some Texas sorghum fields were excessively moist, yet the condition for sorghum was 85% normal, compared with 79% last year.

Rice seeding was 83% complete, 17 points ahead of the average. California fell behind the average despite a 15-point increase from last week. Mississippi was nearly finished planting and was 36 points ahead of the average. Rice was 65% emerged for the five States, 22 points ahead of the average. Mississippi's rice was 85% emerged, 42 points ahead of the average, and the condition was mostly good. Arkansas reported some flushing of rice fields.

Soybeans planted were 28% complete, 8 points ahead of the average. Iowa leads the Nation with 53% of their soybeans planted. Minnesota and Iowa advanced ahead of last week by over 30 points. Again this week, Arkansas, Iowa, and Mississippi had twice the average planted.



### Crop Progress for the Week Ending May 15, 1994

#### SPRING WHEAT PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
ID	98	95	65	88
MN	81	53	93	90
MT	88	73	79	78
ND	70	39	83	83
SD	95	82	89	96
5 Sts	78	53	84	85

These 5 States produced 97% of the 1993 spring wheat crop.

#### SOYBEANS PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AL	21	8	21	20
AR	15	8	6	7
GA	21	7	16	13
IL	21	8	5	28
IN	25	11	21	25
IA	53	20	5	23
KS	15	4	1	15
KY	6	3	5	10
LA	21	7	15	15
MI	10	5	10	15
MN	36	5	8	25
MS	39	37	5	12
MO	14	5	1	14
NE	28	5	2	18
NC	18	13	17	17
OH	44	18	26	27
SC	13	5	11	10
SD	12	2	6	13
TN	6	2	4	7
19 Sts	28	11	9	20

These 19 States produced 95% of the 1993 soybean crop.

#### WINTER WHEAT HEADED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AR	97	88	82	94
CA	98	97	98	97
CO	3	0	0	16
GA	100	100	98	100
ID	0	0	0	1
IL	24	2	17	35
IN	13	3	13	17
KS	60	25	15	60
MI	0	0	0	0
MO	28	12	17	51
MT	0	0	0	0
NE	0	0	0	10
NC	97	91	85	91
OH	1	0	0	0
OK	98	85	69	90
OR	23	8	2	13
SD	0	0	0	0
TX	78	59	77	81
WA	16	2	0	7
19 Sts	49	33	31	50

These 19 States produced 92% of the 1993 winter wheat crop.

#### COTTON PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AL	76	58	64	76
AZ	97	92	93	95
AR	75	51	40	53
CA	98	95	98	99
GA	85	60	67	57
LA	93	83	66	72
MS	97	83	43	61
MO	72	18	41	64
NM	73	70	86	91
NC	72	52	66	62
OK	15	10	14	18
SC	89	65	77	65
TN	71	31	47	55
TX	35	31	41	39
14 Sts	63	51	52	55

These 14 States produced 99% of the 1993 cotton crop.

#### CORN PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
CO	76	53	69	74
GA	99	99	99	98
IL	69	59	37	73
IN	65	45	47	65
IA	98	85	20	66
KS	95	70	70	80
KY	65	45	56	64
MI	50	20	30	50
MN	79	46	31	61
MO	68	54	16	60
NE	91	58	38	74
NC	96	92	90	87
OH	80	62	61	62
PA	40	26	37	37
SD	52	18	22	54
TX	96	86	94	95
WI	65	38	19	46
17 Sts	78	58	38	66

These 17 States produced 91% of the 1993 corn crop.

#### GRAIN SORGHUM PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AR	81	69	38	56
CO	15	8	7	9
IL	1	1	3	14
KS	10	4	3	10
LA	67	52	53	68
MS	75	73	44	58
MO	26	9	7	24
NE	13	0	2	14
NM	26	2	19	37
OK	26	15	9	11
SD	3	1	1	6
TX	74	71	70	68
12 Sts	36	29	28	33

These 12 States produced 98% of the 1993 grain sorghum crop.

#### RICE PLANTED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AR	89	81	35	59
CA	45	30	35	48
LA	86	83	80	84
MS	99	99	34	63
TX	96	90	74	89
5 Sts	83	76	48	66

These 5 States produced 96% of the 1993 rice crop.

#### RICE EMERGED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
AR	68	50	17	35
CA	15	2	5	9
LA	80	70	70	74
MS	85	83	21	43
TX	79	59	63	73
5 Sts	65	50	31	43

These 5 States produced 96% of the 1993 rice crop.

#### SPRING WHEAT EMERGED

State	Week Ending			
	May 15, 1994	May 8, 1994	May 16, 1993	1989-1993 Avg.
	Percent			
ID	89	76	45	69
MN	29	17	56	62
MT	49	26	17	31
ND	24	7	44	47
SD	77	56	71	85
5 Sts	37	20	45	52

These 5 States produced 97% of the 1993 spring wheat crop.

### Crop Condition

for the Week Ending May 15, 1994

#### WINTER WHEAT

State	VP	P	F	G	EX
	Percent				
AR	0	3	37	50	10
CA	0	0	5	75	20
CO	1	7	25	49	18
GA	0	0	16	78	6
ID	0	1	19	66	14
IL	0	11	39	47	3
IN	0	0	31	58	11
KS	0	2	42	52	4
MI	0	5	25	50	20
MO	1	9	56	34	0
MT	4	9	21	50	16
NE	0	4	33	58	5
NC	1	1	17	77	4
OR	1	4	20	53	22
OK	0	0	60	40	0
OR	3	11	39	36	11
SD	2	0	27	65	6
TX	4	34	48	10	4
WA	10	10	40	30	10
19 Sts	1	7	40	45	7
Prev Wk	2	8	40	44	6
Prev Yr	0	2	22	59	17

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

## 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 0.07 to 1.60 in. north; 0.13 to 1.31 in. central; 0.03 to 0.68 in. south. Temperatures 1° below normal to 5° above normal. Lows 42 to 59° north; 48 to 61° central; 56 to 67° south. Highs 81 to 87° north; 85 to 90° central; 87 to 92° south.

Days suitable for fieldwork 7.0. Soil moisture 17% short, 77% adequate, 6% surplus. Percent acreage prepared 93%, 91% 1993, 90% avg. Corn planted 93%, 89% 1993, 93% avg.; 31% fair, 62% good, 7% excellent. Sorghum planted 38%, 34% 1993, 42% avg. Peanuts planted 68%, 72% 1993, 72% avg. Hay first cutting 33%, 23% 1993, 26% avg. Wheat headed 91%, 75% 1993, 93% avg.; turning color 38%, 23% 1993, 53% avg.; 33% fair, 55% good, 12% excellent. Pasture 22% fair, 72% good, 6% excellent. Livestock 21% fair, 72% good, 7% excellent. Seasonal activities: Planting corn, cotton, peanuts, sorghum, soybeans, vegetables.

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

Days suitable for seeding and ground preparation 7. Fieldwork progress ranged from on schedule to 7 days ahead of normal. Barley seeding 65% complete, equal to last years progress. Commercial potato planting was just beginning, slightly behind the 1993 pace. Livestock 5% poor, 10% fair, 70% good, 15% excellent. Topsoil moisture supplies 30% short, 65% adequate, 5% surplus. Subsoil moisture supplies 5% short, 90% adequate, 5% surplus.

**ARIZONA:** Temperatures below normal; 5° below to 1° above. Extremes 26°; 91° higher elevations; 44°; 103° deserts. Precipitation some stations. Rainfall none to 0.76 in.

Cotton good, planting nears completion; planted to date 97%, 93% 1993, 95% avg. Weed infestations light to moderate; insect, disease infestations continue light. Small grains heading 100%, 100% 1993, 100% avg.; turning color 92%, 88% 1993, 85% avg. Condition remains good to excellent. Alfalfa good. Harvest progress mostly active. Weed infestations light to moderate; insect, disease infestations remain light. Citrus harvest continues; Grapefruit, lemons, valencia oranges, central, western areas. Vegetables harvested from western, central areas were cabbage, dry onions. Central crops also available included broccoli, carrots, green onions, kale, leeks, iceberg lettuce, mixed greens, parsley, potatoes, rutabagas, salad savoy. Bell peppers available western areas. Iceberg lettuce, tomatoes available eastern areas.

**ARKANSAS:** Temperatures near normal with thunderstorms last part of the week, locally heavy. Extremes 40°; 90°. Precipitation 0.23 to 4.57 in.

Days were suitable for fieldwork 5. Soil moisture supplies 8% short, 71% adequate, 21% surplus. Crop development ahead of schedule. Some flushing of rice fields. Treatment for armyworms continued on wheat, began on some rice, sorghum. Cotton emerged 50%, 14% 1993, 27% avg. Corn planted 99%, 77% 1993, 90% avg. Corn, sorghum treated for chinch bugs in several areas. Sunflowers good. Peaches, strawberries, tomatoes, pecans mostly good. Strawberry harvest ongoing. Fertilization, weed control of pastures ongoing. Planting of summer grasses continued. Cutting of hay underway. Pasture conditions: 10% fair, 87% good, 3% excellent. Alfalfa conditions: 34% fair, 66% good. Other hay conditions: 40% fair, 60% good. Livestock good condition. Good weight gains reported for cattle in several areas.

**CALIFORNIA:** Cold, wet low pressure moved out on 8th. A few lingering showers continued, extreme north. Temperatures rebounded rapidly 9th, except minor cooling interior valleys midweek.

Field activities slowed most areas, wet soils from earlier rains. Dryland small grains some improvement after rain; lodging problem central, south. Wheat harvest expected southern areas end May. Rice planting good progress. Emerged fields sprayed broadleaf weeds, water weevils, shrimp. Cotton planting neared completion. Some replanting necessary, poor development caused by cool soil

temperatures, excessive moisture. Cultivation, thinning, weeding, mite treatments ongoing. Planting corn, dry beans. Corn, sorghum sprayed weeds. Over-wintered sugarbeets harvested, treated mildew where conditions allowed. Alfalfa, oats, forage mixes, sudangrass cut hay, greenchopped. Some cut fields alfalfa, oat hay rained on; suffered mold, mildew damage. Apricot, avocado, cherry, nectarine, and freestone peach harvests active. Hail damage in apricots, split fruit in cherries causing concern. Grapes treated for mildew, suckering. Control activities for mites, mildew, codling moth in apples. Blight, codling moth control active in walnuts. Olive trees bloomed. New crop avocados setting fruit. Navel orange harvest winding down; Valencia harvest gathering momentum. Lemon, grapefruit harvests continued. Thrips control for new crop citrus concerned growers. Strawberry harvest continued; recent rains caused some damage. Harvest asparagus continued Sutter County, Firebaugh District Fresno County. Movement broccoli light around Salinas-Watsonville, Santa Maria. Cauliflower very light supply central coast. Cabbage harvested Fresno County. Celery harvested south coast. Head Lettuce light movement Salinas, Santa Maria. Harvest leaf, Romaine lettuce San Joaquin Valley continued. Melons treated for whitefly Sutter County, Riverside County harvested melons. Onions, garlic harvested Riverside County. Peppers planted central valley. Spring potatoes harvested Kern County. Summer potatoes Riverside County showed good growth. Squash harvest delayed wet weather Tulare County. Harvest sweet corn Riverside County full swing. Sweet potatoes planted Merced County. Fresh market tomatoes planted San Joaquin Valley. Some processing tomato fields Fresno County received hail damage. Other crops being harvested: Radishes, turnips, taro root, oriental vegetables. Cattle, sheep remained good condition. Range, pasture conditions variable, continued deteriorating rapidly. Movement livestock reported lower elevations due to reduced feed supplies. Movement livestock higher elevations heavy. Stockers shipped from ranges to feedlots. Sheep grazing dry land stubble.

**COLORADO:** Temperatures 10 to 15° above normal on the 9th through the 11th while precipitation was below normal. Because of increased thunderstorm activity, the 12th, 13th were cooler than the first part of the week. Rain amounts were above normal in the eastern part of the State. The 14th was dry with near normal temperatures as high pressure dominated the weather. The 15th was warm again with isolated thunderstorms that produced little precipitation. On the average, temperatures 2 to 7° above normal mainly across eastern, west-central sections of the State.

Days suitable for fieldwork 4.9. Soil moisture 3% very short, 20% short, 64% adequate, 13% surplus. Spring barley 97% seeded, 88% 1993, 93% avg.; 83% emerged, 69% 1993, 72% avg.; 7% poor, 25% fair, 48% good, 20% excellent. Dry beans 2% seeded, 4% 1993, 4% avg. Oats 88% seeded, 65% 1993, 86% avg.; 77% emerged, 56% 1993, 68% avg.; 2% poor, 39% fair, 51% good, 8% excellent. Dry onion planting complete, condition 1% very poor, 1% poor, 12% fair, 76% good, 10% excellent. Sugarbeets planting complete after some replanting occurred due to late April freeze. Sugarbeets 3% very poor, 4% poor, 23% fair, 66% good, 4% excellent. Corn 27% emerged, 26% 1993, 27% avg. Summer potatoes 98% planted, 85% 1993, 82% avg.; 50% emerged, 26% 1993, 48% avg. Summer potatoes condition 3% poor, 13% fair, 79% good, 5% excellent. Fall potatoes 73% planted, 40% 1993, 49% avg. Winter wheat 81% jointed, 78% 1993, 79% avg. Warmer weather increased emergence progress in most crops. Livestock good to excellent. Pasture, range feed condition mostly good.

**FLORIDA:** Temperatures 2 to 5° above normal. Highs; 90 to 95° except upper 80s immediate Atlantic Coast. Lows; low 60s north to mid 70s lower southeast coast. Isolated to widely scattered showers, thunderstorms.

Soil moisture short to adequate Panhandle, north Peninsula, central Peninsula mostly short, scattered adequate areas, southern Peninsula adequate. Winter wheat harvest started. Soybean planting active.

Peanut, cotton winding down. Some cotton planting in dry soil. Some dryland crops drought stressed. Corn, sugarcane making good progress. Hay cutting started. Rain needed most citrus areas. Lots of irrigation. New crop fruit making good progress in well-cared-for groves. Valencia harvest active most areas. White grapefruit harvest almost complete. Colored grapefruit slowing as supplies limited. Temple harvest all but over. Honey tangerine harvest nearly complete. Skies clear over most of major vegetable producing areas, Homestead locations received up to 2.50 in. rain, hampering fieldwork. Cucumber picking underway, pepper harvest gaining momentum, north. Season essentially complete Dade/Homestead, season winding down southwest. Leading vegetable shipments were: Potatoes, tomatoes, watermelons, sweet corn, peppers. Also available: Snap beans, blueberries, cabbage, carrots, celery, chinese cabbage, cucumber, eggplant, escarole, okra, parsley, romaine, specialty lettuces, radishes, squash, cherry tomatoes. Pasture feed 10% poor, 40% fair, 45% good, 5% excellent. Cattle herds fair to good.

**GEORGIA:** Temperatures 1 to 2° below normal northeast mountains, 2 to 4° above normal extreme south. Highs around 80° mountains, upper 80s central, lower 90s extreme south. Coolest lows lower 40s mountains, lower 50s central, near 60° extreme south. One to 2 rain days over the State, some south central counties 3 days. Rain totals 1.00 to 2.00 in. common northern third, local spots under 0.50 in. Elsewhere, amounts generally under 0.50 in. with over 1.00 in. few local places.

Days suitable for fieldwork 6.1. Soil moisture 6% very short, 53% short, 40% adequate, 1% surplus. Corn 1% poor, 23% fair, 74% good, 2% excellent; planting complete except northern third, silage corn. Cotton 1% poor, 18% fair, 73% good, 8% excellent; planting very active, almost two weeks ahead of normal. Sorghum 10% fair, 89% good, 1% excellent; 61% planted, 40% 1993, 35% avg. Peanuts 8% fair, 85% good, 7% excellent; 80% planted, 83% 1993, 70% avg. Soybeans 17% fair, 81% good, 2% excellent. Tobacco 14% fair, 83% good, 3% excellent; budworms causing problems, some mosaic showing. Other small grains 19% fair, 76% good, 5% excellent; isolated harvest underway. Onions 5% fair, 92% good, 3% excellent; 86% harvested, 70% 1993, 79% avg. Watermelons 6% fair, 93% good, 1% excellent; 99% planted, 98% 1993, 97% avg. Other vegetables 1% fair, 98% good, 1% excellent. Apples 11% fair, 78% good, 11% excellent. Peaches 3% very poor, 3% fair, 89% good, 5% excellent; 11% harvested, 1% 1993, 7% avg. Hay 1% very poor, 21% fair, 75% good, 3% excellent. Pasture 1% very poor, 1% poor, 25% fair, 70% good, 3% excellent. Cattle, hogs good. Activities: Planting all spring crops, irrigating, baling hay, mowing pastures.

**HAWAII:** Sunny weather continued throughout the State. Low pressure system north of island chain resulted in the favorable conditions. Temperatures mid 60s to mid 80s. Winds light to moderate, 10 to 25 mph. Rainfall none to 3.70 in.

Weather favorable for crop progress. Increased irrigation necessary many localities to ensure normal crop development. Sugar harvesting active all islands.

**IDAHO:** Temperatures up to 17° above normal. Extreme high 91°, low 30°. Precipitation none to 0.15 in. north, none to 0.37 in. southwest, none to 0.26 in. south-central, none to 0.64 in. east. Windstorms on 15th southwest.

Days suitable for fieldwork 7. Soil moisture 6% very short, 19% short, 75% adequate. Potatoes planted 74%, 44% 1993, 65% avg. Potatoes emerged 13%, 0% 1993, 6% avg. Spring barley planted 98%, 63% 1993, 87% avg. Spring barley emerged 84%, 40% 1993, 67% avg. Oats planted 89%, 47% 1993, 76% avg. Oats emerged 68%, 21% 1993, 53% avg. Sugarbeet plantings complete; emerged 91%, 33% 1993, 74% avg.; thinned 19%, 0% 1993, 9% avg. Field corn planted 61%, 24% 1993, 52% avg. Field corn emerged 16%, 3% 1993, 12% avg. Dry beans planted 5%, 1% 1993, 5% avg. Dry edible peas planted 88%, 20% 1993, 77% avg. Dry edible peas emerged 71%, 3% 1993, 49% avg. Lentils planted 86%, 14% 1993, 75% avg. Lentils emerged 57%, 1% 1993, 47% avg. Irrigation water supplies 6% poor, 30% fair, 57% good, 7% excellent. Hay, roughage supplies 4% short, 93% adequate, 3% surplus. Activities: Irrigating, planting potatoes, dry beans, corn, thinning sugarbeets, weed control, moving cattle.

**ILLINOIS:** Seasonable temperatures with moderate to light rainfall. Temperatures 2° below to 3° above normal. Highs low 70s north to upper 70s south. Lows 40s to 50s. Rainfall a few tenths to over 1.00 in., with most amounts around 0.50 in. or less.

Days suitable for fieldwork 3.75. Soil moisture 10% short, 43% adequate, 47% surplus. Oats headed 3%, 0% 1993, 2% avg. Alfalfa hay first cutting 5%, 1% 1993, 7% avg. Red Clover hay first cutting 1%, 1% 1993, 2% avg. Pasture 94% normal. Alfalfa 19% fair, 72% good, 9% excellent. Red clover 12% fair, 82% good, 6% excellent. Fieldwork made good progress across the northern half of the State, was spotty across the southern half, as farmers search for fields dry enough to work. Condition, population of emerging corn fields are of concern to farmers after a period of cool, generally wet conditions.

**INDIANA:** Seasonably cool, dry weather dominated the first part of the week. Southerly winds returned to the State at midweek along with an influx of moisture. Temperatures about normal with southeastern sections 2 to 3° below normal, while to the west temperatures reached 2° above normal. Temperatures mid 50s to mid 60s. Highs upper 60s to upper 70s with lows in the low 40s to mid 50s. Precipitation moderate south to none north. Totals averaged near 0.25 in. or less over the north. Central areas received 0.50 in. on average while the south commonly received between 0.50 to 1.00 in. Scattered areas in the west-central, southwest, south-central received in excess of 1.00 in.

Planting, tillage sped along in north, central areas. Southern areas still waiting for dryer weather. Livestock, pasture are reported to be in good to excellent condition. Main activities: Planting corn, soybeans, farm, machinery maintenance, spraying or spreading fertilizer, pesticide application, caring for livestock, scouting fields for dry spots, germination. Pastures 93% of normal, 92% last week. Topsoil 2% short, 69% adequate, 29% surplus. Subsoil moisture 73% adequate, 27% surplus. Oats seeded 98%, 76% 1993, 90% avg. Spring tillage 83%, 73% 1993, 87% avg. Alfalfa 1st cutting 3%, 5% avg. Tobacco set 5%, 4% avg.

**IOWA:** Temperatures 3 to 5° above normal. Extremes 35°, 85°. Precipitation none to 0.99 in.; 0.22 in. avg., normal 0.88 in.

Days suitable for fieldwork 5.6. Topsoil 3% short, 73% adequate, 24% surplus. Subsoil 1% short, 91% adequate, 8% surplus. Corn emerged 40%, 10% 1993, 25% avg. Soybeans emerged 6%, 0% 1993, 1% avg. Winter wheat 1% poor, 25% fair, 67% good, 7% excellent. Pasture 3% poor, 30% fair, 62% good, 5% excellent. Oats 2% poor, 20% fair, 68% good, 10% excellent. Hay 6% poor, 28% fair, 62% good, 4% excellent. Corn 2% poor, 29% fair, 64% good, 5% excellent. Livestock good to excellent. Concern was expressed about the effect the lack of rainfall is having on pastures.

**KANSAS:** Temperatures 1° above normal northeast, 6° above normal northwest. All other districts 2 to 4° above normal. Precipitation less than 0.50 in. all but the west central district, southeast district. West central 0.58 in., southeast 1.00 in.

Days suitable for fieldwork 4.0. Topsoil 11% short to very short, 76% adequate, 13% surplus. Subsurface moisture 7% short to very short, 78% adequate, 15% surplus. Heading of wheat crop progressing well across the State. Barley yellow dwarf has developed rapidly reaching moderate to severe levels over southern counties in the eastern half of the State. Wheat streak mosaic is present in the central, western districts. Other foliar disease infestations remain light. Russian wheat aphid are reported in the western districts. Few reports of substantial freeze damage to wheat have been reported thus far. Corn planting made good progress across the State. Much of the corn that was freeze damaged appears to be recovering. Most of the sorghum, soybean planting thus far has occurred in the southern areas of the State. Pastures are in good condition in all districts.

**KENTUCKY:** Mean temperatures lower 60s east to middle 60s west. Precipitation 0.50 to a little over 1.00 in., heaviest amounts west-central.

Days suitable fieldwork 4.2. Soil moisture 78% adequate, 22% surplus. Generally warmer temperatures improved emerged corn, wheat prospects. Corn planting made good progress, 53% planted acres had emerged. Soybean planting advanced slowly. Tobacco setting just getting started. Burley 8%, 7% 1993, 8% avg. Plant size: under 2 in. 35%, 2 to 4 in. 39%, over 4 in. 26%. Dark tobacco set, 8%. Blue mold identified in greenhouses of three counties. Winter wheat

91% headed, 90% 1993, 85% avg. Generally good condition. Trying to bale hay as weather permits. Alfalfa weevils continue active. Pastures 94% normal.

**LOUISIANA:** Temperatures 1.3 to 4.6° above normal. Extremes 54°; 92°. Rainfall 0.32 northeast, to 1.92 in. northwest, southeast.

Days suitable for fieldwork 3.4. Soil moisture supplies 66% adequate, 34% surplus. Corn 37% fair, 63% good; 100% planted, 99% 1993, 99% avg.; 99% emerged, 97% 1993, 98% avg.; 1% silked, 0% 1993, 0% avg. Planting completed, warmer weather has helped speed growth. Cotton 5% poor, 64% fair, 31% good; 80% emerged, 46% 1993, 59% avg. Planting made progress toward weekend when drier, warmer weather entered the State. Hay 31% first cutting, 28% 1993, 22% avg. Slowed because of high humidity and soggy fields. Rice 42% fair, 58% good. Planting made good progress. Sorghum 10% poor, 67% fair, 23% good; 57% emerged, 42% 1993, 59% avg. Soybeans 11% emerged, 7% 1993, 8% avg. Planting progress was slowed because of wet soils. Spring plowing 96% plowed, 90% 1993, 90% avg. Sweet Potatoes 5% planted, 16% 1993, 14% avg. Progress was slowed. Sugarcane 2% poor, 54% fair, 44% good. Fertilization continued. Wheat 2% very poor, 5% poor, 56% fair, 37% good; 98% headed, 98% 1993, 98% avg.; 82% turning color, 52% 1993, 73% avg.; 0% harvested, 3% 1993, 7% avg. Livestock 2% poor, 39% fair, 54% good, 5% excellent. Pasture 1% poor, 5% fair, 94% good. Vegetables 26% fair, 66% good, 8% excellent.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 0.93 in., normal 0.79 in. Temperature 57.3°, normal 60.4°. Extremes 33°; 78°.

Days suitable for fieldwork: 5.3. Topsoil moisture 80% adequate, 20% surplus. Subsoil moisture 80% adequate, 20% surplus. Pasture excellent. Small grain fair to good. Winter wheat 50% headed, 48% 1993, 58% avg. Barley 97% headed, 88% 1993, 92% avg. Rye 78% headed, 71% 1993, 89% avg. Corn grain 71% planted, 56% 1993, 59% avg. Soybeans 6% planted, 7% 1993, 6% avg. Sweet corn 50% planted, 60% 1993, 48% avg. Potato 95% planted, 100% 1993, 98% avg. Watermelons 57% planted, 48% 1993, 57% avg. Cantaloupes 59% planted, 62% 1993, 56% avg. Tomatoes 61% planted, 62% 1993, 63% avg. Other hay 8% first cut, 5% 1993, 6% avg. Alfalfa hay 10% first cut, 7% 1993, 14% avg. Apples 96% bloomed, 96% 1993, 97% avg. Strawberries 81% bloomed, 86% 1993, 89% avg.

**DELAWARE:** Precipitation 0.77 in., normal 0.76 in. Temperature 57.0°, normal 61.3°. Extremes 39°; 74°.

Days suitable for fieldwork 6.6. Topsoil 60% adequate, 40% surplus. Subsoil moisture 100% adequate. Pasture excellent. Small grain fair. Wheat 49% headed, 34% 1993, 58% avg. Barley 86% headed, 97% 1993, 96% avg. Rye 84% headed, 53% 1993, 85% avg. Corn grain 81% planted, 66% 1993, 72% avg. Sweet corn 53% planted, 69% 1993, 59% avg. Potato 92% planted, 93% 1993, 98% avg. Watermelons 46% planted, 51% 1993, 37% avg. Cantaloupes 33% planted, 47% 1993, 32% avg. Tomatoes 29% planted, 51% 1993, 39% avg. Other hay 21% first cut, 29% 1993, 22% avg. Alfalfa hay 19% first cut, 16% 1993, 18% avg. Apples 77% bloomed, 98% 1993, 99% avg. Strawberries 93% bloomed, 77% 1993, 90% avg.

**MICHIGAN:** Extremes 26°; 76°. Precipitation 0.03 to 1.70 in.

Days suitable for fieldwork 6. Soil moisture 5% short, 80% adequate, 15% surplus. Corn 50% planted, 30% 1993, 50% avg. Oats 90% planted, 65% 1993, 80% avg. Potatoes 50% planted, 45% 1993, 50% avg. Sugarbeets 95% planted, 75% 1993, 85% avg. Soybeans 10% planted, 10% 1993, 15% avg. Winter wheat 0% headed, 0% 1993, 0% avg.; 10% poor, 30% fair, 45% good, 15% excellent. Pasture feed 85% of normal. Major activities: Planting field crops, planting, spraying, pruning fruit trees.

**MINNESOTA:** Temperatures 2 to 5° above normal. Extremes 26°; 86°. Precipitation near normal to 0.60 in. below normal for the State. Greatest weekly total 1.78 in.

Days suitable for fieldwork 5.9. Topsoil 5% short, 83% adequate, 12% surplus. Corn 84% land prepared, 41% 1993, 73% avg.; 79% planted, 31% 1993, 61% avg.; 9% emerged, 6% 1993, 13% avg. Soybeans 53% land prepared, 20% 1993, 44% avg.; 36% planted, 8% 1993, 25% avg. Spring wheat 81% planted, 93% 1993, 90%

avg.; 29% emerged, 56% 1993, 62% avg. Oats 95% planted, 80% 1993, 89% avg.; 65% emerged, 50% 1993, 66% avg.; 2% jointing, 1% 1993, 1% avg. Barley 73% planted 93% 1993, 87% avg.; 24% emerged, 51% 1993, 51% avg. Sugarbeets 91% planted, 94% 1993, 90% avg. Potatoes 54% planted, 56% 1993, 46% avg. Green peas 76% planted, 32% 1993, 62% avg. Sweet corn 47% planted, 12% 1993, 32% avg. Dry beans 20% planted, 14% 1993, 20% avg. Flax 16% planted, 43% 1993, 30% avg. Sunflowers 30% planted, 43% 1993, 28% avg.

**MISSISSIPPI:** Temperatures 2.3° above normal. Extremes 41°; 91°. Soil temperature 76°. Rainfall 0.91 in., 0.29 in. below normal. Northeast district received close to 2.00 in. of rainfall.

Days suitable for fieldwork 4.5. Soil moisture 4% short, 72% adequate, 24% surplus. Corn 97% planted, 75% 1993, 82% avg.; 96% emerged, 59% 1993, 74% avg.; 18% fair, 76% good, 6% excellent. Cotton 97% planted, 43% 1993, 61% avg.; 87% emerged, 19% 1993, 44% avg.; 5% poor, 67% fair, 22% good, 6% excellent. Rice 99% planted, 34% 1993, 63% avg.; 85% emerged, 21% 1993, 43% avg.; 12% poor, 29% fair, 41% good, 18% excellent. Sorghum 75% planted, 44% 1993, 58% avg.; 60% emerged, 32% 1993, 49% avg.; 49% fair, 39% good, 12% excellent. Soybeans 39% planted, 5% 1993, 12% avg.; 34% emerged, 3% 1993, 7% avg.; 24% fair, 58% good, 18% excellent. Wheat 100% heading, 89% 1993, 97% avg.; 19% mature, 9% 1993, 22% avg.; 3% poor, 25% fair, 62% good, 10% excellent. Hay 23% harvested, 14% 1993, 16% avg. Peanuts 89% planted, 17% 1993, 35% avg. Sweet potatoes 5% planted, 9% 1993, 24% avg. Watermelons 91% planted, 72% 1993, 81% avg.; 31% fair, 69% good. Livestock 10% fair, 65% good, 25% excellent. Pasture 87% of normal. Activities: Planting crops, weed control, cultivation.

**MISSOURI:** Temperatures about normal, 2° below normal to 2° above normal. Rainfall 0.69 in., ranging from 0.46 in. north-central to 1.13 in. central district.

Days suitable for fieldwork 3.2. Topsoil 1% short, 54% adequate, 45% surplus. Ground worked at least once for spring crops 85%, 44% 1993, 87% avg. Wheat heading most advanced in southern third of State. Alfalfa hay cut 6%, 2% 1993, 13% avg. Other hay cut 3%, 2% avg. Pastures 3% poor, 26% fair, 61% good, 10% excellent.

**MONTANA:** Temperatures above normal. Much below normal precipitation except southwestern, south-central districts which received moderate rainfall.

Days suitable for fieldwork 6.2. Topsoil moisture 25% short, 71% adequate, 4% surplus. Subsoil moisture 20% short, 76% adequate, 4% surplus. Barley 88% planted, 66% 1993, 72% avg. Barley 47% emerged, 15% 1993, 30% avg. Oats 83% planted, 52% 1993, 63% avg. Oats 35% emerged, 9% 1993, 21% avg. Sugarbeets 99% planted, 84% 1993, 88% avg. Sugarbeets 45% emerged, 31% 1993. Corn 71% planted, 42% 1993, 43% avg.; 19% emerged, 0% 1993. Dry beans 23% planted, 21% 1993, 19% avg. Potatoes 63% planted, 9% 1993, 22% avg.; 1% emerged, 1% 1993. Cattle, calves to summer pastures, 49%; sheep, lambs, 46%. Pasture, range feed 96% of normal.

**NEBRASKA:** Temperatures near normal southeast to 6° above normal north-central, Panhandle. Precipitation 0.75 in. southeast to less than 0.25 in. elsewhere.

Days suitable for fieldwork 6.3. Topsoil moisture 25% short, 72% adequate, 3% surplus. Subsoil moisture 3% short, 94% adequate, 3% surplus. Wheat 4% poor, 33% fair, 58% good, 5% excellent; 82% jointed, 75% 1993, 86% avg. Corn 91% planted, 38% 1993, 74% avg.; 25% emerged, 9% 1993, 30% avg. Soybeans 28% planted, 2% 1993, 18% avg. Sorghum 13% planted, 2% 1993, 14% avg. Alfalfa 1% poor, 25% fair, 70% good, 4% excellent. Wild hay 10% fair, 88% good, 2% excellent. Pasture, range 96% of normal.

**NEVADA:** Precipitation heaviest north with 0.20 in., lighter amounts in the south. Temperatures above normal across State: northwest 7° above, south 5° above. Extremes 22°; 104°.

Planting spring grains, potatoes nearing completion. Condition all crops fair to good. Surface irrigation water supplies mostly short. Livestock good condition, movement to summer grazing continues.

**NEW ENGLAND:** Precipitation 0.02 to 1.54 in. Temperatures 43 to 54° north, 49 to 58° south. Maximum temperatures 61 to 81° north, 69 to 76° south. Minima 27 to 40° north, 30 to 43° south.

Maine potatoes 5% planted, 5% 1993, 15% avg.; poor; too cold, wet. Field corn 20% planted, 25% 1993, 25% avg.; good. Sweet corn 30% planted, 25% 1993, 30% avg.; good. Apples at early bloom stage. Cranberries at bud stage. Peaches, pears at early to full bloom stage. Major farm activities: Plowing fields, planting field crops. Planting early cool season crops: Peas, beets, carrots, onions. Applying oil sprays to orchards. Putting bees into orchards for pollination.

**NEW JERSEY:** Temperatures below normal. Extremes 31°; 83°. Rainfall 0.77 in. north, 0.61 in. central, 0.24 in. south. Heaviest 24 hour total 1.14 in. Estimated soil moisture, in percent of field capacity, averaged 96% north, 90% central, 79% south. Four inch soil temperatures averaged 55° north, 57° central, 58° south.

Days suitable for fieldwork 5. Ground preparation still 1 week behind. Field preparation active. Planting of vegetables. Asparagus harvest active. Planting of potatoes complete in most areas. Planting of snap beans, sweet corn active. Harvesting of some types of lettuce. Some report of root damage on peaches in some areas of south jersey. Fruit set good for apples. Early harvesting of strawberries in limited areas. Blueberries past bloom in some areas. Some planting of corn, soybeans underway.

**NEW MEXICO:** A very slow moving low pressure system provided substantial rainfall for much of the State. Only the southwestern-most counties remained dry. Higher totals 3.58 in. at Clayton, 3.38 in. at Des Moines, 3.22 in. at Hobbs. Temperatures normal to slightly below normal at most locations, State average about 1° below normal.

Days suitable for fieldwork 4. Soil moisture 54% short, 46% adequate. Wind damage light to moderate across the State affecting chile, alfalfa, cotton, lettuce. Cropland conditions: Alfalfa 4% poor, 29% fair, 63% good, 4% excellent. Irrigated wheat 31% fair, 56% good. Dryland wheat 67% poor, 33% fair. Wheat crop 63% headed. Chile 8% poor, 25% fair, 67% good. Onions, lettuce good to excellent. Cattle, sheep poor to good with 86% in the fair to good range. Range feed 60% of normal.

**NEW YORK:** Wet on 8th with many places receiving between 0.25 to 0.50 in. Rest of week dry except spotty light precipitation on 9th, 10th, 11th. On 12th, parts of Hudson Valley picked up over 0.50 in. due to afternoon thunderstorms. Temperatures up and down, near normal for week. Highs in 50s to lower 60s on 8th, 13th; in the 60s, 70s 9th thru 11th, 14th. Many areas reported first morning of 14th. Overall precipitation for week slightly below normal most areas.

Days suitable for fieldwork 4.2. Soil moisture mostly adequate. Pasture feed 91% of normal. Hay, wheat fair to good. Corn 26% planted, 25% 1993, 21% avg. Oats 71% planted, 53% 1993, 65% avg. Upstate potatoes 65% planted. In Hudson Valley, apples exhibit good crop potential. Peaches show very light bloom on one good site, no bloom on others. Bartlett pear, tart cherries show good bloom, set. Sweet cherries show very light bloom on one site, no bloom on others. Sweet corn 10 to 40% planted statewide. Early onion planted fields at flag stage. Cabbage transplanting continues.

**NORTH CAROLINA:** Temperatures 9° below normal to 3° above normal. Rainfall 1.65 in. at Aurora to no precipitation at several locations.

Days suitable for fieldwork 5.9. Soil moisture 1% very short, 25% short, 74% adequate. Crop conditions: Wheat 1% very poor, 1% poor, 17% fair, 77% good, 4% excellent; oats 1% very poor, 2% poor, 14% fair, 79% good, 4% excellent; barley 1% very poor, 14% fair, 82% good, 3% excellent; rye 1% very poor, 9% fair, 87% good, 3% excellent; pasture 1% poor, 21% fair, 77% good, 1% excellent; field tobacco 22% fair, 76% good, 2% excellent; corn 15% fair, 79% good, 6% excellent; cotton 5% poor, 28% fair, 67% good; hay 1% poor, 28% fair, 69% good, 2% excellent; peaches 7% fair, 80% good, 13% excellent; truck crops 21% fair, 75% good, 4% excellent; hay, roughage supplies 1% very short, 23% short, 76% adequate; corn planted 96%, 90% 1993, 87% avg.; cotton planted 72%, 66% 1993, 62% avg.; peanuts planted 59%, 60% 1993, 47% avg.; sorghum planted 31%, 27% 1993, 32% avg.; soybeans planted 18%, 17% 1993, 17% avg.; flue-cured tobacco transplanted 84%, 73% 1993, 76% avg.; burley tobacco transplanted 7%, 5% 1993, 8% avg.; sweetpotatoes 17%, 16% 1993, 20% avg. Activities included:

Transplanting tobacco; planting corn, soybeans, cotton; cutting hay, preparing land for planting. Other activities included: Planting peanuts, truck crops; transplanting sweet potatoes; tending livestock.

**NORTH DAKOTA:** Showers, thunderstorms as cold front moved through State late in the week. Precipitation none north central, northwest to 0.24 in. southeast. Temperatures 3° above normal northeast, east central to 5° above normal northwest, north central. Extremes 26° northeast, west central; 86° west central, south central.

Days suitable for fieldwork 6.8. Soil moisture declined, still above average. Topsoil 2% very short, 29% short, 63% adequate, 6% surplus. Subsoil 8% short, 86% adequate, 6% surplus. Small grain planting progressed rapidly, still behind last year and average. Hard red spring wheat 70% planted, 24% emerged and beyond; 83%, 44% 1993; 83%, 47% avg.; durum wheat 55% planted, 10% emerged and beyond; 67%, 23% 1993; 66%, 25% avg.; barley 77% planted, 27% emerged and beyond; 87%, 44% 1993; 84%, 48% avg.; oats 70% planted, 21% emerged and beyond; 82%, 42% 1993; 79%, 43% avg. Winter wheat 96% stooling or earlier, 4% jointing; 18% fair, 71% good, 11% excellent. Sugarbeets 25% planted, 98% 1993, 95% avg.; corn 40% planted, 40% 1993, 41% avg.; flax 18% planted, 35% 1993, 26% avg.; potatoes 46% planted, 42% 1993, 36% avg.; soybeans 18% planted, 31% 1993, 21% avg.; dry beans 7% planted, 13% 1993, 9% avg.; sunflower 8% planted, 8% 1993, 6% avg. Post-emerged herbicide application for broadleaf control 2% complete, wild oats 2%. Roughage requirements furnished by pastures 62%; pastures 92% of normal. Stockwater supplies 90% adequate, 10% surplus.

**OHIO:** Cold front passed through State 12th, another one pushed across the State 15th. Most places had rain, amounts were quite variable. Temperatures often on the cool side with scattered frost in some areas. Temperatures 1 to 4° cooler than normal. Highs mid 60s to nearly 75°. Lows mostly 40° to the mid 40s. Youngstown, in the northeast, reported the coldest temperature with a low of 29° on the 14th. Four-inch bare soil temperatures averaged in the 60s for maximums, 50s for minimums. Rainfall 0.75 in. or less in most places. A few had more. OSU-Columbus had 2.20 in.

Days suitable for fieldwork 4.6. Soil moisture 6% short, 80% adequate, 14% surplus. Many crops are ahead of their five year planting date averages, emergence is slow because of cool weather. Winter wheat mostly good to excellent. Corn planted 80%, 61% 1993, 62% avg. Soybeans planted 44%, 26% 1993, 27% avg. Pasture 1% very poor, 3% poor, 20% fair, 61% good, 15% very good. Hay mostly good. Apples mostly good. Peaches mostly poor.

**OKLAHOMA:** Temperatures 1° below normal southwest to 2° above normal northeast. Precipitation 0.08 in. northeast to 0.96 in. southwest.

Days suitable for fieldwork 4.0. Topsoil 64% adequate, 36% surplus. Subsoil 9% short, 91% adequate. Oats 57% headed, 32% 1993, 68% avg. Barley 37% headed, 34% 1993, 56% avg.; corn 17% fair, 83% good; 98% planted, 97% 1993, 91% avg.; 90% up to stand, 80% 1993, 64% avg. Soybeans 87% seedbed prepared, 50% 1993, 72% avg.; 36% planted, 19% 1993, 21% avg.; 11% up to stand, 6% 1993, 3% avg. Peanuts 78% seedbed prepared, 78% 1993, 74% avg.; 9% planted, 13% 1993, 18% avg.; 3% up to stand, 1% 1993, 3% avg. Pasture 94% of normal. Feeder, stocker prices were steady.

**OREGON:** Temperatures above normal. Eastern sections 5 to 12° above normal, coast 2 to 3°, western interior 5 to 7° above normal. Precipitation: mostly dry, exception north central 0.10 to 0.40 in.

Soil moisture 48% short, 52% adequate. Winter wheat 3% very poor, 11% poor, 39% fair, 36% good, 11% excellent; 23% headed. Barley 69% planted. Substantial rains in the Columbia Basin of Oregon received on 15th saved many acres of the wheat, barley crops. Eastern areas: first cutting of hay underway, mint greening, sugarbeets emerged, summer fallow operations continued, irrigation underway on many small grains. Western areas: Alfalfa, other hay were being baled, green-chopped, silage corn planting underway, grass seed development slightly ahead of normal. Willamette Valley: Blueberry bloom winding down, strawberry bloom past full, raspberries, Marionberries blooming, hazelnuts, walnuts good condition, leafroller problems in raspberries, apples, cherry, plum set lighter than hoped. Medford district applying codling moth sprays to pears. Milton-Freewater district maintained normal spray schedule on fruit crops. Stevens cranberries 10% bloom, McFarlin roughneck stage,

pollination underway; southern coast. Potato planting 30% complete, Klamath Basin. Columbia Basin of Oregon: Potatoes emerged, onions at first leaf, snap peas blooming. Willamette Valley vegetable planting continued. Livestock good to excellent. Range, pasture 83% of normal. Eastern ranges remained dry, western pastures near normal. Cattle turn out on early public lands continued, spring cattle work mostly complete. Cattle movement from California into Klamath Basin underway.

**PENNSYLVANIA:** Unseasonably cool on 13th, 14th. Some frost. Weekly temperatures above normal. Severe thunderstorms weekend. Temperature 56°, 2° above normal. Extremes 23°; 82°. Precipitation 0.25 in., 0.57 in. below normal.

Days suitable for fieldwork 5. Soil moisture 4% short, 83% adequate, 13% surplus. Plowing 80% complete, 66% 1993, 77% avg. Corn 40% planted, 37% 1993, 37% avg. Soybeans 10% planted, 6% 1993, 7% avg. Oats 88% planted, 78% 1993, 85% avg. Potatoes 59% planted, 46% 1993, 55% avg. Barley 50% boot, 52% 1993, 57% avg.; 22% heading or headed, 25% 1993, 32% avg. Wheat 30% boot, 34% 1993, 36% avg.; 2% heading or headed, 2% 1993, 5% avg.; 2% very poor, 2% poor, 24% fair, 55% good, 17% excellent. Oats 2% very poor, 1% poor, 28% fair, 51% good, 18% excellent. Hay stands mostly good. Feed from pastures good to excellent. Peaches 88% pink, 95% 1993, 91% avg.; 75% full bloom or past, 85% 1993, 82% avg. Cherries 93% pink, 97% 1993, 92% avg.; 75% full bloom or past, 90% 1993, 83% avg. Apples 90% pink, 90% 1993, 84% avg.; 78% full bloom or past, 74% 1993, 67% avg. Activities: Plowing; planting oats, corn, soybeans; spreading fertilizer; hauling manure; caring for livestock.

**PUERTO RICO:** Rainfall 1.38 in. was 0.13 in. below normal. Highest total rainfall 5.97 in. at Las Marias, 4.86 in. at Pico del Este, 4.50 in. at Guayama. Island temperatures 78 to 79° on the coasts, 73 to 76° interior with mean station temperature 64.3° at Pico del Este to 81.6° at San Juan WSFO. Extremes 54°; 93°.

**SOUTH CAROLINA:** Temperatures near normal statewide. Average rainfall 0.25 in.

Days suitable for fieldwork 6.3. Soil moisture 16% very short, 62% short, 22% adequate. Tobacco fair to good; corn fair to good. Cotton 89% planted, 77% 1993, 65% avg. Cantaloupes fair to good; 92% planted, 86% 1993, 84% avg. Watermelons fair to good; 94% planted, 88% 1993, 88% avg. Cucumbers fair to good; 90% planted, 88% 1993, 87% avg. Snap beans fair to good; 81% planted, 76% 1993, 72% avg. Tomatoes good. Oats fair to good; 95% headed, 92% 1993, 96% avg.; 74% turning color, 36% 1993, 47% avg. Rye fair to good; 68% turning color, 38% 1993, 50% avg. Wheat fair to good; 72% turning color, 15% 1993, 42% avg. Peanuts fair to good; 83% planted, 73% 1993, 68% avg. Pastures 3% poor, 33% fair, 64% good.

**SOUTH DAKOTA:** Temperatures 2 to 8° above normal. Extremes 27°; 79°. Widespread precipitation late, heaviest 1.97 in. southeast.

Days suitable for fieldwork 4.9. Topsoil 11% short, 64% adequate, 25% surplus. Subsoil moisture 3% short, 62% adequate, 33% surplus. Winter wheat 15% boot, 9% 1993, 20% avg. Winter rye 16% fair, 66% good, 18% excellent; 15% boot, 16% 1993, 19% avg. Small grain emergence progress behind average. Barley 92% planted, 80% 1993, 93% avg.; 73% emerged, 59% 1993, 78% avg. Oats 92% planted, 78% 1993, 93% avg.; 75% emerged, 62% 1993, 81% avg. Flax 28% planted, 26% 1993, 49% avg. Sunflower 4% planted, 2% 1993, 5% avg. Livestock 7% fair, 80% good, 13% excellent. Calving 91% complete, lambing 92%. Feed supply 1% short, 86% adequate, 13% surplus. Pastures 90% of normal, 52% cattle moved to pastures. Water supply 70% adequate, 30% surplus. Ranchers busy vaccinating, branding cattle, repairing fences.

**TENNESSEE:** High pressure dominated on the 9th through 11th causing dry, mild weather. Latter part of the week saw a gradual increase in showers, thunderstorms. Temperatures averaged about 5° below normal over the upper Cumberland Plateau, northeast to about 5° above normal in the extreme southwest.

Days suitable for fieldwork 4.9. Soil moisture 4% short, 88% adequate, 8% surplus. Corn 82% planted, 82% 1993, 73% avg. Cotton 71% planted, 47% 1993, 55% avg. Sorghum 24% planted, 20% 1993, 30% avg. Soybeans 6% planted, 4% 1993, 7% avg.

Tobacco 17% transplanted, 18% 1993, 19% avg. Wheat 99% headed, 90% 1993, 93% avg.; 1% poor, 28% fair, 63% good, 8% excellent. Alfalfa 35% first cut, 26% 1993, 32% avg.; 3% poor, 24% fair, 69% good, 4% excellent. Pastures, 1% poor, 12% fair, 76% good, 11% excellent. Cattle, 5% fair, 88% good, 7% excellent. Armyworms, cutworms have reached threshold levels in some west areas corn fields. Control measures have been successful. Cotton planting surged forward during last week's favorable weather. Transplanting of the 1994 tobacco crop made good progress last week as fields began to dry. Wheat is in good condition with some fields beginning to turn color. Single crop soybean planting has begun on schedule with a few fields in southern middle areas up to good stands. With a third of the alfalfa crop harvested, yields are reported to be above average with good quality.

**TEXAS:** A slowly progressing upper level low which developed over Arizona early in week moved through last week. Rainfall was heavy, at times severe thunderstorms developed. Damaging winds, hail, heavy rain, few tornados resulted from this persistent pattern. Heaviest rainfall amounts were experienced over Southern High and Low Plains. Tahoka, Abilene each received over 6.00 in. last week. Big Spring, Brownfield received over 5.00 in. Numerous locations statewide received over 2.00 inches through 15th. Rainfall was above normal. Departures above normal ranged from 0.29 in. Lower Valley to 1.90 in. in Low Rolling Plains. Individual station totals 6.67 in., 6.19 in., 5.80 in., 5.16 in. Abilene, Tahoka, Big Spring, Brownfield, respectively. Mean temperatures mostly above normal except in High, Low Rolling Plains, areas where normal temperatures dominated. Normal areas were Trans-Pecos, Lower Valley, Southern Texas. Above normal 1° north, south central, Edwards Plateau areas, to 3° East Texas. Below normal departures -2°, -5° High Plains, Low Rolling Plains, respectively.

**Crops:** Corn planting in Plains continued as conditions allowed, most activity halted due to storms early in week. Some fields washed out by heavy rains, while others received hail damage, will likely need to be replanted. Signs of water-logged soils began to appear in some fields in Blacklands, with some rootworm damage becoming evident in South Central Texas. Corn condition 84% normal, 81% 1993. Cotton warm, cloudy conditions in Rio Grande Valley slowed cotton growth, most continued to square, some began to set bolls. Wet, cool weather continued to delay planting in Plains, Edwards Plateau, however dry land fields will likely benefit once planted. Some irrigated fields in High Plains showed signs of stress due to cool temperatures, while some fields in Blacklands showed evidence of seedling disease. Spraying for boll weevil control continued in some areas of Coastal Bend. Peanut producers continued to prepare land where conditions allowed. Some fields were planted in Low Plains, with most areas delayed due to wet conditions. Peanuts 10% planted, 26% 1993. Rice fields continued to emerge in Upper Coast, East Texas. Sorghum heavy rains in Plains, Blacklands caused some damage to existing fields, may cause some replanting to occur in Plains. Some fields showed signs of excessive moisture, while other fields progressed rapidly. Statewide condition 85% normal, 79% 1993. Soybeans some early planted fields in Upper Coast began setting pods, while some fields in Blacklands bloomed. Planting in several areas of Blacklands, on Plains continued to be delayed due to wet fields, 31% planted, 47% 1993. Small grains wheat was dealt another blow in Plains, as scattered hail damaged some fields. Also in Blacklands high winds, hail caused some lodging. Some wheat fields were harvested in Blacklands, most harvest activities were slowed due to damp weather. Wheat 51% normal, 75% 1993. Oats 6% harvested, 3% 1993. Sunflowers 17% planted, 39% 1993. Sugarbeets 100% planted, 99% 1993.

**Commercial Vegetables:** Rio Grande Valley melon, honey dew harvest continued in full swing. Citrus fruit set sizing nicely. Irrigation, insect control underway on citrus. Onion harvest nearly completed. San Antonio-Winter Gardens- some cabbage, onions were harvested before rains caused delays. Cultivation of cantaloupe, watermelon continued. Trans Pecos onion harvest was active. Irrigation of onions, cantaloupes continued. East Texas strawberry, spring potato harvest continued. Some areas reported light hail damage, while others reported some disease pressure. Planting of sweet potatoes, melons continued. High Plains wet conditions delayed onion progress. Peaches early variety harvest continued. Some insect damage from plum curculio occurred in Cross Timbers, East Texas. Spraying for brown rot continued in Edwards Plateau.

Pecans scouting for casebearer occurred in Cross Timbers, Edwards Plateau, while spraying was common across other areas. Nuts were beginning to set.

**Range and Livestock:** Additional rains continued to improve range, pasture conditions throughout. Areas in Trans-Pecos still need moisture to improve range, pasture conditions. Fertilizing of pastures, hay baling prevailed as conditions allowed. Tank leaches reached near capacity in several areas. Hornflies continued to infest livestock in Blacklands, Edwards Plateau. Supplemental feeding declined in most areas except Trans-Pecos.

**UTAH:** Temperature maxima 5° above normal, minima 4° above normal. Precipitation was light to moderate across the entire State except for Dixie division which received little to no precipitation.

Days suitable for fieldwork 6.1. Soil moisture 25% short, 67% adequate, 8% surplus. Alfalfa hay height 12.2 in., 11.6 in. 1993, 13.9 in. avg. Winter wheat 89% good, 11% fair. Fall barley 88% good, 12% fair. Spring wheat emerged 96%, 77% 1993; jointed 15%, 8% 1993, 28% avg. Barley emerged 91%, 78% 1993, 91% avg.; jointed 15%, 11% 1993, 23% avg. Oats planted 87%, 80% 1993; emerged 67%, 44% 1993, 70% avg. Winter wheat jointed 29%, 50% 1993, 56% avg. Corn planted 74%, 55% 1993, 64% avg.; emerged 29%, 6% 1993, 26% avg. Alfalfa hay 1st cutting 2% completed. Potatoes planted 41%. Dry beans planted 1%. Cattle moved to summer range 25%, 25% 1993. Sheep moved to summer range 21%, 15% 1993, 19% avg. Pasture, range conditions good to excellent. Major farm activities: Planting corn, harvesting alfalfa, cultivating, weed spraying, irrigating, moving cattle, sheep.

**VIRGINIA:** Temperatures near or a little below normal. Extremes 30°; 84°. Precipitation well below normal.

Days suitable for fieldwork 5.1. Topsoil moisture 13% short, 81% adequate, 6% surplus. Barley 8% poor, 39% fair, 53% good. Wheat 2% poor, 49% fair, 49% good. Pasture feed 18% fair, 68% good, 14% excellent. Alfalfa hay 8% fair, 72% good, 20% excellent. Other hay 2% poor, 36% fair, 59% good, 3% excellent. Peaches 35% very poor, 7% poor, 35% fair, 12% good, 11% excellent. Apples 21% fair, 60% good, 19% excellent. Tobacco plant bed 25% fair, 56% good, 19% excellent. Tobacco greenhouse 10% fair, 62% good, 28% excellent. Potatoes 60% fair, 40% good. Corn 73% planted, 71% 1993, 73% avg.; 35% fair, 65% good. Peanuts planted 75%, 80% 1993, 90% avg. Soybeans planted 13%, 13% 1993, 14% avg. Cotton planted 98%, 91% 1993, 83% avg. Flue tobacco transplanted 56%, 53% 1993, 63% avg. Fire tobacco transplanted 15%, 10% 1993, 36% avg. Sun tobacco transplanted 20%, 15% 1993, 55% avg. Managing tobacco plantbeds, clipping tobacco greenhouses, thinning, spraying fruit, strawberry picking, some spraying for alfalfa weevils, harvesting rye, some barley for hay, haylage, scouting, spraying for cereal leaf beetles, first cutting of hay underway. First cuttings of hay reported light.

**WASHINGTON:** Temperatures 5 to 10° above normal west; 8 to 16° above east. Rainfall none to 0.48 in. west; none to 0.06 in. east.

Days suitable for fieldwork 6.9. Soil moisture 60% short, 40% adequate. Hay, other roughage supplies 30% short, 60% adequate, 10% surplus. Range, pasture 9% very poor, 15% poor, 45% fair, 30% good, 1% excellent. Winter wheat dryland 12% very poor, 11% poor, 44% fair, 23% good, 10% excellent; irrigated 90% good, 10% excellent. Spring wheat dryland 20% poor, 50% fair, 30% good; irrigated 2% fair, 90% good, 8% excellent. Barley dryland 30% poor, 45% fair, 23% good, 2% excellent; irrigated 1% fair, 98% good, 1% excellent. Winter wheat 16% headed, 0% 1993, 7% avg. Spring wheat 100% planted, 93% 1993, 98% avg.; 99% emerged, 65% 1993, 89% avg. Barley 100% planted, 80% 1993, 95% avg.; 97% emerged, 38% 1993, 81% avg. Potatoes 100%

planted, 93% 1993, 95% avg.; 49% emerged, 55% 1993, 62% avg. Dry beans 10% planted, 0% 1993, 21% avg. Dry peas 100% planted, 70% 1993, 93% avg. Corn 80% planted, 76% 1993, 66% avg. Chemical thinning continued in orchards. Cherry set moderate. Apple set very good in Chelan County. Some fireblight in Yakima Valley on apples, pears. Strawberries in full bloom in Skagit County. Sweet corn planting in some central counties complete or nearly so; just underway in Grant County. Greenchop, silage harvests in full swing on western dairies. Haying at various stages across the State.

**WEST VIRGINIA:** Temperature 57°. Extremes 30°; 85°. Precipitation 0.53 in.

Days suitable for fieldwork 3.6. Soil moisture 90% adequate, 10% surplus. Barley good. Wheat good; jointed 85%; headed 27%. Hay 40% fair, 56% good, 4% excellent. Apples 50% poor, 50% fair. Peaches 100% very poor. Soil prepared 69%, 73% 1993. Corn planted 52%, 30% 1993, 38% avg.; emerged 30%, 15% 1993, 18% avg. Oats planted 90%, 90% 1993, 83% avg.; emerged 54%, 77% 1993, 63% avg. Tobacco beds emerged 100%, 100% 1993, 89% avg. Gardens planted 54%, 56% 1993, 42% avg.; emerged 39%, 35% 1993, 30% avg. Soybeans planted 11%, 15% 1993; emerged 0%, 5% 1993. Pasture feed 14% fair, 84% good, 2% excellent; 93% of normal. Cattle 12% fair, 85% good, 3% excellent. Sheep 98% good, 2% excellent. Hay feed supplies; 22% very short, 52% short, 26% adequate. Other feed supplies; 4% very short, 22% short, 74% adequate. Activities: Fertilizing, plowing, planting, mending fences.

**WISCONSIN:** Temperature 57°, 2° above normal. Extremes 25°; 84°. Precipitation 0.40 to 0.80 in.

Days suitable for fieldwork 5.1. Soil moisture 9% short, 88% adequate, 3% surplus. Pasture 79% normal, 83% 1993, 78% avg. General condition of crops: 1% poor, 19% fair, 73% good, 7% excellent. Corn planted 65%, 19% 1993, 46% avg. Oats planted 87%, 46% 1993, 79% avg. Oats 1% poor, 15% fair, 75% good, 9% excellent. Soybeans planted 28%, 3% 1993, 12% avg. Winter wheat 2% fair, 64% good, 34% excellent. Northern areas showed the most improvement in planting progress because of dry weather, favorable soil conditions. Reporters indicated heavy planting activity last week, particularly in the north. In spite of planting progress, reporters said corn was slow emerging due to either crusty topsoil, lack of rain, or a lack of heat. Early planted oats in the southern districts has emerged and was looking good. Alfalfa was slow growing because of cool nights, was still in good shape. Fruit trees in some areas of the south were in full bloom. Potato planting was nearing completion.

**WYOMING:** Temperatures were normal to above normal. Thermopolis was the hot spot averaging 11° above normal while Chugwater was 3° above normal. Precipitation was well below normal in the western half of the State, while the eastern was above normal. Cheyenne received the largest amount of precipitation with 0.81 in.

Days suitable for fieldwork 5.8. Topsoil 23% short, 71% adequate, 6% surplus. Spring wheat 28% planted, 48% 1993, 33% avg.; 58% emerged, 31% 1993, 51% avg. Oats 28% planted, 47% 1993, 35% avg.; 58% emerged, 28% 1993, 44% avg. Barley 14% planted, 17% 1993, 19% avg.; 78% emerged, 63% 1993, 69% avg. Sugarbeets 37% planted, 58% 1993, 52% avg.; 62% emerged, 40% 1993, 46% avg. Corn 46% planted, 53% 1993, 45% avg.; 29% emerged, 2% 1993, 10% avg. Potatoes 56% planted, 80% 1993, 38% avg.; 7% emerged, 2% 1993, 19% avg. Winter wheat 82% emerged/not jointed; 18% jointed/not in boot; 73% fair, 27% good. Barley 9% fair, 89% good, 2% excellent. Alfalfa prospects 21% fair, 79% good. Range flock ewes lambing 60%, 68% 1993, 84% avg.; shorn 92%, 90% 1993, 93% avg. Cattle, calves moved to summer ranges 30%. Sheep, lambs moved to summer ranges 27%. Current rate of growth of hay, range grasses 28% slow, 71% adequate, 1% above average.

(Continued from front cover)

doubled in Abilene. As rains spread eastward toward week's end, flooding developed on several Texas rivers, especially southwest of San Antonio, including the Guadalupe and the Lavaca. Rainfall included 2.78 inches in Victoria and 2.41 inches in San Antonio. Elsewhere, warm, dry weather encompassed the Northwest and the northern Plains, while cool conditions covered the Northeast. Periods of cold rain plagued New England. Caribou, ME registered a trace of snow on Friday, May 13. Frost formed as far south as the northern Ohio Valley and the northern Middle Atlantic

States late in the week. On Saturday, Youngstown, OH recorded 29°F and Atlantic City, NJ notched 32°F. But farther west, early- to midweek temperatures soared to daily record levels. Salem, OR measured 87°F on Tuesday. Temperatures soared to 90°F or above in parts of eastern Washington. A day earlier, Missoula, MT registered 85°F. The late-week cold frontal passage returned temperatures to seasonable levels in the Northwestern States and drew moisture northward between the Rockies and the Appalachians. Although rainfall was scattered and generally light, totals topped 1 inch at a few locations, including Huron, SD, Columbia, MO, and Quincy, IL.

# International Weather and Crop Summary

## HIGHLIGHTS

May 8 - 14, 1994

**FSU-WESTERN:** Drier weather over northern Russia followed last week's wet weather, favoring spring grain planting.

**EUROPE:** Widespread rain in western and southeastern Europe helped summer crops.

**SOUTH ASIA:** Showers benefited rice in eastern India and Bangladesh.

**EASTERN ASIA:** Adequate topsoil moisture promoted summer crop planting across Manchuria and the North China Plain.

**SOUTHEAST ASIA:** Widespread showers favored rice and corn across Thailand.

**AUSTRALIA:** Rain was needed to boost topsoil moisture for wheat planting across most areas.

**SOUTH AMERICA:** Showers slowed late summer crop harvesting in Brazil, but increased topsoil moisture for wheat planting.

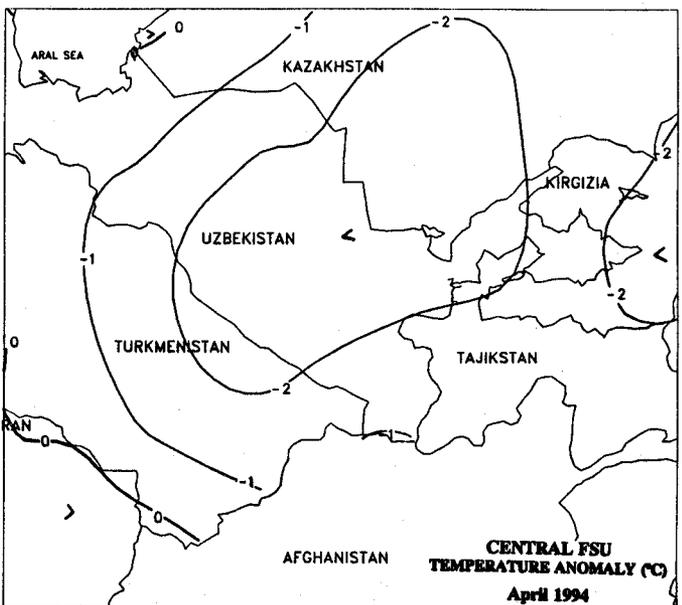
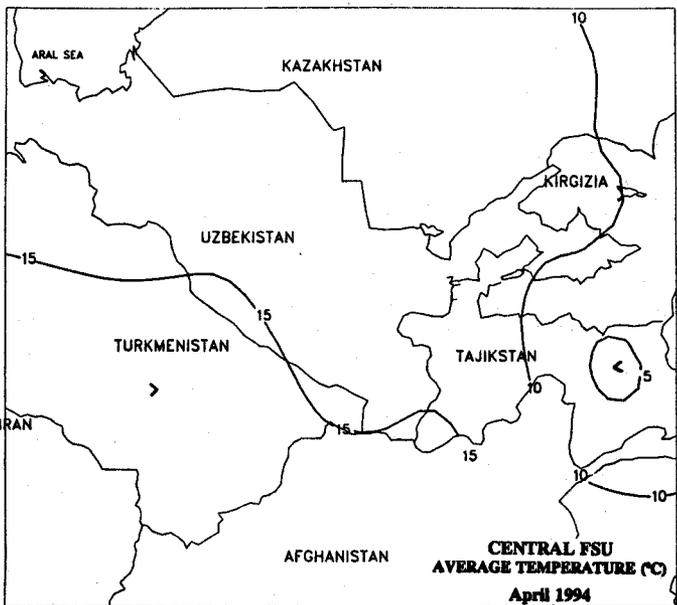
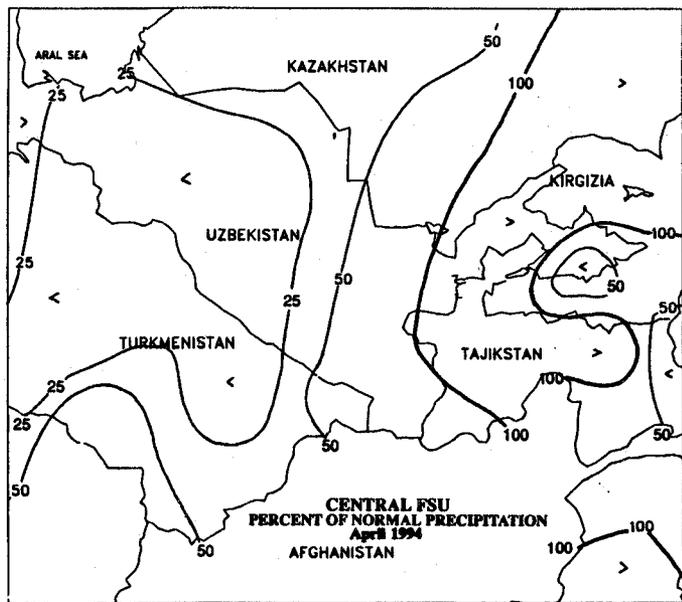
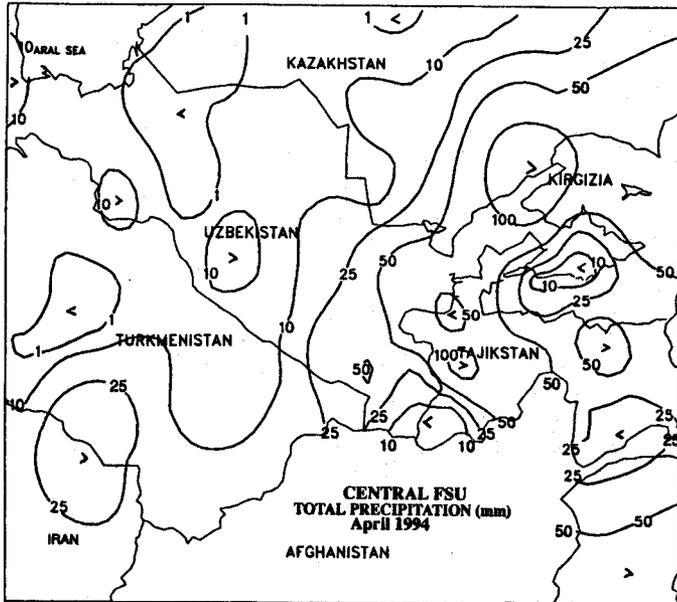
**NORTHWESTERN AFRICA:** Several days of dry weather favored winter grain harvesting.

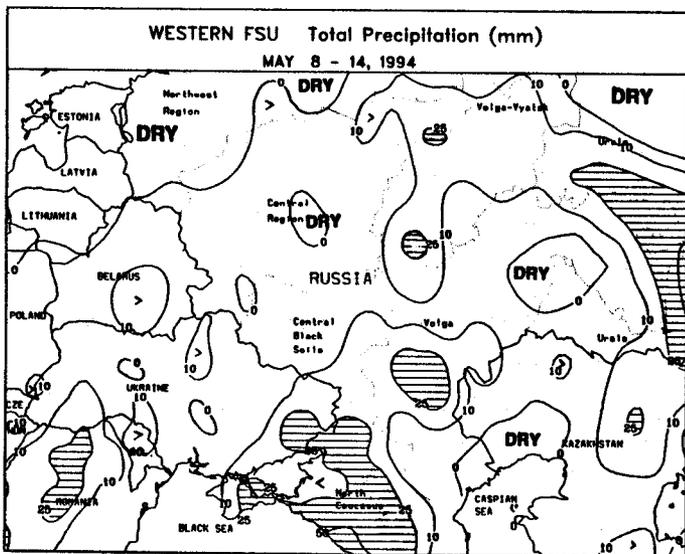
**SOUTH AFRICA:** Dry weather across the region allowed corn harvesting.

**MEXICO:** Seasonal showers benefited crops across southern Mexico.

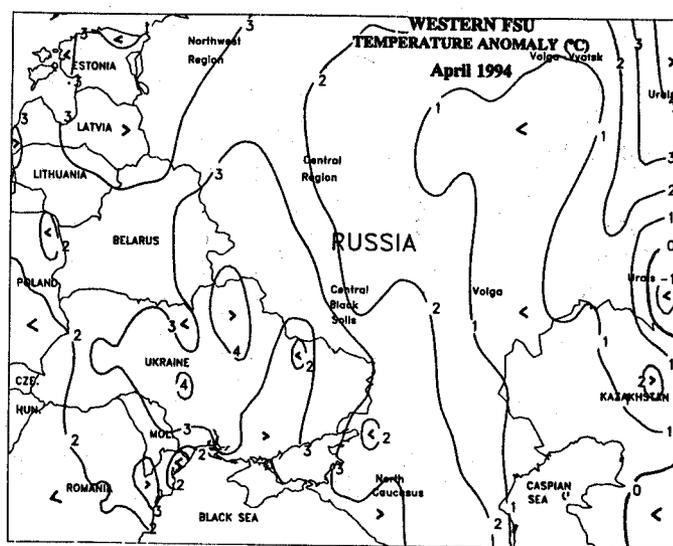
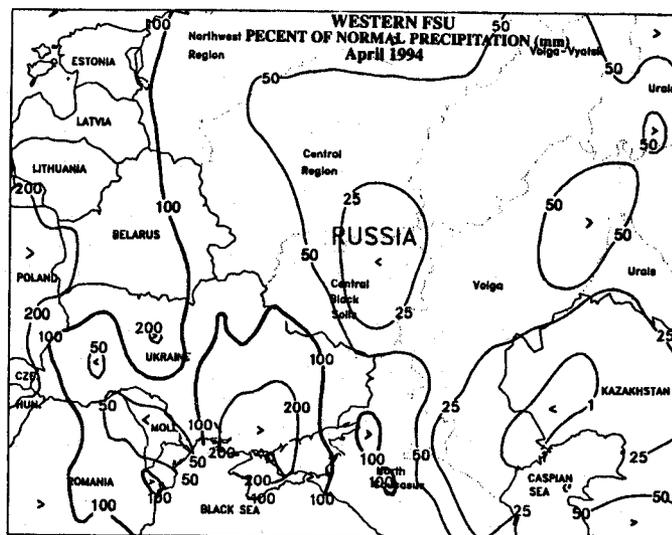
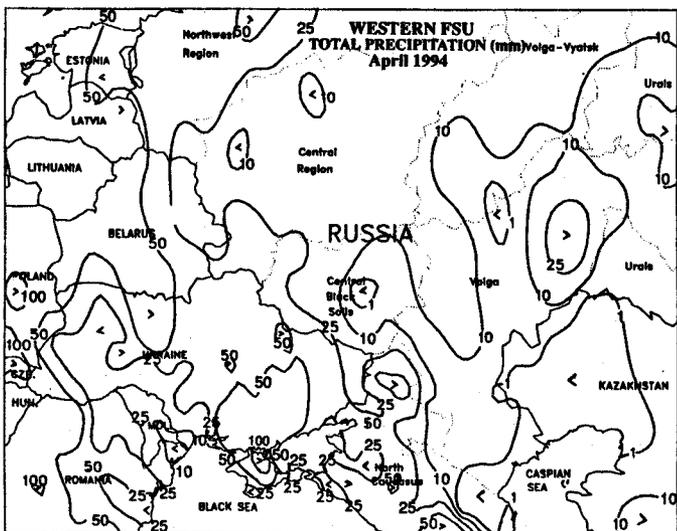
**CANADA:** Rain was needed to increase moisture for planting across southern Canada.

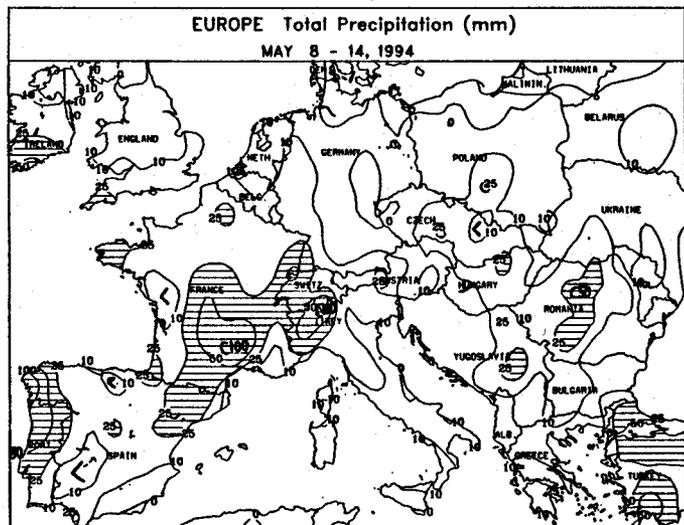
**FSU-NEW LANDS:** Significant precipitation slowed early spring grain planting but provided abundant topsoil moisture.



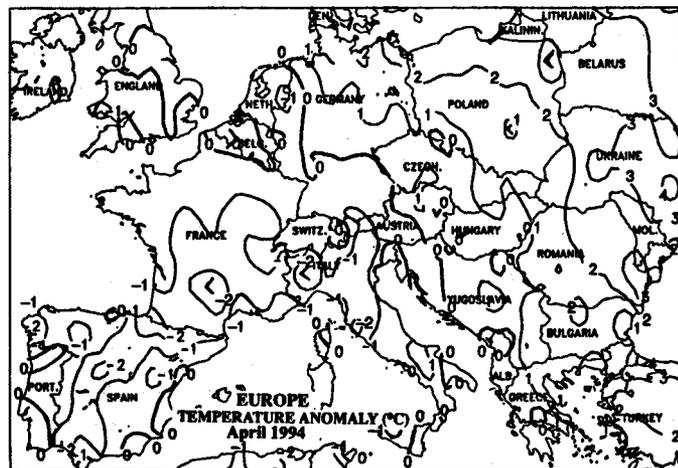
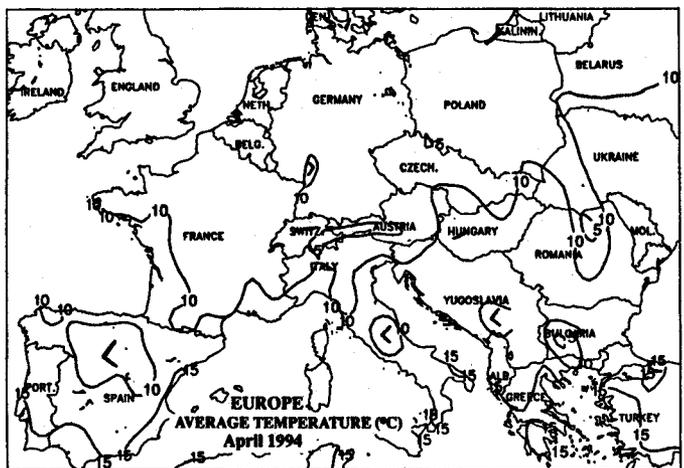
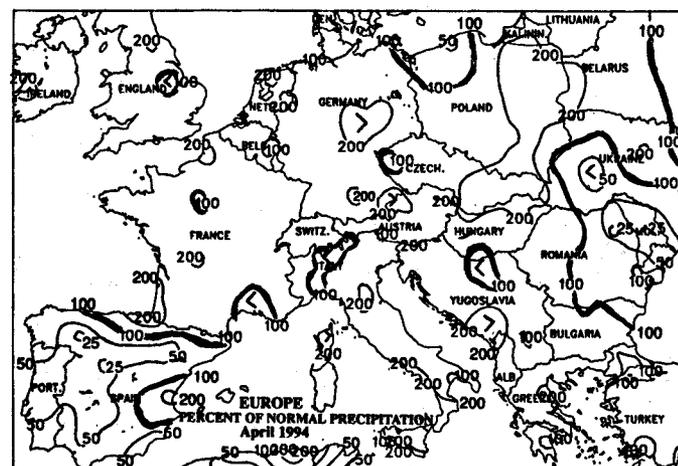
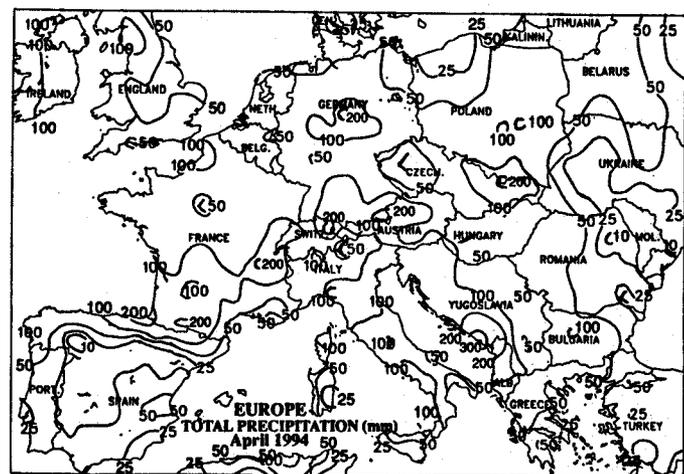


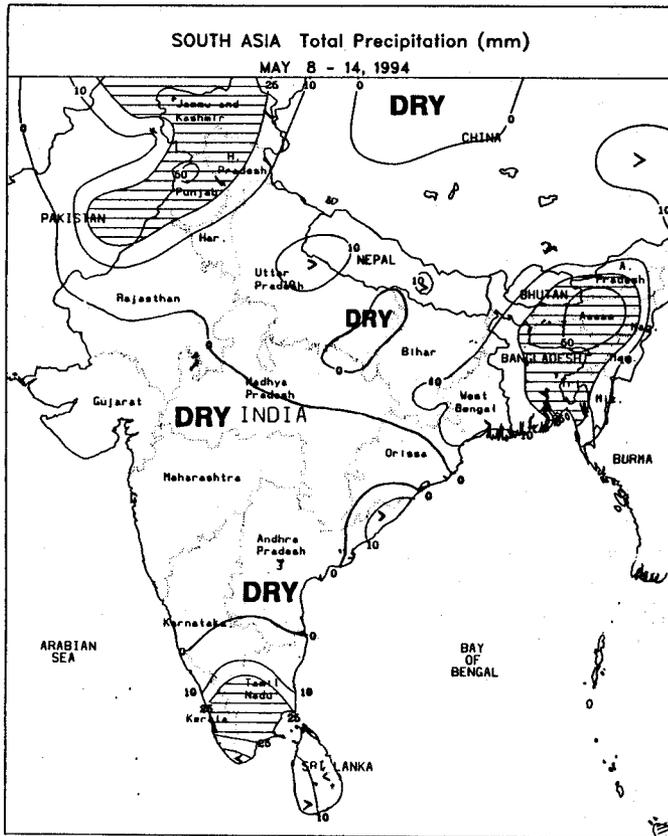
**FSU-WESTERN:** Drier weather (precipitation less than 10 mm) followed last week's wet weather over southern Russia (Central Region, Central Black Soils Region, Volga Vyatsk, and upper Volga), improving conditions for spring grain planting. Wet weather (12-40 mm) over North Caucasus, Russia benefited spring crop establishment and winter grains nearing the heading stage. Although light showers (2-15 mm) eased persistent dryness over Moldova and southwestern Ukraine, more rain is needed to alleviate the severe moisture deficit. Weekly average temperatures were 2-4 degrees Celsius (C) below normal over Russia and eastern Ukraine, slowing spring crop emergence and early growth. In April, most of Russia and Ukraine received below-normal precipitation, which allowed rapid spring planting. In the Baltic States and Belarus, wet weather in early April was followed by drier weather which favored spring grain planting. Above-normal temperatures in April melted snow in northern Russia and promoted greening and early growth of winter grains in central and southern Russia, Ukraine, Moldova, Belarus, and the Baltic States. By the end of April, winter grains had broken dormancy in northern growing areas and were jointing in Ukraine and southern Russia.



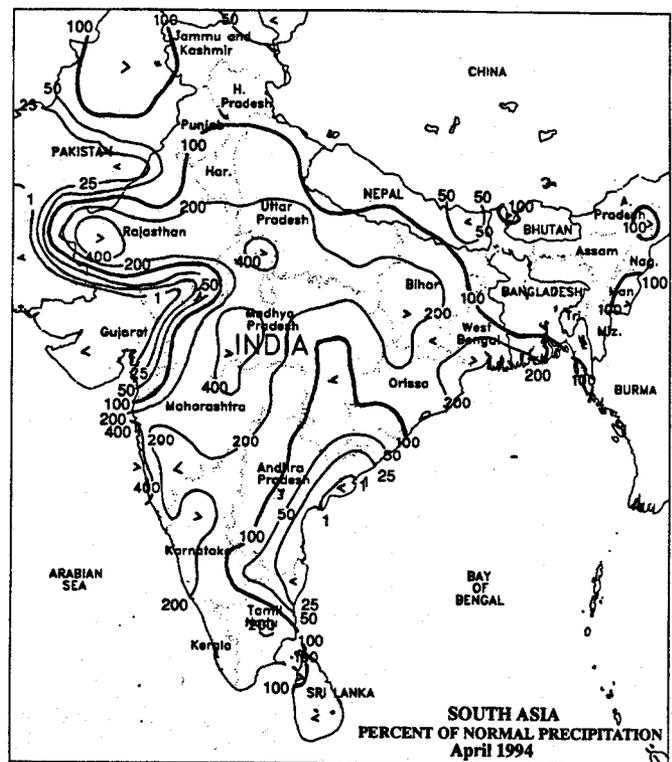
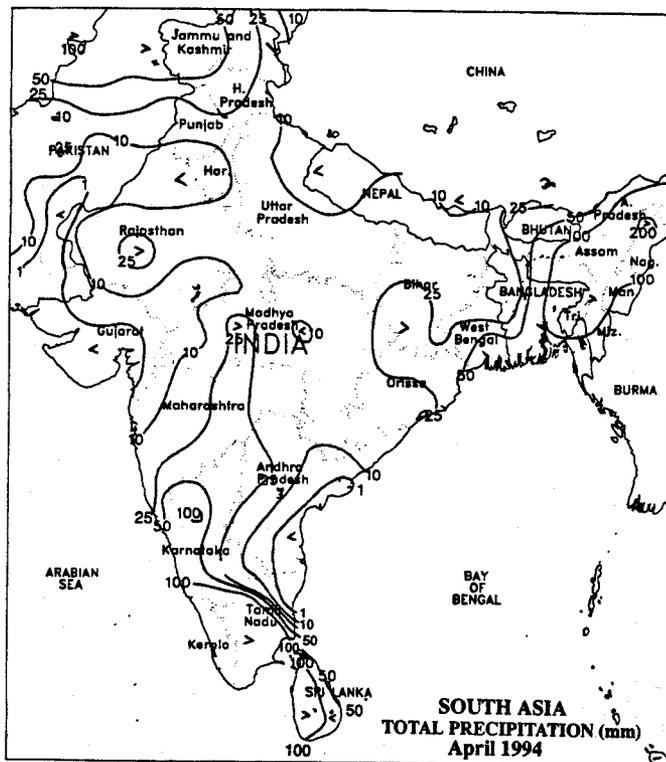


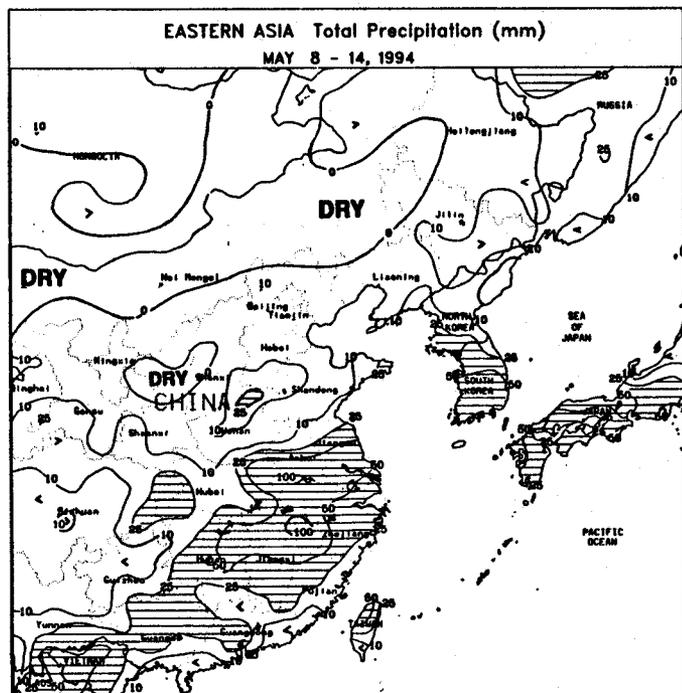
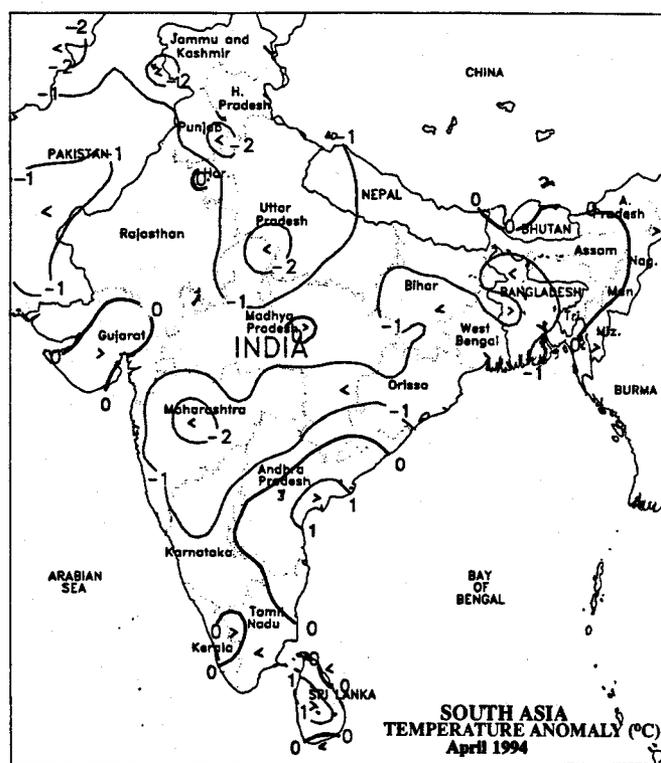
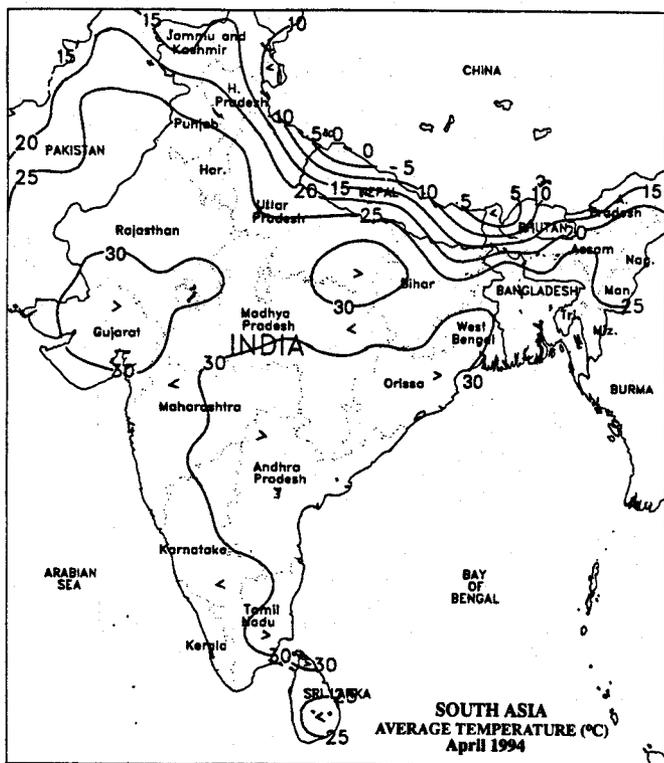
**EUROPE:** Widespread showers (10-25 mm) covered western and southeastern Europe, providing beneficial topsoil moisture for spring-sown crop establishment. Heavier rain (25-100 mm) soaked most of southern France, continuing April's above-average rainfall pattern, and scattered portions of the Iberian Peninsula that have suffered from below-normal winter and April rainfall. While winter crops are maturing in Spain, the recent moisture will provide some benefit to irrigation supplies across the northern half of Spain. Beneficial rain (10-59 mm) fell over western portions of Romania and Bulgaria the past week, but southeastern crop areas of Romania received 7 mm or less extending April's below-normal rainfall. Mostly dry weather (5 mm or less) also prevailed over Poland and eastern Germany, where winter grains are nearing the heading stage and spring-sown crops are emerging. Topsoils are becoming dry in northeastern Germany and northwestern Poland following only light showers during the past 4 weeks. The weather favored rapid fieldwork across northern Europe. Dry weather the past week also occurred in Scandinavian crop areas, where April's near- to above-average rainfall provided favorable topsoil moisture for spring planting.



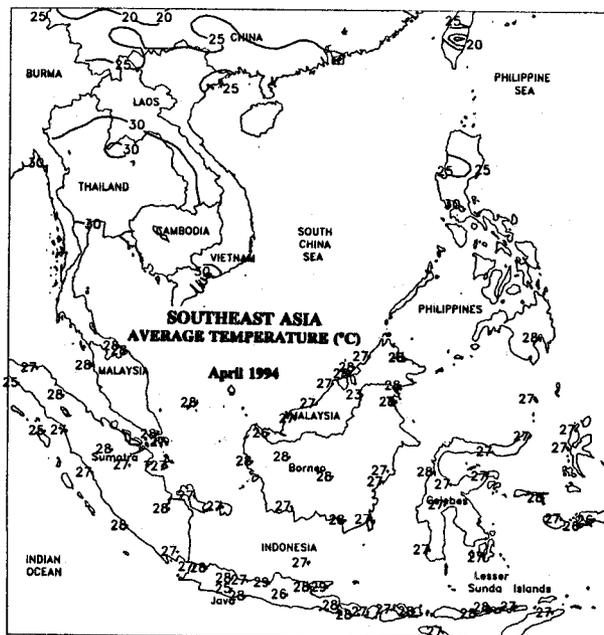
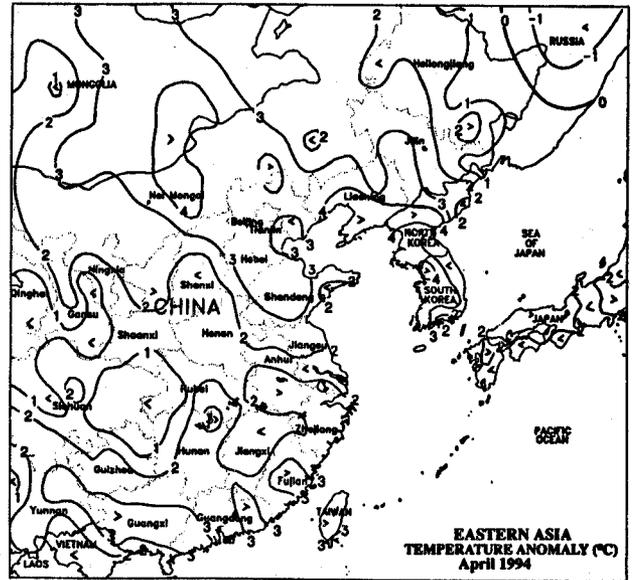
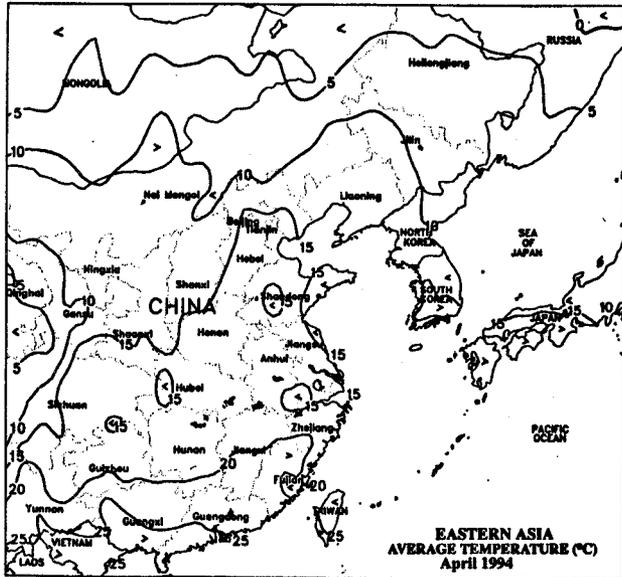
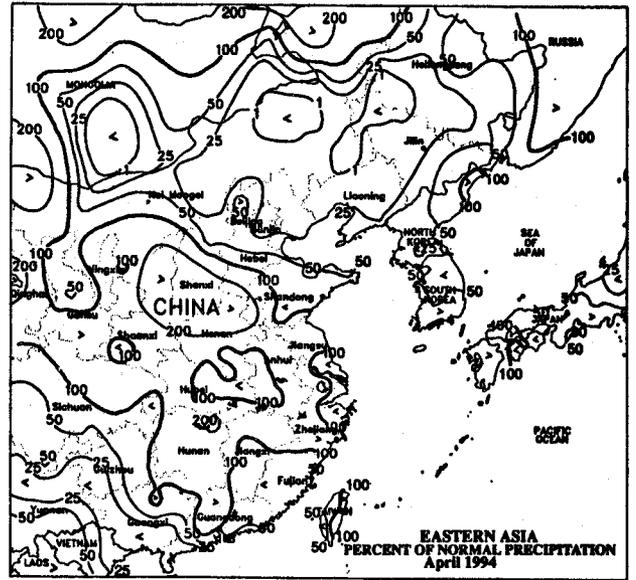
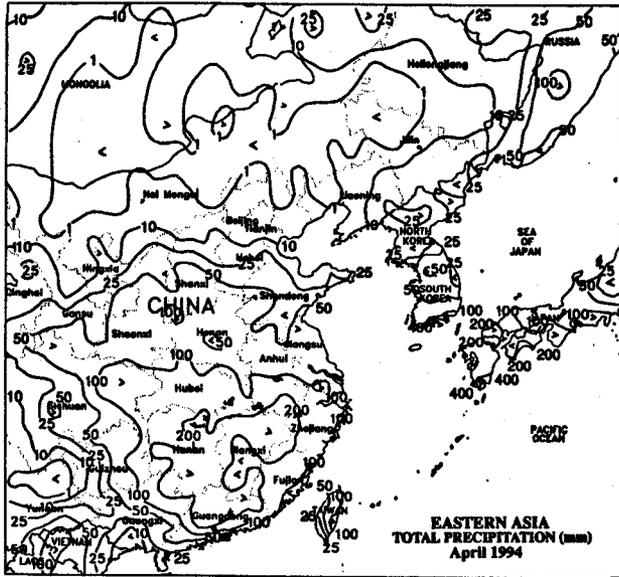


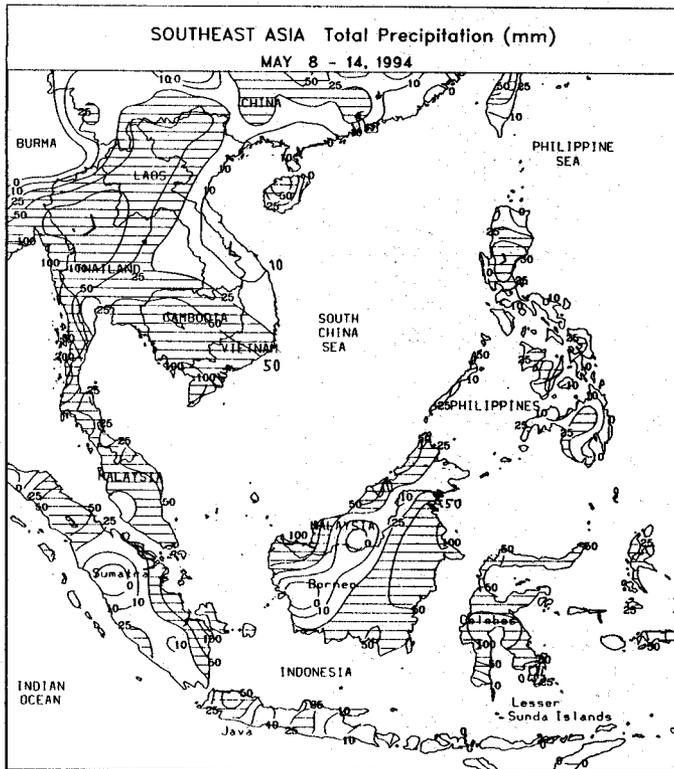
**SOUTH ASIA:** Light to moderate showers (15-50 mm or more) were scattered throughout primary rice areas of eastern India and Bangladesh, boosting moisture reservoirs for planting. Elsewhere, moderate showers fell in the northwest from central Pakistan to Punjab state, India, and a small section of southernmost India. The southwest monsoon usually arrives over southern India in early June, spurring grains, oilseed, and cotton planting throughout the region as it progresses northward. In April, periodic showers in eastern, southern, and far northern crop areas increased irrigation levels for main-season cotton, grain, and oilseed plantings. However, heavy rain in eastern India and Bangladesh caused additional flooding and hampered boro rice harvests. Despite averaging near- to above-normal, rainfall was mostly scattered and light over primary winter wheat and oilseed areas of Pakistan and central and northern India. Harvests were underway in most areas by month's end. April temperatures averaged slightly below normal across the region.



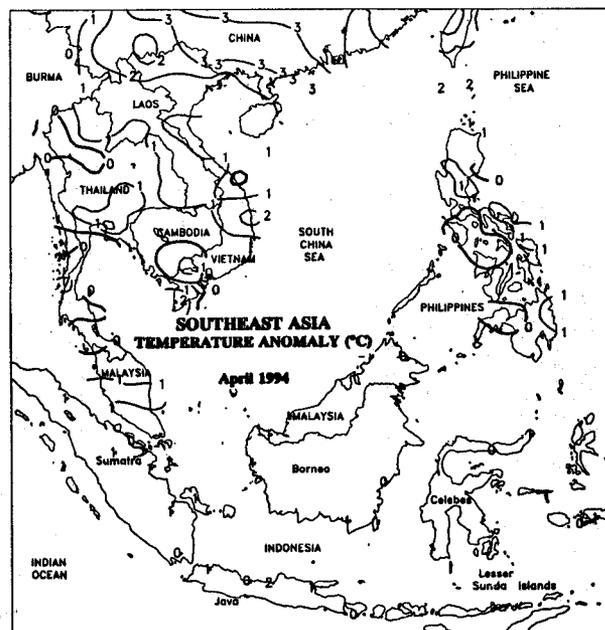
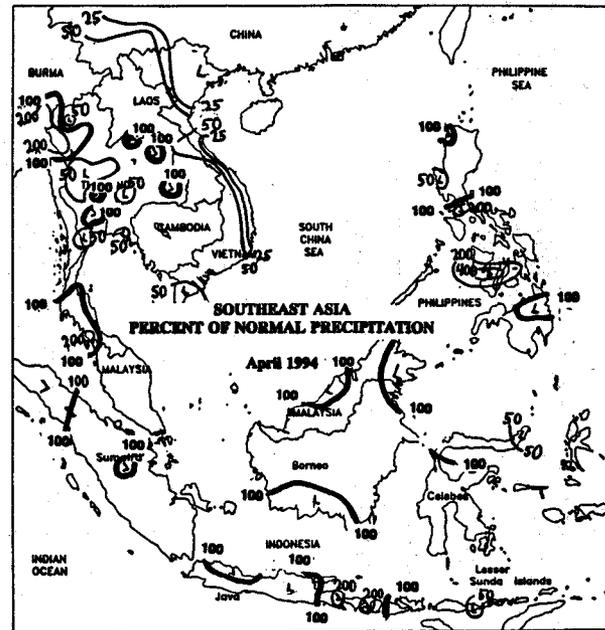
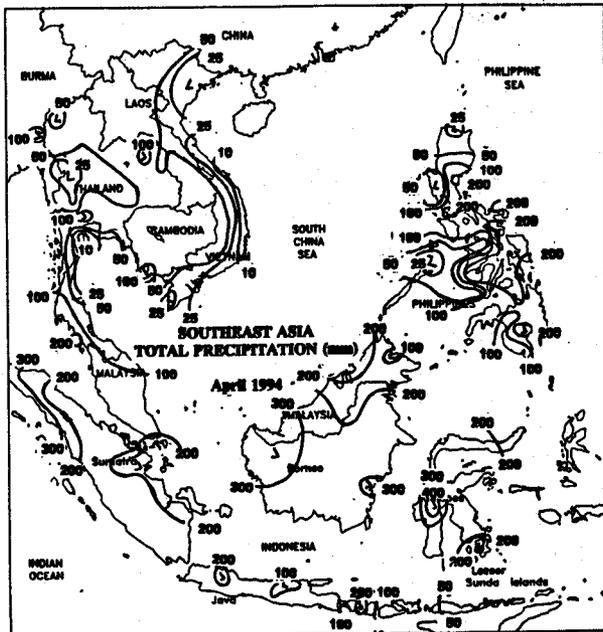


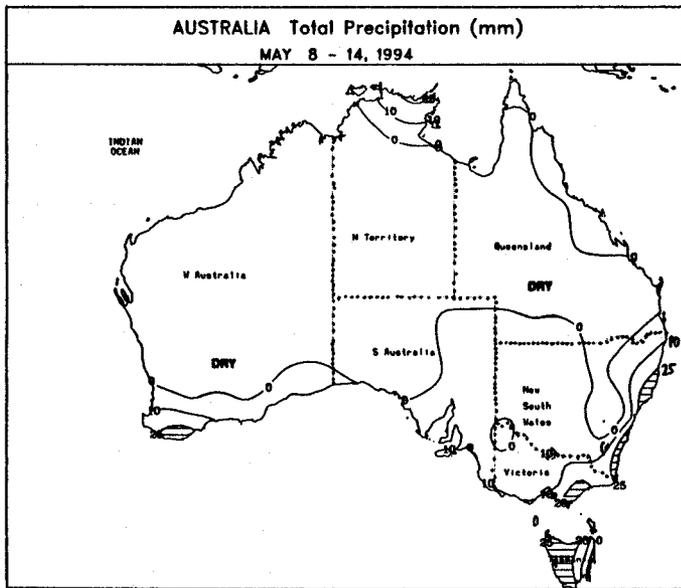
**EASTERN ASIA:** Scattered light to moderate rain (5-30 mm) prevailed across the North China Plain, boosting topsoil moisture for summer crop planting and aiding late rainfed winter wheat. Heavier showers (50-100 mm) occurred across the southern portion of the North China Plain (Anhui and Jiangsu), possibly damaging mature winter wheat. Light rain (3-10 mm) fell across Manchuria, keeping topsoils moist for summer crop planting. However, more rain is still needed in western Heilongjiang. Widespread light to moderate showers (10-60 mm) covered southern China, boosting rice irrigation supplies. Moderate to heavy showers (25-75 mm) fell across South Korea and southern Japan. Weekly temperatures averaged 2-4 degrees above normal across most of eastern China, South Korea, and Japan. During April, rainfall averaged near to above normal across the North China Plain and the Yangtze Valley. Portions of the prime wheat areas (western Shandong, northern Henan, and Shanxi) received over 200 percent of normal April rainfall, greatly benefiting crop development. Southwestern China and portions of the southern coast reported below-normal rainfall. In Manchuria, April rainfall averaged less than 25 percent of normal. However, early May rains have reversed the drying trend. April temperatures averaged 1-3 degrees C above normal across eastern China, 2-4 degrees C above normal in South Korea, and 1-2 degrees C above normal across Japan.



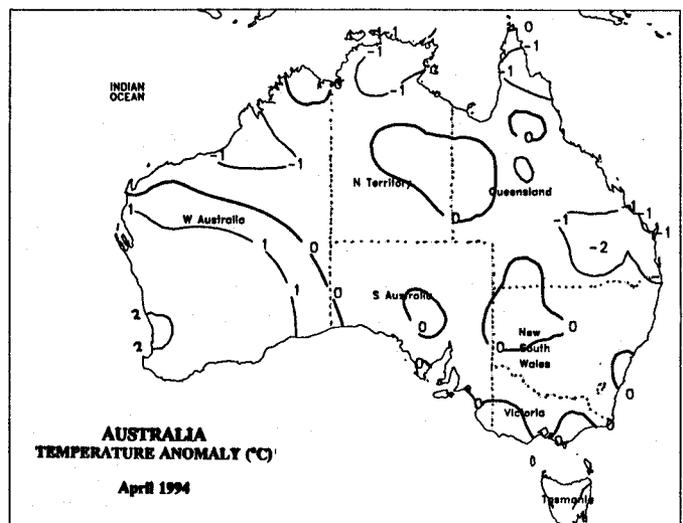
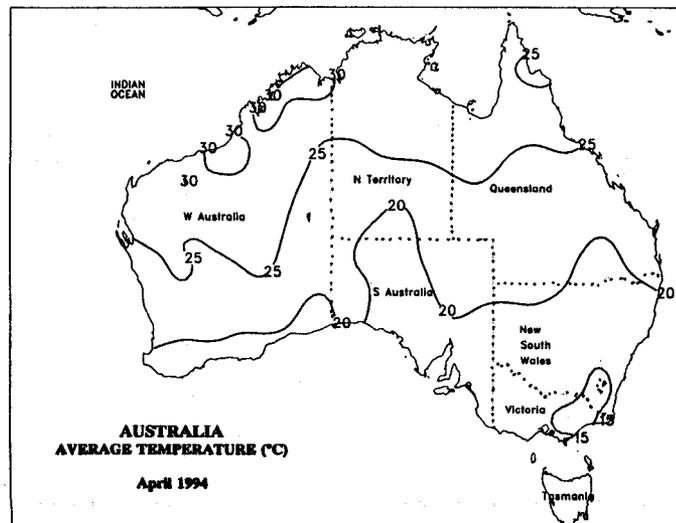
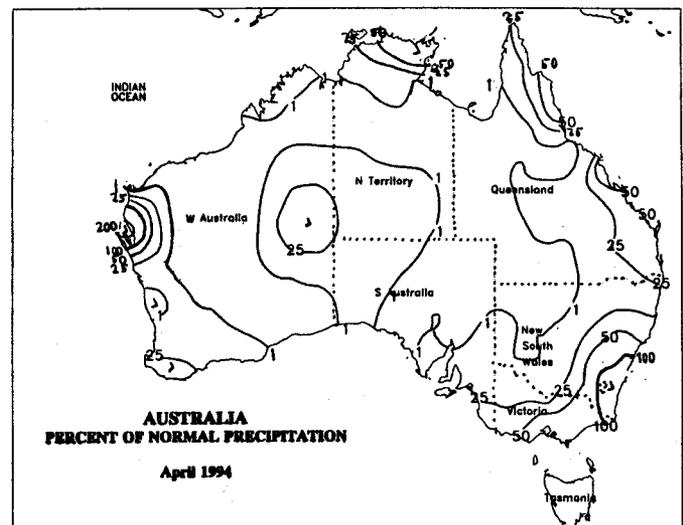
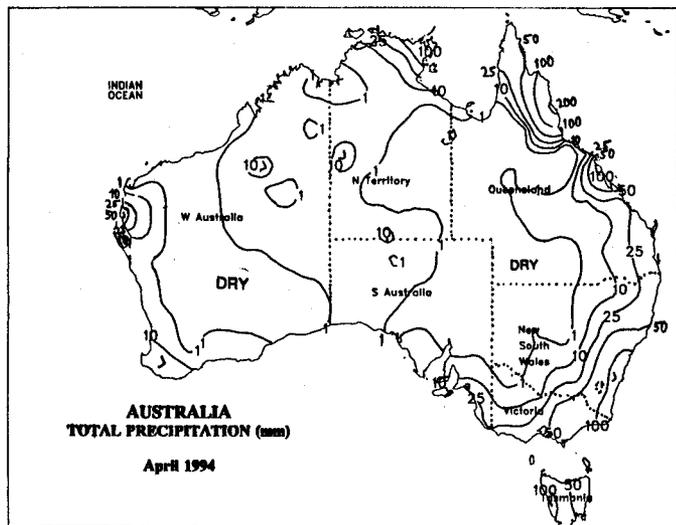


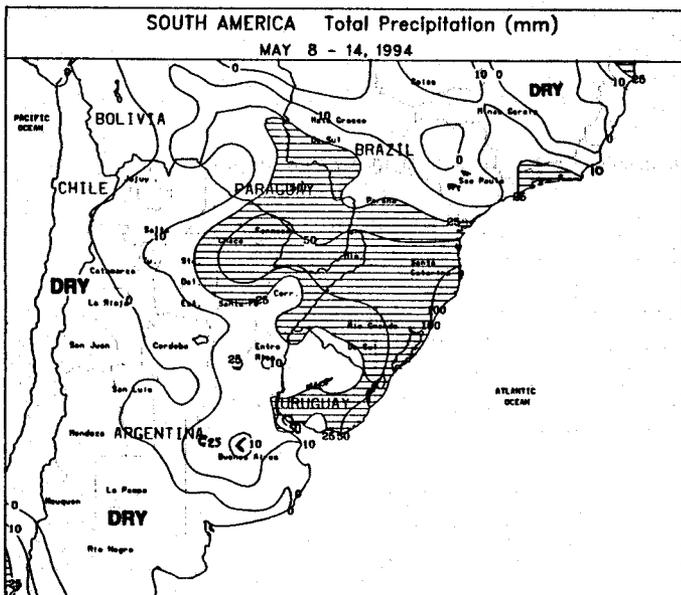
**SOUTHEAST ASIA:** Widespread heavy rain (50-100 mm or more) fell throughout primary rice areas of northern and central Thailand. The rain was especially beneficial for corn planting following April's drying trend. More moderate rain (15-35 mm) fell in Thailand's eastern rice areas, as well as rice areas of northern and central Vietnam. Heavy rain (30-126 mm) covered the Mekong Delta. Main-season rice planting is underway throughout Indochina as the monsoon becomes established. Further south, moderate to heavy rain (25-100 mm) covered peninsular Thailand and much of Malaysia, but seasonably drier weather developed over Indonesia, despite lingering rain over Java's southern coast. In April, rainfall totaled 50-100 mm in Thailand's primary rainfed rice areas, as well as heavily irrigated areas near Bangkok. In contrast, hot, dry weather reduced available germination moisture in central Thailand's corn belt. Dry, warmer-than-normal weather in Vietnam favored mature rice. Further south, frequent shower activity resulted in near- to above-normal rainfall over Malaysia and Indonesia, with excessive rains causing additional flooding in Java. Above-normal rainfall across the Philippines aided main-season rice and corn planting.



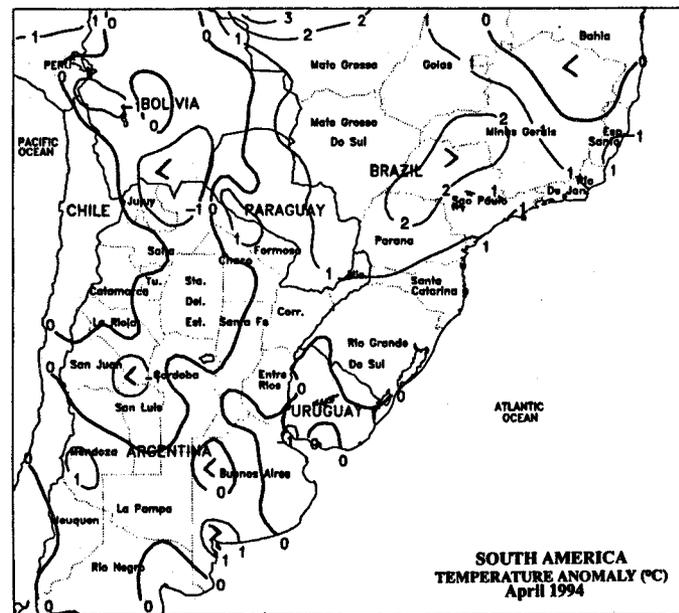
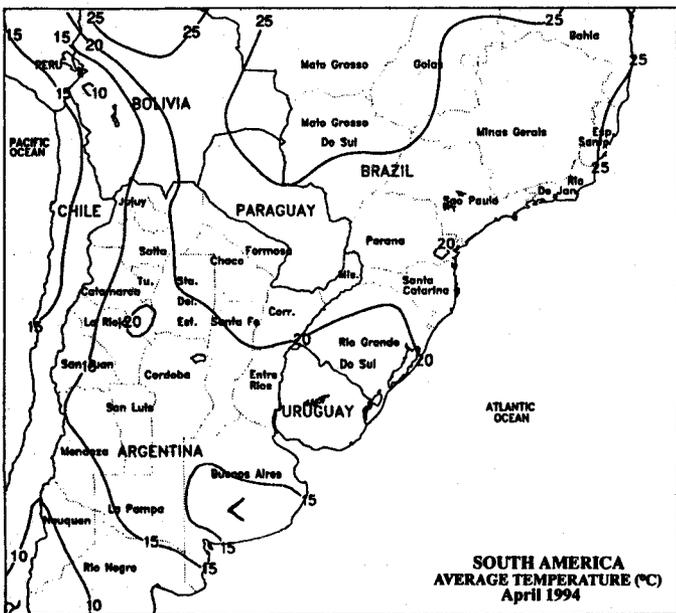
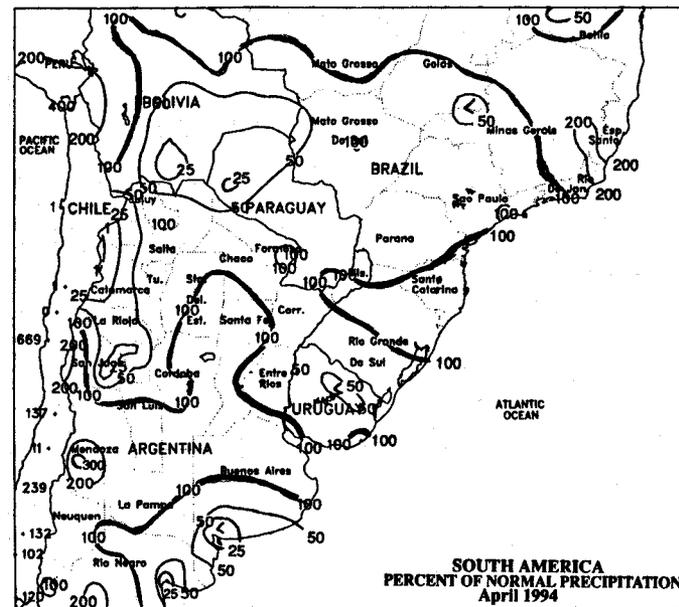
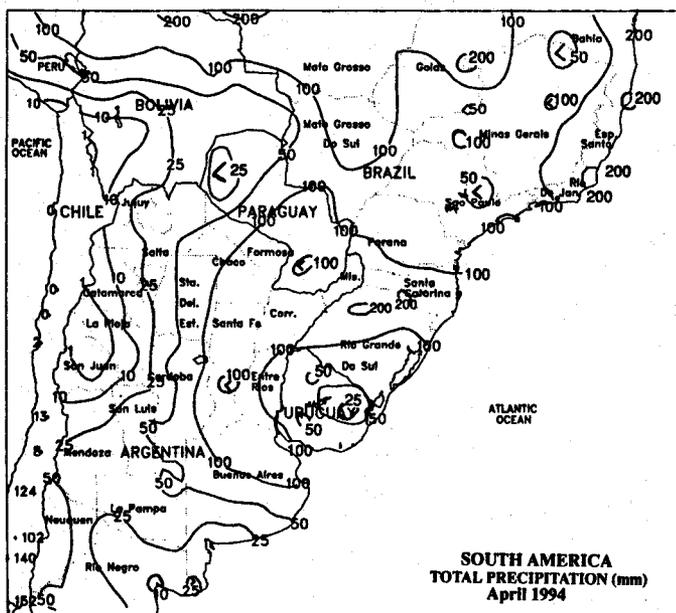


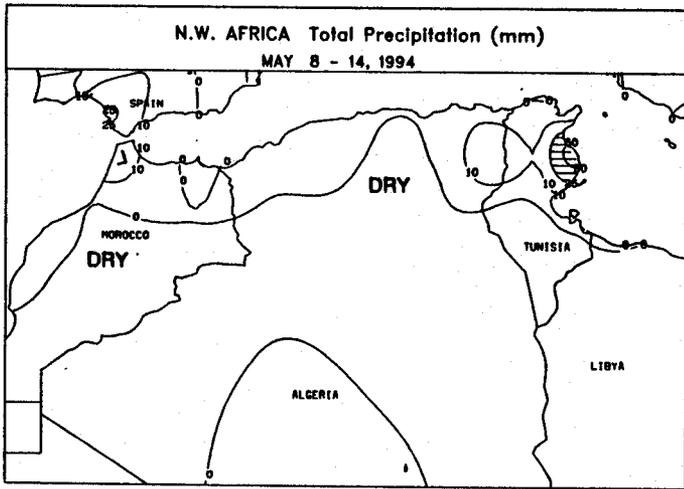
**AUSTRALIA:** Light rain (3-10 mm) fell across portions of South Australia, Victoria, and southern New South Wales, but more is needed to boost topsoil moisture for planting. Dry weather prevailed elsewhere, aiding eastern summer crop harvesting, but delaying wheat planting. However, wheat can be planted until early-July in most areas, so there is ample time for the crop to be sown. Light rain (1-10 mm) fell across the northeastern Queensland sugarcane areas. Temperatures averaged 1-3 degrees C below normal across the east and 1-2 degrees above normal across the west. In April, the major crop areas received less than 30 percent of normal rainfall, depleting topsoil moisture for wheat planting, but favoring eastern summer crop harvesting. The northeastern Queensland sugarcane areas received near- to below-normal April rainfall (30-90 percent of normal).





**SOUTH AMERICA:** Moderate to heavy showers (15-60 mm) slowed late summer crop harvesting across Rio Grande do Sul, Santa Catarina, and Parana, but increased topsoil moisture for winter wheat planting. Elsewhere over southern Brazil, scattered light showers (5-20 mm) prevailed, where summer crop harvesting is nearly finished. In April, rainfall averaged near to above normal in Rio Grande do Sul, slowing soybean harvesting. However, below-normal rainfall through the remaining major soybean areas favored harvesting. In Argentina, light to moderate rain (5-25 mm) fell from southern Santa Fe southward into central Buenos Aires, causing only brief delays in summer crop harvesting. Dry weather prevailed across southern Buenos Aires, allowing winter wheat planting to progress. Moderate showers (20-80 mm) delayed cotton harvesting in northern Argentina, and cotton and soybean harvesting in southern Paraguay. Weekly temperatures averaged near normal across the region. During April, rainfall averaged near normal in most of Argentina, with only southern Buenos Aires reporting below-normal rainfall.

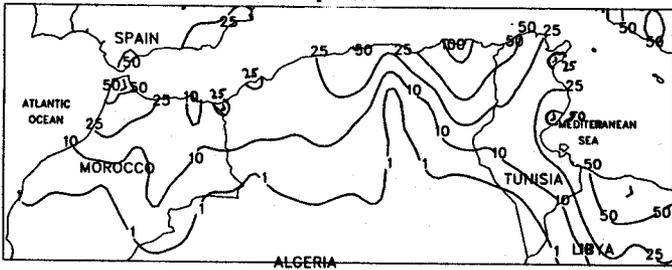




**NORTHWESTERN AFRICA:** Little, if any, precipitation (less than 7 mm) covered Morocco, Algeria, and Tunisia, allowing winter grain harvesting to progress without delay. To review the season, favorable soil moisture for planting in Morocco followed 2 drought years, boosting winter grain prospects. Adequate moisture during the winter maintained favorable moisture conditions. Dry weather began around mid-March and lasted through April, limiting moisture for filling crops, especially in the north. In Algeria and Tunisia, limited planting moisture hampered germination and crop establishment. Rain from February 4 to 20 improved moisture for crop growth. Since February 21, drought intensified over most of Algeria and Tunisia, negatively affecting crops. Weekly summaries for northwestern Africa will be discontinued until next year's planting season.

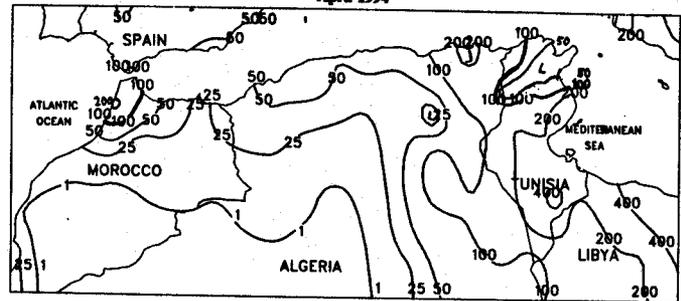
**NORTHWEST AFRICA  
TOTAL PRECIPITATION (mm)**

April 1994



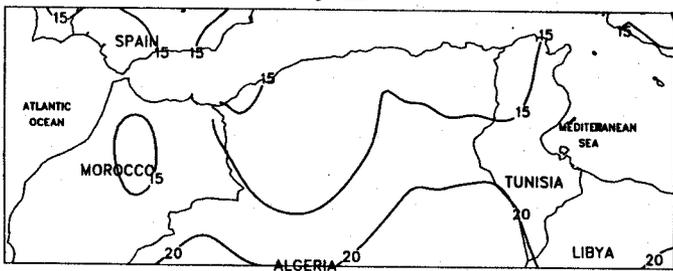
**NORTHWEST AFRICA  
PERCENT OF NORMAL PRECIPITATION**

April 1994



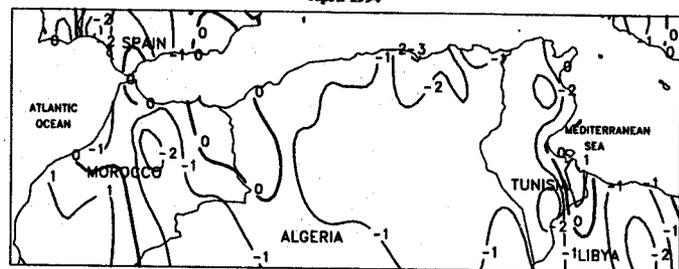
**NORTHWEST AFRICA  
AVERAGE TEMPERATURE (°C)**

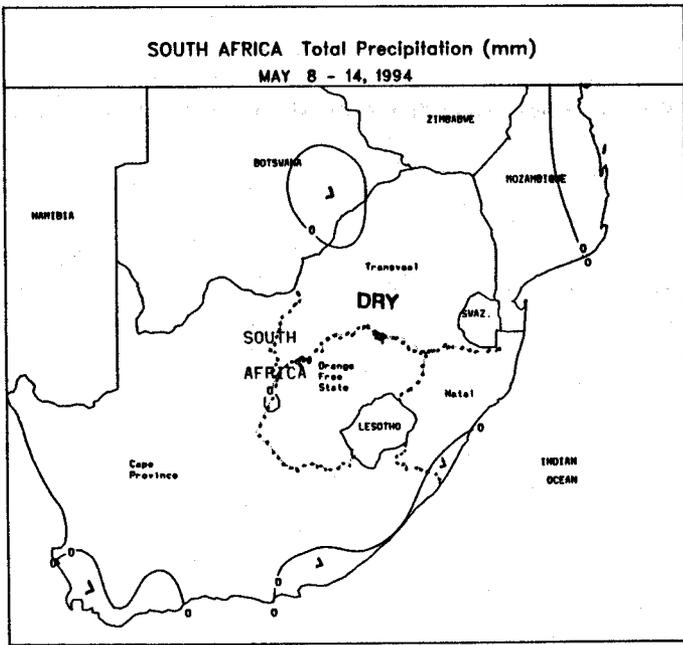
April 1994



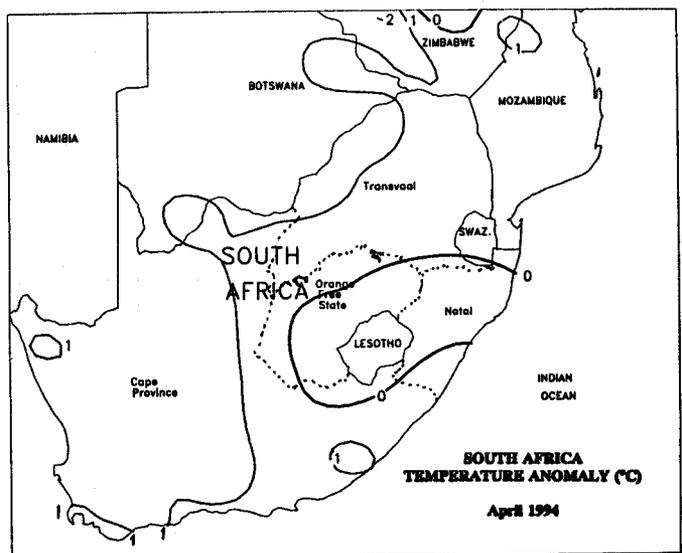
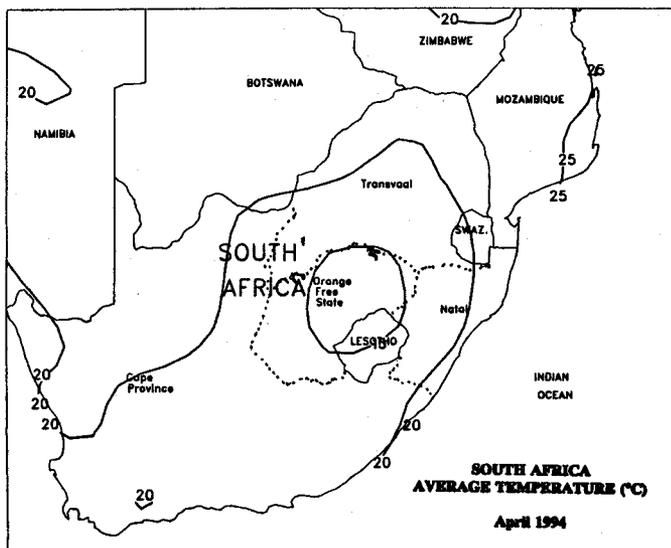
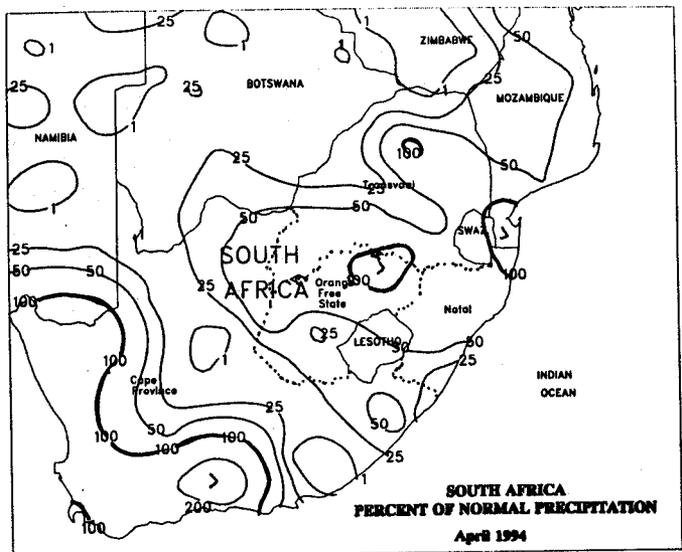
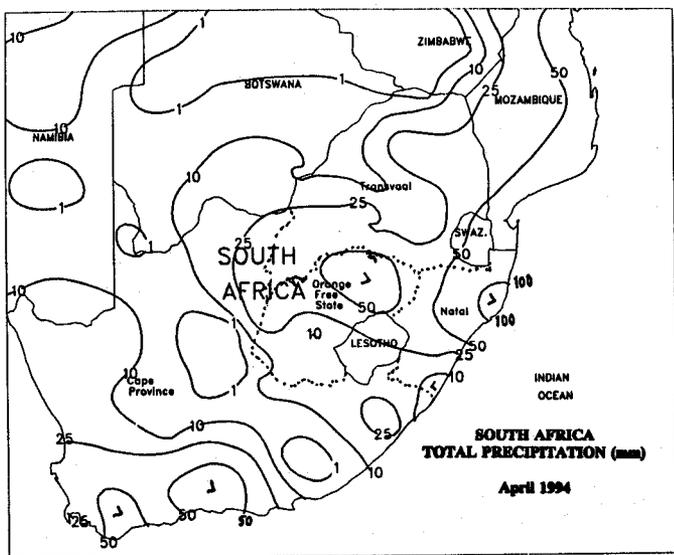
**NORTHWEST AFRICA  
TEMPERATURE ANOMALY (°C)**

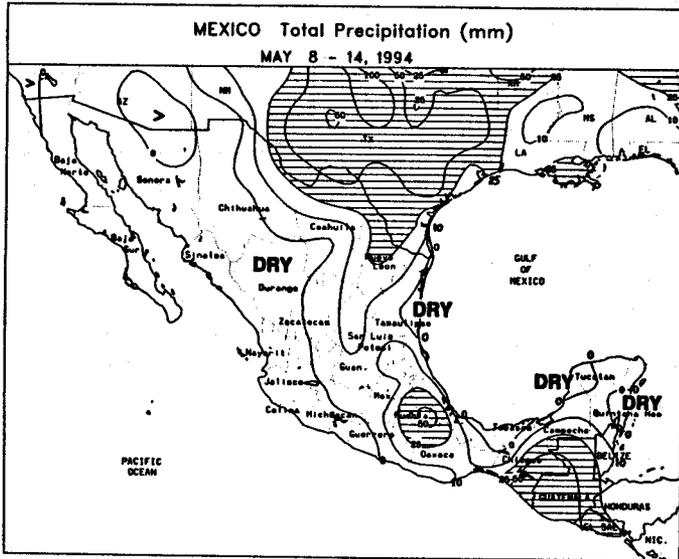
April 1994



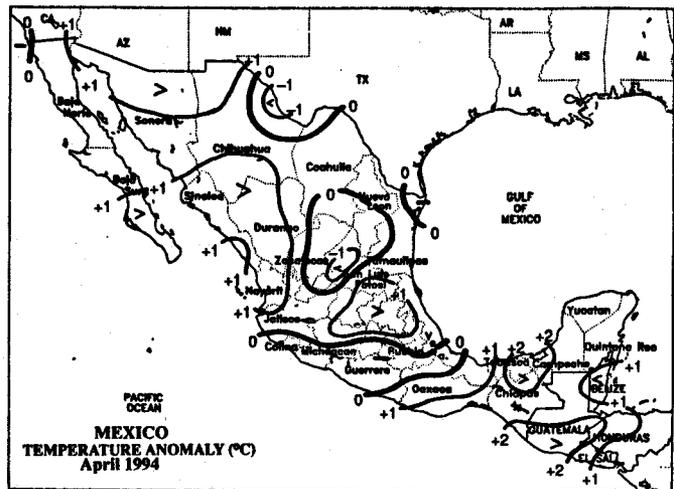
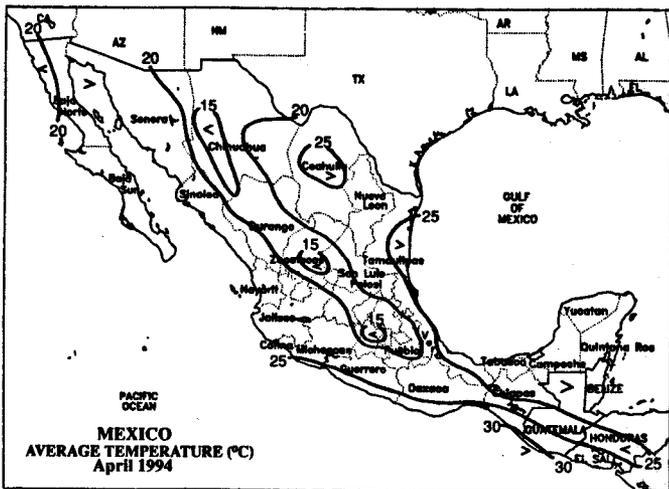
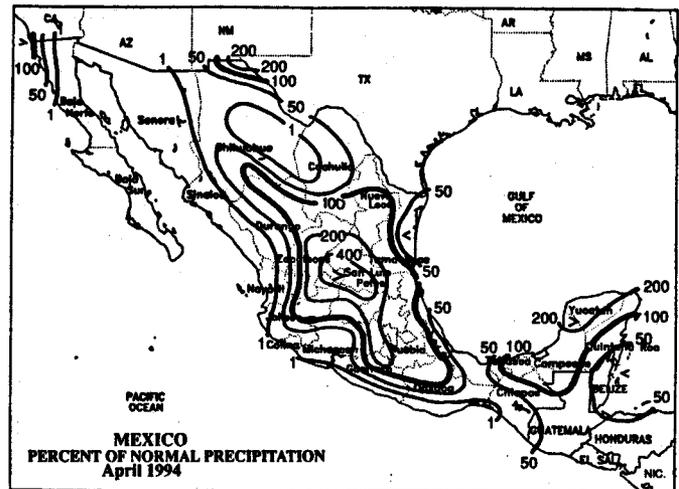
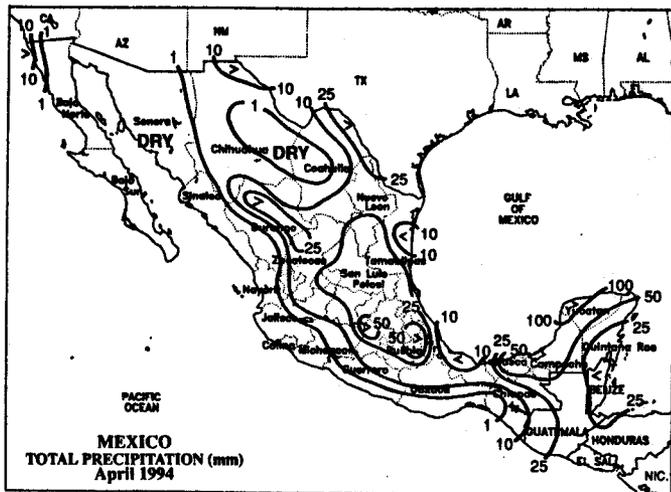


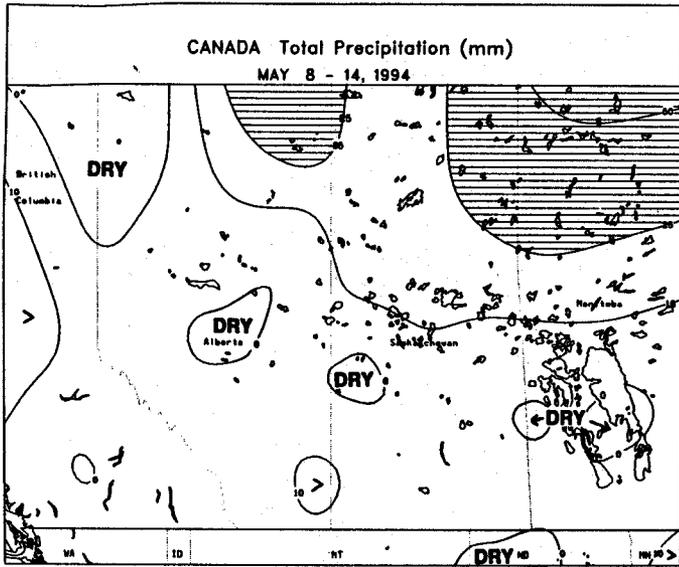
**SOUTH AFRICA:** Dry, seasonably cool weather covered the region, favoring corn harvest and winter wheat planting. Additional topsoil moisture is needed in primary wheat areas of Transvaal and the Orange Free State for proper establishment. In April, mostly dry, mild weather favored corn maturation in western corn areas, but reduced topsoil moisture for winter wheat planting. Lingering rain in eastern corn areas helped late-planted crops. In southern Cape Provinces, mid-April showers improved prospects for winter wheat planting, likely underway by month's end. Temperatures averaged near to above normal, despite a hard freeze in the southern corn belt that came somewhat early. This is the final weekly summary of the season. Coverage will resume in October as corn planting becomes widespread, although periodic updates may appear as warranted.



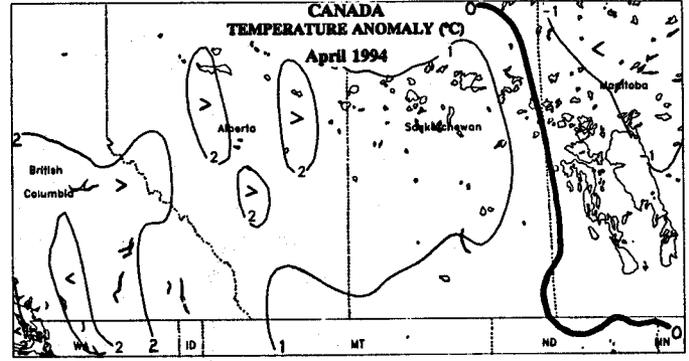
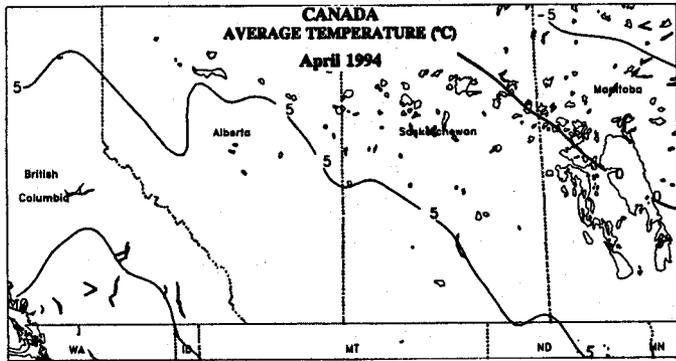
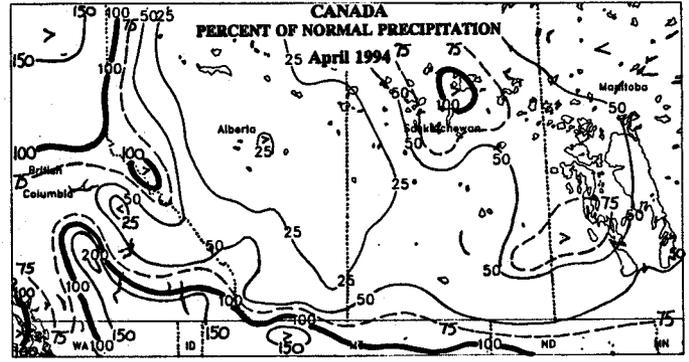
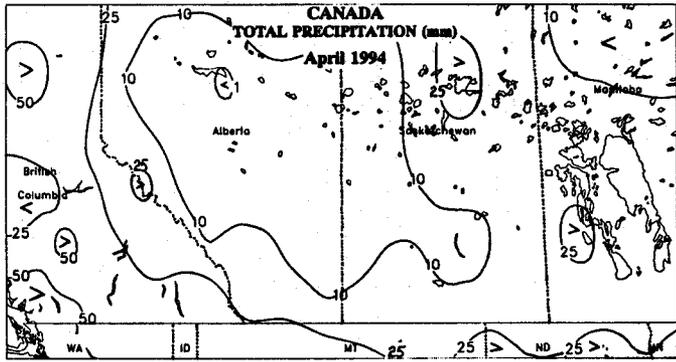


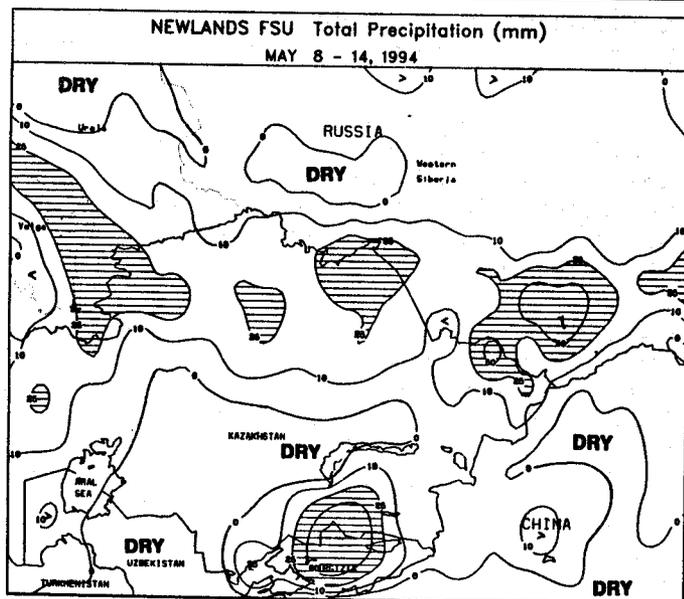
**MEXICO:** Variable showers (10-70 mm) fell across southeastern Mexico, boosting topsoil moisture for summer crop planting. The Southern Plateau corn belt was dry, where the rainy season has not yet started. Northwestern Mexico was dry, continuing the below-normal winter rainfall pattern. Irrigation supplies were somewhat low across the northwest, which will mainly impact summer crops. During April, unseasonably heavy showers (20-45 mm) fell across central Mexico (Zacatecas southward into Puebla). The Yucatan Peninsula averaged near-normal April rainfall, while the remainder of the country was seasonably dry.



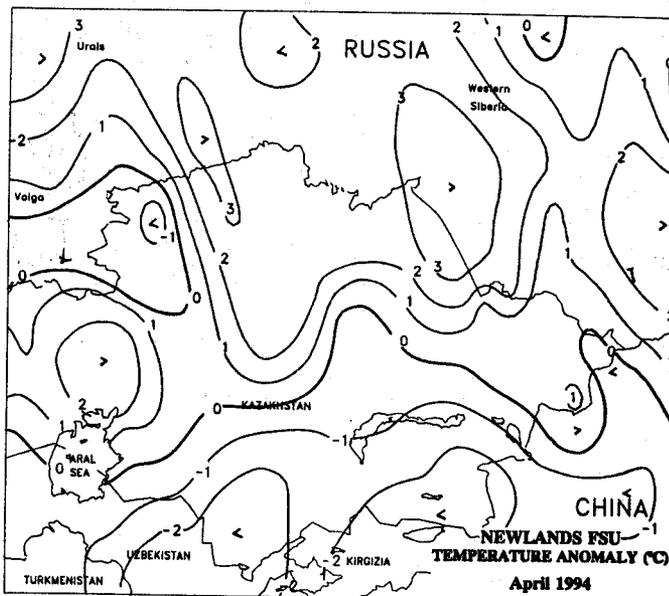
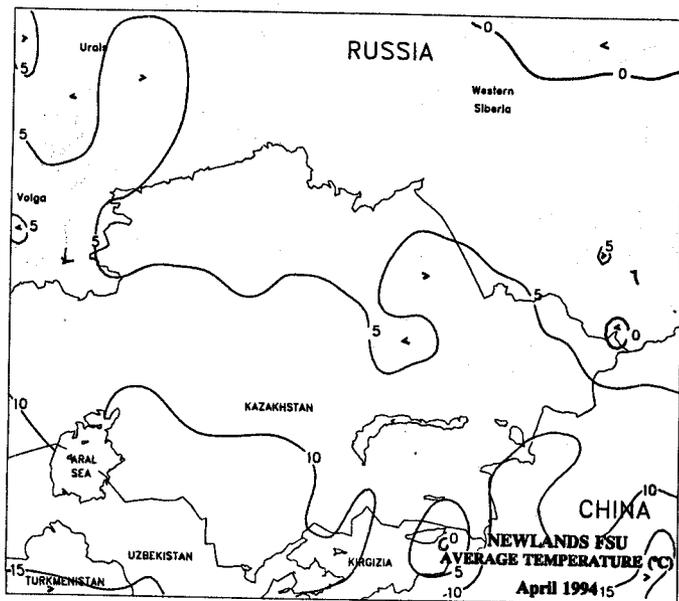
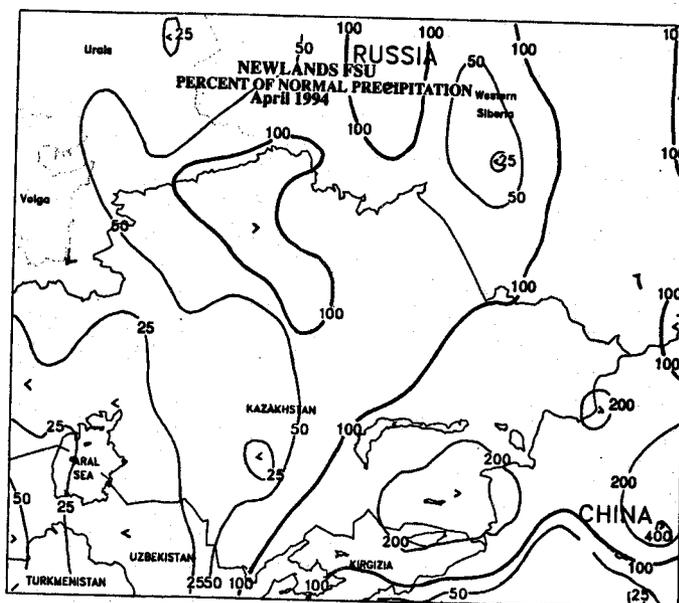
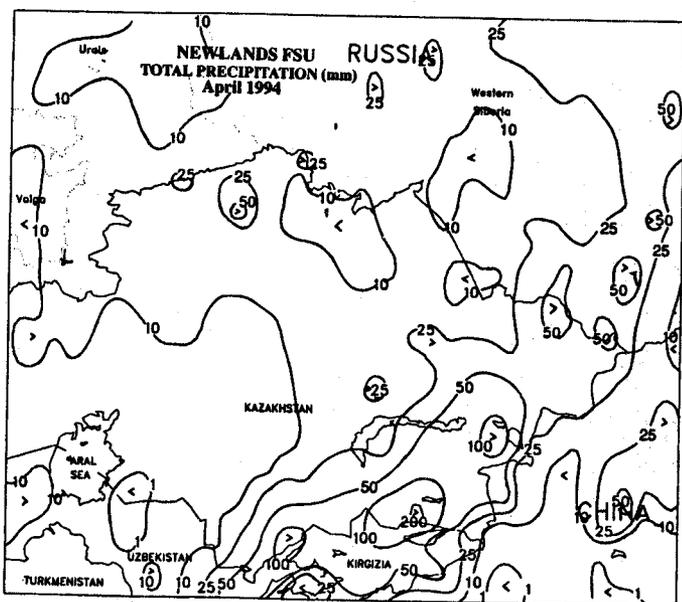


**CANADA:** Mostly dry weather covered the Prairies as most areas received less than 5 mm. Temperatures averaged 1-3 degrees C above normal, but freezing temperatures were common. The recent drying trend depleted topsoil moisture for germination, although winter precipitation had been near normal except for Manitoba. In Ontario, cool, wet weather (1-2 degrees C below-normal temperatures, 16-52 mm precipitation) covered vegetative winter wheat. Frost was scattered throughout the region, burning back northern crops. In April, drier, warmer-than-normal weather dominated the Prairies, reducing topsoil moisture for spring wheat and canola planting. In Ontario, both temperatures and rainfall were near to above normal, maintaining adequate soil moisture for crop growth. Winter wheat was greening across the region.





**FSU-NEW LANDS:** Spring grain planting (oats, spring barley, and spring wheat) usually begins around mid-May. Unseasonably mild April weather in Kazakhstan and Russia favored rapid melting of snow cover and warmed topsoils. This past week, light to moderate showers (10-25 mm, with local amounts in excess of 50 mm) over Kazakhstan and the southern portion of Western Siberia increased topsoil moisture needed for emergence and early plant establishment. However, the wet weather likely slowed early planting. Weekly average temperatures were 2-4 degrees C below normal over the region.



The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44- USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

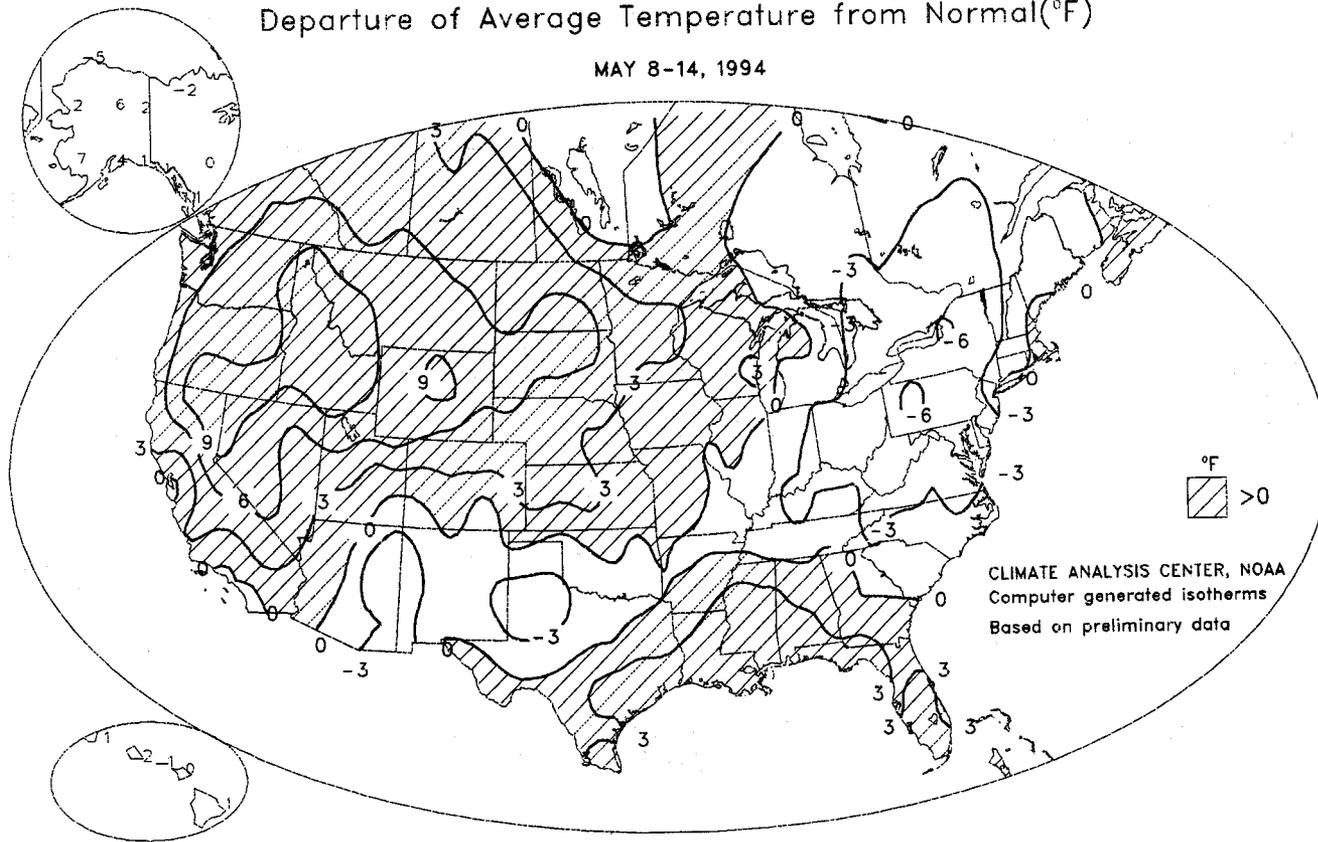
Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

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

MAY 8-14, 1994



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