

# 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

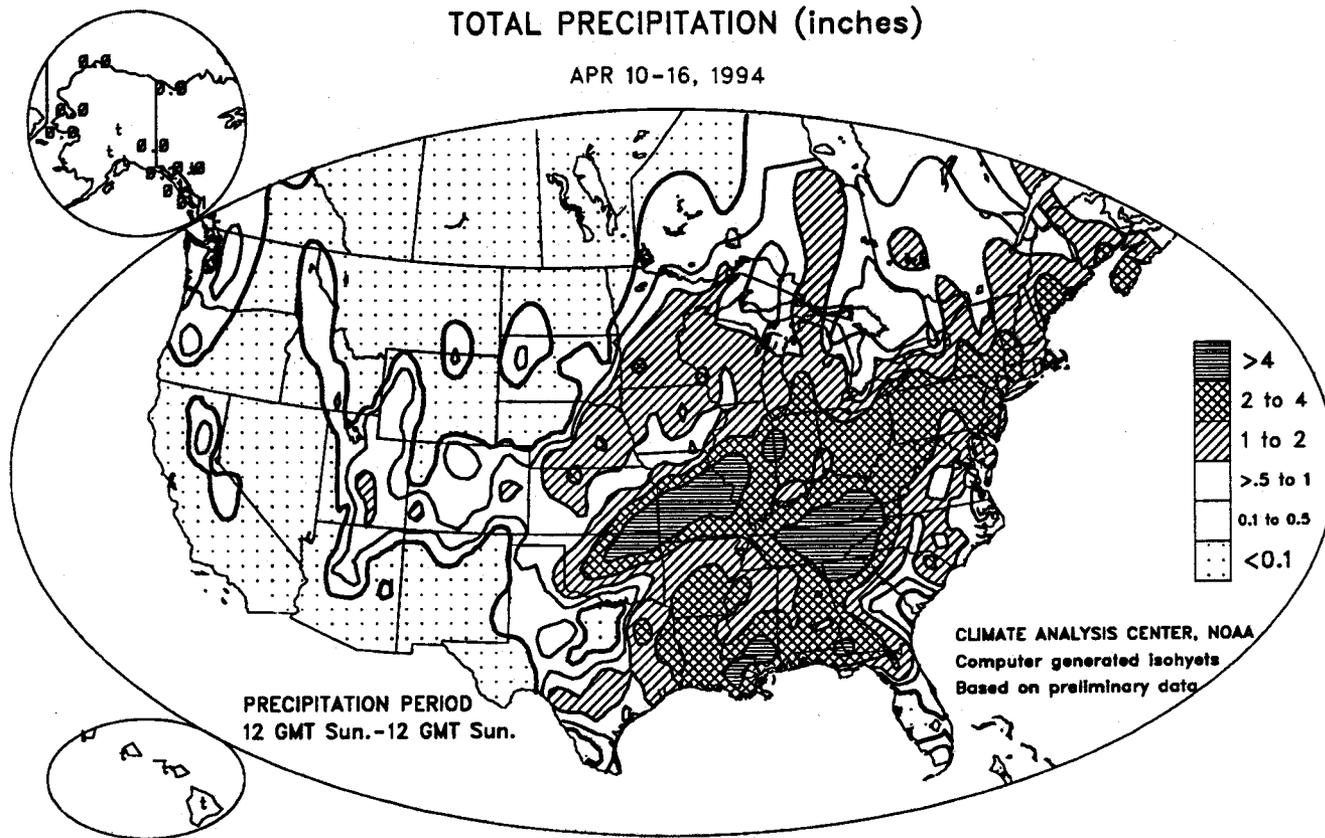
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Washington, D.C.

April 19, 1994

## TOTAL PRECIPITATION (inches)

APR 10-16, 1994



## HIGHLIGHTS

April 10 - 16, 1994

A combination of events--including continuing heavy flow from the Ohio River Valley and residual above-normal runoff from last summer's flooding in the Upper Mississippi Basin--culminated with a major spring storm on April 9-12, resulting in flooding in the middle Mississippi Valley. Unlike last year, the Mississippi River will rise above flood stage below its confluence with the Ohio River, but the duration of flooding, barring future inundations, will only last days, rather than weeks or months, as occurred farther upstream in 1993. Nevertheless, the Mississippi will at many locations attain its highest level in 10 years as a crest works downstream from the Ohio River confluence on April 18 to Baton Rouge, LA by about May 1.

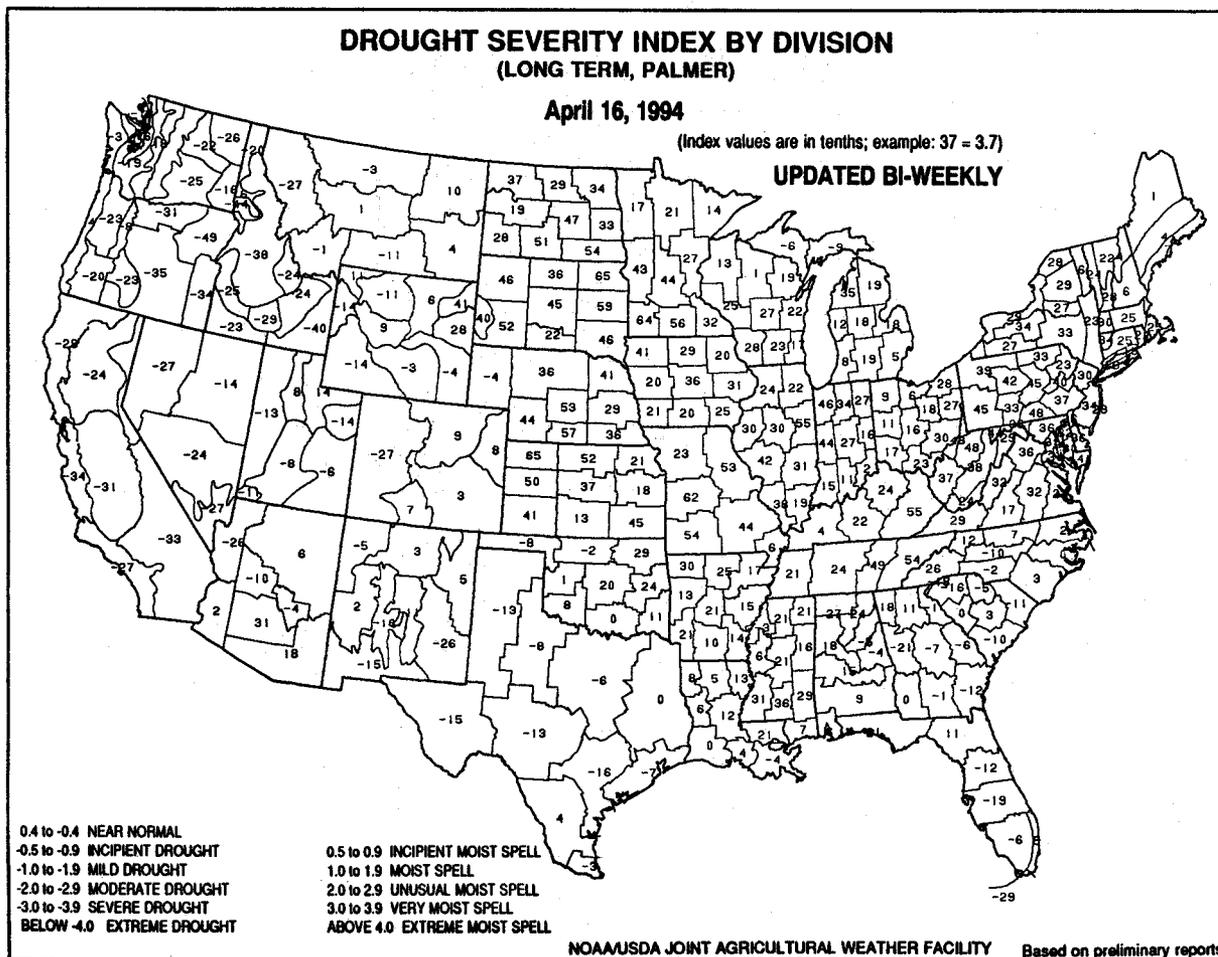
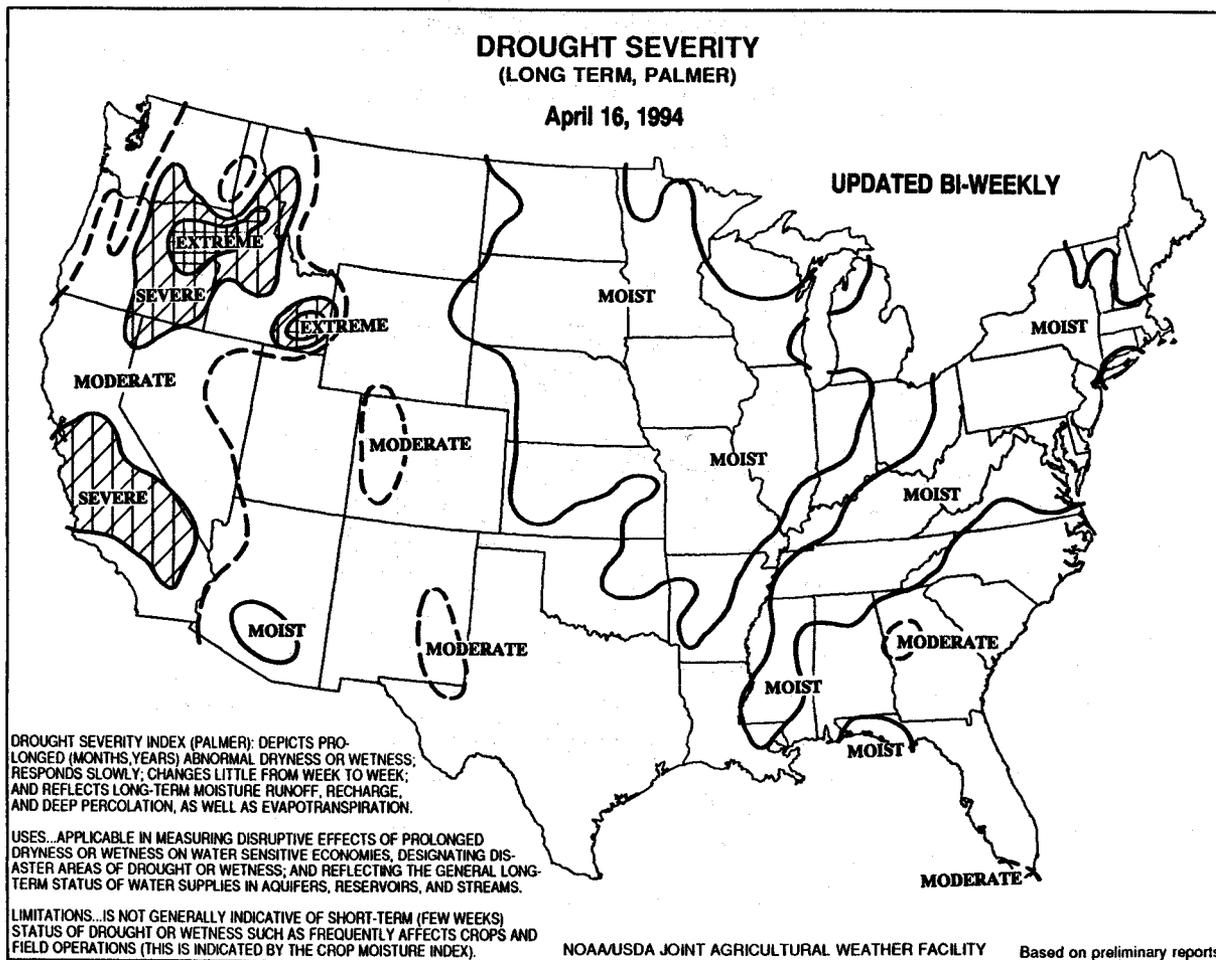
The powerhouse storm spent the first half of the week traversing the central third of the Nation, also delivering heavy snow to the Rockies and the

(Continued to p. 9)

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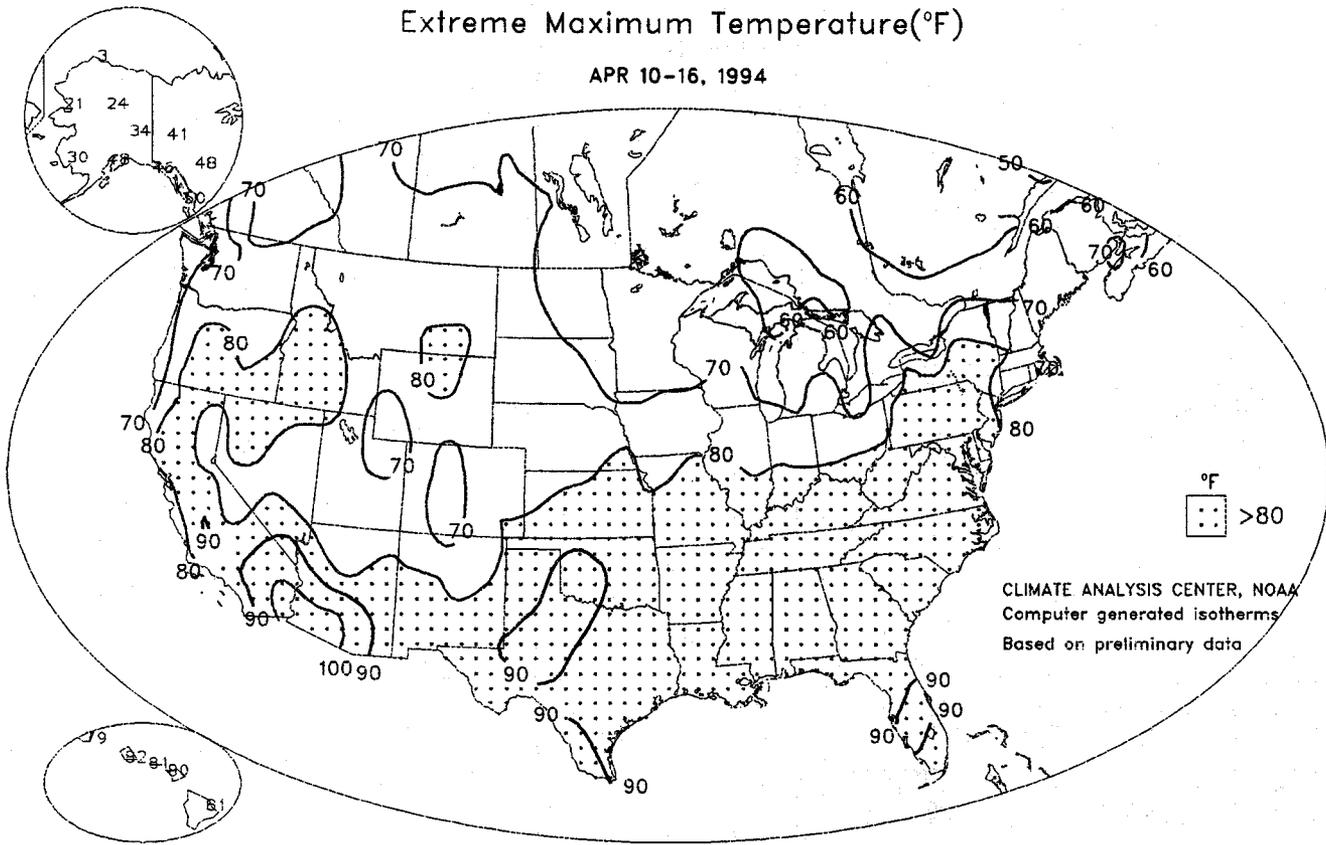
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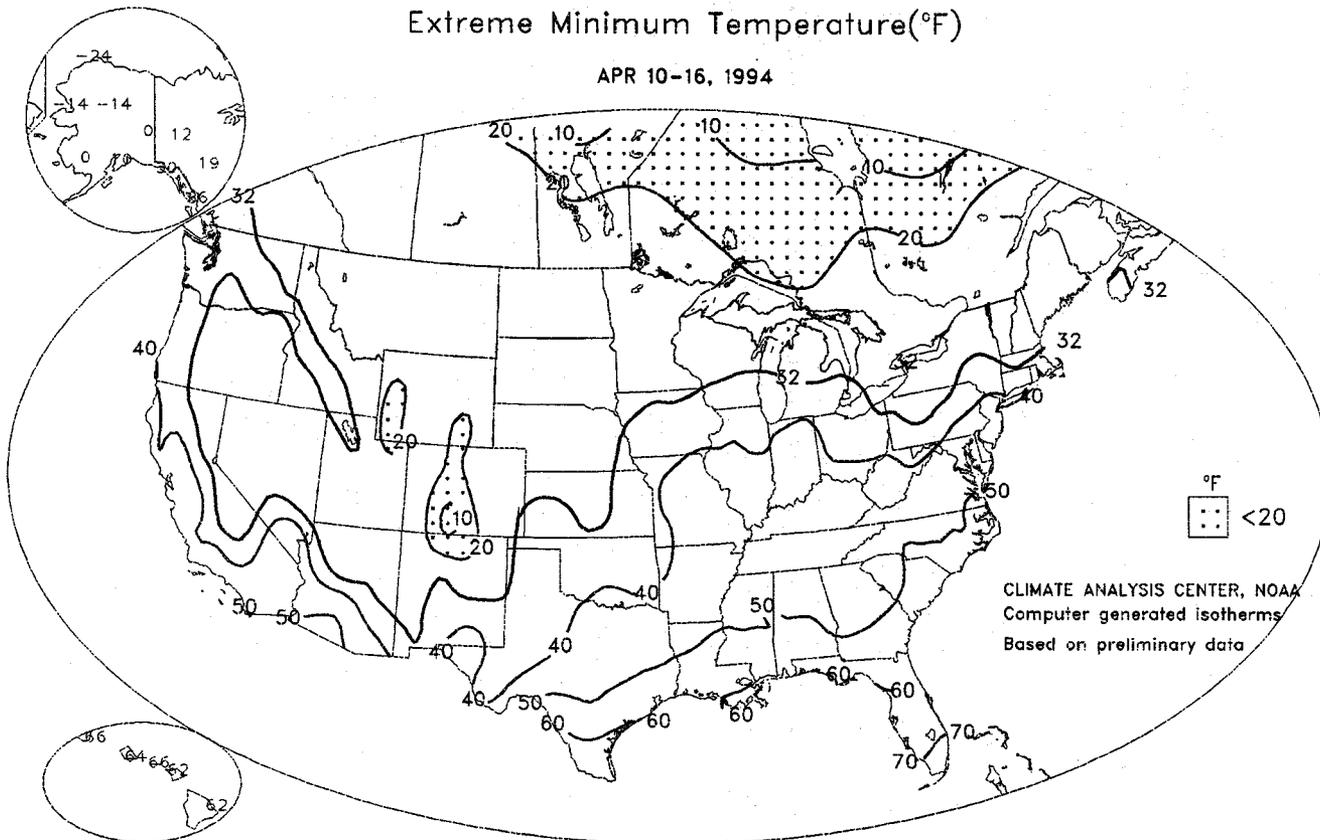
### Extreme Maximum Temperature(°F)

APR 10-16, 1994



### Extreme Minimum Temperature(°F)

APR 10-16, 1994



# National Weather Data for Selected Cities

Weather Data for the Week Ending April 16, 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	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	79	58	84	47	68	7	1.3	.1	1.1	11.3	127	21.2	113	93	51	0	0	2	1
MOBILE	80	63	82	57	72	4	4.0	3.0	2.3	8.5	96	16.4	86	98	52	0	0	5	2
MONTGOMERY	84	59	89	51	71	8	2.1	1.0	1.0	8.9	102	19.0	100	93	44	0	0	4	2
AK ANCHORAGE	41	27	51	11	34	-1	1.1	1.2	1.0	1.9	178	2.8	105	79	45	0	0	4	2
BARROW	-3	-20	4	-24	-11	-7	1.1	1.1	1.1	1.1	54	2.2	78	71	0	0	0	0	0
FAIRBANKS	24	11	31	2	18	-12	1.1	1.1	1.1	1.1	43	1.0	42	62	46	0	0	0	0
JUNEAU	42	35	46	32	39	0	1.4	1.8	1.8	6.8	144	15.8	121	93	69	0	1	1	1
KODIAK	41	28	46	20	35	-3	1.1	1.1	1.1	1.1	179	28.2	145	77	50	0	0	2	1
WOME	18	4	29	-6	11	-5	1.1	1.1	1.1	1.1	158	2.5	110	64	56	0	0	0	0
AZ PHOENIX	86	58	100	50	72	3	1.1	1.1	1.1	1.4	127	2.0	84	47	14	2	2	0	0
PRESCOTT	69	39	82	31	54	3	1.1	1.1	1.1	1.0	42	2.3	43	72	22	0	1	1	0
TUCSON	85	50	96	42	68	2	1.1	1.1	1.1	1.1	127	2.2	89	46	10	2	0	0	0
YUMA	91	60	104	50	75	3	1.1	1.1	1.1	1.1	38	4	43	43	13	4	0	0	0
AR FORT SMITH	79	51	85	41	65	3	1.6	1.3	1.6	5.0	83	12.4	118	82	36	0	0	2	1
LITTLE ROCK	79	57	85	50	68	6	3.0	2.0	2.9	8.5	117	17.0	123	78	37	0	0	3	1
CA BAKERSFIELD	85	51	97	42	68	6	1.0	1.1	1.0	1.1	79	3.0	91	49	16	2	0	0	0
BUREKA	58	47	63	43	53	3	1.0	1.0	1.0	2.7	38	14.9	83	86	48	0	0	0	0
FRESNO	84	50	93	42	67	6	1.0	1.0	1.0	1.9	37	4.1	65	82	17	1	0	0	0
LOS ANGELES	71	54	83	50	63	3	1.0	1.0	1.0	1.2	48	5.9	80	75	22	0	0	0	0
REDDING	79	46	87	40	63	6	1.0	1.0	1.0	2.2	39	12.0	74	84	25	0	0	0	0
SACRAMENTO	79	47	85	43	63	5	1.0	1.0	1.0	1.3	10	5.0	50	91	30	0	0	0	0
SAN DIEGO	71	55	80	51	63	1	1.0	1.0	1.0	3.7	160	7.1	126	76	21	0	0	0	0
SAN FRANCISCO	69	48	75	44	59	3	1.0	1.0	1.0	1.6	14	8.3	72	91	42	0	0	0	0
CO DENVER	61	33	80	28	47	0	1.4	1.0	1.3	2.0	94	3.3	105	78	35	0	4	2	0
GRAND JUNCTION	66	39	76	31	52	-1	1.1	1.1	1.1	1.8	117	2.6	98	71	27	0	1	2	0
PUEBLO	64	31	82	25	48	-4	1.4	1.3	1.2	2.0	161	2.7	145	87	33	0	5	2	0
CT BRIDGEPORT	59	45	65	41	52	5	1.7	1.8	1.5	8.2	143	16.5	137	91	59	0	0	5	1
HARTFORD	61	42	82	35	52	4	1.7	1.8	1.9	8.1	143	17.3	141	88	48	0	0	4	1
DC WASHINGTON	72	53	80	48	62	7	1.8	1.2	1.4	10.0	219	18.5	185	93	52	0	0	4	0
FL APALACHICOLA	79	65	85	60	72	5	1.9	1.3	1.5	6.6	113	15.5	115	93	54	1	0	3	1
DAYTONA BEACH	84	67	90	58	76	7	1.2	1.3	1.2	3.6	88	11.9	119	93	54	1	0	1	0
JACKSONVILLE	84	64	89	55	74	6	1.2	1.6	1.7	3.3	66	10.8	90	96	55	0	0	3	1
KEY WEST	84	77	87	74	80	4	1.3	1.1	1.3	1.7	26	5.3	83	82	67	0	0	2	0
MIAMI	85	75	86	74	80	5	1.4	1.3	1.3	2.3	62	11.5	149	82	57	0	0	2	0
ORLANDO	87	67	91	60	77	6	1.4	1.4	1.2	1.2	29	8.8	93	92	49	2	0	0	0
TALLAHASSEE	82	64	87	58	73	7	1.4	1.5	1.7	14.5	173	25.4	136	91	59	0	0	4	1
TAMPA	88	70	90	66	79	8	1.4	1.2	1.7	1.7	20	4.8	56	87	50	1	0	0	0
WEST PALM BEACH	85	72	87	70	79	4	1.4	1.3	1.1	3.6	84	12.8	132	87	56	0	0	4	0
GA ATLANTA	80	60	86	52	70	9	2.2	1.2	1.8	8.7	107	17.6	99	92	46	0	0	3	1
AUGUSTA	82	52	85	46	67	5	1.4	1.2	1.2	6.9	107	15.1	102	99	50	0	0	3	0
MACON	84	57	85	46	70	7	1.7	1.1	1.5	7.1	106	15.4	96	96	44	0	0	4	0
SAVANNAH	83	63	89	56	73	8	1.1	1.6	1.1	3.9	71	9.3	76	93	48	0	0	1	0
HI HILO	79	65	81	62	72	-1	1.0	1.5	1.1	22.7	101	58.6	138	83	62	0	0	4	0
HONOLULU	81	68	82	64	74	-1	1.1	1.3	1.1	3.3	107	10.7	121	77	46	0	0	1	0
KAHULUI	79	64	80	62	71	-3	1.1	1.3	1.1	4.4	116	6.8	62	88	62	0	0	2	0
LIHUE	77	68	79	66	73	-1	1.3	1.5	1.2	3.9	64	14.6	95	81	65	0	0	3	0
ID BOISE	67	38	85	30	53	4	1.0	1.3	1.0	1.7	34	2.9	64	66	22	0	3	0	0
LEWISTON	65	42	80	37	54	4	1.1	1.3	1.1	1.6	38	2.3	59	67	30	0	0	0	0
POCATELLO	63	36	79	30	50	5	1.1	1.2	1.1	1.4	23	2.3	60	76	24	0	1	1	0
IL CHICAGO	59	42	71	39	50	3	1.1	1.3	1.1	2.2	48	6.8	91	90	51	0	0	4	1
MOLINE	63	43	77	36	53	3	1.5	1.6	1.1	2.1	42	5.8	74	83	45	0	0	4	1
PEORIA	63	43	78	42	53	2	2.0	1.1	1.9	3.2	65	6.0	77	92	46	0	0	6	2
QUINCY	62	44	79	41	53	1	2.6	1.8	1.9	3.9	77	4.6	58	83	49	0	0	3	2
ROCKFORD	61	41	73	38	51	4	1.0	1.2	1.1	2.2	50	6.2	92	85	43	0	0	3	1
SPRINGFIELD	64	43	81	39	54	1	4.8	3.9	3.0	7.2	138	9.3	110	87	52	0	0	4	3
IN EVANSVILLE	72	51	84	47	62	4	1.2	1.2	1.6	4.5	62	10.0	73	84	49	0	0	4	1
FORT WAYNE	63	44	74	41	53	5	2.7	1.9	1.6	6.5	138	10.0	118	87	55	0	0	5	2
INDIANAPOLIS	63	44	79	40	53	2	2.1	1.3	1.1	4.9	84	8.9	85	87	53	0	0	3	2
SOUTH BEND	60	42	72	39	51	3	1.4	1.4	1.7	2.4	47	6.3	68	87	54	0	0	5	1
IA DES MOINES	61	41	77	36	51	2	1.3	1.3	1.4	1.4	36	4.4	73	83	38	0	0	4	2
SIOUX CITY	61	36	72	31	49	-1	1.9	1.3	1.8	1.0	31	2.7	62	79	34	0	1	3	1
WATERLOO	61	39	74	34	50	3	1.0	1.3	1.6	1.6	42	3.8	65	83	32	0	0	3	1
KS CONCORDIA	62	39	79	31	51	-1	1.1	1.6	1.0	1.0	31	1.8	40	87	46	0	1	2	0
DODGE CITY	64	37	84	34	51	-3	1.5	1.1	1.5	1.4	56	2.3	62	88	44	0	0	2	1
GOODLAND	57	33	76	31	45	-3	1.5	1.2	1.2	2.3	139	2.8	113	90	47	0	3	2	0
TOPEKA	65	41	82	36	53	-1	1.4	1.3	1.2	1.6	39	2.8	47	89	45	0	0	3	0
WICHITA	65	41	81	32	53	-4	1.7	1.1	1.7	2.0	51	2.0	34	89	55	0	1	1	1
KY BOWLING GREEN	76	53	84	43	64	8	3.8	2.8	1.4	12.0	162	23.8	155	89	47	0	0	4	3
LEXINGTON	70	50	79	43	60	6	2.4	1.5	1.2	10.4	160	19.3	154	91	48	0	0	4	2
LOUISVILLE	71	49	84	46	60	5	1.2	1.2	1.6	5.8	84	12.8	98	87	52	0	0	3	1
LA BATON ROUGE	80	64	85	57	72	3	2.9	1.6	1.4	9.3	121	18.9	104	97	62	0	0	3	2
LAKE CHARLES	78	64	82	54	71	3	1.3	1.6	1.1	4.1	85	9.4	73	96	64	0	0	3	1
NEW ORLEANS	81	65	84	58	73	5	1.6	1.6	1.7	7.0	96	10.9	59	94	52	0	0	4	2
SHREVEPORT	79	57	86	49	68	3	2.1	1.3	1.1	6.6	109	15.2	106	90	51	0	0	3	2

Based on 1961-90 normals.

Weather Data for the Week Ending April 16, 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		
ME CARIBOU	53	35	65	27	44	7	.8	.2	.4	4.9	131	9.9	123	86	38	0	0	2	5	0	1	
ME PORTLAND	56	38	66	29	47	5	1.6	.6	1.0	8.8	151	15.5	122	89	51	0	2	3	3	1	1	
MD BALTIMORE	70	50	83	44	60	7	1.3	.6	1.9	10.6	210	19.3	172	94	52	0	0	0	4	1	1	
MA SALISBURY	72	52	84	49	62	9	1.6	.8	1.5	10.7	181	19.3	148	90	53	0	0	0	2	1	1	
MA BOSTON	62	45	68	40	53	6	1.6	.7	.7	9.4	167	17.6	137	86	50	0	0	0	4	2	2	
MA CHATHAM	56	43	60	41	50	6	2.7	1.8	1.3	11.3	194	20.6	153	92	71	0	0	0	5	3	3	
MI ALPENA	55	33	71	23	44	5	.8	.3	.5	2.4	73	5.4	87	87	44	0	3	4	0	0	0	
MI DETROIT	59	45	75	39	52	6	1.3	.6	.6	4.3	105	8.5	111	83	51	0	0	0	4	1	1	
MI FLINT	57	40	72	32	49	4	1.1	.5	1.0	2.9	77	5.5	86	83	44	0	1	3	1	1	1	
MI GRAND RAPIDS	57	41	69	36	49	4	1.5	.7	1.1	3.0	69	7.4	97	83	41	0	0	0	4	1	1	
MI HOUGHTON LAKE	53	36	67	23	45	4	1.5	1.0	.6	3.6	114	6.9	119	90	47	0	2	4	1	1	1	
MI LANSING	58	40	71	34	49	4	1.4	.7	.9	3.3	89	6.3	98	87	46	0	0	0	3	1	1	
MI MARQUETTE	54	30	67	23	42	3	.5	-.1	.4	2.8	68	5.0	61	89	34	0	5	3	0	0	0	
MI MUSKEGON	55	39	67	34	47	3	1.0	.3	.4	2.4	60	7.7	98	83	45	0	0	0	3	0	0	
MI SAULT ST. MARIE	47	30	62	23	39	2	1.3	.8	.7	3.2	90	6.3	82	93	58	0	4	5	1	1	1	
MN ALEXANDRIA	60	33	66	25	46	5	.7	.2	.5	1.4	56	2.4	58	86	27	0	3	2	1	1	1	
MN DULUTH	56	33	63	27	44	7	1.3	.8	1.3	2.7	89	5.2	103	77	31	0	3	2	1	1	1	
MN INT'L FALLS	59	28	69	24	43	5	.6	.3	.6	1.3	73	2.1	64	83	31	0	5	2	2	1	1	
MN MINNEAPOLIS	60	37	68	29	48	3	1.0	.5	.6	1.5	48	3.5	70	76	26	0	2	2	1	1	1	
MN ROCHESTER	56	36	67	29	46	2	1.1	.5	.7	1.9	61	3.8	82	86	42	0	2	3	1	1	1	
MS GREENWOOD	80	60	88	50	70	7	2.2	1.0	1.4	9.8	115	16.7	93	94	52	0	0	0	2	2	2	
MS JACKSON	78	60	83	50	69	5	.9	-.4	.5	9.4	106	23.9	124	91	56	0	0	0	2	0	0	
MS MERIDIAN	81	60	88	50	71	7	3.0	1.7	2.6	11.6	118	26.4	129	92	48	0	0	0	2	1	1	
MO CAPE GIRARDEAU	74	51	80	43	63	6	2.4	1.3	.9	8.3	112	15.7	116	87	56	0	0	0	4	3	3	
MO COLUMBIA	65	45	87	40	55	2	6.8	6.0	3.8	9.9	200	12.8	156	86	56	0	0	0	4	4	1	
MO KANSAS CITY	63	43	79	37	53	-1	.9	.2	.5	2.4	61	4.5	73	87	56	0	0	0	4	4	1	
MO SAINT LOUIS	67	49	86	46	58	2	4.9	4.1	2.1	7.4	136	11.0	118	83	49	0	0	0	3	3	3	
MO SPRINGFIELD	69	45	85	39	57	2	5.3	4.4	2.7	10.1	172	14.3	150	83	52	0	0	0	4	3	3	
MT BILLINGS	66	37	82	29	52	7	.2	-.2	.2	1.5	77	2.3	63	68	22	0	2	1	1	0	0	
MT GLASGOW	65	33	74	23	49	6	T	-.1	T	.5	66	1.5	114	75	22	0	2	1	0	0	0	
MT GREAT FALLS	62	35	77	27	49	6	T	-.3	T	.7	37	1.7	52	68	23	0	4	1	0	0	0	
MT HAVRE	65	32	76	26	49	6	..	..	..	..	..	..	..	74	24	0	0	4	1	0	0	
MT HELENA	63	34	80	30	48	6	-.1	-.1	.1	1.0	88	1.6	74	73	23	0	3	1	0	0	0	
MT KALISPELL	59	31	75	24	45	3	-.1	-.1	.1	1.2	81	3.2	78	90	29	0	5	2	0	0	0	
MT MILES CITY	68	37	82	29	53	8	T	-.3	T	.5	43	1.6	72	73	24	0	2	0	0	0	0	
MT MISSOULA	62	33	79	25	47	4	T	-.2	T	1.1	76	1.9	55	78	27	0	3	0	0	0	0	
NE GRAND ISLAND	61	35	77	26	48	-2	1.9	1.3	1.6	1.9	63	3.8	89	86	39	0	2	3	1	1	1	
NE LINCOLN	62	39	79	30	50	0	1.1	.4	.9	1.1	32	2.0	42	88	40	0	1	4	1	0	0	
NE NORFOLK	60	36	75	28	48	0	.8	.3	.5	.9	31	2.5	59	85	37	0	1	3	0	1	1	
NE NORTH PLATTE	62	31	77	25	47	-1	.6	.1	.5	.7	32	1.5	51	89	28	0	3	2	1	1	1	
NE OMAHA	64	39	81	34	51	1	1.1	.5	.7	1.1	31	2.6	53	**	**	0	0	3	3	1	1	
NE SCOTTSBLUFF	63	32	80	27	47	2	T	-.3	T	1.1	60	2.4	88	76	24	0	4	0	0	0	0	
NE VALENTINE	62	30	78	24	46	-2	T	-.5	T	.3	14	1.1	32	78	22	0	6	0	0	0	0	
NV ELY	61	27	75	22	44	3	T	-.2	T	2.3	157	4.0	139	86	26	0	6	1	0	0	0	
NV LAS VEGAS	83	57	91	51	70	7	.0	-.1	.0	.1	23	.7	44	39	13	1	0	0	0	0	0	
NV RENO	72	39	79	32	55	7	.0	-.1	.0	1.0	110	1.7	56	75	16	0	1	0	0	0	0	
NV WINNEMUCA	70	31	83	25	50	5	.0	-.2	.0	.9	76	2.2	83	77	18	0	5	0	0	0	0	
NH CONCORD	60	36	78	26	48	5	1.4	.8	.8	7.0	164	11.2	121	94	44	0	3	3	1	1	1	
NH ATLANTIC CITY	66	46	82	40	56	7	1.5	.7	1.1	11.2	203	18.9	157	90	51	0	0	0	4	1	1	
NH ALBUQUERQUE	72	43	82	37	58	3	T	-.1	T	.6	81	.9	53	55	16	0	0	2	0	0	0	
NH CLOVIS	70	41	83	31	56	0	.2	-.1	.2	1.1	119	1.4	74	66	20	0	1	1	0	0	0	
NH ROSWELL	78	45	87	36	62	1	.0	-.1	.0	.7	118	.7	50	51	15	0	0	0	0	0	0	
NY ALBANY	60	37	82	32	49	3	2.2	1.5	1.0	7.3	163	12.4	135	91	45	0	1	4	4	1	1	
NY BINGHAMTON	58	38	83	32	48	5	1.6	.9	.5	7.3	165	12.6	137	91	47	0	1	4	1	1	1	
NY BUFFALO	62	41	87	33	52	7	1.1	.4	.6	5.6	132	9.9	107	91	52	0	0	0	4	1	1	
NY NEW YORK	65	48	75	43	57	6	1.3	.4	.5	8.0	143	15.6	136	90	49	0	0	0	4	1	1	
NY ROCHESTER	62	41	86	35	51	7	1.6	1.0	.8	4.8	131	9.1	116	91	47	0	0	0	3	1	1	
NY SYRACUSE	63	38	87	32	50	6	2.9	2.1	1.8	9.3	205	14.6	162	93	53	0	1	4	2	2	2	
NC ASHEVILLE	71	51	80	40	61	6	2.5	1.6	1.2	10.6	136	21.1	130	95	52	0	0	5	2	2	2	
NC CHARLOTTE	77	56	84	51	67	8	1.9	1.3	1.5	7.0	119	13.2	98	89	42	0	0	5	1	1	1	
NC GREENSBORO	73	52	80	46	63	6	.8	-.1	.3	6.0	115	12.1	103	88	43	0	0	4	0	0	0	
NC HATTERAS	76	62	80	57	69	11	1.2	.4	.7	8.3	134	18.7	120	92	59	0	0	3	1	1	1	
NC NEW BERN	79	55	85	50	67	6	.7	.0	.3	6.3	114	14.1	100	93	47	0	0	3	0	0	0	
NC RALEIGH	78	54	83	49	66	7	.7	.1	.3	6.7	131	13.2	107	91	49	0	0	5	0	0	0	
NC WILMINGTON	79	57	83	52	68	8	.6	-.1	.4	8.9	145	19.2	126	99	54	0	0	2	0	0	0	
ND BISMARCK	62	30	71	23	46	4	T	-.4	T	.8	52	1.8	74	87	27	0	5	1	0	0	0	
ND FARGO	63	31	68	25	47	5	T	-.4	T	.8	59	2.5	80	82	28	0	4	1	0	0	0	
ND GRAND FORKS	62	33	68	28	48	7	.0	-.3	.0	.5	29	1.7	62	81	30	0	1	0	0	0	0	
ND WILLISTON	65	32	74	28	49	7	T	-.3	T	.9	70	2.8	123	76	22	0	5	1	0	0	0	
OH AKRON-CANTON	62	41	75	32	52	4	3.7	3.0	1.7	8.7	175	13.8	148	92	49	0	1	6	3	3	3	
OH CINCINNATI	65	44	81	41	55	2	1.9	1.1	1.4	5.1	82	10.0	87	94	53	0	0	4	1	1	1	
OH CLEVELAND	63	42	76	32	53	6	1.7	1.0	1.0	4.5	99	7.9	90	86	50	0	1	5	1	1	1	
OH COLUMBUS	65	44	79	36	54	7	1.4	.6	.8	4.9	97	10.2	111	89	47	0	0	5	1	1	1	
OH DAYTON	63	44	79	38	53	3	2.4	1.6	1.4	6.0	114	11.0	116	88	54	0	0	5	1	1	2	

Based on 1961-90 normals.

Weather Data for the Week Ending April 16, 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		
TOLEDO	62	43	74	37	52	5	1.9	1.2	.9	5.3	126	10.1	130	89	56	0	0	5	2		
YOUNGSTOWN	62	42	78	31	52	6	3.8	3.1	1.4	9.2	153	13.4	151	92	49	0	0	6	3		
OK OKLAHOMA CITY	74	45	90	38	59	-1	1.1	1.5	1.5	4.3	108	7.1	106	84	37	1	1	1	1		
TULSA	74	48	85	39	61	0	2.2	1.4	1.7	6.9	131	9.8	112	80	45	0	0	2	2		
OR ASTORIA	57	42	65	37	49	1	.7	.4	.5	10.2	103	28.3	103	98	50	0	0	2	1		
BURNS	63	26	79	20	45	3	.0	.1	.0	1.5	40	1.3	42	78	22	0	6	0	0		
MEDFORD	73	41	86	36	57	6	.0	.3	.0	1.5	61	3.8	53	84	29	0	0	0	0		
FENDLETON	66	40	79	37	53	4	.4	.3	.2	1.0	54	4.2	96	70	26	0	0	0	0		
PORTLAND	65	42	76	36	54	3	.3	.3	.2	3.2	65	11.7	83	91	29	0	0	3	0		
SALEM	67	40	78	36	53	3	.3	.2	.2	4.4	78	12.9	80	90	28	0	0	1	0		
PA ALLENTOWN	66	45	86	41	55	6	2.1	1.3	.9	8.6	170	17.5	156	90	47	0	0	4	1		
ERIE	61	42	83	31	52	2	1.6	.8	.7	6.3	133	10.2	111	87	50	0	1	5	2		
HARRISBURG	69	49	86	45	59	8	1.1	.4	.6	7.9	159	16.7	156	89	53	0	1	4	1		
PHILADELPHIA	68	50	86	46	59	9	1.9	1.0	.9	9.2	167	16.7	139	89	43	0	0	4	2		
PITTSBURGH	66	44	82	34	55	6	2.4	1.7	1.1	8.1	160	14.2	141	87	43	0	0	6	2		
SCRANTON	63	43	85	36	53	5	2.8	2.1	.9	7.7	191	12.0	144	95	43	0	0	4	3		
RI PROVIDENCE	63	43	75	37	53	6	1.8	.8	.9	9.1	145	16.7	122	94	50	0	0	4	2		
SC CHARLESTON	83	61	87	56	72	7	.3	.3	.1	4.6	79	13.4	107	93	47	0	0	3	0		
COLUMBIA	84	57	87	49	71	8	.3	.5	.1	4.8	71	13.0	85	89	40	0	0	4	0		
FLORENCE	85	57	87	53	70	8	1.4	.7	1.0	5.8	103	12.8	103	95	46	0	0	2	1		
GREENVILLE	75	52	83	46	64	5	1.8	.9	1.2	6.6	88	14.3	89	93	43	0	0	5	1		
SD ABERDEEN	63	32	70	26	47	4	.2	.2	.2	1.0	48	2.2	69	85	24	0	4	1	0		
HURON	62	29	71	22	45	0	.5	.0	.5	.9	33	2.5	67	85	25	0	5	1	0		
RAPID CITY	62	31	78	25	47	2	1.1	.4	.1	.8	40	1.9	68	72	23	0	4	1	0		
SIOUX FALLS	59	33	67	27	46	0	1.1	.5	.7	1.6	56	3.2	79	91	31	0	3	3	1		
TN CHATTANOOGA	79	57	86	48	68	10	3.0	2.0	2.7	15.7	185	29.4	162	97	45	0	0	4	1		
KNOXVILLE	76	56	81	49	66	9	5.6	4.8	2.6	19.0	265	34.9	227	93	45	0	0	5	4		
MEMPHIS	79	60	84	49	70	7	1.0	.3	.7	9.5	113	19.3	118	83	36	0	0	2	1		
NASHVILLE	76	56	84	49	66	8	3.3	2.3	2.0	12.5	174	23.1	158	85	42	0	0	4	2		
TX ABILENE	78	51	91	40	65	0	1.4	1.0	1.4	1.5	68	3.4	76	85	28	1	0	1	1		
AMARILLO	68	39	84	34	53	-3	.4	.2	.3	1.6	114	2.7	108	72	30	0	0	2	0		
AUSTIN	81	60	85	50	71	2	.1	.4	.1	2.0	67	5.6	81	79	45	0	0	2	0		
BEAUMONT	79	64	83	54	72	3	1.4	.6	.8	6.8	138	15.1	115	97	64	0	0	3	1		
BROWNSVILLE	84	69	89	65	77	2	.7	.3	.7	2.5	213	5.0	130	94	51	0	0	2	1		
CORPUS CHRISTI	79	67	83	62	73	1	1.1	.3	.1	4.2	249	6.2	116	92	55	0	0	2	0		
DEL RIO	85	62	88	56	73	3	.5	.1	.5	3.0	137	5.7	122	73	38	0	0	1	0		
EL PASO	80	51	86	42	66	3	.0	.1	.0	.4	88	.6	51	36	15	0	0	0	0		
FORT WORTH	79	56	86	45	68	4	.1	.8	.1	2.1	44	5.6	62	82	37	0	0	1	0		
GALVESTON	74	66	77	60	70	2	.5	.1	.3	2.4	70	4.9	55	99	79	0	0	3	0		
HOUSTON	80	63	83	52	72	4	.7	.1	.4	3.5	73	8.4	69	95	57	0	0	4	0		
LOBBOCK	76	45	88	36	60	0	.3	.1	.3	.4	35	1.0	43	83	18	0	0	2	0		
MIDLAND	81	47	91	34	64	-1	.7	.1	.7	.7	0	1.1	62	85	15	1	0	0	0		
SAN ANGELO	84	54	95	41	69	3	.7	.4	.7	.7	2	2.1	59	82	23	2	0	0	0		
SAN ANTONIO	82	61	87	51	71	3	.4	.2	.3	5.5	206	7.6	124	83	47	0	0	3	0		
VICTORIA	80	65	83	58	72	3	.1	.5	.1	5.2	147	7.4	77	91	51	0	0	3	0		
WACO	79	56	83	44	67	1	.5	.2	.5	3.0	78	7.7	101	91	49	0	0	1	1		
WICHITA FALLS	77	49	92	39	63	0	.2	.4	.2	1.3	33	3.2	44	79	32	1	0	1	0		
UT CEDAR CITY	65	34	77	29	50	3	.3	.0	.3	1.9	95	3.2	91	76	28	0	2	1	0		
SALT LAKE CITY	62	39	76	35	50	1	.2	.3	.2	3.1	103	5.3	98	78	33	0	0	1	0		
VT BURLINGTON	60	38	76	27	49	6	1.0	.3	.7	5.7	156	9.1	129	86	42	0	2	2	1		
VA NORFOLK	78	58	85	51	68	12	.4	.3	.3	10.9	205	18.6	148	81	47	0	0	2	0		
RICHMOND	77	55	84	50	66	9	.8	.1	.4	9.0	174	16.5	142	79	22	0	0	3	0		
ROANOKE	73	52	82	48	63	8	.8	.1	.5	6.8	131	16.7	154	82	38	0	0	5	0		
WA QUILLAYUTE	56	41	62	37	48	3	1.2	.6	.6	16.2	102	44.0	103	99	48	0	0	5	1		
SEATTLE-TACOMA	60	43	72	37	51	3	.3	.3	.2	5.2	105	12.2	85	85	43	0	0	2	1		
SPOKANE	60	38	75	27	49	4	.7	.3	.7	.7	32	2.9	52	80	32	0	1	0	0		
YAKIMA	67	35	76	30	51	2	.0	.1	.0	.7	73	2.1	73	83	28	0	4	0	0		
WV BECKLEY	68	49	79	44	59	8	1.4	.6	.9	9.4	183	19.3	175	89	46	0	0	6	1		
CHARLESTON	75	52	89	48	64	10	2.0	1.2	.9	10.6	198	22.6	200	89	36	0	0	6	1		
HUNTINGTON	72	50	85	46	61	9	2.0	1.1	1.4	11.3	209	21.2	184	89	40	0	0	4	1		
PARKERSBURG	69	45	82	42	57	4	3.8	3.0	2.0	9.7	169	21.0	178	91	37	0	0	5	2		
WI GREEN BAY	57	37	71	30	47	4	1.1	.5	.6	3.1	93	5.7	103	92	55	0	1	2	2		
LACROSSE	57	38	71	32	48	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0	.0		
MADISON	59	40	73	34	49	4	1.0	.2	.5	1.7	44	5.9	98	87	37	0	1	.0	.0		
MILWAUKEE	55	41	68	37	48	5	.9	.0	.7	2.1	47	7.8	103	84	51	0	0	4	1		
WISCONSIN MADSAU	55	34	69	29	45	2	.7	.1	.6	1.5	45	3.0	58	88	37	0	2	2	1		
WY CASPER	63	31	80	21	47	5	.7	.3	.7	.8	45	2.2	78	76	21	0	4	1	0		
CHRYSTENNA	55	31	71	26	43	2	.4	.1	.3	1.2	70	2.7	111	77	36	0	5	3	0		
LANDER	61	32	77	25	47	4	.5	.0	.5	2.0	93	3.3	103	71	24	0	3	1	1		
SHERIDAN	64	31	82	23	48	5	.1	.3	.1	1.5	87	4.5	141	80	24	0	4	1	0		

Based on 1961-90 normals.

## CUMULATIVE GROWING DEGREE DAYS (CORN\*) March 1 - April 16, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	536	+ 76	RUSSELL	332	+ 105	YOUNGSTOWN	108	+ 22
BIRMINGHAM	519	+ 56	SALINA	335	+ 102	ZANESVILLE	153	0
MOBILE	657	+ 27	TOPERA/BILLARD	311	+ 82	OK ALTUS	495	+ 9
HOOVER	628	+ 108	WICHITA	356	+ 56	GAGE	435	+ 90
MUSCLE SHOALS	447	+ 61	KY LEXINGTON	231	+ 11	HOBART	454	+ 70
OZARK	648	+ 40	BOWLING GREEN	324	+ 44	MCALISTER	513	+ 93
TUSCALOOSA	561	+ 53	PADUCAH	326	+ 25	PONCA CITY	438	+ 119
AZ DOUGLAS	582	+ 80	LA LAFAYETTE	675	+ 18	OR TULSA	450	+ 76
FLAGSTAFF	165	+ 65	LAKE CHARLES	690	+ 80	BAKER	207	+ 114
PHOENIX	799	+ 146	MCNROE	601	+ 70	EGGERS	252	+ 95
TUCSON	708	+ 130	NEW ORLEANS	690	+ 23	NORTH BEND	179	+ 75
YUMA	966	+ 215	SHERVEPORT	597	+ 6	PENDLETON	251	+ 102
PRESCOTT	330	+ 82	ME AUGUSTA	33	+ 20	REDMOND	198	+ 68
AR EL DORADO	540	+ 43	CARIBOU	19	+ 17	PORTLAND	269	+ 118
FAYETTEVILLE	404	+ 84	HOULTON	27	+ 22	SALEM	286	+ 134
FORT SMITH	497	+ 100	PORTLAND	34	+ 16	SEXTON SUMMIT	99	+ 45
JONESBORO	397	+ 37	MD SALISBURY	301	+ 109	PA ALLENTOWN	131	+ 26
LITTLE ROCK	476	+ 28	MA WORCESTER	60	+ 23	PHILADELPHIA	208	+ 70
TEXARKANA	549	+ 47	MI GRAND RAPIDS	82	---	WILLIAMSPORT	125	+ 34
CA BAKERSFIELD	622	+ 126	JACKSON	94	+ 20	SC BEAUFORT	711	+ 153
BLUE CANYON	97	+ 36	LANSING	93	+ 12	CHARLESTON	680	+ 158
DAUGGETT	709	+ 163	MUSKOGON	51	+ 9	COLUMBIA	659	+ 162
KUREKA	204	+ 113	PELLSTON	27	+ 11	FLORENCE	640	+ 161
FAIRFIELD	564	+ 170	SAULT STE. MARIE	7	0	SD SUMNER/SHAW AFB	589	+ 67
FRESNO	593	+ 164	TRAVERSE CITY	47	+ 14	ABERDEEN	100	+ 48
MARYSVILLE	541	+ 120	MN DULUTH	24	+ 14	HURON	126	+ 45
MT SHASTA	225	+ 99	INT'L FALLS	39	+ 24	PIERRE	172	+ 78
PASO ROBLES	570	+ 167	MINNEAPOLIS	70	---	RAPID CITY	216	+ 105
RED BLUFF	496	+ 115	ROCHESTER	60	---	SIoux FALLS	118	+ 37
RIVERSIDE	512	+ 4	ALEXANDRIA	48	+ 19	WATERLOO	66	+ 19
SANTA ANA	667	+ 168	MS BILOXI	649	+ 21	TN BRISTOL	303	+ 37
SAN DIEGO	527	+ 72	COLUMBUS	605	+ 131	CHATTANOOGA	417	+ 65
SACRAMENTO	505	+ 127	JACKSON	535	+ 18	CROSSVILLE	320	+ 99
THERMAL	859	+ 112	MERIDIAN	616	+ 78	MEMPHIS	489	+ 95
CO ALAMOSA	121	+ 32	GREENWOOD	552	+ 79	NASHVILLE	382	+ 49
DENVER	277	+ 103	MO COLUMBIA	259	+ 60	TX ABILENE	610	+ 74
EAGLE	101	+ 17	JOPLIN	365	+ 74	AMARILLO	399	+ 60
GRAND JUNCTION	284	+ 64	SPRINGFIELD	336	+ 65	AUSTIN	723	+ 68
LA JUNTA	357	+ 82	VICHY	272	+ 39	BROWNSVILLE	953	+ 13
DE DOVER	194	- 13	NE HELENA	164	+ 95	COLLEGE STATION	681	+ 48
WILMINGTON	198	+ 55	KALISPELL	99	+ 44	DALHART	385	+ 67
FL DAYTONA BEACH	853	+ 97	MILES CITY	179	+ 86	DEL RIO	831	+ 81
FORT MYERS	1049	+ 120	NE GRAND ISLAND	238	+ 86	DALLAS/FT WORTH	616	+ 62
GAINESVILLE	771	- 6	NORFOLK	222	+ 106	GALVESTON	736	+ 99
JACKSONVILLE	763	+ 101	NORTH PLATTE	269	+ 114	HOUSTON/INTCNL	740	+ 88
FORT LAUDERDALE	1182	+ 172	VALENTINE	213	+ 78	KINGSVILLE/NAS	915	+ 23
MIAMI	1188	+ 131	SCOTTSBLUFF	249	+ 99	LARDO	970	+ 53
MILTON	654	+ 15	SD SIOUX	226	+ 94	LUBBOCK	520	+ 92
PENSACOLA	677	+ 55	NV ELKO	200	+ 92	MCALLEN	1035	+ 104
ST PETERSBURG	954	+ 52	ELY	163	+ 71	MIDLAND	602	+ 18
TALLAHASSEE	755	+ 101	LAS VEGAS	696	+ 195	PALACIOS	725	+ 24
TAMPA	949	+ 114	RENO	331	+ 118	SAN ANTONIO	791	+ 90
VERO BEACH	995	+ 128	WINNEMUCCA	303	+ 127	VICTORIA	758	+ 59
GA W. PALM BEACH	1076	+ 52	NH CONCORD	76	+ 30	WACO	628	+ 39
ATHENS	537	+ 129	NJ NEWARK	166	+ 55	WICHITA FALLS	524	+ 41
AUGUSTA	636	+ 140	NM ALBUQUERQUE	393	+ 36	WINK	647	+ 75
BRUNSWICK	719	+ 131	CARLSBAD	652	+ 130	UT CEDAR CITY	251	+ 88
COLUMBUS/METRO	638	+ 111	CLOVIS	411	+ 51	VT BARRE - MONTPELIER	30	+ 14
MACON	665	+ 126	GALLUP	270	+ 75	BURLINGTON	49	+ 25
SAVANNAH	743	+ 162	TRUTH OR CONSEQ.	470	+ 52	VA CHARLOTTESVILLE	333	+ 81
ID BOISE	275	+ 138	NY ALBANY	75	+ 19	HAMPTON/LANGLEY	391	+ 138
BURLEY	237	+ 127	ELMIRA	94	+ 28	LYNCHBURG	304	+ 57
IDAHO FALLS	154	+ 96	GLENS FALLS	55	+ 21	NORFOLK	438	+ 166
POCATELLO	190	+ 117	POUGHKEEPSIE	100	+ 23	RICHMOND	384	+ 84
IL BELLEVILLE	253	+ 19	ROCHESTER	87	+ 32	WA BELLINGHAM	156	+ 94
CHICAGO/MIDWAY	134	+ 37	SYRACUSE	76	+ 27	HOQUIAM	155	+ 81
DECATUR	163	- 19	UTICA	41	+ 8	SEATTLE - TACOMA	185	+ 102
PEORIA	173	+ 50	WATERTOWN	75	+ 43	SPOKANE	139	+ 79
ROCKFORD	117	+ 45	NC ASHEVILLE	316	+ 24	TACOMA	191	+ 75
SPRINGFIELD	195	+ 32	FAYETTEVILLE	526	+ 116	WALLA WALLA	283	+ 116
QUINCY	177	+ 26	GREENSBORO	385	+ 69	WENATCHEE	270	+ 93
IN INDIANAPOLIS	160	+ 5	HICKORY	388	+ 76	YAKIMA	278	+ 95
SOUTH BEND	123	+ 35	RALEIGH	453	+ 98	WV HUNTINGTON	274	+ 34
TERRE HAUTE	175	+ 17	WILMINGTON	562	+ 154	MARTINSBURG	209	+ 29
IA DES MOINES	189	+ 41	NEW BERN	504	+ 87	MORGANTOWN	205	+ 22
MASON CITY	114	+ 50	ND BISMARCK	93	+ 39	WI EAU CLAIRE	56	+ 9
OTTUMWA	175	+ 60	DICKINSON	96	+ 43	GREEN BAY	52	+ 20
STOIX CITY	184	---	JAMESTOWN	48	+ 9	LACROSSE	80	+ 21
WATERLOO	127	---	MINOT	69	+ 33	MADISON	100	+ 39
KS CHANUTE	321	+ 51	GRAND FORKS	51	+ 26	WAUSAU	45	+ 16
DODGE CITY	346	+ 86	OH AKRON - CANTON	112	+ 11	WY CASPER	194	+ 122
GARDEN CITY	351	+ 85	COLUMBUS	164	+ 12	LANDER	150	+ 83
GOODLAND	292	+ 96	DAYTON	148	+ 6	SHERIDAN	172	+ 82
MEDICINE LODGE	406	+ 65	FINDLAY	107	+ 8	WORLAND	220	+ 107

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

April 11 - 17, 1994

Row crop planting and spring tillage slowed as rains saturated fields in the middle Mississippi and Ohio Valleys. A wet week for Illinois and Missouri resulted in flooding of some low-lying fields, where levees damaged from last year's flood were breached. The rains improved the prospects for winter wheat in the central Great Plains. Above-normal temperatures for the week resulted in small grains breaking out of dormancy in the upper High Plains. Fieldwork is behind schedule in the Ohio and Tennessee Valleys due to continuing wet soil conditions. Warm, dry weather for the Pacific Coast spurred field activities and ground preparation. Florida remained dry during the fruit set period, requiring round-the-clock irrigation in the groves. Crop progress for spring and winter wheat was behind the 5-year average, with all other commodities either on or ahead of schedule.

**SMALL GRAINS:** The winter wheat crop was in mostly good to fair condition for the Nation. The late-week warming trend roused winter wheat out of dormancy in Montana, where 55 percent(%) of the wheat crop was greening, and 37% was growing. Both North Dakota and Minnesota had approximately 50% of their fall-seeded small grains still dormant. In the Texas High Plains, some wheat fields showed signs of freeze damage, while further south, stress from dry conditions was reported for some fields. Kansas wheat was 45% jointing, with freeze damage reported as light. The precipitation improved the Kansas wheat condition from last week's rating to mostly good. Dry conditions in California continued, where some small grain fields were disced under. Wheat headed in the 19 major producing States was 5%, 1 percentage point behind the average.

Spring wheat seeding was 9% complete, 7 points below the 5-year average. Idaho was ahead of schedule again this week, while the other four States waited for warmer weather and remained behind the 5-year average.

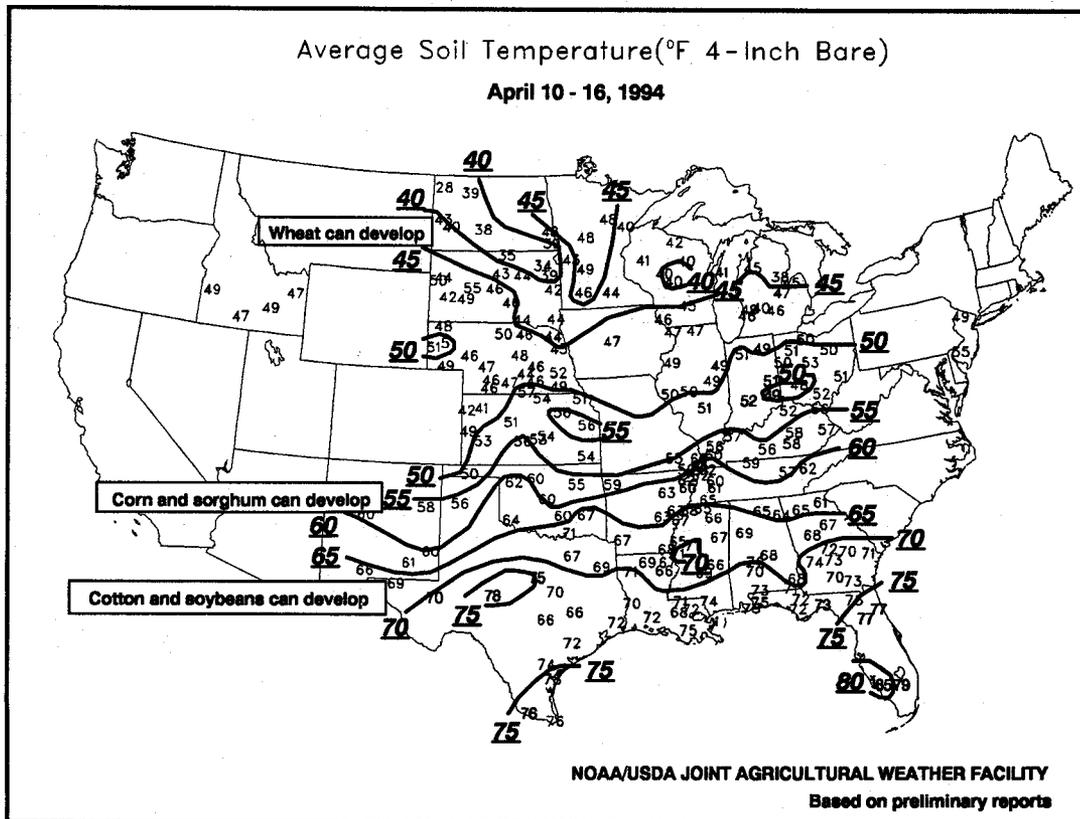
**FIELD CROPS:** Corn planted was 5% complete for the Nation, keeping pace with the 5-year average. Most of the progress was made by Georgia, North Carolina, and Texas. Corn planting in Georgia was slowed by the rain but stayed ahead of schedule. Wet

field conditions in the Central United States slowed planting and field preparation. Planting lagged 10 and 5 points behind normal in Kansas and Missouri, respectively.

Cotton planting was 14% complete, 1 point ahead of the average for the 14 major producing States. Warm, dry weather in California allowed cotton planting to advance for the week by 35 points, to 45%, 9 points behind normal. Arizona cotton planting gained 16 points for the week, putting the State ahead of last year and tied with the 5-year average. Some cotton fields in east Texas received treatment for flea hoppers, while some damage from blowing sand was reported in the Coastal Bend area.

Sorghum planting was 21% complete, 4 points ahead of normal. Planting was ahead of schedule in Arkansas, Mississippi, and Texas. Rains hindered planting progress in Louisiana to 9%, 13 points behind the 5-year average. Some Texas producers held off planting sorghum due to lack of soil moisture. Mississippi sorghum is 21% emerged, 14 points ahead of the 5-year average.

Rice seeding was 24% complete, 2 points ahead of schedule. All States reported progress except California. Texas and Louisiana have planted over half their rice crop, with 37% of the Louisiana rice crop emerged.



**Crop Progress**  
for the Week Ending April 17, 1994

**COTTON**  
(Percent Planted)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
AL	5	2	7	16
AZ	54	38	38	54
AR	0	0	0	0
CA	45	10	45	54
GA	6	2	5	3
LA	1	0	1	4
MS	4	0	0	3
MO	0	0	0	0
MI	20	10	31	44
NC	2	0	0	0
OK	0	0	1	1
SC	4	0	3	3
TN	0	0	0	1
TX	18	16	14	13
14 Sts	14	9	12	13

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

**SPRING WHEAT**  
(Percent Planted)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
ID	69	60	8	46
MT	6	1	1	14
ND	13	1	3	16
SD	1	0	1	9
5 Sts	9	2	2	16

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

**CORN**  
(Percent Planted)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
CO	2	0	0	1
GA	92	84	66	82
IL	0	0	0	4
IN	0	0	0	2
IA	3	0	0	0
KS	5	5	3	15
KY	2	1	3	8
MI	0	0	0	0
MN	0	0	0	0
MO	7	6	2	12
NE	1	0	1	0
NC	48	20	18	31
OH	1	0	0	2
PA	0	0	0	0
SD	0	0	0	0
TX	61	56	48	61
WI	0	0	0	0
17 Sts	5	3	3	5

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

**RICE**  
(Percent Planted)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
AR	9	5	3	13
CA	0	0	0	0
LA	51	40	39	46
MS	4	14	5	17
TX	57	47	21	49
5 Sts	24	16	12	22

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

**Crop Condition**  
(Percent)

for the Week Ending April 17, 1994

**WINTER WHEAT**  
(Percent Headed)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
AR	5	1	6	12
CA	70	45	75	70
CO	0	0	0	0
GA	86	43	20	55
ID	0	0	0	0
IL	0	0	0	1
IN	0	0	0	0
KS	0	0	0	1
KY	0	0	0	0
MO	0	0	0	0
MT	0	0	0	0
NE	0	0	0	0
NC	18	8	3	19
OH	0	0	0	0
OK	5	1	1	13
OR	0	0	0	0
SD	0	0	0	0
TX	21	11	9	16
WA	0	0	0	0
19 Sts	5	3	3	6

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

**GRAIN SORGHUM**  
(Percent Planted)

State	Week Ending			
	Apr 17, 1994	Apr 10, 1994	Apr 18, 1993	1989-1993 Avg.
AR	14	11	7	12
CO	0	0	0	0
IL	0	0	0	0
KS	0	0	0	0
LA	9	5	2	22
MS	38	17	6	18
MO	0	0	0	0
NE	0	0	0	0
MN	0	0	0	2
OK	1	1	2	3
SD	0	0	0	0
TX	62	57	46	50
12 Sts	21	19	16	17

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

**WINTER WHEAT**

State	VP	P	F	G	EX
AR	0	0	42	58	0
CA	0	0	10	70	20
CO	0	3	13	53	31
GA	0	0	12	79	9
ID	0	1	24	63	12
IL	3	12	50	33	2
IN	0	6	43	45	6
KS	0	1	35	60	4
MI	5	10	25	45	15
MO	3	13	57	27	0
MT	1	5	26	53	15
NE	0	6	25	61	8
NC	0	2	11	79	8
OH	1	5	23	57	14
OK	0	8	35	57	0
OR	0	6	27	58	9
SD	1	6	47	42	4
TX	2	28	56	13	1
WA	0	5	44	46	5
19 Sts	1	8	36	49	6
Prev Wk	1	6	41	48	4
Prev Yr	0	2	21	56	21

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

(continued from front cover)  
central High Plains, as well as the first 1-inch rainfall of the spring to the western Corn Belt. In addition to the aforementioned river flooding, widespread flash flooding occurred in northeastern Oklahoma, southeastern Kansas, Missouri, and Illinois, and throughout the Ohio River Valley, including the Wabash and Tennessee Basins. Rainfall topped 5 inches in locations such as Springfield, MO and Knoxville, TN, while nearly 5 inches deluged St. Louis, MO and Springfield, IL. On Friday, a fast-moving cold front dumped additional rainfall, especially in the Tennessee Valley, and also spawned more than 40 tornadoes across the Midwest, including 11 in Kentucky, and 7 in Missouri and Indiana. In all, at least 5 deaths and more than 400 incidences of severe weather (large hail, wind damage, or tornadoes) were reported between Thursday night and Saturday morning.

Except for a brief shot of chilly air that the major storm dragged into the Rockies and High Plains, temperatures averaged well

above normal nationwide. Some wet snow accompanied the chill, resulting in a short-lived 6-inch snow cover on Tuesday morning at Limon, CO, Goodland, KS, and Broken Bow, NE. Farther east, warm weather preceded both cold fronts. On Monday, daily record highs included 86°F in Chattanooga, TN and 87°F in Columbus, GA. Record warmth returned on Friday, resulting in more than a dozen daily records. For much of the Northeast it was the warmest day so far this spring. The mercury reached 87°F in New York at Buffalo and Syracuse. However, sharply cooler air returned by week's end, accompanied by blustery northwesterly winds. Peak gusts included 61 miles per hour (mph) at Cedar Rapids, IA and 58 mph in Ann Arbor, MI. But in the West, a heat wave commenced. Temperatures soared above 100°F for the first time this year in the Southwest on Saturday. Yuma, AZ measured 104°F. Farther north, Bakersfield, CA tied a daily record on Friday (97°F). Heat spread into the High Plains at week's end, sending temperatures to 82°F in Billings, MT and Sheridan, WY.

## 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 1.06 to 4.86 in. north; 1.44 to 2.85 in. central; 2.60 to 5.03 in. south. Temperatures 1° below normal to 6° above normal statewide. Lows 38 to 46° north; 38 to 50° central; 43 to 54° south. Highs 82 to 85° north; 83 to 89° central; 82 to 89° south.

Days suitable for fieldwork 3.8. Soil moisture 44% adequate, 56% surplus. Percent acreage prepared 65%, 59% 1993, 62% avg. Corn planted 48%, 45% 1993, 62% avg. Sorghum planted 4%, 4% 1993, 12% avg. Wheat headed 32%, 24% 1993, 48% avg.; turning color 3%, 3% 1993, 8% avg.; 37% fair, 63% good. Pasture 40% fair, 53% good, 7% excellent. Livestock 34% fair, 66% good. Seasonal activities: Spring plowing, planting of cotton, peanuts, sorghum, vegetables.

**ARIZONA:** Temperatures above normal; normal to 4° above. Extremes 23°; 84° higher elevations; 34°; 104° deserts. Precipitation reported higher elevations; none to 0.32 in.

Cotton planting active last week; to date 54%, 38% 1993, 54% avg. Small grain jointing 100%, 99% 1993, 99% avg.; heading 90%, 83% 1993, 86% avg.; turning color 36%, 23% 1993, 24% avg. Condition mostly good. Alfalfa condition continues mostly good. Harvest progress moderate. Weed infestations light to moderate; insect, disease infestations mostly moderate. Citrus harvest continues. Grapefruit, lemons, valencia oranges available central, western groves. Winter vegetable harvest slowing. Available from western, central areas: Boston, iceberg, leaf, romaine lettuce. Salad savoy also available western area. Central crops available included beets, broccoli, cabbage, carrots, cauliflower, green onions, kohlrabi, leeks, mixed greens, radishes, rappini, rutabagas, swiss chard, spinach, turnips. Tomatoes available eastern areas.

**ARKANSAS:** Temperatures 5 to 6° above normal. Extremes 32°; 89°. Precipitation 0.42 to 3.29 in.

Days suitable for fieldwork 4. Soil moisture supplies 3% short, 55% adequate, 42% surplus. Report of rust on wheat. Crop development generally on schedule. Corn planted 65%, 22% 1993, 43% avg 43%. Peaches, apples, strawberries mostly good. Fertilization, liming, weed control of pastures ongoing. Pasture 1% poor, 40% fair, 57% good, 2% excellent. Alfalfa 62% fair, 38% good. Other hay 7% poor, 47% fair, 46% good. Livestock mostly good. Vaccination, deworming continuing for cattle.

**CALIFORNIA:** Northern half of State scattered rain. Strong high pressure brought temperatures above normal to nearly every station.

Good progress field activities despite scattered showers central, north. Irrigated small grains grew rapidly; dryland fields showed moisture stress. Some dryland wheat, barley disced under, lack of rain. Rice growers prepared ground for planting. Cotton planting full swing all growing areas, good germination, emergence. Desert cotton sprayed thrips. Planting corn for grain, silage. Garbanzo beans, new crop sugarbeets irrigated, weeded, treated aphids. Harvest over-wintered sugarbeets increased. Alfalfa, oats, forage mixes cut hay, greenchopped. Alfalfa treated weeds, weevils. Orchard activities: Fungicide treatment, weed control, irrigation. Stone fruit growers thinning heavy fruit set. Grape growers discing weeds, mildew spraying, suckering, bunch thinning. Walnut blight treatment active. Navel orange harvest 85% picked; quality deteriorating. Valencia orange picking desert area. Lemon harvest active south coast area. New crop citrus bloomed. Strawberry harvest active San Joaquin Valley, central coast, southern State. Harvest asparagus continued San Joaquin Valley good quality, volume. Broccoli harvest light along central coast, started to slow down Fresno County. Cabbage harvested Fresno County. Carrots packed Kern County. Head Lettuce harvest central valley, Riverside County had good quality, slowed down due low prices. Leaf lettuce Fresno County winding down. Onion harvest began Palo Verde Valley. Melons, peppers being planted throughout central valley. Potatoes planted Riverside County, while Kern

County reported good growth. Sweet potato beds prepared Fresno County. Squash blooming, setting fruit, while sweet corn planted Tulare County. Fresh market tomatoes planted San Joaquin Valley, were staked Tulare County. Vegetable hot caps removed. Other crops being harvested: Turnips, taro root, oriental vegetables. Range, pasture good condition; grasses have dried rapidly. Livestock movement to summer pastures expected earlier than usual. Water supplies about normal, light snowpack could restrict future water supplies. Cattle, sheep in good condition.

**COLORADO:** Moist storm system pushed over the State on the 9th through the 11th. Most of the State received significant precipitation; Arkansas, Kansas River Basins had the most, with generally 1.00 to 2.00 in. West of the Divide, precipitation totals were mostly around 0.50 in. Heavy, wet snow fell over the northeast on the 11th, with 6 to 12 in. common. High pressure entered the State by the 12th. Northern, central mountains, along with the Front Range experienced gusty west winds on the 12th. A weak Pacific front pushed across the State through the 14th, bringing widely scattered rain showers across the north. Warm, dry high pressure dominated on the 15th. Temperatures were a bit below normal due to the wet cool conditions early in the period.

Days suitable for fieldwork 2.5. Soil moisture 1% very short, 10% short, 76% adequate, 13% surplus. Spring barley 42% seeded, 43% 1993, 45% avg.; 15% emerged, 8% 1993, 19% avg. Oats 48% seeded, 30% 1993, 42% avg.; 29% emerged, 6% 1993, 18% avg. Dry onions 76% planted, 39% 1993, 62% avg.; 12% fair, 65% good, 23% excellent. Sugarbeets 87% planted, 41% 1993, 49% avg. Spring wheat 19% planted, 15% 1993, 23% avg.; 6% emerged, 2% 1993, 5% avg. Corn 2% planted, 0% 1993, 1% avg. Summer potatoes 55% planted, 20% 1993, 23% avg. Winter wheat 6% pastured, 5% 1993, 5% avg.; 6% jointed, 9% 1993, 10% avg. Winter wheat 3% poor, 13% fair, 53% good, 31% excellent. Cows calved 83%, 79% 1993, 77% avg. Ewes lambed 84%, 81% 1993, 82% avg. Calving, lambing losses reported less than average. Livestock good to excellent. Pasture, range feed condition mostly fair.

**FLORIDA:** Temperatures 2 to 8° above normal. Highs; mid 80s to low 90s. Lows; mid 40s north to low 70s southeast coast. Rain 1 to 4 days most locations. Rainfall less than 0.25 in. central, southwest, 1.00 to 7.00 in. north.

Soil moisture adequate to surplus Panhandle, Peninsula mostly short, scattered adequate areas. Some flooding in Panhandle. Peanut planting, start of cotton planting delayed in Panhandle. Pecan trees leafed out. Sugarcane making good progress. Rain needed all areas, irrigation being used around the clock to maintain good tree condition during the fruit set period. Non irrigated groves showing stress. All trees naturally dropping unwanted little green fruit. Valencia harvest active all areas. Grapefruit movement slowing. Temple, Honey tangerine harvest almost over. Caretakers cutting cover crops, irrigating, hedging, topping, post bloom spraying. Growing conditions excellent past week. Generally hot, humid in major vegetable production areas. Showers scattered, rain light. Irrigation active. Watermelon harvest started in southwest. Leading vegetable shipments: tomatoes, potatoes, sweet corn, peppers, cucumbers. Also available: Snap beans, cabbage, carrots, celery, chinese cabbage, eggplant, escarole, iceberg lettuce, leaf lettuce, romaine, specialty lettuces, radishes, squash, cherry tomatoes. Pasture feed 15% poor, 60% fair, 25% good. Cattle herds fair to good condition.

**GEORGIA:** Temperatures 2 to 6° above normal. Warmest highs 80s most locations. Coolest lows mid 30s mountains, low to mid 40s north, central, upper 40s to low 50s south. Rain 2 to 4 days most locations. Rain totals less than 0.70 in. east central, southeast. Rest of the State 1.00 to 5.00 in., with most locations between 2.00 to 4.00 in. Greatest amount of rain 5.13 in. at Nottely Dam, Union County.

Days suitable for fieldwork 4.4. Soil moisture 22% very short, 66% short, 12% adequate. Corn 19% fair, 75% good, 6% excellent; Planting slowed by showers, remaining acreage in north. Cotton 43%

fair, 57% good. Sorghum 5% planted, 8% 1993, 8% avg. Peanuts 4% planted, 5% 1993, 4% avg.; major planting to begin couple of weeks. Tobacco 23% fair, 73% good, 4% excellent; 86% transplanted, 71% 1993, 86% avg.; transplanting slowed by showers. Wheat 12% fair, 79% good, 9% excellent; 100% jointing, 95% 1993, 98% avg.; 98% boot, 63% 1993, 84% avg. Other small grains 15% fair, 77% good, 8% excellent. Onions 5% fair, 90% good, 5% excellent; 4% harvested, 0% 1993, 3% avg. Watermelons 5% poor, 54% fair, 41% good; 86% planted, 69% 1993, 82% avg. Other vegetables 35% fair, 62% good, 3% excellent. Apples 1% fair, 99% good; 69% blooming, 16% 1993, 71% avg. Peaches 23% fair, 77% good; 99% blooming, 99% 1993, 99% avg. Pasture 1% poor, 19% fair, 73% good, 7% excellent. Cattle, hogs good.

**HAWAII:** Large, high pressure system north of State provided mostly sunny weather with some rain windward areas, winds 15 to 30 mph during week. Temperatures mid 60s to low 80s. Rainfall varied none to 5.90 in.

Most crops made good progress during week with generally favorable weather. Pineapple production beginning seasonal upswing. Papaya supplies declining. Ginger root harvesting winding down, planting for next season's crop active. Watermelon harvesting underway, light supplies. Sugarcane harvesting active.

**IDAHO:** Temperatures at normal to 7° above normal. Precipitation 0.07 to 0.80 in north, none to 0.22 in. southwest, none to 0.41 in. south central, none to 0.40 in. east.

Days suitable for fieldwork 6. Soil moisture 1% very short, 24% short, 73% adequate, 2% surplus. Potatoes planting 13%, 2% 1993, 6% avg. Spring barley planted 55%, 7% 1993, 42% avg.; emerged 16% 0% 1993, 17% avg. Oats planted 36%, 4% 1993 29% avg. Sugarbeets planted 85%, 7% 1993, 60% avg.; emerged 26%, 0% 1993, 16% avg. Onions planted 100%, 9% 1993, 70% avg.; emerged 43%, 0% 1993, 11% avg. Dry edible peas planted 15%, 1% 1993, 27% avg. Lentils planted 22%, 9% 1993, 26% avg. Irrigation water supplies 5% poor, 18% fair, 70% good, 7% excellent. Hay, roughage supplies 1% poor, 91% fair, 8% good. Activities: Planting potatoes, small grains, branding, fencing. Livestock good with calving 94% complete, lambing 96% complete.

**ILLINOIS:** It was a wet week for producers, one that produced heavy rain, flooding in sections of the State. Temperatures 2 to 7° above normal. Highs low 60s north to low 70s south. Lows mid 40s to low 50s. Most of State received at least 1.00 or 2.00 in. of rain. Parts of central, southern areas had heavy rain totaling several inches.

Days suitable for fieldwork 1.75. Soil moisture 49% adequate, 51% surplus. Oats planted 68%, 7% 1993, 53% avg. Pasture condition 94% of normal. Alfalfa condition 40% fair, 60% good. Freeze damage to the 1994 apple crop was reported as 17% moderate, 33% light, 50% more. Peach crop damage was reported as 31% severe, 17% moderate, 17% light, 35% none. The most notable freeze damage occurred during late January. Farm activities were limited to the northern two districts early in the week, consisted of seeding oats, spreading fertilizer, secondary tillage, some corn planting. Thousands of acres were flooded this past week when many rivers overflowed their banks; levees were breached, floodwater poured through levees which were yet to be repaired from last year's flood. Some of these acres had already been prepared for planting.

**INDIANA:** Temperatures 0 to 7° above normal for the week with most areas 2 to 5° above normal. Highs were around 60° to lower 70s in the far south while average lows were mostly in the 40s. Precipitation 1.00 to 6.00 in. A stretch from Lafayette to Fort Wayne had 3.00 to 6.00 in. while the Ohio River Valley recorded less than an inch of rain. Daily average 4-inch soil temperatures under bare ground averaged in the 40 to 48° range across State.

Livestock doing well. Spring tillage came to a stop due to heavy rains. Pastures conditions improved. Main activities: Purchasing supplies, equipment setup, maintenance, farm program sign up.

**IOWA:** Temperatures 2 to 4° above normal. Extremes 30°; 85°. Strong storm systems brought widespread rains 12th, 14th; scattered large hail, high winds on night of 14th. Precipitation 0.33 to 2.91 in.; State average 1.12 in. (normal 0.74 in.).

Days suitable for fieldwork 3.8 Topsoil 12% short, 77% adequate, 11% surplus. Subsoil 1% short, 87% adequate, 12% surplus. Oats sown 95%, 1% 1993, 58% avg.; emerged 18%, 0% 1993, 9% avg. Fertilizer application 78%, 21% 1993, 55% avg. Primary seedbed preparation 76%, 22% 1993, 56% avg. Hay, roughage availability 33% short, 67% adequate. Winter wheat 1% very poor, 6% poor, 38% fair, 52% good, 3% excellent. Pasture 2% very poor, 15% poor, 54% fair, 26% good, 3% excellent. Conditions have been good for livestock. Spring's weather has been a pleasure for livestock producers with no mud to deal with. After a slow start, pastures started providing some forage for livestock as some producers have started moving cattle out to pasture.

**KANSAS:** Temperatures across the State normal to 3° below normal. Precipitation moderate to heavy, ranged from 1.04 in. southwest to 5.41 in. southeast.

Days suitable for fieldwork 1.0. Topsoil moisture 4% short to very short, 66% adequate, 30% surplus. Subsurface moisture 5% short to very short, 80% adequate, 15% surplus. Freeze damage to wheat as a result of low temperatures during the past 2 weeks is reported as mostly light. Damage is rated as moderate in several counties of the southwestern quarter of the State. Additional soil moisture received the past week has improved wheat condition. Wheat jointing 45%, 15% 1993, 45% avg. Disease, insect infestations remain light, however, moderate infestations of Russian wheat aphids reported in the southwestern district. Light wheat streak mosaic is reported in central, western areas. Corn planting advanced only slightly in some districts, remained unchanged from the previous week at the State level. Corn planted 5%, 3% 1993, 15% avg. Wet fields kept farmers out of the field. With dry weather, planting will progress rapidly. Oats planted 98%, 55% 1993, 90% avg. Pasture, ranges mostly fair to good. Cattle receiving 35% roughage requirements from pastures. Some prescribed burning of pastures is occurring.

**KENTUCKY:** Mild, wet weather. Temperatures 6 to 7° above normal, highs in the 70s, lows in the 50s. Highs topped 80° by weekend. Rainfall above normal, 1.00 to 2.00 in. in many areas.

Days suitable for fieldwork 1.6. Soil moisture 12% adequate, 88% surplus. Fieldwork a week to 9 days behind schedule. Tobacco beds 87% seeded, 78% 1993, 92% avg. Plants up 55%, 29% 1993, 56% avg. Wheat 2% poor, 29% fair, 63% good, 6% excellent. Barley 24% fair, 75% good, 1% excellent. Tobacco plants in beds 1% very poor, 1% poor, 41% fair, 53% good, 4% excellent. Pasture fair to mostly good, need sunshine.

**LOUISIANA:** Temperatures 2.8 to 4.8° above normal. Extremes 41°; 87°. Rainfall 1.67 in. northeast to 3.29 in. southeast.

Days suitable for fieldwork 3.2. Soil moisture 54% adequate, 46% surplus. Corn 62% fair, 38% good; 94% planted, 63% 1993, 82% avg.; 86% emerged, 46% 1993, 65% avg. Planting winding down. Cool temperatures have affected growth of young plants. Rice 37% emerged, 22% 1993, 31% avg. Planting continued at a normal pace. Wheat 8% poor, 39% fair, 53% good; 64% headed, 57% 1993, 77% avg.; 4% turning color 5% 1993, 3% avg. Sorghum 6% emerged, 0% 1993, 12% avg. Rains hindered planting progress. Spring plowing 78% plowed, 53% 1993, 65% avg. Hampered by rainfall early in the week. Sugarcane 52% fair, 48% good. Routine fieldwork was halted early in the week by rains. Stands were weak because of cool, wet weather. Livestock 5% poor, 62% fair, 33% good. Pasture 6% very poor, 12% fair, 82% good. Conditions improved with recent rains. Vegetables 36% fair, 60% good, 4% excellent. Planting, harvesting continued.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 1.19 in., normal 0.82 in. Temperature 57.6°, normal 52.0°. Extremes 29°; 87°.

Days suitable for fieldwork 2.1. Topsoil 21% adequate, 79% surplus. Subsoil moisture 16% adequate, 84% surplus. Pasture good. Small grain mostly fair to good. Some small grain drown-out, delayed top-dressing reported due to excessively wet fields. Corn grain 1% planted, 2% 1993, 3% avg. Sweet corn 1% planted, 5% 1993, 7% avg. Potato 4% planted, 41% 1993, 49% avg. Apples 4% bloomed, 1% 1993, 25% avg. Peaches 17% bloomed, 12% 1993, 66% avg. Strawberries 5% bloomed, 2% 1993, 19% avg. Fruit trees damaged due to frigid temperatures, ice in late January.

**DELAWARE:** Precipitation 1.36 in., normal 0.74 in. Temperature 58.3°, normal 52.3°. Extremes 34°; 84°.

Days suitable for fieldwork 2.3. Topsoil 100% surplus. Subsoil 100% surplus. Pasture good. Small grain condition mostly poor to fair. Small grain affected by cool, wet weather, much could not be top-dressed. Corn grain 1% planted, 2% 1993, 4% avg. Sweet corn 5% planted, 3% 1993, 7% avg. Potato 15% planted, 23% 1993, 54% avg. Apples 4% bloomed, 0% 1993, 26% avg. Peaches 42% bloomed, 43% 1993, 78% avg. Strawberries 4% bloomed, 0% 1993, 6% avg. Some fruit trees damaged due to frigid temperatures, ice in late January.

**MICHIGAN:** Extremes 22°; 75°. Precipitation 0.22 to 2.08 in. Heavy rains fell throughout the State in the early part of the week.

This limited the amount of land preparation completed during the week. Livestock condition remains good, feed supplies remain adequate. Major activities: Preparing machinery for spring, spreading fertilizer, manure, calving, lambing.

**MINNESOTA:** Temperatures 1 to 6° above normal for the State. Extremes 22°; 73°. Precipitation 0.34 in. below normal for the northwest, 0.13 to 1.35 in. above normal elsewhere. Precipitation 0.01 to 1.94 in. for the State. Greatest weekly total was 2.71 in.

Topsoil 2% short, 69% adequate, 29% surplus. Subsoil 1% short, 63% adequate, 36% surplus. Spring wheat 6% planted, 1% in 1993, 14% normal. Oats 16% seeded, 0% 1993, 18% normal. Barley 2% seeded, 1% 1993, 7% normal. Corn 3% ground prepared, 0% 1993, 6% normal. Soybeans 1% ground prepared, 0% 1993, 1% normal. Sugarbeets 0% planted, 0% 1993, 2% normal. Green peas 5% planted, 0% 1993, 10% normal. Fall seeded small grain 49% dormant, 6% poor, 44% good, 1% excellent. Date estimated for full scale fieldwork to begin April 22nd.

**MISSISSIPPI:** Temperatures 69°, 5.3° above normal. Extremes 29°; 89°. Precipitation was heavy in the south-central, southeastern sections of the State, near normal elsewhere. Rainfall 2.08 in., 0.86 in. above normal. Soil temperature 68°.

Days suitable for fieldwork 2.5. Soil moisture 30% adequate, 70% surplus. Corn 66% planted, 29% 1993, 47% avg.; 48% emerged, 13% 1993, 32% avg.; 4% very poor, 5% poor, 56% fair, 33% good, 2% excellent. Cotton 4% planted, 0% 1993, 3% avg. Peanuts 3% planted, 2% 1993, 5% avg. Rice 40% planted, 5% 1993, 17% avg.; 13% emerged, 2% 1993, 5% avg.; 9% poor, 65% fair, 26% good. Sorghum 38% planted, 6% 1993, 18% avg.; 21% emerged, 5% 1993, 7% avg.; 40% poor, 39% fair, 14% good, 7% excellent. Soybeans 6% planted, 0% 1993, 1% avg. Sweetpotatoes 2% planted, 0% 1993, 2% avg. Watermelons 35% planted, 30% 1993, 45% avg.; 8% poor, 48% fair, 43% good, 1% excellent. Wheat 98% jointing, 83% 1993, 91% avg.; 34% heading, 13% 1993, 45% avg.; 1% poor, 44% fair, 43% good, 12% excellent. Livestock 14% fair, 73% good, 13% excellent. Pasture 84% of normal. Activities: Preparing land, planting crops.

**MISSOURI:** Temperatures 1 to 7° above normal. Rainfall 2.49 in., ranging from 0.89 in. northwest to 4.17 in. central district. Flooding reported in several central counties.

Days suitable for fieldwork 0.8. Topsoil moisture 31% adequate, 69% surplus. Ground worked at least once for spring crops 60%, 33% 1993, 66% avg. Corn planting most advanced southwestern 32%, southeastern 31%. Oats planted 77%, 16% 1993, 68% avg. Pastures 7% poor, 42% fair, 48% good, 4% excellent. Some low wheat, corn fields flooded.

**MONTANA:** Temperatures above normal. Precipitation below normal.

Days suitable for fieldwork 4.6. Topsoil moisture 8% short, 84% adequate, 8% surplus. Subsoil moisture 11% short, 81% adequate, 8% surplus. Field tillage work in progress 35% none, 26% just started, 39% well underway. Winter wheat 8% dormant, 55% green-ing, 37% growing. Wind damage to winter wheat 43% none, 40% light, 14% moderate, 3% heavy. Barley 26% planted, 8% 1993, 18% avg. Oats 11% planted, 5% 1993, 5% avg. Sugarbeets 35% planted, 35% 1993, 22% avg. Livestock most regions receiving supplemental feed. Calving 87% complete, lambing 75% complete.

**NEBRASKA:** Temperatures 1 to 5° above normal. Precipitation as snow in central, west, rain in east. Rainfall a trace in the Panhandle to 1.90 in. central.

Days suitable for fieldwork 3.0. Topsoil moisture 14% short, 75% adequate, 11% surplus. Subsoil moisture 4% short, 91% adequate, 5% surplus. Wheat 6% poor, 25% fair, 61% good, 8% excellent; 1% jointed, 5% 1993, 1% avg. Oats 86% sown, 5% 1993, 65% avg. Corn 1% planted, 1% 1993, 0% avg. Pasture, range condition 97% of normal. Spring calving 86% complete. Supplemental feeding as producers wait for spring grass growth.

**NEVADA:** Period started cool with a few widely scattered showers central areas. Temperatures warmed midweek, no precipitation. Most areas warm, dry rest of week. Extremes 17°; 94°.

Planting of spring crops continues. Irrigation water from surface sources very short. Calving about 75% complete. Range flock lambing just starting, farm flocks about finished. Livestock movement to summer pastures getting underway.

**NEW ENGLAND:** Precipitation 0.69 to 3.43 in. regionwide. Temperatures 37 to 49° north; 45 to 53° south. Maximum temperatures 58 to 79° north; 64 to 82° south. Minimum temperatures 15 to 32° north; 25 to 41° south.

Major farm activities: Sugaring season at an end. Greenhouses selling spring flowers, early bedding plants. Fixing fences. Tending livestock. Plowing fields in preparation for planting. Placing chick, duckling, turkey poult orders.

**NEW JERSEY:** Temperatures above normal. Extremes 34°; 89°. Rainfall 2.03 in. north, 1.20 in. central, 1.56 in. south. Heaviest 24-hour total 1.40 in. Estimated soil moisture, in percent of field capacity, 97% north, 96% central, 89% south. Four-inch soil temperatures 49° north, 53° central, 55° south.

Ground preparation 1 to 2 weeks behind due to excessive moisture. Plowing restricted to well drained soils. Limited planting of few spring vegetables. Spraying of apples. Peaches nearing full bloom.

**NEW MEXICO:** After a cool, wet start in the northeast, most of State experienced a warm, dry week. Temperatures 3 to 4° above normal, with Albuquerque's +8° the largest anomaly. Most of the week's precipitation was confined to the northeast quarter, with greatest amounts measured at Taos (0.52 in.), Las Vegas (0.41 in.).

Days suitable for fieldwork 6.5. Soil moisture 81% short, 19% adequate. Light to moderate wind, freeze damage in various areas affecting alfalfa, early fruit, some early vegetables. Crop conditions: Alfalfa 13% poor, 30% fair, 57% good. Irrigated wheat 6% poor, 29% fair, 59% good, 6% excellent. Dryland wheat 25% very poor, 50% poor, 25% fair. Onions 13% fair, 87% good. Lettuce reported in good condition. Chile, potato planting continued. Cattle, sheep very poor to good with supplemental feeding active. Range feed condition 59% of normal.

**NEW YORK:** Weather data not available.

Major activities: Tending livestock, spreading manure, moving crops from storage, readying equipment for planting. Still too wet to start plantings in most areas. Maple syrup season almost complete.

**NORTH CAROLINA:** Mean temperatures 1 to 11° above normal. The largest positive departures were in the coastal plain. Rainfall 5.96 in. at Highlands to 0.04 in. at Swann.

Days suitable for fieldwork 4.5. Soil moisture 4% short, 80% adequate, 16% surplus. Crop conditions: Wheat 2% poor, 11% fair, 79% good, 8% excellent; oats 13% fair, 80% good, 7% excellent; barley 17% fair, 78% good, 5% excellent; rye 13% fair, 82% good, 5% excellent; pasture 2% poor, 19% fair, 73% good, 6% excellent; outside tobacco plant bed; 31% fair, 67% good, 2% excellent; greenhouse tobacco plant beds 3% fair, 80% good, 17% excellent; irish potatoes; 5% poor, 14% fair, 76% good, 5% excellent; peaches 24% fair, 67% good, 9% excellent; truck crops 39% fair, 56% good, 5% excellent; hay, roughage supplies 6% very short, 24% short, 70% adequate; tobacco plant supplies 85% adequate, 15% surplus. Irish potatoes planted 97%, 85% 1993, 88% avg.; corn planted 48%, 18% 1993, 31% avg.; cabbage transplanted 91%, 84% 1993, 87% avg.; flue cured tobacco transplanted 11%, 4% 1993, 11% avg. Activities included: Planting corn, tobacco plant bed maintenance, preparing land for planting. Other activities included: Planting vegetables, transplanting tobacco, topdressing small grains, tending livestock; equipment repair, general farm maintenance.

**NORTH DAKOTA:** Precipitation 0.12 in. southeast, rest of State dry. Temperatures 1° above normal south central, southeast to 5° above normal northwest. Extremes 18° south central; 76° southwest.

Soil moisture well above average. Topsoil 2% short, 88% adequate, 10% surplus. Subsoil 3% short, 90% adequate, 7% surplus. Planting progress similar to last year, behind average. Hard red spring wheat 1% planted, 1% 1993, 9% avg.; durum wheat none, none 1993, 2% avg.; oats none, 1% 1993, 7% avg.; barley 1%, 1% 1993, 8% avg. Winter wheat 3% poor, 31% fair, 65% good, 1% excellent; 56% dormant, 44% green. Livestock mostly good, nearly all receiving supplemental feed. Calving was 78% complete, lambing 83%, shearing 88%. Hay, roughage, grain, concentrate supplies mostly adequate. Pastures 93% of normal; 83% still dormant.

**OHIO:** Severe storms brought strong winds, some damage to sections of State. Rainfall high with common reports of more than 1.00 in. for the period. Wet weather put a damper on fieldwork, mild temperatures did aid in removal of moisture from surfaces. Temperatures 50 to 57°, 3 to 6° above normal. Daytime highs varied from low to upper 60s with average minimums from near 40 to mid 40s. Only a small part of central areas reported less than 1.00 in. of rain. Rainfall 1.50 to 2.00 in. were common in the north with heavy 2.00 to 3.00 in. northeast. Over the south 1.00 to 1.75 in. Precipitation fell on top of that reported the previous week putting moisture received since April 1st well above normal.

Days suitable for fieldwork 1.6. Soil moisture 22% adequate, 78% surplus. Winter wheat is greening, good condition. Field activities were delayed by cold soil, standing water. Winter wheat 1% very poor, 5% poor, 23% fair, 57% good, 14% excellent. Oats planted 19%, 2% 1993, 35% avg. Potatoes planted 3%. Sugarbeets planted 5%. Pasture 2% very poor, 14% poor, 36% fair, 40% good, 8% excellent. Hay 1% very poor, 12% poor, 44% fair, 35% good, 8% excellent.

**OKLAHOMA:** Temperatures normal southeast to 2° above normal east-central. Precipitation 0.03 in. west central to 1.73 in. northeast.

Days suitable for fieldwork 4.5. Topsoil 23% short, 59% adequate, 18% surplus. Subsoil 27% short, 73% adequate. Wheat heading began southern counties. Disease observed in larger wheat north-central. Sorghum ground preparation lagging 2 weeks behind normal. Oats 28% fair, 72% good; 37% jointing, 24% 1993, 49% avg.; 2% headed, none 1993, 6% avg. Barley 33% jointing, 26% 1993, 47% avg. 1% headed, none 1993, 5% avg. Corn 85% seedbed prepared, 87% 1993, 84% avg.; 32% planted, 28% 1993, 25% avg.; 10% up to stand, 11% 1993, 7% avg. Soybeans 45% seedbed prepared, 26% 1993, 46% avg.; 12% planted, 8% 1993, 3% avg. Peanuts 57% seedbed prepared, 48% 1993, 49% avg. Pasture 93% of normal. Cattle good; marketings average, prices mixed.

**OREGON:** Temperatures 1 to 3° above normal coast, 3 to 4° above normal western interior, central portions 4 to 5° above normal, elsewhere 1 to 3° above normal. Precipitation northern, central coast 0.75 in., northern Willamette Valley 0.25 in., elsewhere 0.10 in. or less.

Soil moisture 46% short, 52% adequate, 2% surplus. Winter wheat 6% poor, 27% fair, 58% good, 9% excellent. Russian wheat aphid reported, Columbia Basin of State. Barley 46% planted. Sugarbeets emerged, Malheur County; planting underway Klamath Basin. Small grain field work delays, western areas. Eastern small grain planting, tillage, fertilizing continues. Spearmint, peppermint planting, central areas. High blossom blight disease pressure, little or no bee activity; Willamette Valley. Sweet cherries, Italian prunes full bloom; northern Willamette Valley. Strawberry bloom underway, Willamette Valley. Hood River Valley spraying continues. Cranberries terminal bud development varied from roughneck to popcorn stage, black-headed fireworm larvae beginning to emerge; southern coast. Potato planting continues; Malheur County, Columbia Basin of State. Some onions emerged Columbia Basin. Willamette Valley vegetable activity slowed by wet cool weather; some sweet corn, sweet peas, broccoli, onions planted. Rhubarb harvest continues northern Willamette Valley. Livestock mostly good. Range, pasture 93% of normal. Supplemental feeding winding down, cattle turn out on early public lands underway, calving, branding winding down.

**PENNSYLVANIA:** Warm week; many areas reached 80°. Precipitation well above normal. Temperature 57°, 12° above normal. Extremes 23°; 87°. Precipitation 1.92 in.; 1.10 in. above normal.

Days suitable for fieldwork 1. Soil moisture 3% adequate, 97% surplus. Plowing 8% complete, 6% 1993, 12% avg. Oats 6% planted, 6% 1993, 28% avg. Potatoes 8% planted, 0% 1993, 12% avg. Tobacco beds 28% planted, 43% 1993, 63% avg. Wheat 3% very poor, 5% poor, 29% fair, 46% good, 17% excellent. Hay stands mostly fair to good. Peaches 100% pre-pink, 100% 1993, 100% avg.; 8% pink, 5% 1993, 31% avg. Cherries 100% pre-pink, 100% 1993, 100% avg.; 6% pink, 4% 1993, 21% avg. Apples 100% pre-pink, 100% 1993, 100% avg.; 0% pink, 2% 1993, 10% avg. Activities: Hauling manure; some spring plowing, oat planting; tree pruning; caring for livestock.

**PUERTO RICO:** Rainfall 0.98 in. was 0.06 in. above normal. Highest total rainfall 4.64 in. at Pico del Este, 2.34 in. at Trujillo Alto, 2.30 in. at Maricao 2SSW. Island temperatures 77 to 79° on the coasts, 70 to 74° interior with mean station temperature 80.4° at Guayama to 61.4° Pico del Este. Extremes 56°; 92°.

**SOUTH CAROLINA:** Temperatures 4 to 7° above normal statewide. Rainfall 0.90 in.

Days suitable for fieldwork 5.6. Soil moisture 44% short, 56% adequate. Tobacco fair to good; 47% planted, 30% 1993, 46% avg. Corn fair to good; 90% planted, 59% 1993, 74% avg. Cotton 4% planted, 3% 1993, 3% avg. Cantaloupes fair to good; 71% planted, 39% 1993, 53% avg. Watermelons fair to good; 82% planted, 51% 1993, 68% avg. Cucumbers fair to good; 63% planted, 49% 1993, 61% avg. Snapbeans fair to good; 55% planted, 46% 1993, 49% avg. Tomatoes fair to good; 94% planted, 79% 1993, 85% avg. Oats fair to good; 50% headed, 17% 1993, 37% avg. Rye fair to good; 5% turning color, 1% 1993, 3% avg. Wheat fair to good; 50% headed, 13% 1993, 36% avg. Peanuts 4% planted, 2% 1993, 3% avg. Pastures fair to good.

**SOUTH DAKOTA:** Temperatures normal to 5° above normal, selected locations 3° below normal. Extremes 13°; 87°. Precipitation less than 0.25 in. west, north to greater than 1.00 in. southeast, east central. Heaviest 1.61 in. southeast.

Days suitable for fieldwork 3.2. Topsoil 1% very short, 20% short, 54% adequate, 25% surplus. Subsoil 7% short, 60% adequate, 33% surplus. Winter wheat 1% very poor, 6% poor, 47% fair, 42% good, 4% excellent. Isolated areas on hilltops with winterkill, blowing soil. Spring planting progress behind average. Barley 15% planted, 3% 1993, 31% avg. Oats 29% planted, 2% 1993, 41% avg. Spring wheat 28% planted, 4% 1993, 42% avg. Livestock 4% fair, 76% good, 20% excellent. Cool, wet weather early week caused isolated health problems to young livestock. Calving 58% complete, lambing 59%. Feed supply 1% short, 83% adequate, 16% surplus. Pastures 86% of normal, need warmer soil temperatures for additional growth. Water supply 68% adequate, 32% surplus.

**TENNESSEE:** Temperatures were well above normal. Temperatures 3° above along the Plateau to 9° above in west. Memphis was the warmest location, averaging 11° above the norm. Precipitation was slightly below normal in west, well above normal along the Plateau. Highest daily rainfall was 2.43 in. Chattanooga, with the highest weekly total being Crossville's 4.13 in.

Days suitable for fieldwork 1.1. Soil moisture 16% adequate, 84% surplus. Corn 6% planted, 5% 1993, 14% avg. Cotton 0% planted, 0% 1993, 1% avg. Tobacco 91% seeded, 91% 1993, 96% avg.; 61% plants up, 60% 1993, 75% avg. Wheat 50% jointed, 44% 1993, 69% avg.; 1% poor, 40% fair, 58% good, 1% excellent. Apples 86% budding or beyond, 86% 1993, 90% avg.; 35% blooming or beyond, 38% 1993, 64% avg. Peaches 95% budding or beyond, 97% 1993, 99% avg.; 86% blooming or beyond, 92% 1993, 94% avg. Pastures 17% fair, 76% good, 7% excellent. Cattle 2% poor, 26% fair, 70% good, 2% excellent. Brief period of sunshine enabled some planting progress in lower western areas, remains too wet for field preparation in most other areas. The delay in corn planting has some farmers entertaining thoughts of switching to sorghum or soybeans. Wheat is doing well, more dry weather is needed to suppress producers' concerns about rain-accentuated disease problems. Several peach blooms were killed in east because of the cold spell during early April.

**TEXAS:** A surge of high pressure resulted in quite cool weather for Panhandle early in week while afternoon readings climbed into 90s over west central, some far southern areas. Readings moderated at midweek. Then late in week, a front, upper air disturbance triggered thunderstorms over mainly eastern, south-central counties. Several stations received rainfall amounts over 2.00 in. Temperatures cooled over weekend. Precipitation ran below normal except for East Texas, Trans-Pecos areas. No rain was reported on High Plains. Temperatures were generally near normal. However, readings were slightly above normal on High Plains and slightly below normal on Southern Low Plains and Lower Rio Grande Valley.

**Crops:** Corn planting progressed rapidly in High Plains where conditions allowed. Some producers were delayed by rain that fell early in week. In Blacklands, conditions in some areas were getting critical as a result of shortage of soil moisture, freeze damage became evident in some low lying areas. Producers in South Texas were applying post emergence sprays for weeds. Most areas of State need additional moisture. Corn 81% normal, 77% 1993. Cotton land preparations continued in Plains where conditions allowed. Some fields in East Texas were being treated for flea hoppers. In Coastal Bend, some fields were damaged by blowing sand. Rice planting continued. Some producers were flushing fields in Upper Coast. Sorghum producers were holding off planting in some areas of Edwards Plateau due to lack of moisture. In South Texas, some producers were applying post emergence weed sprays. Preplanting activities continued on Plains. Sorghum 89% normal, 71% 1993. Small Grains some wheat fields in Plains were showing signs of freeze damage. Freeze damage also showed up on some fields in Cross Timbers, where some producers were cutting wheat for hay and silage because of dry conditions. In some areas of Southern Low Plains, Edwards Plateau, small grain fields were showing signs of stress from dry conditions. Some oat fields were being harvested for hay in South Central Texas. Statewide wheat condition 54% normal, 76% 1993.

**Commercial Vegetables:** Rio Grande Valley: onion harvest continued despite low prices, however, clipping, harvest of onions was delayed in some areas due to drizzle. San Antonio-Winter Garden: cucumbers made good progress. Trans-Pecos: chilies were planted, onions were nearing harvest. Irrigation was active. In East Texas planting of watermelons continued. Some producers were having to contend with aphids. In High Plains, irrigation was active. Planting of onions, potatoes continued. Some fields of onions were damaged by blowing sand. Peaches: producers were irrigating, spraying in Edwards Plateau. Crop made good progress in most areas. Spraying activities continued. Harvest of early peaches continued in Rio Grande Valley. Pecans across State, trees were in various stages of leafing out. Some producers in Cross Timbers were spraying fungicide for scab, applying zinc, fertilizers.

**Range and Livestock:** Supplemental feeding has increased in some areas due to lack of rain, forage growth. Some culling of livestock herds has started as a result of dry weather. Most range, pastures across State were in need of a good soaking rain to boost growth of spring grasses. Lice, fly problems were increasing in some areas of Trans-Pecos. Threat of fire hazards was increasing in some areas of Edwards Plateau. Livestock remained in fair to good condition.

**UTAH:** Temperature maximums were normal, minimums 3° above normal. Precipitation was moderate to heavy across the State.

Days suitable for fieldwork 5.3. Soil moisture 6% short, 69% adequate, 25% surplus. Alfalfa hay height 3.5 in., 3.3 1993. Winter wheat 89% good, 11 % fair. Fall barley 75% good, 25% fair. Spring wheat: Planted 75%, 35% 1993, 71% avg.; emerged 40%, 4% 1993. Barley planted 71%, 41% 1993, 70% avg.; emerged 37%, 5% 1993. Oats: planted 40%, 22% 1993, 51% avg.; emerged 16%, 4% 1993. Corn planted 6%, 1% 1993. Sweet cherries bloomed 36%. Tart cherries bloomed 10%. Peaches bloomed 86%. Apples bloomed 5%. Pears bloomed 19%. Cows calved 83%, 79% 1993, 82% avg. Calf death losses 36% below normal, 64% normal. Ewes lambled on farm 80%, 83% 1993, 85% avg. Ewes lambled on range 59%, 54% 1993, 50% avg. Lamb death losses 22% below normal, 78% normal. Sheep sheared on farm 80%, 73% 1993, 79% avg. Sheep sheared on range 62%, 55% 1993, 63% avg. Pasture, range conditions good to excellent.

**VIRGINIA:** Temperatures above normal. Extremes 20°; 86°. Precipitation below normal in central, south, near normal elsewhere.

Days suitable for fieldwork 3.3. Topsoil 68% adequate, 32% surplus. Barley 4% poor, 47% fair, 46% good, 3% excellent. Wheat 55% fair, 41% good, 4% excellent. Pasture 27% fair, 64% good, 9% excellent. Alfalfa hay 18% fair, 81% good, 1% excellent. Other hay 26% fair, 69% good, 5% excellent. Peaches 57% very poor, 24% fair, 19% good. Apple 4% poor, 13% fair, 83% good. Tobacco plant bed 45% fair, 55% good. Tobacco greenhouse 12% fair, 48% good, 40% excellent. Potato planting was virtually complete. Corn was 11% planted, 1% 1993, 6% avg. Corn planting, land preparation, fertilizing small grains, pastures, applying lime, spraying, pruning fruit trees, equipment, fence repair, spraying alfalfa weevil, management of tobacco beds.

**WASHINGTON:** Temperatures 3° below normal to 3° above normal west; 1° below normal to 5° above normal east. Precipitation 0.25 to 1.60 in. west; none to 0.45 in. east.

Days suitable for fieldwork 4.9. Soil moisture 34% short, 65% adequate, 1% surplus. Hay, other roughage supplies 2% very short, 16% short, 78% adequate, 4% surplus. Range, pasture 19% poor, 54% fair, 26% good, 1% excellent. Winter wheat dryland 5% poor, 48% fair, 41% good, 6% excellent; irrigated 5% fair, 90% good, 5% excellent. Spring wheat dryland 66% fair, 34% good; irrigated 100% good. Barley dryland 70% fair, 30% good; irrigated 100% good. Gradual warming trend through week; fieldwork active. Significant planting progress in small grains, potatoes, vegetables; asparagus harvest continued. Apples full bloom in early districts; frost protection necessary in some locations. Pasture growth strong west, slow to moderate east; livestock were being turned out in greater numbers, most still on supplemental feed in east.

**WEST VIRGINIA:** Temperatures 58°. Extremes 33°; 89°. Precipitation 1.44 in.

Days suitable for fieldwork 2.3. Soil moisture; 26% adequate, 74% surplus. Barley good. Wheat 1% poor, 4% fair, 95% good. Hay 48% fair, 52% good. Apples 30% poor, 60% fair, 10% good. Peaches 100% very poor. Soil prepared; 18%. Corn planted 5%. Oats planted 11%. Tobacco beds 99% planted, 53% emerged. Gardens 7% planted, 1% emerged. Soybeans planted 0%. Pastures 3% poor, 56% fair, 41% good; 84% of normal. Cattle 18% fair, 82% good. Sheep 14% fair, 86% good. Hay feed supplies 13% very short, 46% short, 41% adequate. Other feed supplies 27% short, 73% adequate. Activities: Fertilizing, calving, lambing, feeding livestock, mending fences.

**WISCONSIN:** Temperature 47°, 2° above normal. Extremes 16°; 76°. Precipitation 0.80 to 1.40 in.

Days suitable for fieldwork 2.0. Soil moisture 2% short, 74% adequate, 24% surplus. Intended spring tillage 15% complete, 5% 1993, 8% avg. Oats 25% planted, 0% 1993, 6% avg. In some of the northern areas, frost is still in the ground, is moving out. In the central areas, the rains brought out the last of the frost, some of the fields were too wet to till. Anhydrous application is beginning in some areas. Southern parts of the State have been drier than normal, making more days suitable for fieldwork. Maple syrup production is starting to wind down with reporters indicating a fair to good sap flow with a higher sugar content. Winter wheat is generally looking good. Most reporters indicate it is still too early in most places to judge the winter survival of alfalfa.

**WYOMING:** Temperatures varied from 3° below normal in Torrington to 4° above normal in Sheridan. Precipitation was below normal, except in the extreme southeast and the Wind River region both of which were above normal. Lander, Carpenter received the largest amounts of precipitation with 0.66 to 0.67 in.

Days suitable for fieldwork 5.9. Topsoil 19% short, 81% adequate. Subsoil 12% short, 84% adequate, 4% surplus. Spring wheat 21% planted, 9% 1993, 31% avg.; 3% emerged, 0% 1993, 8% avg. Oats 36% planted, 10% 1993, 25% avg.; 4% emerged, 0% 1993, 5% avg. Barley 69% planted, 40% 1993, 60% avg.; 29% emerged, 0% 1993, 22% avg. Sugarbeets 46% planted, 19% 1993, 35% avg. Winter wheat 36% fair, 64% good. Winter wheat wind damage 1% none, 37% light, 62% moderate. Spring calves born 80%, 79% 1993, 77% avg. Calf death losses 26% light, 74% normal. Farm flock: Ewes lambled 87%, 82% 1993, 82% avg.; shorn 91%, 78% 1993, 78% avg. Range flock: Ewes lambled 19%, 28% 1993, 34% avg.; shorn 51%, 46% 1993, 52% avg. Lamb death losses 8% light, 92% normal. Hay, roughage supplies 4% short, 85% adequate, 11% surplus. Range, pasture good to excellent.

# International Weather and Crop Summary

## HIGHLIGHTS

April 10 - 16, 1994

**FSU-WESTERN:** Unseasonably, warm, dry weather allowed timely spring grain planting.

**EUROPE:** Soaking rain delayed spring grain planting in central areas.

**SOUTH ASIA:** Showers in southern India increased irrigation reserves for main-season plantings.

**EASTERN ASIA:** Rains benefited vegetative winter wheat and increased topsoil moisture for summer crop planting across the North China Plain.

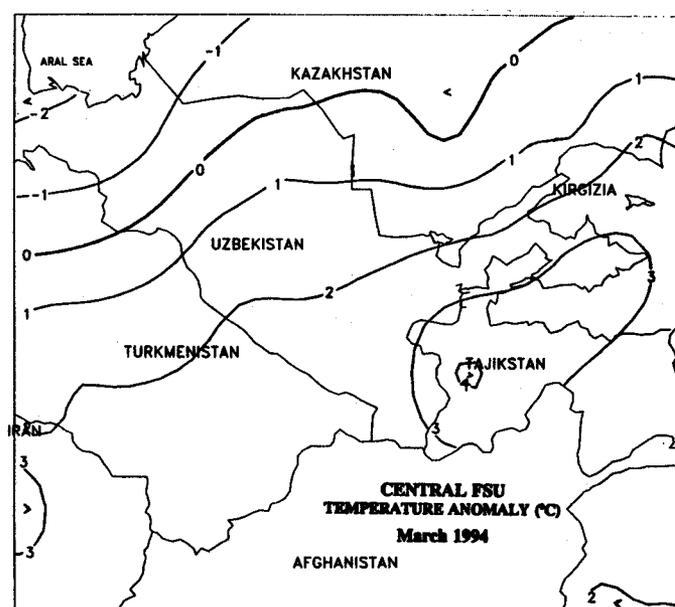
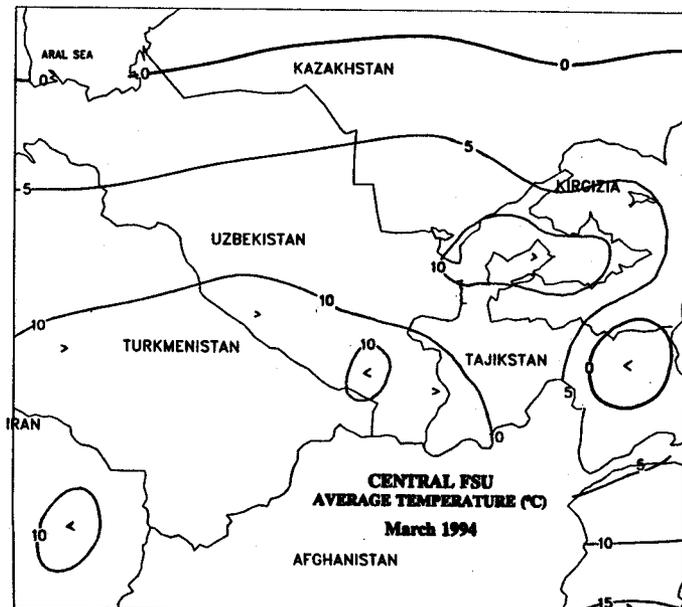
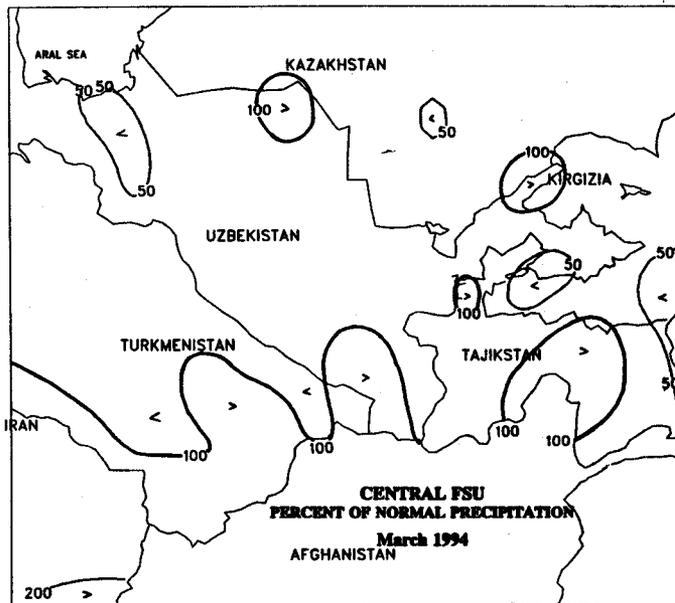
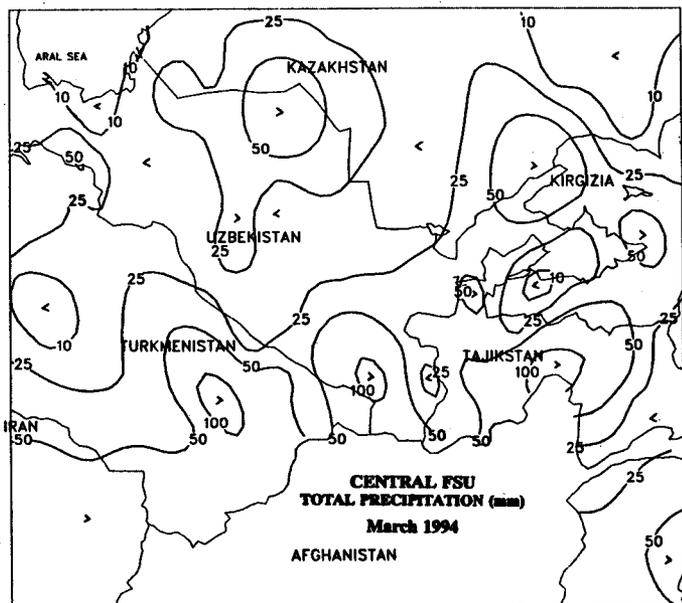
**SOUTHEAST ASIA:** Showers returned to Thailand's rice and corn areas, improving planting prospects.

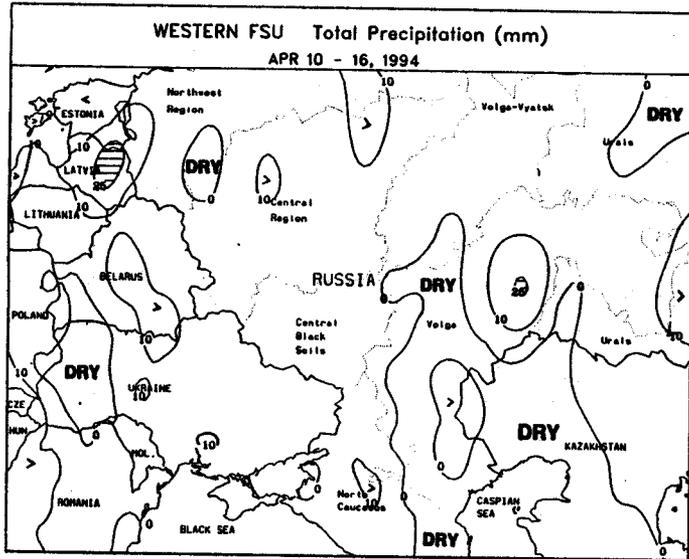
**AUSTRALIA:** Dry weather continued to favor summer crop harvesting and wheat field preparation across eastern Australia.

**SOUTH AMERICA:** Drier weather favored summer crop harvesting across the region.

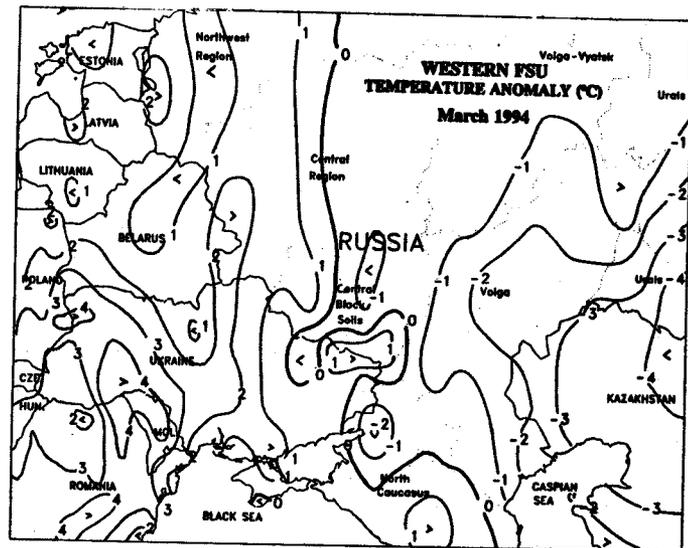
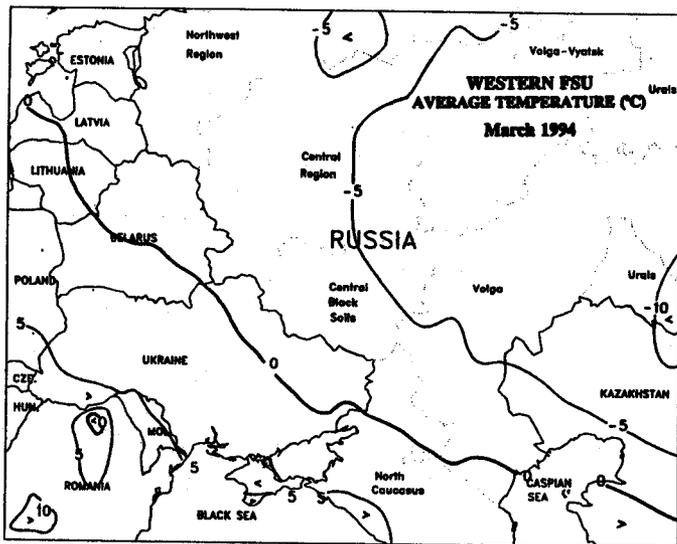
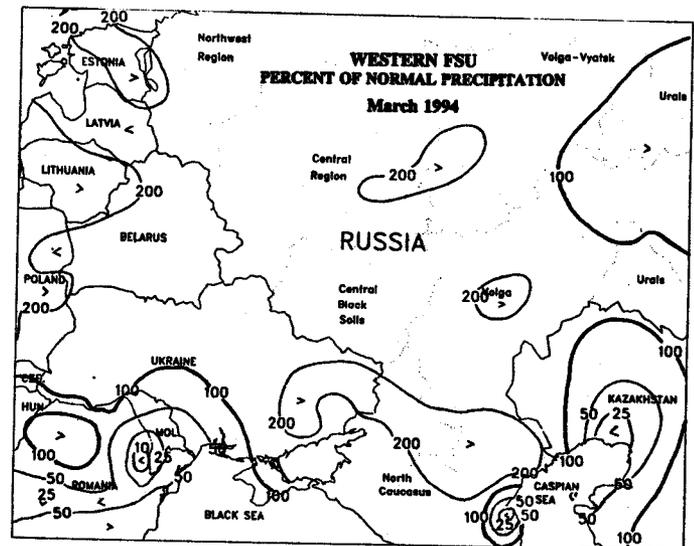
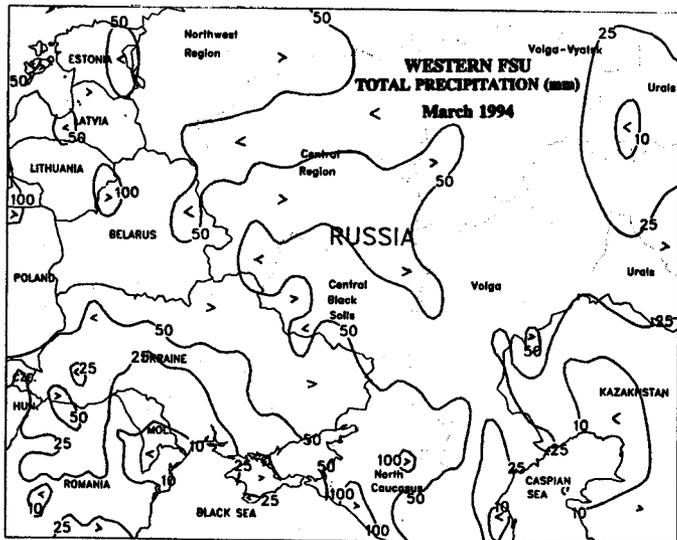
**NORTHWESTERN AFRICA:** Winter grain prospects continued to decline.

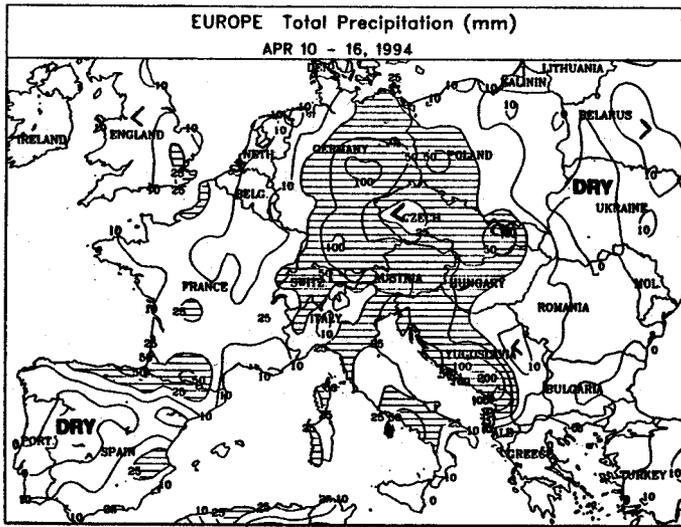
**SOUTH AFRICA:** Dry weather aided corn maturation and harvests.



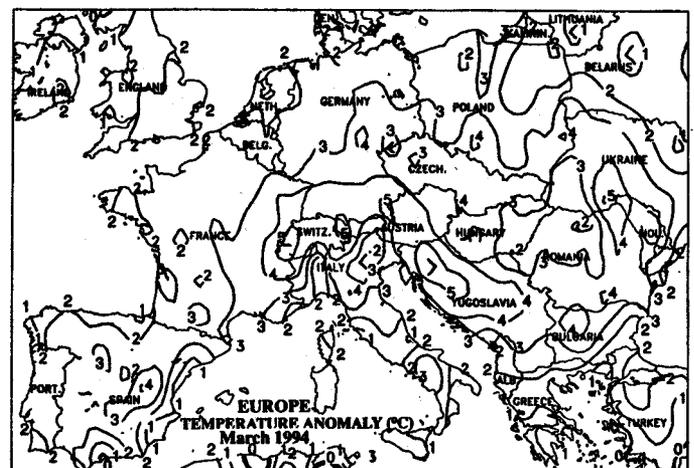
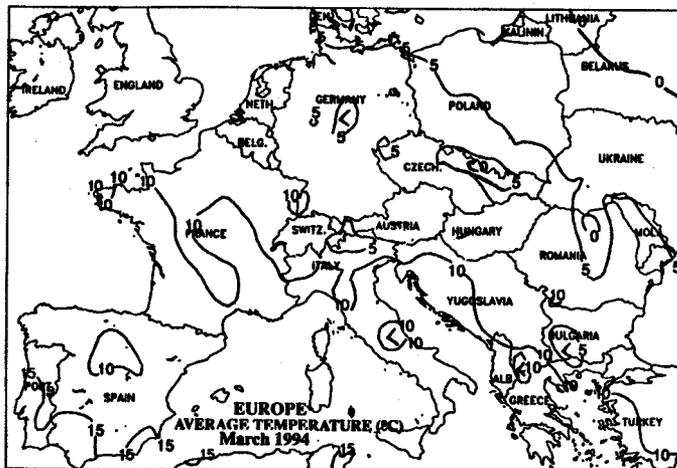
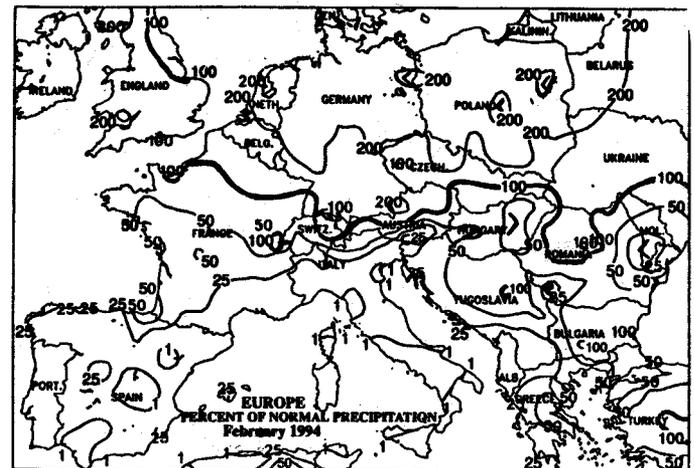
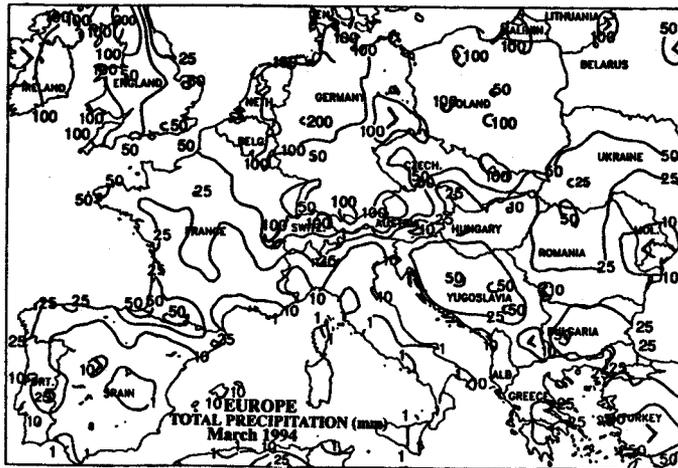


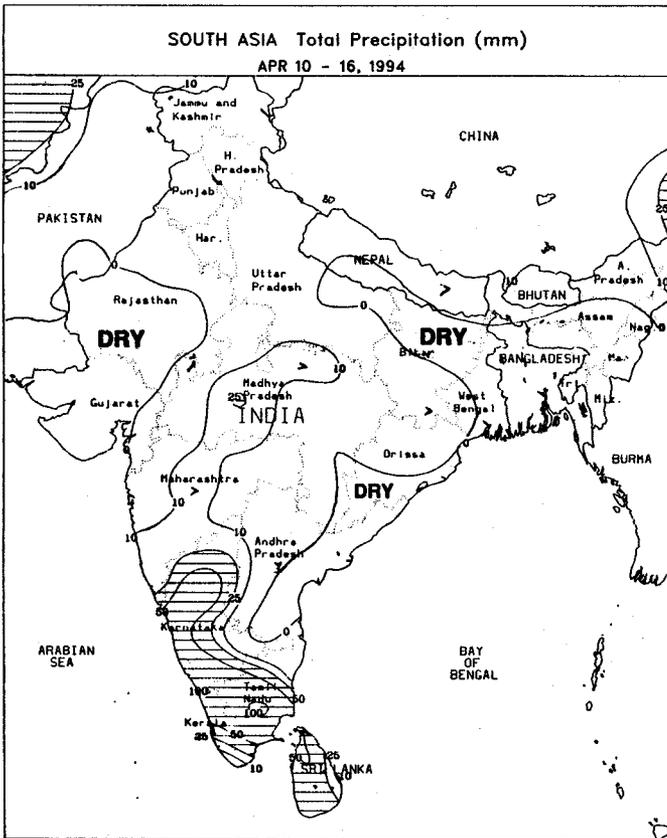
**FSU-WESTERN:** Unseasonably warm weather was accompanied by little, if any, rainfall over Russia, Ukraine, and Belarus, allowing timely spring grain planting. The greatest amounts of moisture (10-25 mm) were confined to Latvia, central Belarus, and localized areas in Ukraine and North Caucasus, Russia. Conditions remained too dry for crops in Moldova and southwestern Ukraine. Weekly average temperatures were 2-7 degrees Celsius (C) above normal over most areas. The mild weather diminished most of the snow cover in northern areas and promoted growth in winter grains in Belarus, Ukraine, and southern Russia. In March, above-normal precipitation covered most of Russia, Baltic States, and Belarus, increasing moisture for the upcoming growing season. In Ukraine, above-normal precipitation in March fell over the northern and eastern areas. However, dryness persisted in southwestern Ukraine and Moldova, limiting moisture for winter grains, which broke dormancy during the month. Near- to above-normal temperatures in March over Ukraine and North Caucasus, Russia diminished snow cover, allowing some early-spring fieldwork.



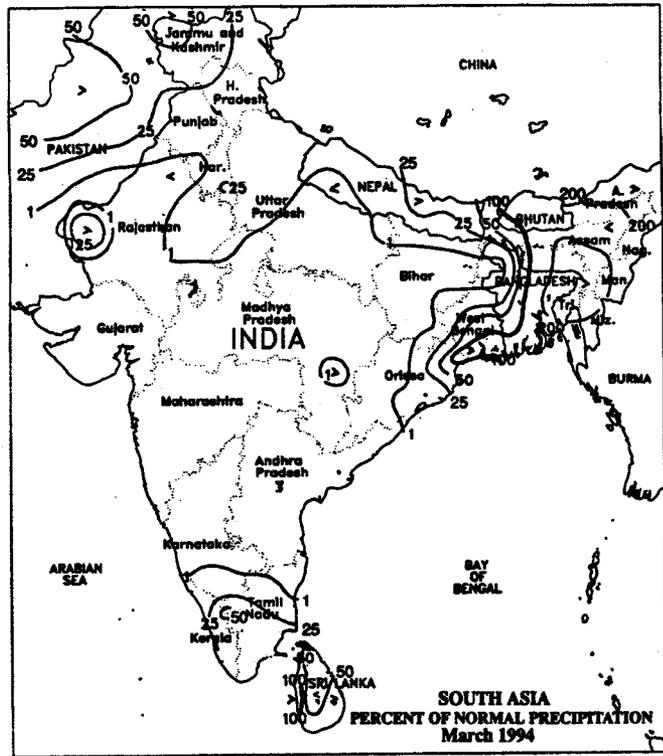
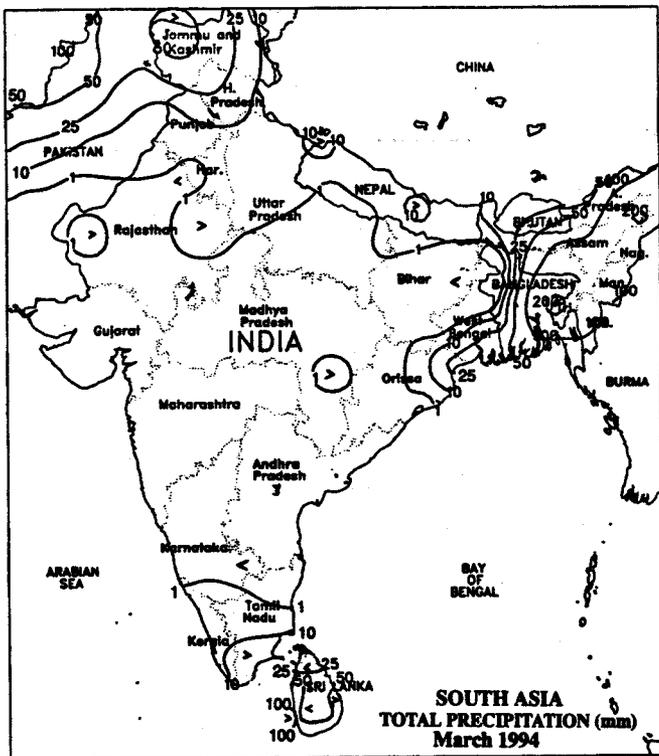


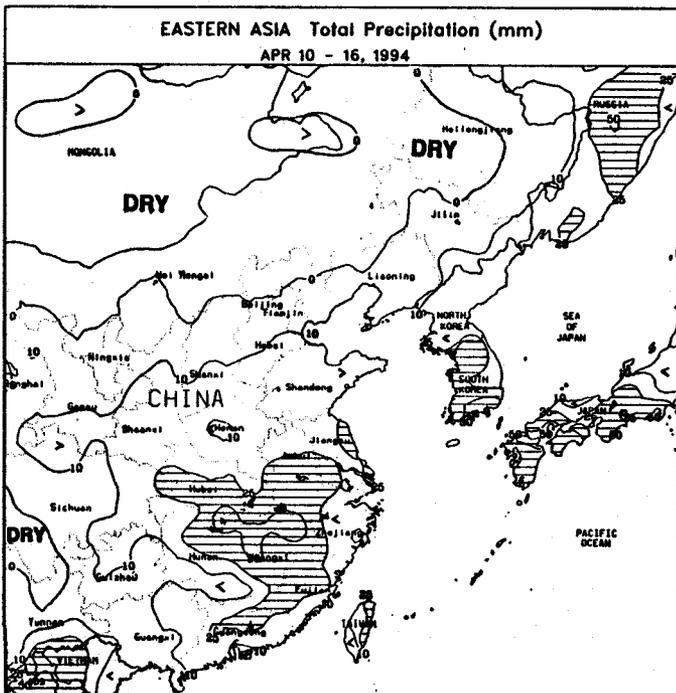
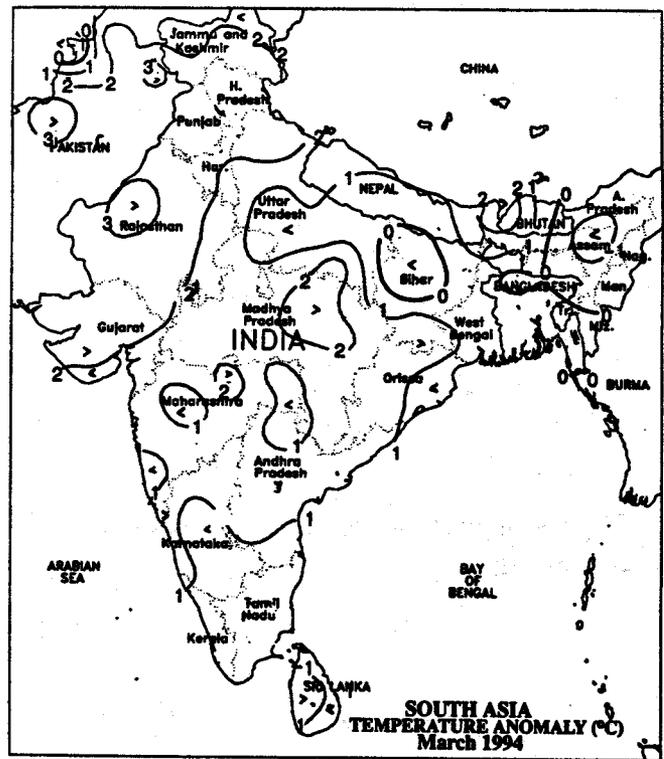
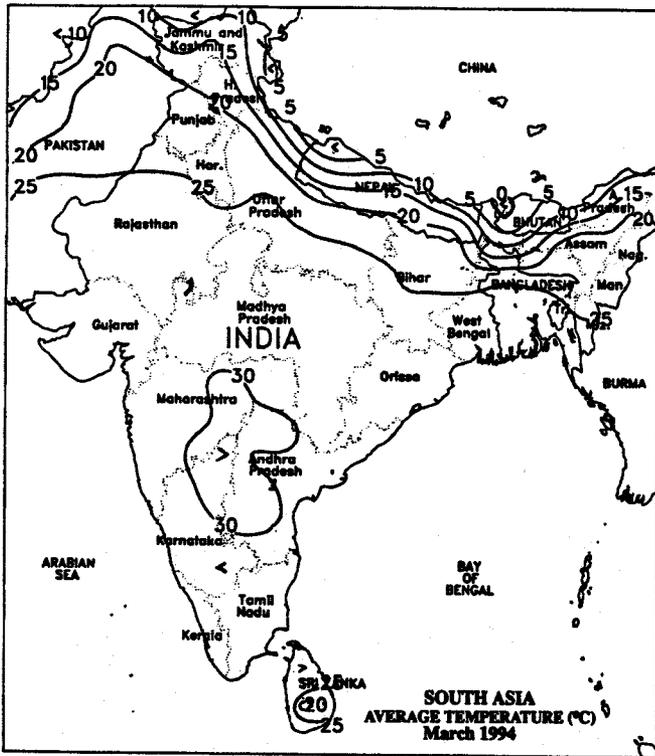
EUROPE: Moderate to heavy rain (30-60 mm, with local amounts in excess of 100 mm) fell over Germany, western Poland, Czech and Slovak Republics, western Hungary, and parts of the Po Valley in Italy, maintaining soggy field conditions. The rain was accompanied by unseasonably cool weather delaying planting of spring and summer crops. Dry weather is needed to improve planting prospects. In France, light to moderate rain (10-33 mm) followed last week's wet weather, providing abundant moisture or vegetative winter grains but slowing spring fieldwork. Sub-freezing temperatures (-4 to -2 degrees C) over central France may have caused some local damage to wheat and rapeseed, mostly in the jointing stage. Generally dry weather returned to Romania and Bulgaria, following last week's substantial rainfall. In Spain, light showers (around 10 mm) in southern areas helped to ease persistent dryness. In March, above-normal precipitation fell from the United Kingdom, across Germany, and into Poland. Further south, crop areas in Spain, Italy, Former Yugoslavia, Hungary, Romania, Bulgaria, and Greece received below-normal rainfall.



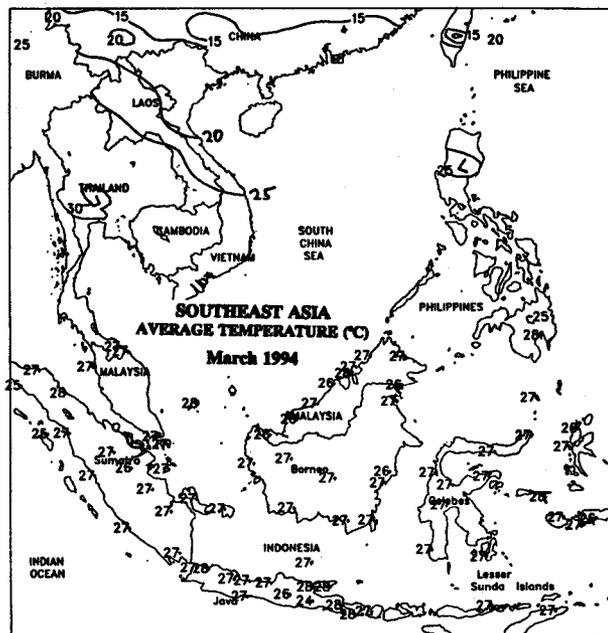
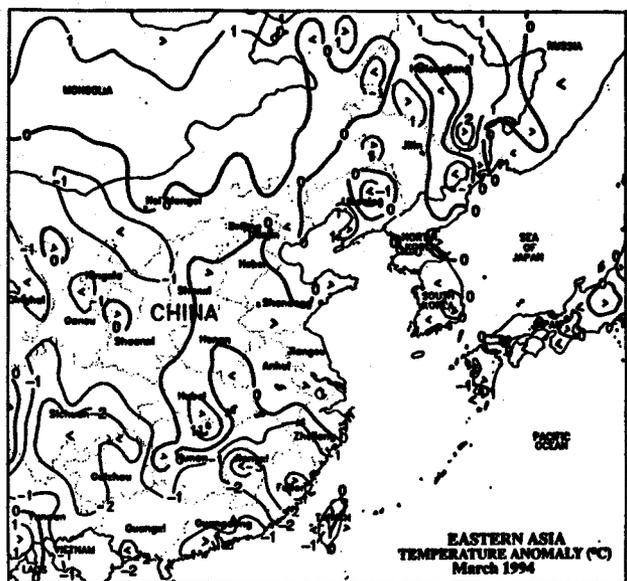
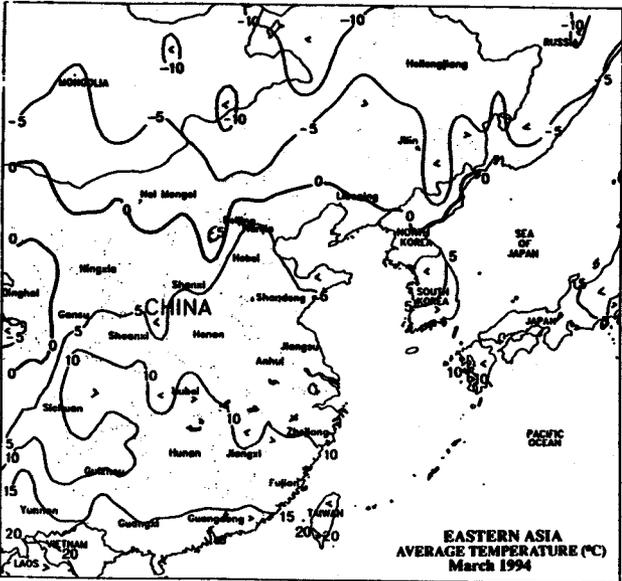
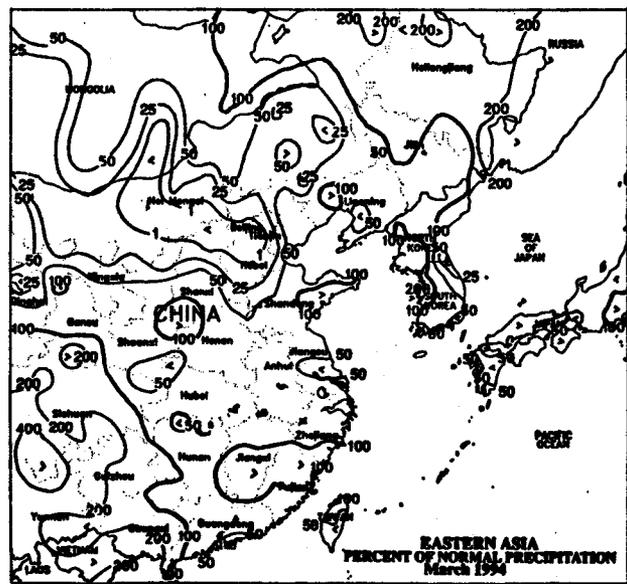
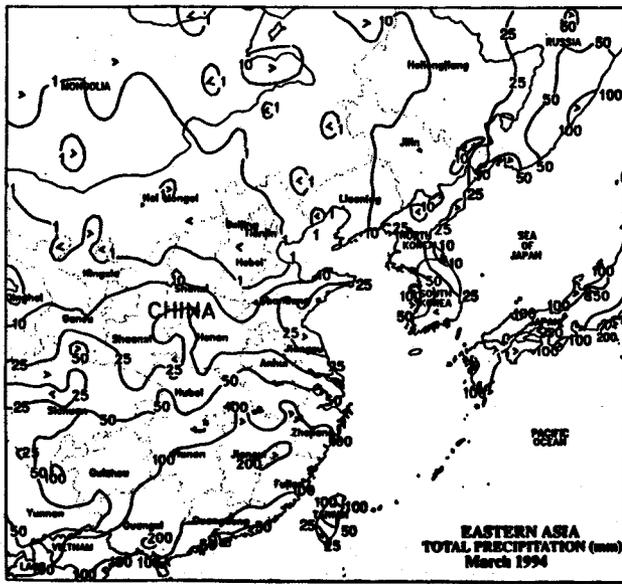


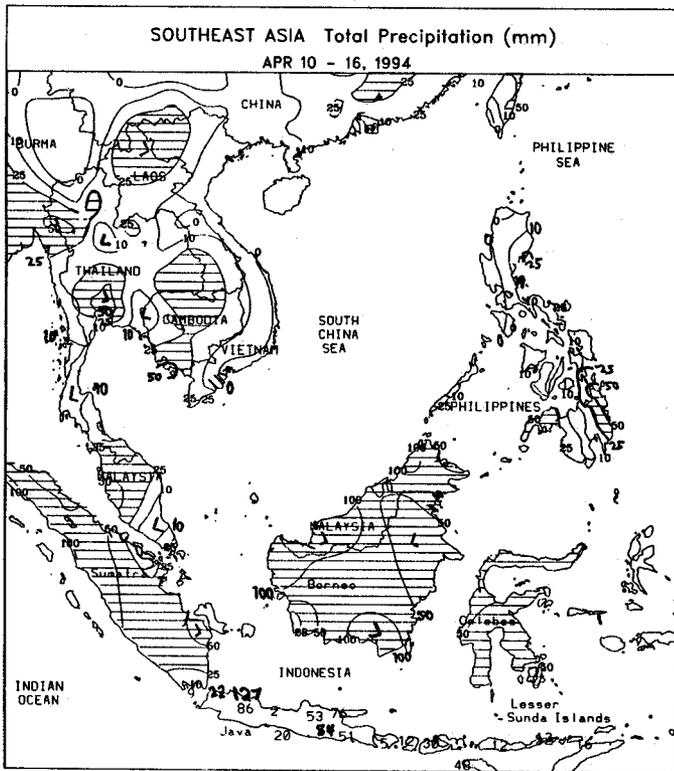
**SOUTH ASIA:** Heavy showers (50-110 mm) fell over southwestern India, increasing moisture reserves for upcoming summer crop planting. However, winter crop harvests, winding down across the region, experienced some delays. In March, warm, dry weather dominated most winter grain and oilseed areas, favoring crop maturation and harvests. However, periodic hot weather raised concern for immature northern crops. In contrast, March rainfall was 200 percent of normal locally from Bangladesh eastward. While the soaking rain raised irrigation levels prior to main-season rice planting, some flooding and damage to winter-grown rice was reported.



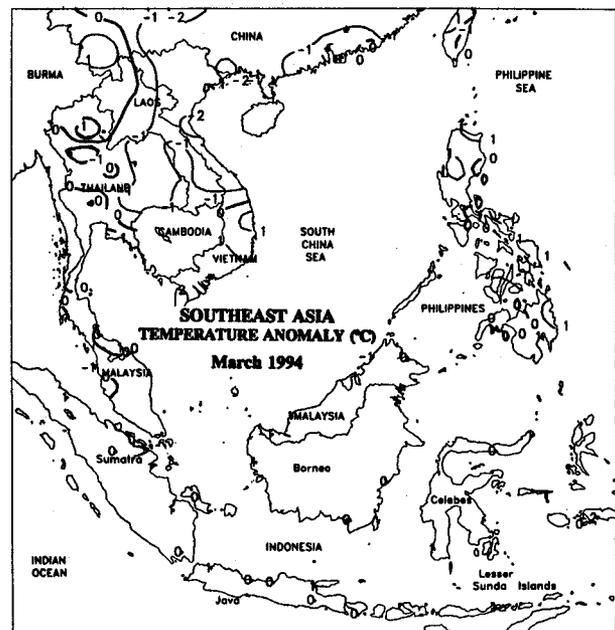
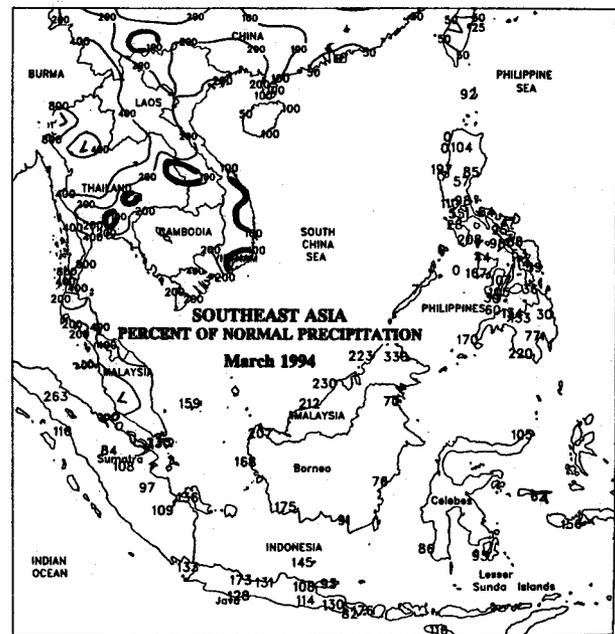
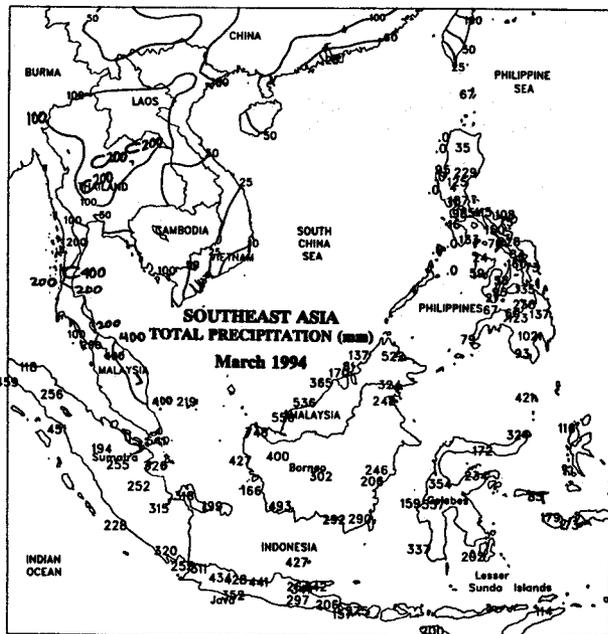


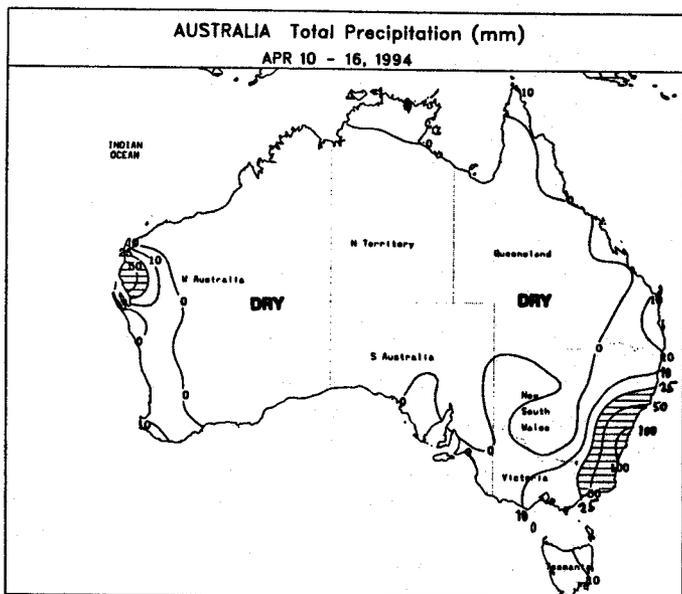
**EASTERN ASIA:** Widespread light to moderate rain (7-20 mm) blanketed the North China Plain and western crop areas (Shaanxi and Sichuan). The moisture aided vegetative winter wheat and increased topsoil moisture for summer crop planting. Across Manchuria, dry, warm weather (1-3 degrees C above normal) allowed spring wheat and early summer crop planting to progress. Moderate showers (20-50 mm) covered the Yangtze Valley, increasing irrigation supplies for early rice crops. Temperatures averaged near normal across the North China Plain and 1-3 degrees C below normal across the Yangtze Valley. During March, rainfall averaged near to above normal across Manchuria and southern China. Elsewhere across eastern China, rainfall averaged below normal (50-80 percent of normal).



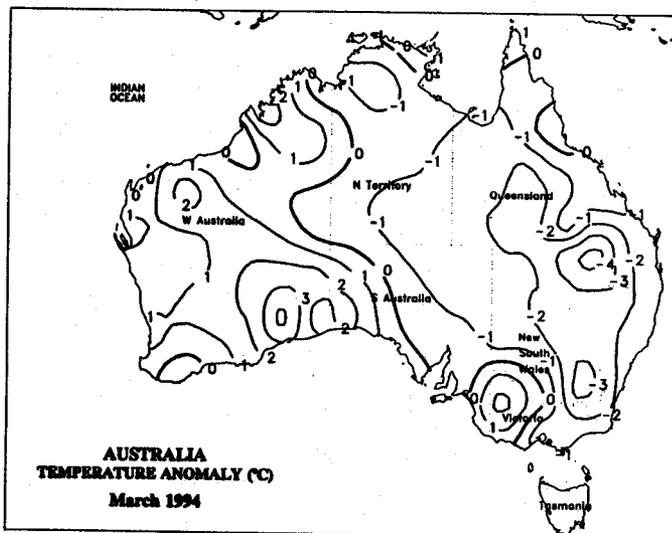
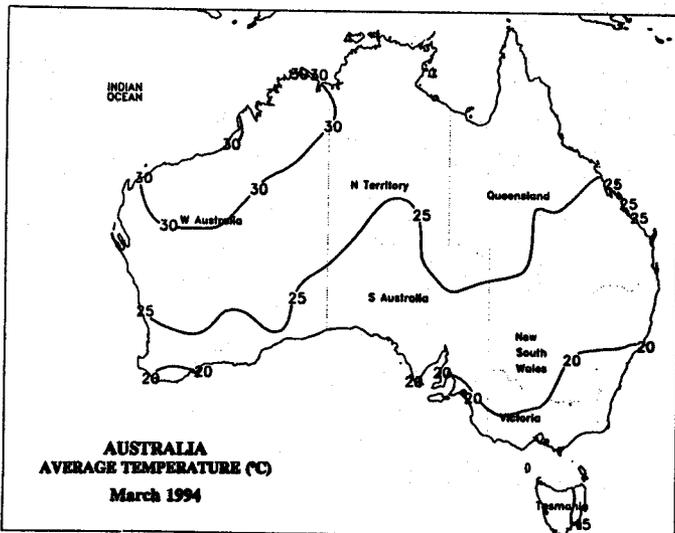
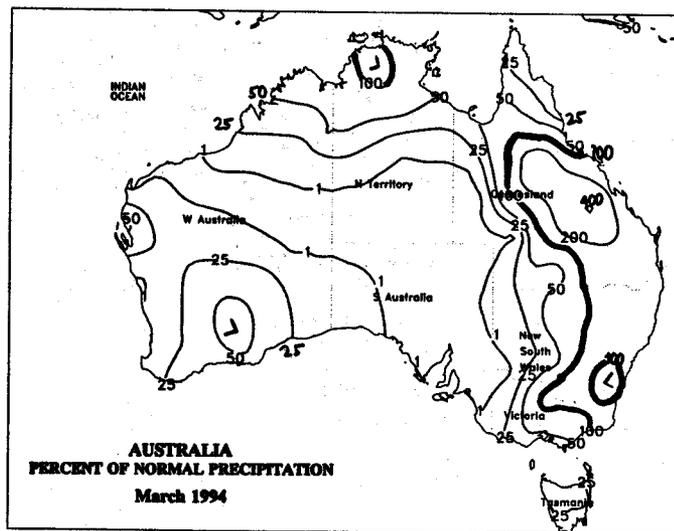
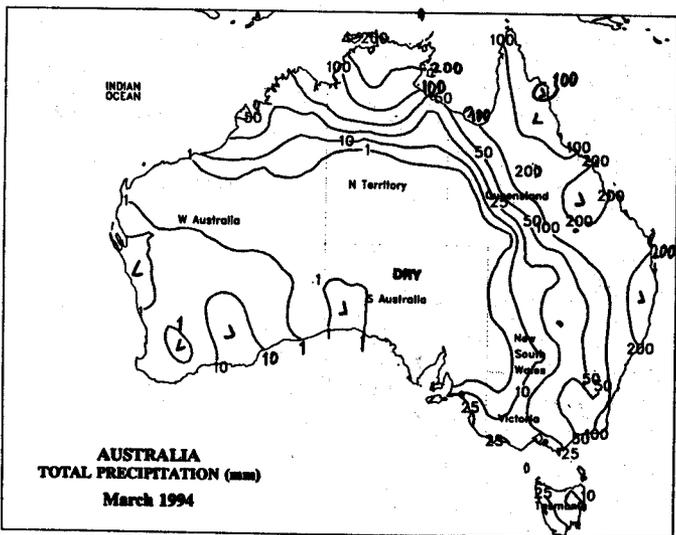


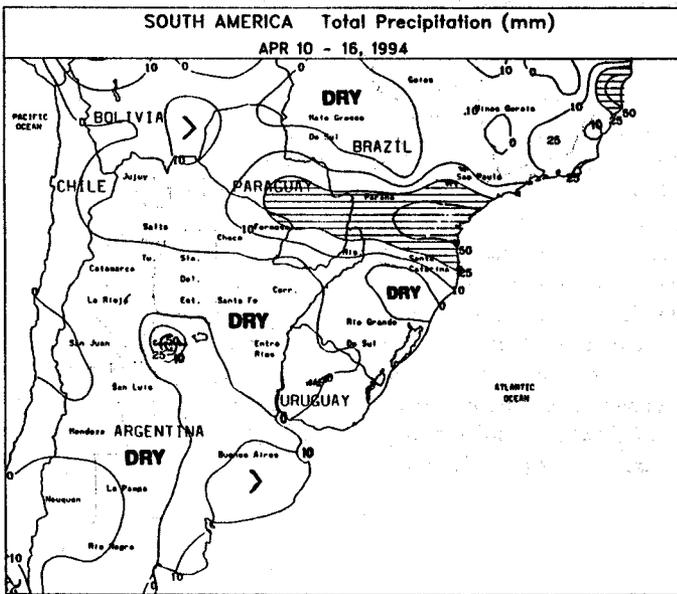
**SOUTHEAST ASIA:** Scattered moderate to heavy showers (25-50 mm or more) returned to Thailand, increasing moisture for main-season rice and corn planting. Scattered showers also fell over the Malay Peninsula, but heavy rain (50-100 mm or more) covered much of eastern Malaysia and Java, likely causing some flooding. Drier weather is needed in Java for rice harvesting. Dry weather covered most of the Philippines. In March, frequent, unseasonably heavy rain (50-200 mm or more, or 100-800 percent of normal) soaked Thailand's primary rice and corn areas. The rain boosted moisture reserves and reduced the need for irrigation from the region's critically low reservoirs. Timely showers in Vietnam also helped immature winter-spring rice. Further south, rainfall was above normal throughout Indonesia and Malaysia, causing some flooding and hampering rice harvests. March rainfall was near to above normal in the eastern Philippines, increasing moisture for main-season rice and corn planting.



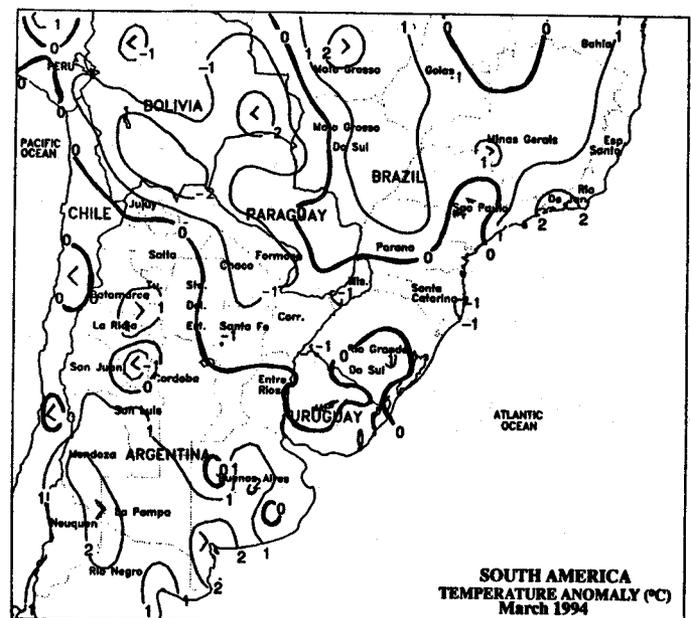
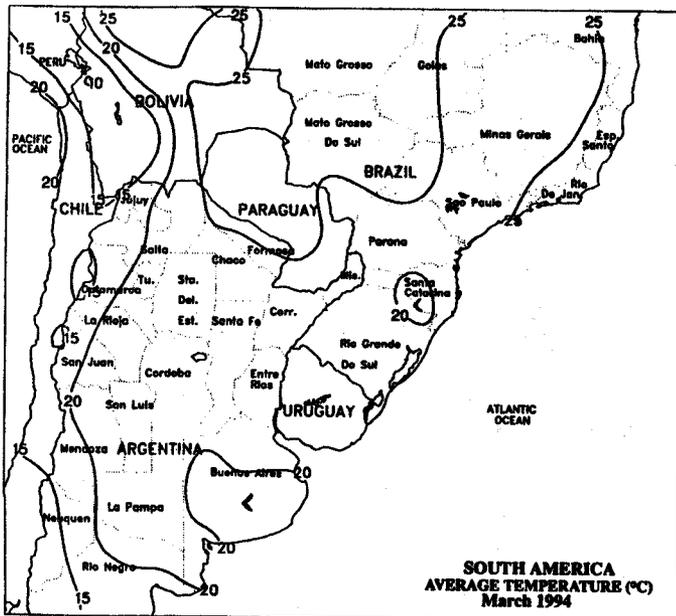
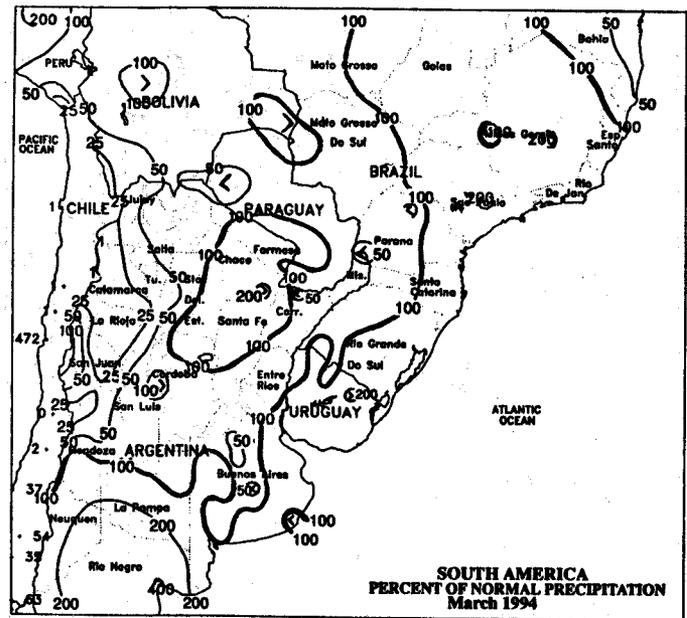
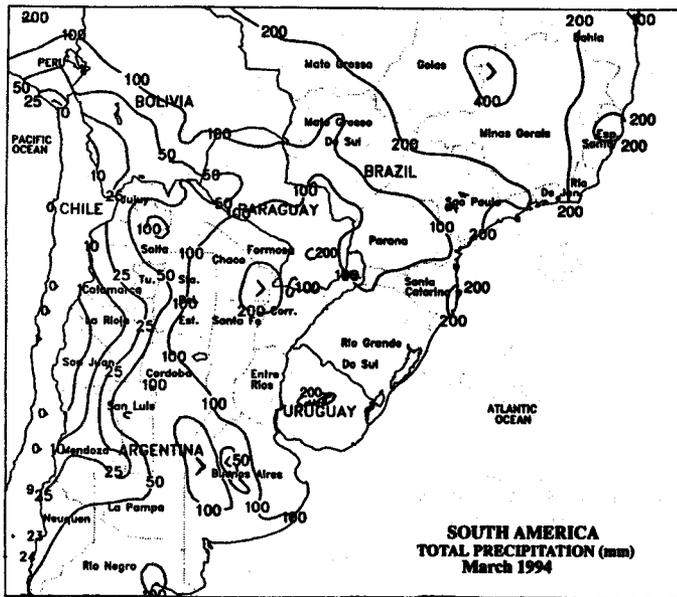


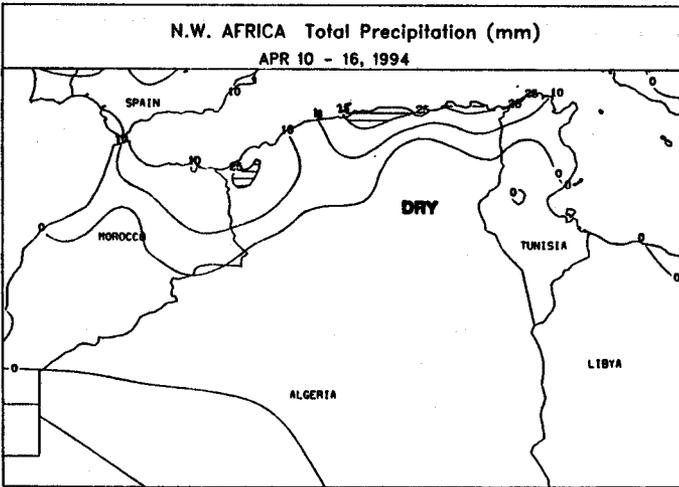
**AUSTRALIA:** Dry weather continued to favor summer crop harvesting and wheat field preparation across eastern Australia. Temperatures averaged 3-5 degrees C below normal in the east. Mostly dry weather across the northeast coast of Queensland allowed sugarcane harvesting to progress. In March, early-month rains were followed by dry weather across the eastern crop areas, where the total monthly rainfall averaged near to above normal. This distribution of rainfall favored late-planted summer crops early in the month, while the subsequent dry weather aided maturing main-season summer crops. The western and southern wheat areas received below normal (less than 50 percent of normal) March rainfall, where April and May rainfall is needed to ensure adequate moisture for wheat planting.



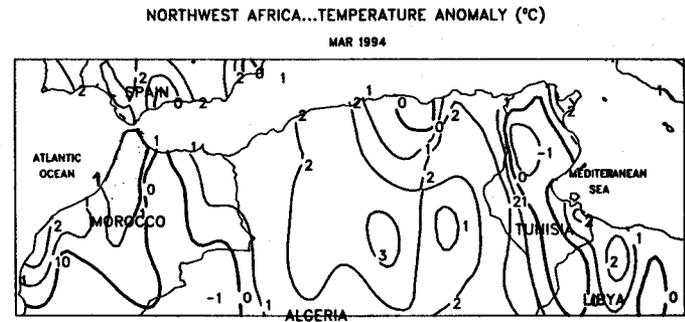
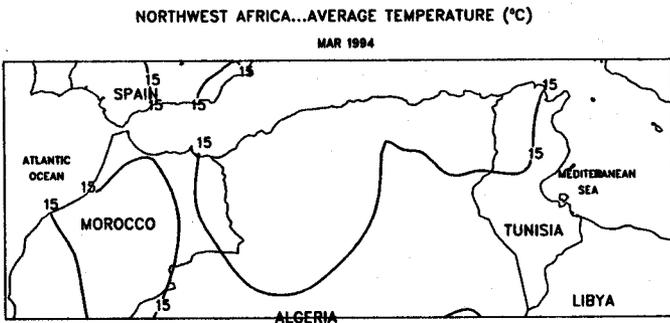
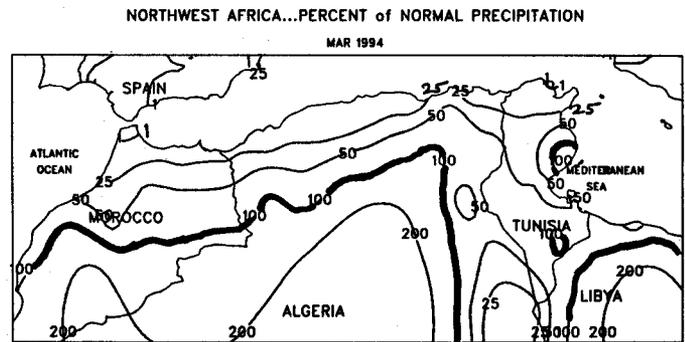
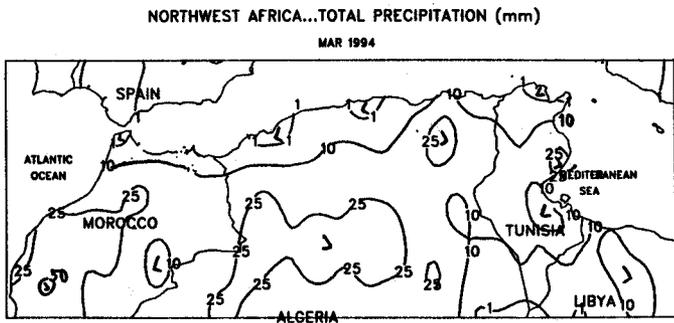


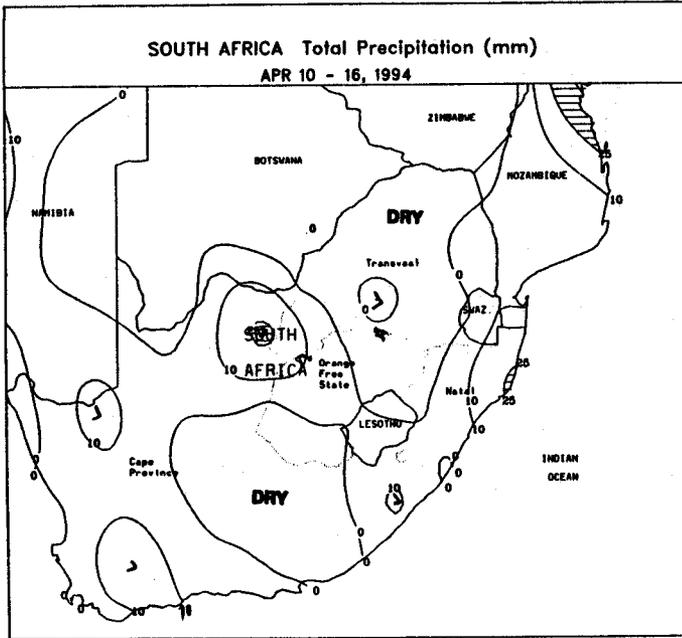
**SOUTH AMERICA:** Mostly dry weather covered the summer crop areas of central Argentina, favoring maturing second-crop soybeans and allowing main-season corn and soybean harvesting to progress. Early-week rains (10-20 mm) slowed harvesting in southern Buenos Aires. Dry weather also prevailed across northern Argentina, benefiting cotton maturation and harvesting. Temperatures averaged 1-3 degrees C above normal across central Argentina. Late-March rains benefited immature soybeans after dryness earlier in the month. Near- to above-normal March rains slowed cotton harvesting in northern Argentina and sunflower seed harvesting in southern Buenos Aires. In southern Brazil, dry weather aided summer crop harvesting across most crop areas, but late-week rains (10-30 mm) slowed fieldwork in Parana and southern Paraguay. Scattered showers (10-80 mm) also slowed harvesting across southern Mato Grosso and Goias. Temperatures averaged 1-3 degrees C above normal across the region. During March, most areas reported near-normal rainfall, allowing summer crop harvesting to proceed on schedule. Above-normal March rains slowed fieldwork across Minas Gerais.



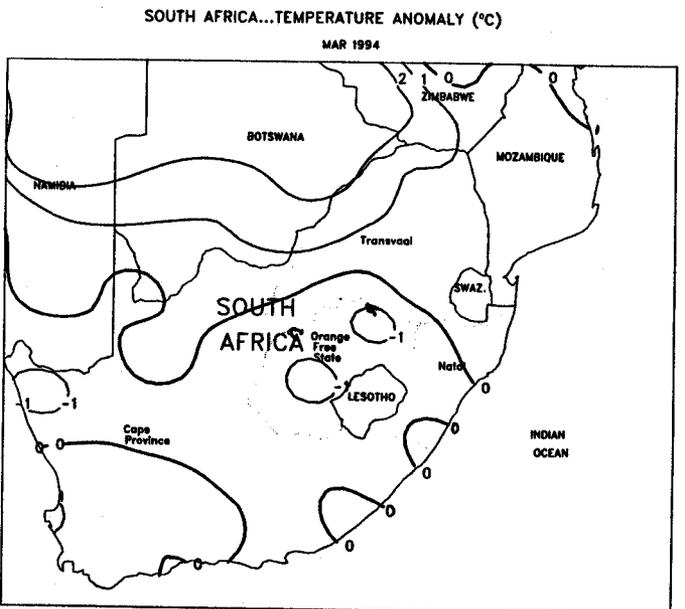
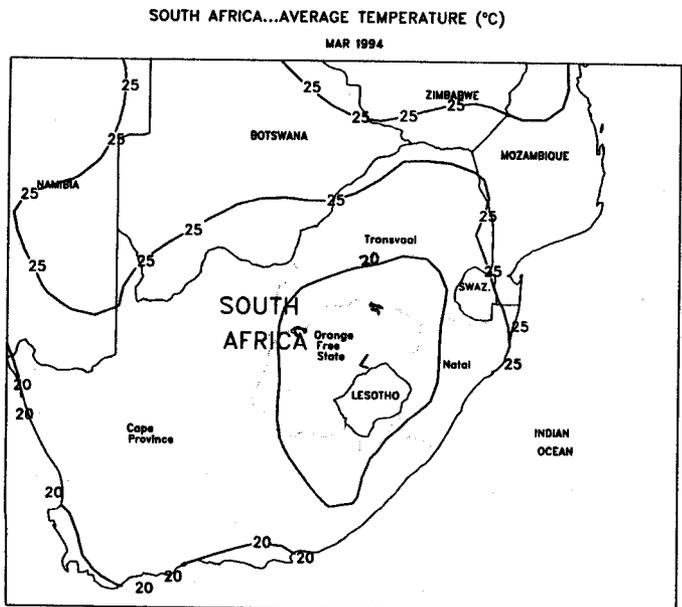
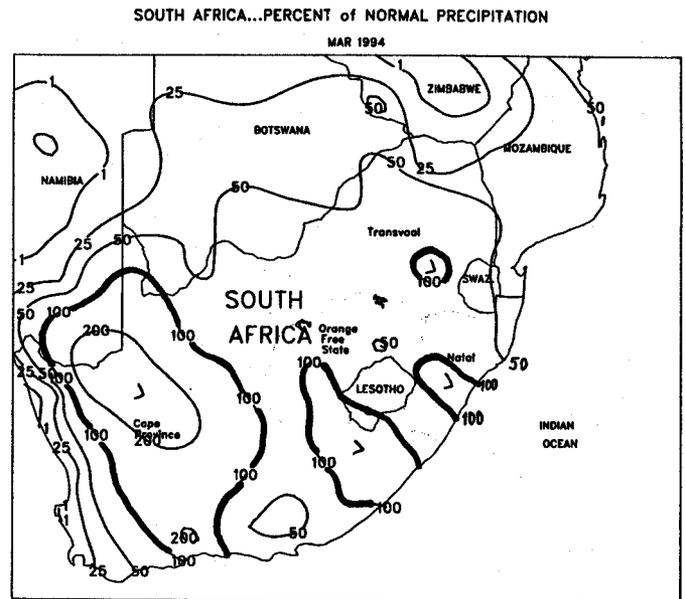
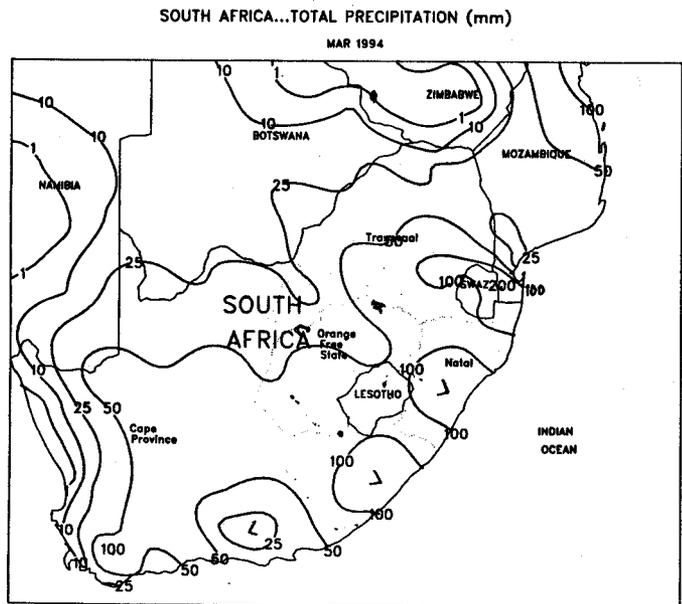


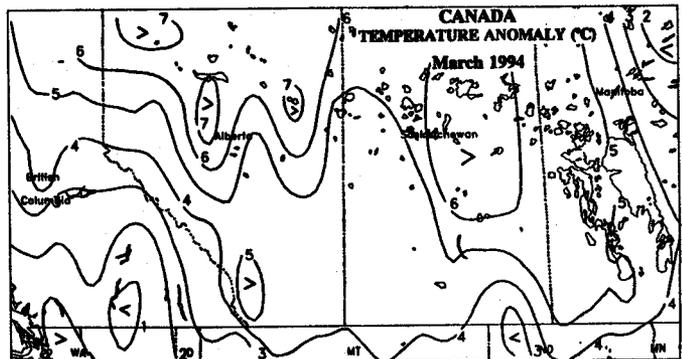
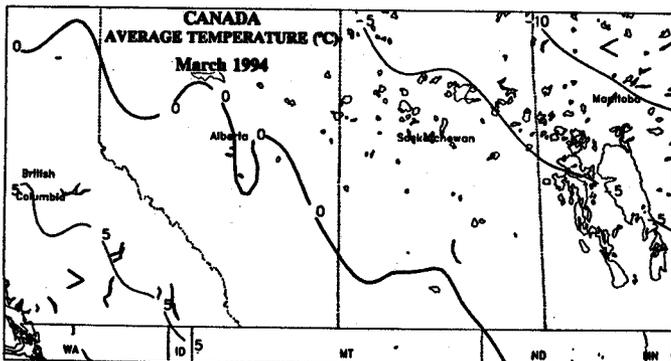
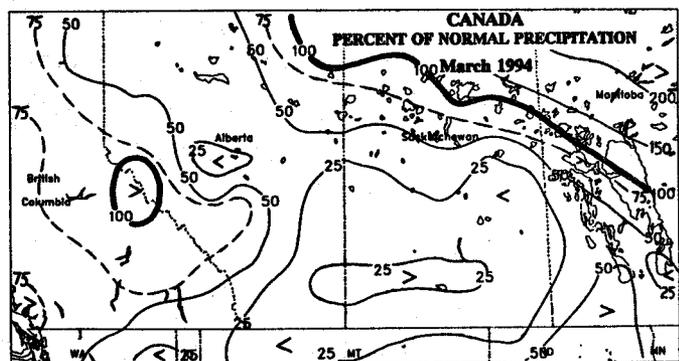
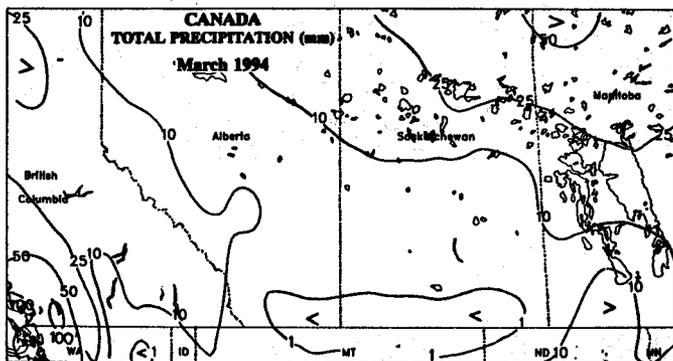
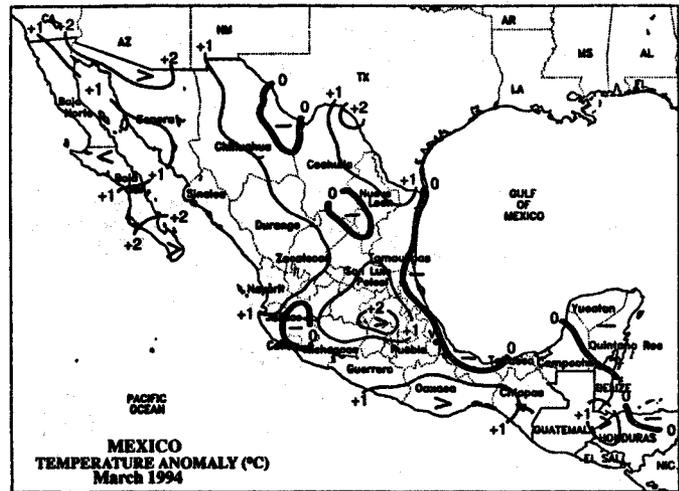
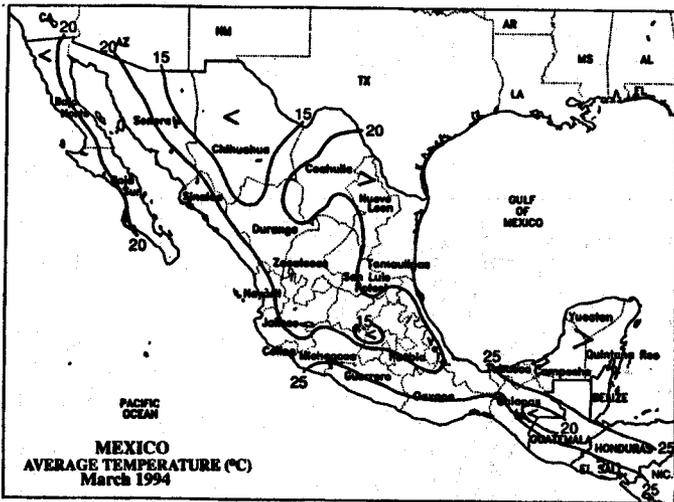
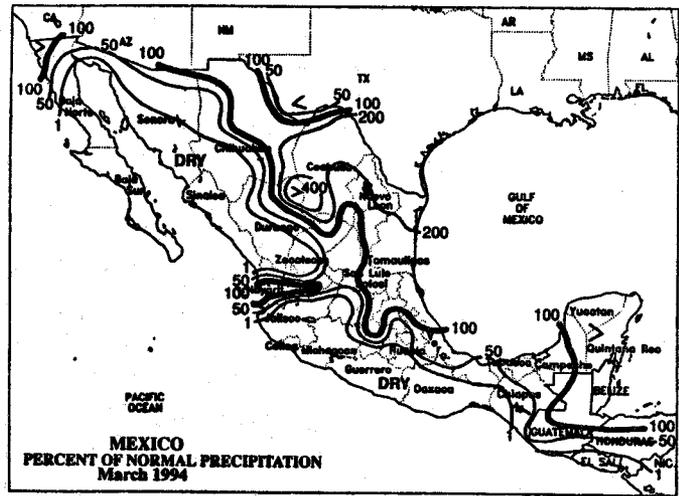
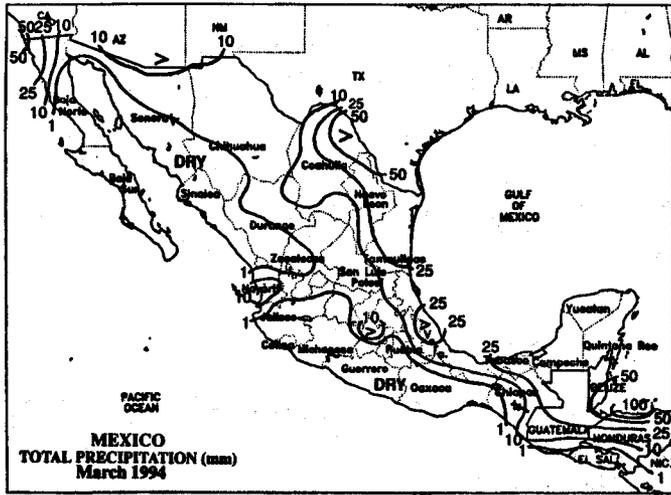
**NORTHWESTERN AFRICA:** In Morocco, the fifth consecutive week of dry weather lowered yield prospects for winter grains in the filling stage. In Algeria and Tunisia, light to moderate rain (10-34 mm) helped to stabilize conditions for winter grains along the coast. However, drought continued to adversely impact crops in major growing areas further inland. In March, northern winter grain areas in Morocco received well-below-normal rainfall, limiting moisture for crops advancing through the heading stage. In southern Morocco, beneficial rain early in the month was followed by dry weather that began around March 8 and lasted through this past week. Mostly dry weather (precipitation less than 8 mm) in western and central Algeria and Tunisia adversely impacted winter grains in or nearing the heading stage. Although greater precipitation (10-37 mm) fell over eastern Algeria, amounts were still below normal.

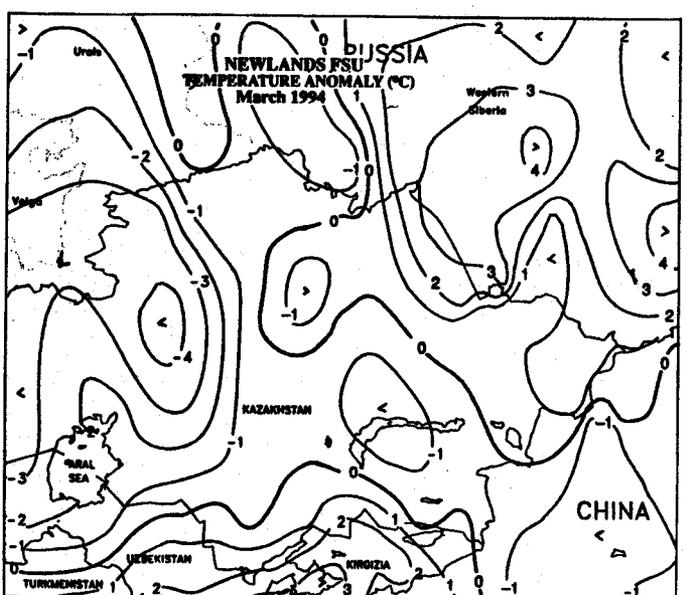
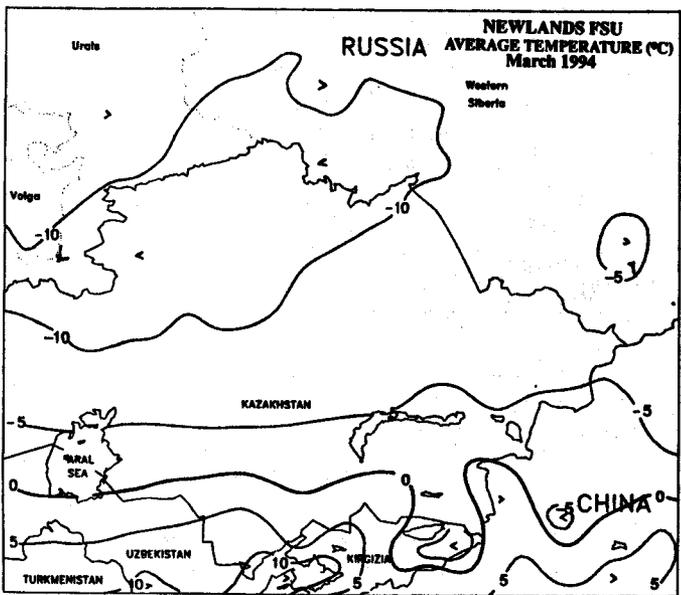
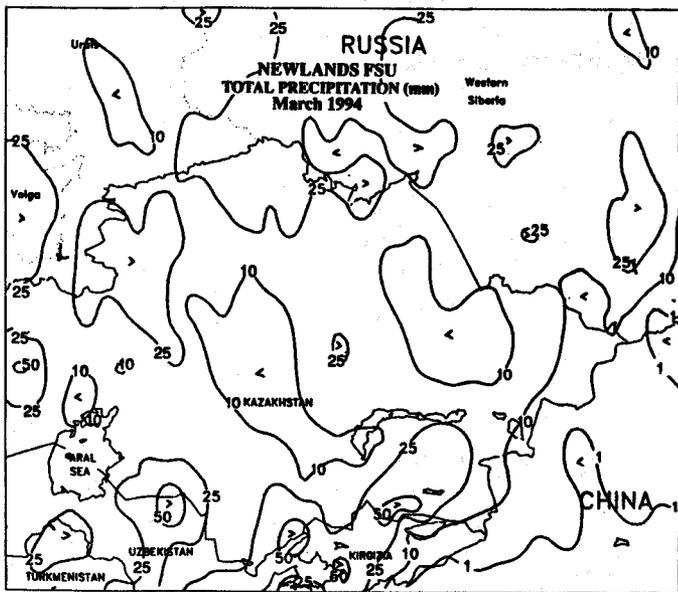




**SOUTH AFRICA:** Dry, warm weather favored corn maturation. In southern Cape Province, light to moderate rain (3-18 mm) fell in sections of the winter wheat belt, increasing topsoil moisture for planting, which typically begins in May. During March, a drying trend developed over western corn areas, following months of wetter-than-normal weather. The sunnier skies aided filling corn and helped alleviate excessive wetness in fields. Eastern corn areas received near- to above-normal rainfall, helping late-developing crops. However, drier-than-normal weather persisted over most sugarcane areas, further reducing production potential. In early March, showers soaked sections of the wheat belt, but came too early to help winter wheat prospects.







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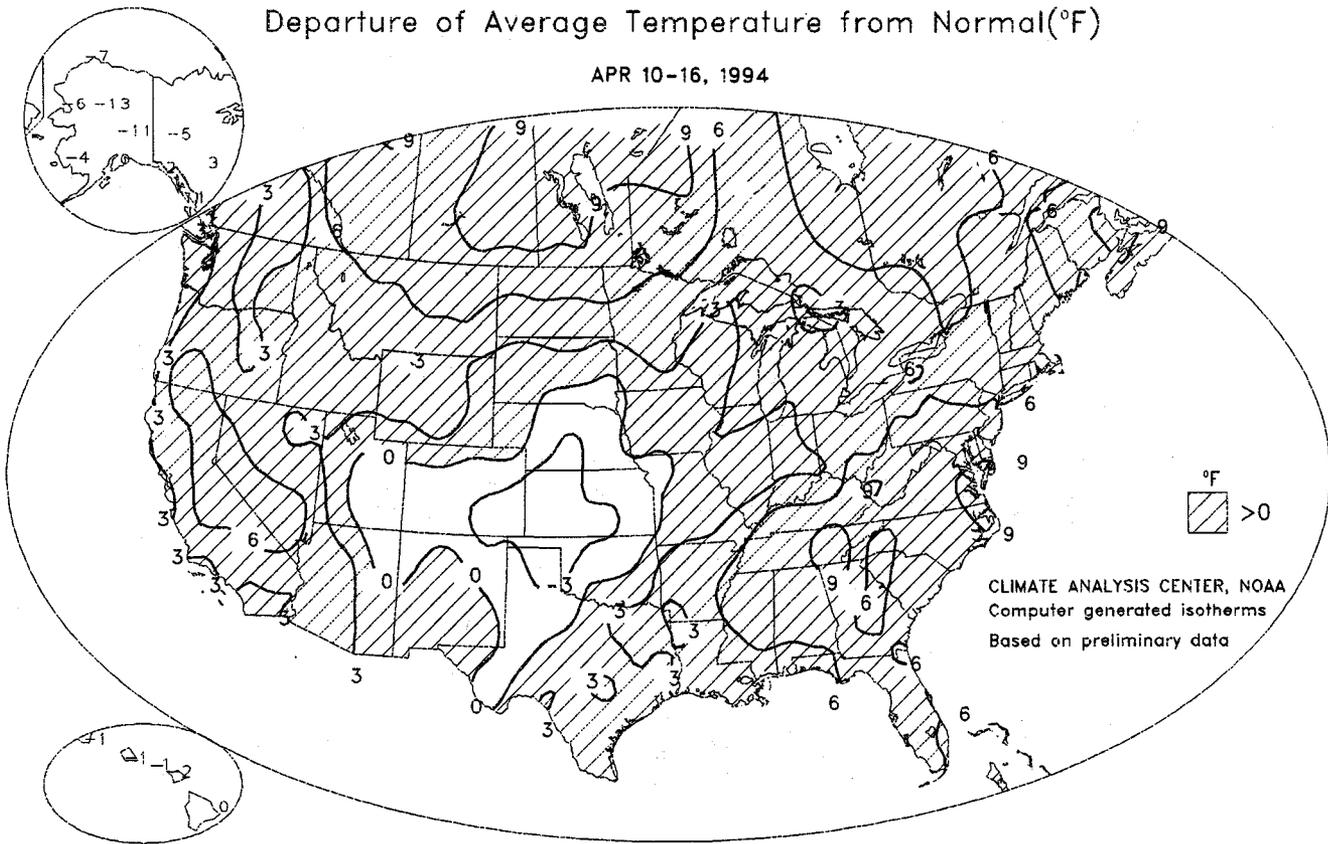
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