

# WEEKLY WEATHER AND CROP BULLETIN

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

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

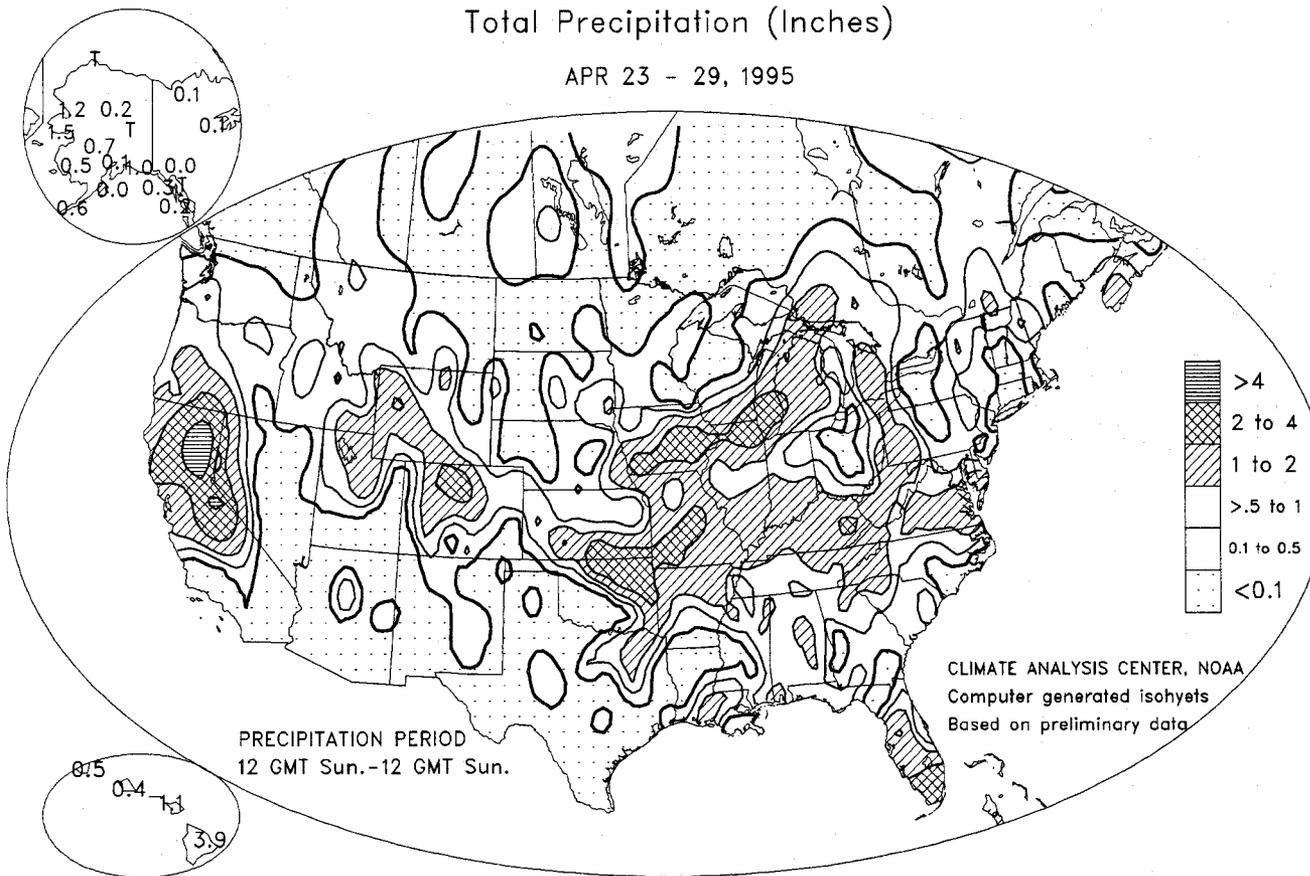
Volume 82, No. 18

Washington, D.C.

May 2, 1995

## Total Precipitation (Inches)

APR 23 - 29, 1995



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

PRECIPITATION PERIOD  
12 GMT Sun. - 12 GMT Sun.

## HIGHLIGHTS

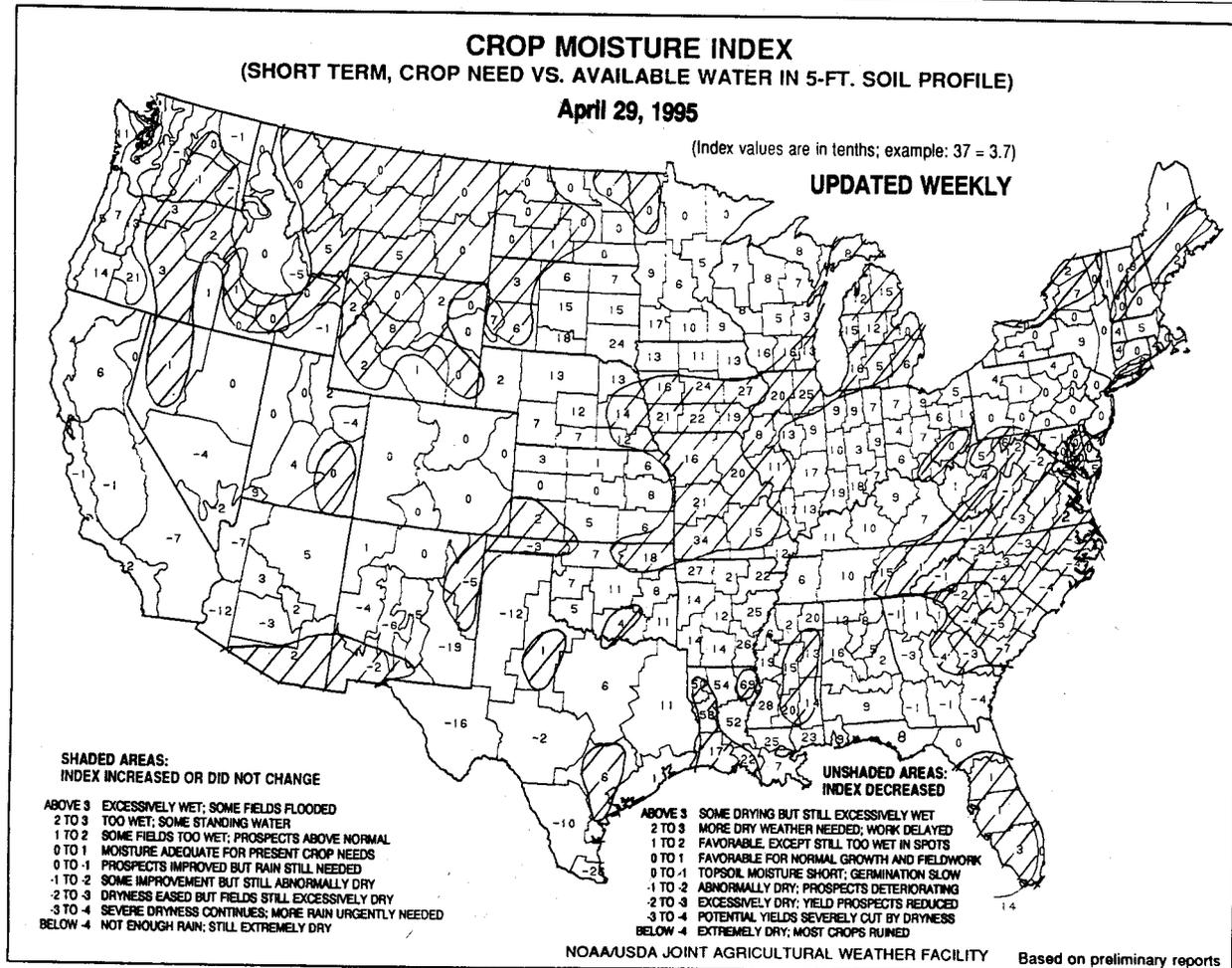
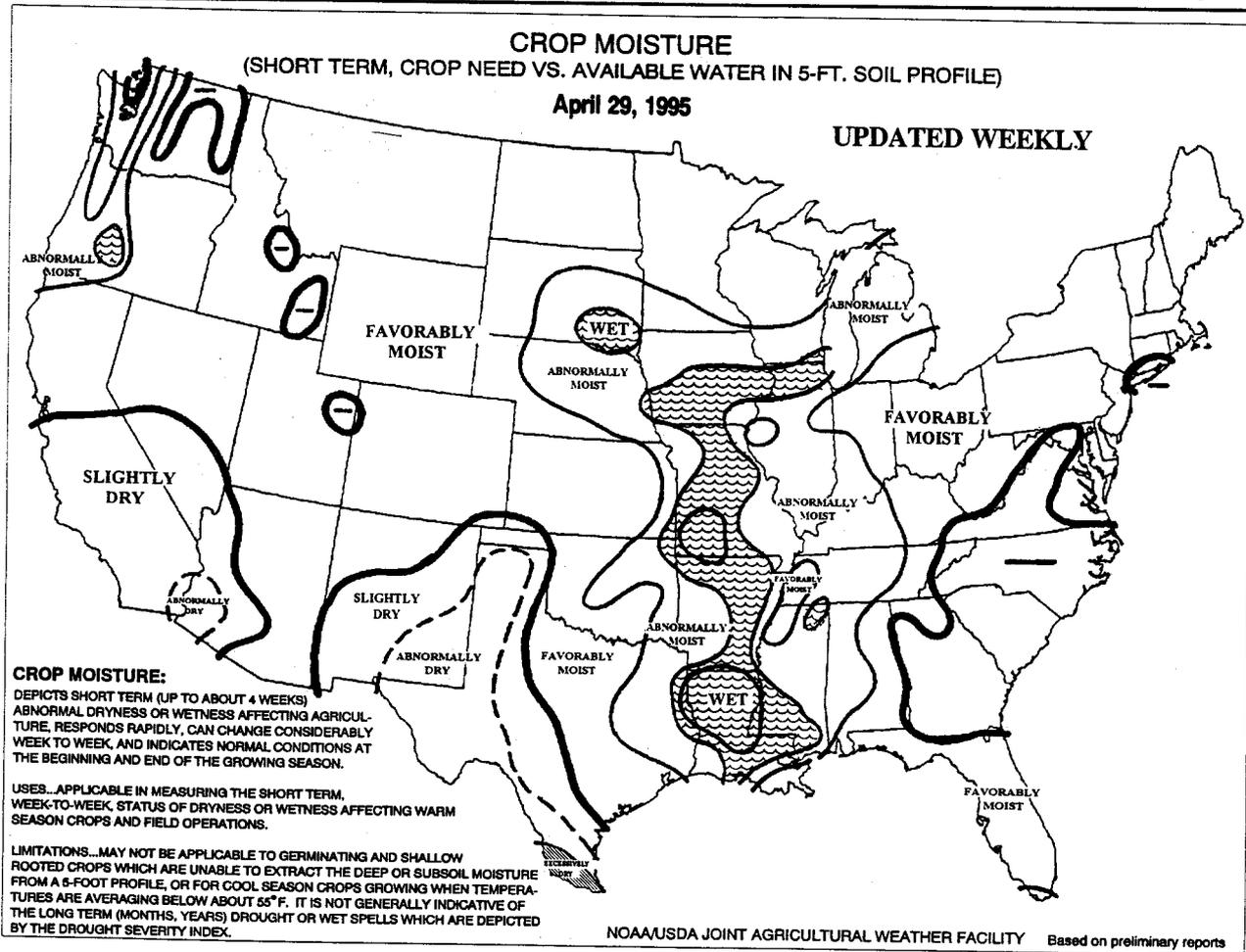
April 23 - 29, 1995

A west-to-east procession of storms brought cool, unsettled weather to the northern Plains and the Corn Belt, further delaying planting progress. The main storm track remained north of the Mississippi Delta, allowing the region to recover from last week's deluge. Farther west, very cool air trailed each storm into the Plains, causing possible additional damage to the winter wheat crop. Toward week's end, a late-season shot of precipitation overspread northern California.

Early in the week, a storm system traveled from the Tennessee Valley to the East Coast. Near the storm's center, wet snow fell in the central Appalachians, and highs only reached 52°F in Paducah, KY (on Sunday) and 50°F in Washington, DC (on Monday). Much-needed rain dampened the

(Continued to p. 16)

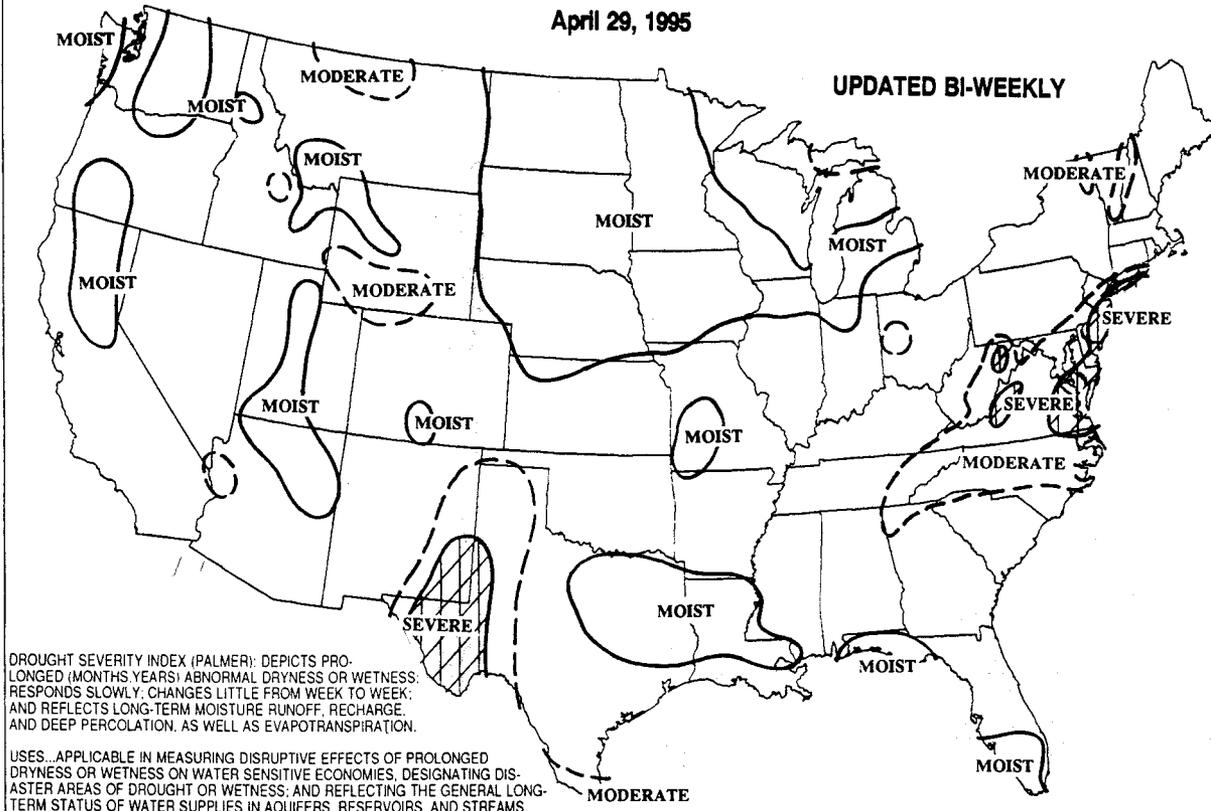
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**DROUGHT SEVERITY**  
(LONG TERM, PALMER)

April 29, 1995

UPDATED BI-WEEKLY



DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS-YEARS) ABNORMAL DRYNESS OR WETNESS. RESPONDS SLOWLY. CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.

USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.

LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

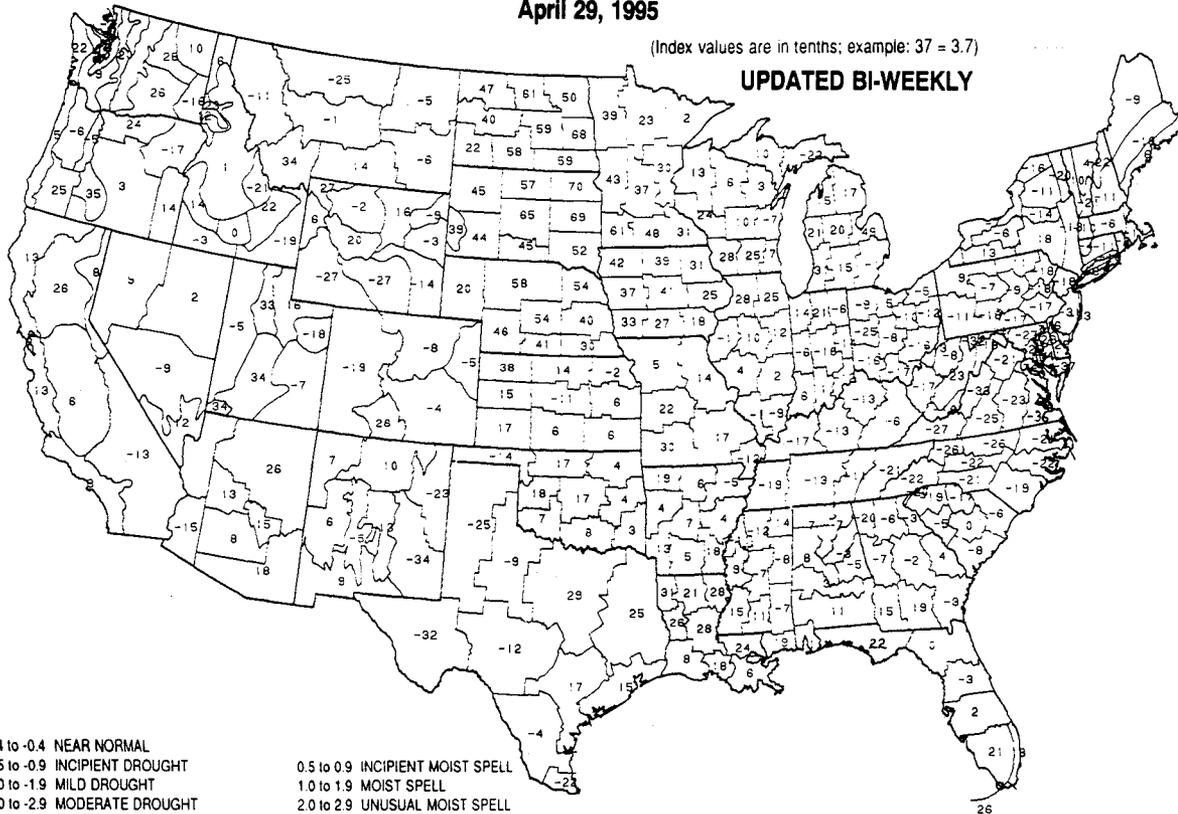
Based on preliminary reports

**DROUGHT SEVERITY INDEX BY DIVISION**  
(LONG TERM, PALMER)

April 29, 1995

(Index values are in tenths; example: 37 = 3.7)

UPDATED BI-WEEKLY



0.4 to -0.4 NEAR NORMAL  
-0.5 to -0.9 INCIPIENT DROUGHT  
-1.0 to -1.9 MILD DROUGHT  
-2.0 to -2.9 MODERATE DROUGHT  
-3.0 to -3.9 SEVERE DROUGHT  
BELOW -4.0 EXTREME DROUGHT

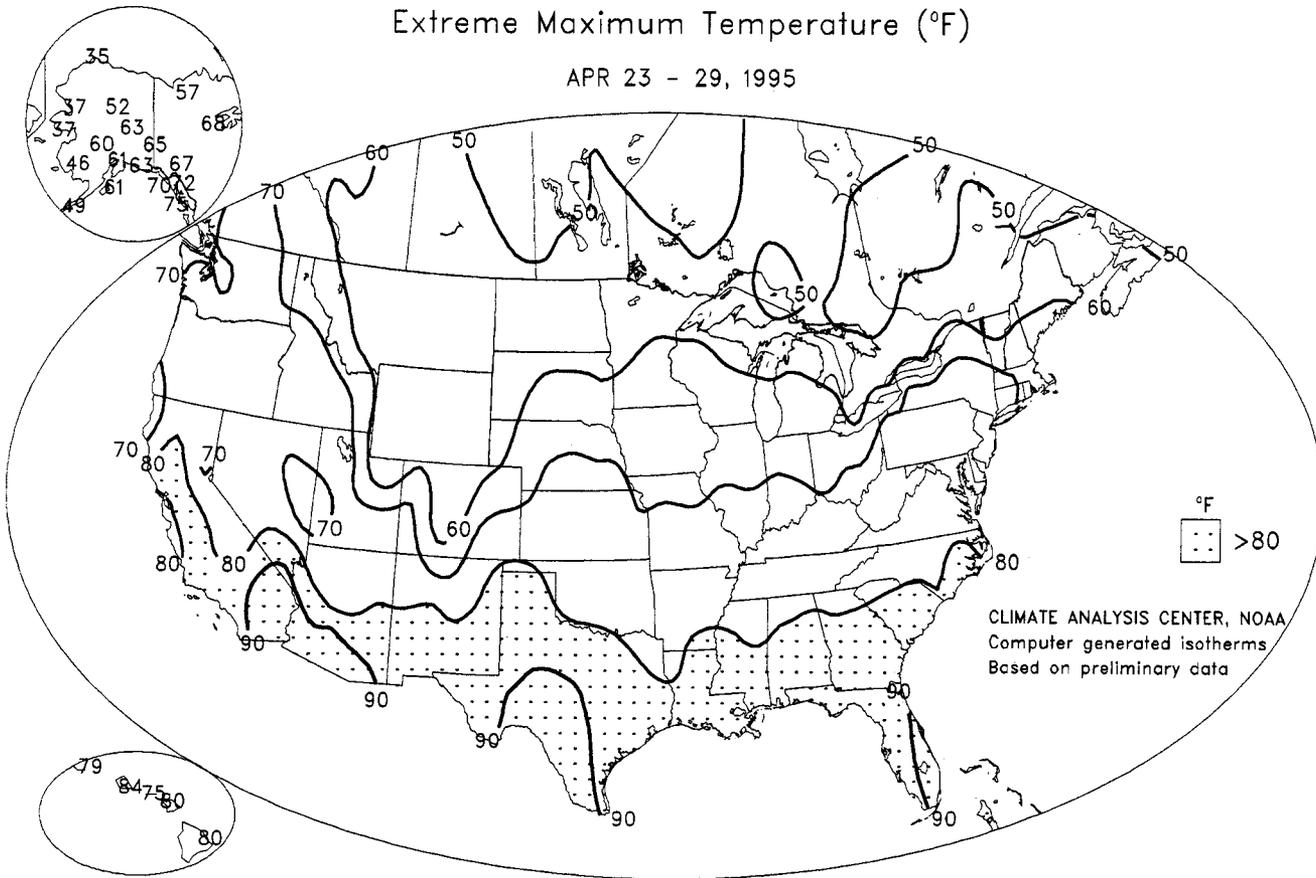
0.5 to 0.9 INCIPIENT MOIST SPELL  
1.0 to 1.9 MOIST SPELL  
2.0 to 2.9 UNUSUAL MOIST SPELL  
3.0 to 3.9 VERY MOIST SPELL  
ABOVE 4.0 EXTREME MOIST SPELL

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

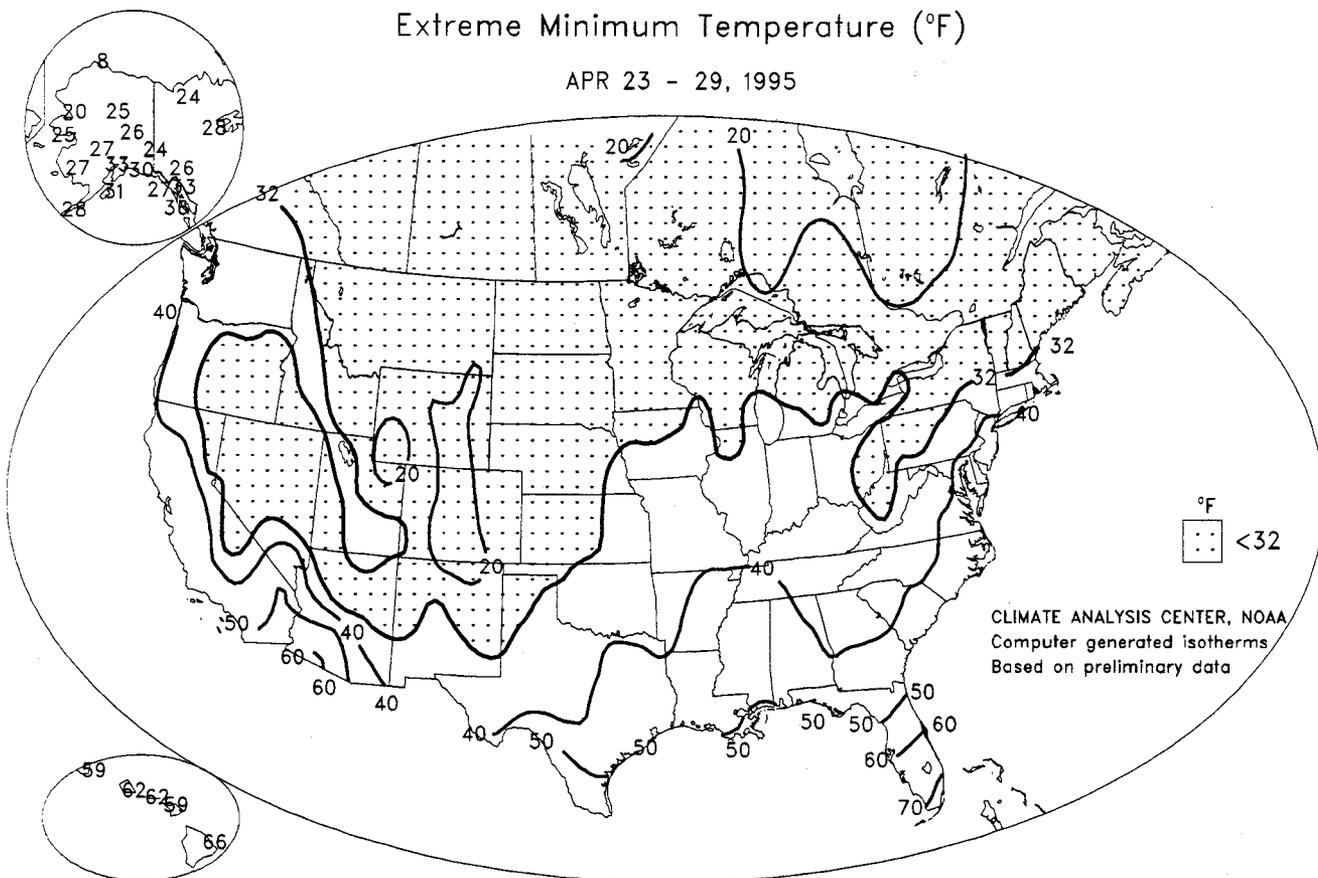
Extreme Maximum Temperature (°F)

APR 23 - 29, 1995



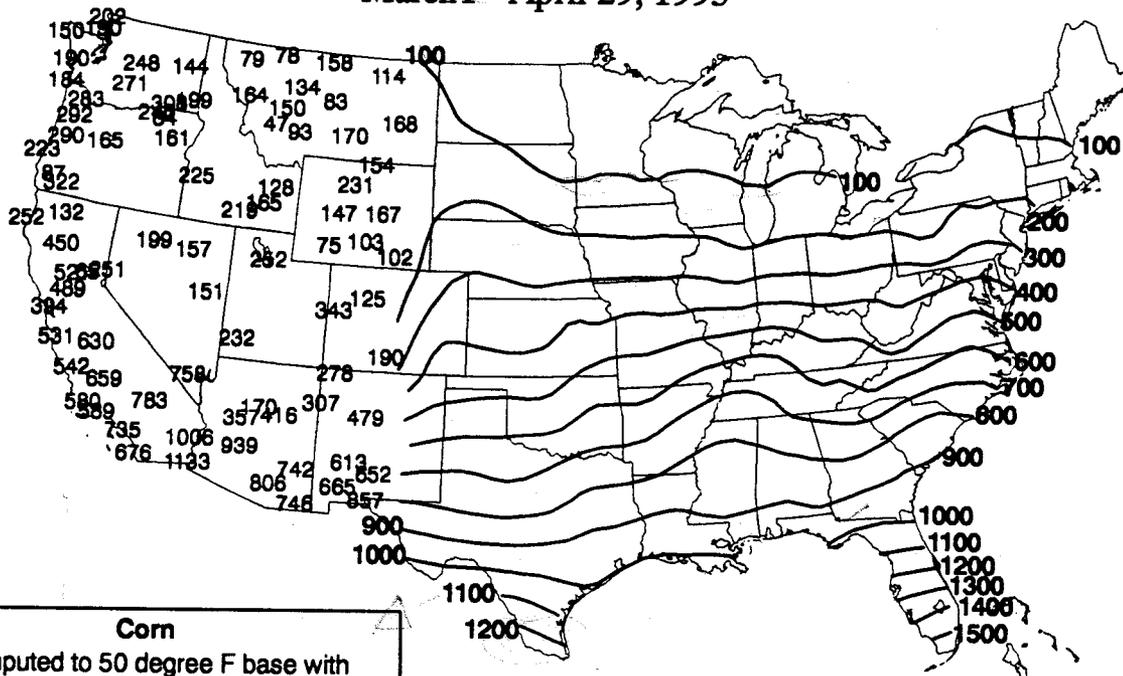
Extreme Minimum Temperature (°F)

APR 23 - 29, 1995



### Total Growing Degree Days (Corn)

March 1 - April 29, 1995

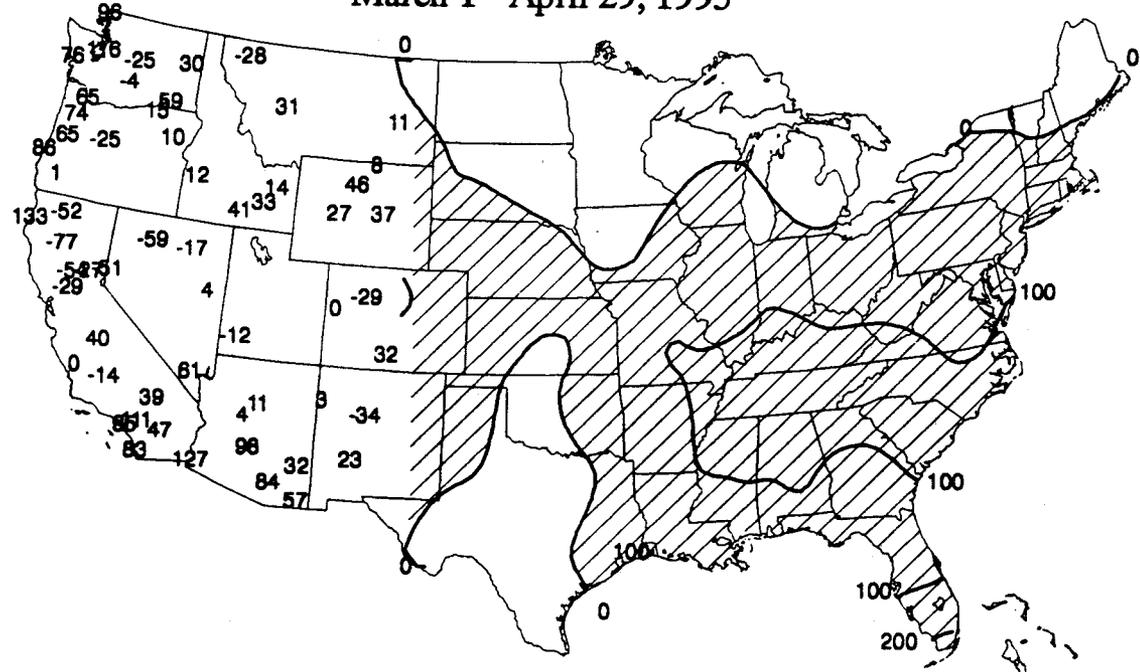


**Corn**  
Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
Based on preliminary data

### Growing Degree Days Departure from Normal

March 1 - April 29, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
Based on preliminary data

# National Weather Data for Selected Cities

Weather Data for the Week Ending April 29, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE		32 AND BELOW
													.01 INCH OR MORE				.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	74	46	80	39	60	-.5	.6	-.6	.6	8.1	73	15.6	75	92	42	0	0	1	1
MOBILE	77	54	82	48	65	-.5	1.7	-.7	1.7	16.0	149	25.8	123	86	34	0	0	1	1
MONTGOMERY	77	49	83	42	63	-.3	1.6	-.4	1.6	7.9	76	20.0	96	92	40	0	0	1	1
AK ANCHORAGE	50	38	61	33	44	4	.1	-.1	.1	1.0	69	2.5	84	81	53	0	0	1	1
BARROW	33	18	35	8	26	21	7	0	7	4	100	19	143	94	84	0	0	7	7
FAIRBANKS	55	31	63	26	43	6	7	0	7	4	58	1.0	59	86	30	0	0	5	5
JUNEAU	60	38	72	33	49	7	7	0	7	4	56	1.0	94	49	0	0	1	1	
KODIAK	53	39	61	31	46	6	7	0	7	4	125	25.0	117	90	63	0	0	1	1
NOME	35	30	37	25	33	10	1.5	1.4	.6	2.1	176	5.1	197	97	87	0	0	5	5
AZ PHOENIX	89	60	93	53	75	2	0	0	0	1.3	117	3.0	122	43	11	3	0	1	1
PRESCOTT	72	43	76	32	57	5	0	0	0	1.3	50	4.3	75	51	17	0	0	1	1
TUCSON	90	52	94	44	71	2	0	0	0	1.0	80	3.6	140	43	8	5	0	0	0
YUMA	91	63	94	59	77	3	0	0	0	1.3	81	1.9	206	36	10	6	0	0	0
AR FORT SMITH	67	45	77	38	56	-.8	0	0	0	1.3	81	1.9	206	36	10	5	0	0	0
LYTTLE ROCK	69	49	77	42	59	-.7	0	0	0	1.3	89	11.0	89	97	47	0	0	0	0
CA BAKERSFIELD	84	52	87	45	68	2	7	0	7	4	92	14.3	90	77	40	0	0	0	0
FUREKA	59	47	63	42	53	2	7	0	7	4	4.2	7.3	208	40	16	0	0	0	0
FRESNO	81	57	87	48	67	3	8	0	8	3	225	32.5	172	90	49	0	0	0	0
LOS ANGELES	71	55	82	51	63	2	0	0	0	2	6.9	247	13.3	203	81	29	0	0	0
REDDING	72	48	83	44	60	-.1	1.9	1.6	1.1	6.4	237	19.7	260	80	50	0	0	0	0
SACRAMENTO	72	50	82	46	61	2	0	0	0	1.6	288	43.1	255	91	33	0	0	0	0
SAN DIEGO	72	57	83	54	65	2	0	0	0	2	246	21.7	211	99	46	0	0	0	0
SAN FRANCISCO	64	50	79	46	57	1	0	0	0	1	189	14.8	251	78	46	0	0	0	0
CO DENVER	52	32	61	22	42	-.9	1.1	0	0	1	223	19.1	160	92	54	0	0	4	4
GRAND JUNCTION	66	39	74	30	53	-.4	1.1	0	0	1	65	3.0	75	95	45	0	0	4	4
FURBLO	60	32	74	21	46	-.9	1.1	0	0	1	133	3.8	123	82	26	0	0	1	1
CT BRIDGEPORT	64	45	68	39	54	2	0	0	0	1	3.3	3.5	156	91	37	0	0	3	3
HARTFORD	65	42	73	37	53	1	0	0	0	1	5.4	7.3	112	82	70	0	0	0	0
DC WASHINGTON	67	46	78	45	57	-.3	0	0	0	1	3.7	10.8	77	61	31	0	0	0	0
FL PALM BEACH	80	61	86	53	70	2	0	0	0	1	2.7	7.6	68	73	38	0	0	0	0
DAYTONA BEACH	81	64	90	55	72	1	0	0	0	1	3.3	6.2	61	90	51	0	0	0	0
JACKSONVILLE	81	54	91	45	68	-.3	0	0	0	1	8.8	9.4	72	95	45	1	0	0	0
KEY WEST	84	74	89	71	79	1	1.8	1.3	1.0	3.8	111	8.1	112	86	66	0	0	0	0
MIAMI	85	73	91	70	79	2	1.8	1.0	1.6	8.3	163	12.9	140	86	58	2	0	0	0
ORLANDO	83	65	90	59	74	1	0	0	0	2	2.9	5.6	54	94	57	1	0	0	0
TALLAHASSEE	81	53	88	43	67	-.2	0	0	0	1	7.8	13.7	68	87	38	0	0	0	0
TAMPA	82	65	89	58	74	1	0	0	0	1	3.5	9.0	98	88	57	0	0	0	0
WEST PALM BEACH	84	71	93	69	78	2	2.4	1.5	1.2	5.0	86	8.2	74	88	59	1	0	0	0
GA ATLANTA	74	50	82	41	62	-.2	0	0	0	1	4.7	14.8	76	83	38	0	0	4	4
AUGUSTA	77	47	85	38	62	-.3	0	0	0	1	2.9	13.2	82	93	35	0	0	0	0
MACON	79	47	85	38	63	-.4	0	0	0	1	3.5	14.8	85	91	33	0	0	0	0
SAVANNAH	80	55	88	44	68	-.1	0	0	0	1	1.4	21	8.3	62	88	39	0	0	0
HI HILO	78	67	80	66	73	0	3.9	0	0	2.5	11.7	41	17.8	36	93	76	0	0	0
HONOLULU	82	66	84	62	74	-.3	0	0	0	1	6.3	9.1	96	82	53	0	0	0	0
KAHULUI	77	64	80	59	71	-.4	0	0	0	1	3.6	8.0	7.2	63	87	65	0	0	0
LIHUE	77	64	79	59	70	-.4	0	0	0	1	5.7	11.6	69	82	59	0	0	0	0
ID BOISE	65	39	74	32	52	1	0	0	0	1	4.3	5.2	103	73	30	0	0	1	2
LEWISTON	64	45	72	41	55	2	0	0	0	1	0	2.8	63	68	38	0	0	0	0
POCATELLO	60	33	71	27	46	-.2	0	0	0	1	6	5.9	134	79	33	0	0	3	4
IL CHICAGO	56	41	64	32	49	-.4	2.3	1.5	1.8	7.1	115	10.8	118	86	39	0	0	1	5
MOLINE	61	38	65	31	49	-.5	2.0	1.0	1.3	7.5	112	11.4	119	89	41	0	0	2	5
PEORIA	61	40	65	33	51	-.5	1.0	0	0	1	6	9.7	102	92	44	0	0	0	4
QUINCY	60	40	66	34	50	-.7	0	0	0	1	8	7.8	81	76	42	0	0	0	3
ROCKFORD	57	39	65	30	48	-.4	2.0	1.1	1.4	5.9	98	7.8	92	97	43	0	0	2	5
SPRINGFIELD	62	40	73	33	51	-.6	0	0	0	1	90	10.6	105	88	43	0	0	4	0
IN EVANSVILLE	65	44	75	37	54	-.7	0	0	0	1	8.1	13.8	89	83	39	0	0	0	4
FORT WAYNE	62	39	69	34	50	-.3	0	0	0	1	6.9	10.1	101	78	39	0	0	0	2
INDIANAPOLIS	62	39	71	37	51	-.6	0	0	0	1	5.8	9.1	75	87	44	0	0	0	5
SOUTH BEND	59	39	62	33	49	-.3	0	0	0	1	5.8	9.9	91	88	41	0	0	0	5
IA DES MOINES	58	40	64	34	49	-.5	2.6	1.7	1.7	8.7	154	10.4	136	83	45	0	0	0	3
SIOUX CITY	57	38	65	30	48	-.7	0	0	0	1	6	7.3	134	89	50	0	0	1	5
WATERLOO	58	37	63	30	48	-.5	1.1	0	0	1	7.1	8.0	109	91	40	0	0	1	4
IS CONCORDIA	64	40	73	30	52	-.5	0	0	0	1	3.8	4.6	80	87	42	0	0	1	1
DODGE CITY	64	37	76	30	51	-.7	1.2	0	0	1	115	4.9	105	93	42	0	0	2	3
GOODLAND	59	34	70	28	47	-.6	0	0	0	1	118	3.2	103	93	47	0	0	3	3
TOPEKA	63	41	71	34	52	-.6	0	0	0	1	4.9	7.0	94	88	49	0	0	0	2
WICHITA	63	39	69	31	51	-.10	1.0	0	0	1	102	6.2	84	94	48	0	0	1	2
KY BOWLING GREEN	65	41	75	36	53	-.7	0	0	0	1	5	3.5	50	97	49	0	0	0	2
LEXINGTON	62	39	71	36	51	-.7	0	0	0	1	8	7.2	88	14.4	101	82	45	0	0
LOUISVILLE	64	43	74	39	54	-.6	0	0	0	1	4.7	9.6	64	87	38	0	0	0	3
LA BATON ROUGE	77	53	84	47	65	-.6	1.6	0	0	1	10.4	20.1	142	98	55	0	0	0	1
LAKE CHARLES	78	57	83	48	67	-.4	0	0	0	1	10.4	16.1	125	95	55	0	0	0	1
NEW ORLEANS	77	55	84	46	66	-.5	0	0	0	1	11.7	20.3	100	89	42	0	0	0	1
SHEREVEPORT	72	52	80	42	62	-.6	0	0	0	1	11.6	14.8	128	92	48	0	0	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending April 29, 1995

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	48	29	56	25	39	-4	.1	.6	.1	4.3	90	12.7	139	82	43	0	7	1	0		
ME PORTLAND	56	36	63	28	46	-1	.2	.7	.2	4.3	56	12.8	88	82	41	0	2	2	0		
MD BALTIMORE	69	45	81	42	57	0	.2	.5	.2	3.1	49	7.3	58	81	36	0	0	2	0		
MD SALISBURY	67	44	78	41	55	-1	1.2	.5	1.2	3.8	52	7.6	53	96	39	0	0	3	0		
MA BOSTON	60	45	67	41	52	-1	.1	.8	.4	3.6	51	10.5	73	68	36	0	0	1	0		
MA CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
MI ALPENA	49	32	53	26	40	-5	1.3	.8	1.1	4.1	96	6.7	93	85	50	0	4	3	1		
MI DETROIT	58	39	66	34	48	-3	.2	.5	.2	5.2	96	8.6	96	80	42	0	0	2	0		
MI FLINT	55	35	62	31	45	-5	1.1	.4	.9	3.9	78	6.7	88	87	44	0	0	2	0		
MI GRAND RAPIDS	55	36	62	31	46	-5	1.7	.9	1.5	5.4	91	9.0	98	90	42	0	0	2	0		
MI HOGGOTHON LAKE	54	34	60	28	44	-3	1.1	.6	1.0	4.5	109	7.3	106	83	39	0	0	2	0		
MI LANSING	54	34	62	29	44	-3	1.0	.3	.9	4.9	97	8.4	109	93	38	0	0	2	0		
MI MARQUETTE	47	31	52	23	39	-3	.1	.6	.0	5.6	106	10.0	108	89	51	0	4	4	1		
MI HOSKING	54	37	61	32	45	-4	1.2	.6	.7	4.5	84	8.6	94	92	44	0	1	3	1		
MI SAULT ST. MARIE	46	31	52	26	38	-5	1.3	.8	1.2	5.9	127	9.5	108	95	42	0	4	4	1		
MN ALEXANDRIA	50	34	57	28	42	-6	.1	.5	.1	3.0	85	4.0	78	92	48	0	3	1	0		
MN DULUTH	51	32	56	28	41	-2	.6	.0	.6	4.2	102	6.6	108	82	38	0	4	1	1		
MN INT'L FALLS	49	29	54	26	39	-5	.2	.3	.1	1.8	70	3.5	86	83	43	0	5	2	0		
MN MINNEAPOLIS	59	37	65	31	48	-3	.2	.5	.1	4.0	94	4.6	76	84	32	0	2	3	0		
MN ROCHESTER	55	36	65	30	45	-5	.1	.6	.0	5.9	134	6.5	109	92	47	0	1	2	0		
MS GREENWOOD	74	50	82	44	62	-5	.6	.6	.6	13.2	123	18.9	94	94	43	0	0	1	1		
MS JACKSON	73	49	82	43	61	-6	1.5	.2	1.5	14.2	126	19.9	92	91	48	0	0	1	1		
MS MERIDIAN	76	49	82	43	62	-4	1.7	.5	1.7	13.0	108	20.4	90	97	45	0	0	1	1		
MO CAPE GIRARDEAU	64	44	73	37	54	-7	1.5	.5	.8	5.3	57	12.2	79	91	41	0	0	5	2		
MO COLUMBIA	61	41	71	33	51	-6	2.0	1.1	1.0	7.9	119	14.4	146	91	49	0	0	4	1		
MO KANSAS CITY	62	41	70	33	52	-7	.5	.4	.3	2.9	52	5.6	73	82	47	0	0	4	0		
MO SAINT LOUIS	64	46	76	39	55	-6	1.3	.5	.6	6.5	94	12.2	113	85	41	0	0	4	2		
MO SPRINGFIELD	62	41	73	36	51	-8	3.3	2.3	2.3	9.1	119	14.6	129	89	49	0	0	4	2		
MT BILLINGS	51	32	59	28	42	-8	.3	.2	.1	3.1	110	3.9	90	88	41	0	2	4	0		
MT GLASGOW	51	30	59	25	41	-8	.3	.2	.1	2.1	196	2.1	123	84	35	0	5	0	0		
MT GREAT FALLS	49	29	56	22	39	-8	.4	.0	.2	2.9	117	3.0	76	97	47	0	6	4	0		
MT HAVRE	52	29	63	21	40	-8	.3	.0	.1	2.2	141	2.4	100	92	42	0	6	3	0		
MT HELENA	51	30	60	26	41	-6	.2	.1	.2	1.4	86	1.5	56	87	38	0	5	1	0		
MT KALISPELL	57	34	60	25	45	-1	.3	.3	.3	2.9	141	4.5	96	81	31	0	2	0	0		
MT MILES CITY	51	29	60	20	40	-10	.3	.4	.3	2.1	110	2.5	85	89	33	0	6	0	0		
MT MISSOULA	59	38	66	28	48	1	.1	.2	.0	1.3	71	2.6	65	70	27	0	2	2	0		
NE GRAND ISLAND	59	35	72	27	47	-8	.3	.7	.3	3.7	86	4.4	80	94	45	0	3	0	0		
NE LINCOLN	61	39	73	33	50	-6	.9	.2	.6	6.2	131	7.4	124	90	36	0	0	3	1		
NE NORFOLK	59	36	65	28	47	-7	.2	.4	.1	6.3	154	7.2	135	88	42	0	1	4	0		
NE NORTH PLATTE	60	33	70	25	47	-5	.1	.5	.1	3.4	110	3.6	92	93	36	0	4	2	0		
NE OMAHA	59	39	65	34	49	-7	1.6	.9	.9	5.7	123	6.9	113	88	46	0	0	3	2		
NE SCOTTSBLUFF	54	30	60	23	42	-8	.2	.2	.2	2.4	94	4.1	116	93	41	0	5	4	0		
NE VALENTINE	53	29	65	22	41	-12	.1	.5	.0	1.8	54	2.4	55	90	41	0	5	2	0		
NV RLY	62	31	69	23	47	-2	.2	.1	.2	2.8	148	4.4	133	87	24	0	4	2	0		
NV LAS VEGAS	84	59	89	49	71	4	0	0	0	4	65	3.5	218	39	13	0	0	0	0		
NV RENO	67	40	73	33	54	3	.3	.1	.1	2.1	291	6.6	209	76	18	0	0	1	0		
NV WINNEVOCCA	65	31	74	23	48	-1	.7	.5	.6	3.7	167	4.3	144	79	21	0	4	2	1		
NH CONCORD	60	34	67	26	47	-1	.2	.5	.2	4.1	74	9.5	90	73	30	0	3	2	0		
NJ ATLANTIC CITY	64	41	73	39	53	-1	.3	.5	.3	2.1	30	6.8	50	78	40	0	0	1	0		
NM ALBUQUERQUE	72	44	81	37	58	0	.3	.1	.1	.9	88	1.8	93	55	17	0	0	0	0		
NM CLOVIS	69	38	80	28	54	-6	0	.3	.0	.6	46	1.2	51	77	23	0	2	0	0		
NM ROSWELL	78	42	88	31	60	-4	.0	.1	.0	.4	51	..	..	51	18	0	2	0	0		
NY ALBANY	62	38	75	30	50	0	.3	.5	.3	4.1	71	8.2	78	78	33	0	2	1	0		
NY BINGHAMTON	58	38	73	31	48	-1	.4	.3	.3	4.0	68	9.0	85	72	35	0	2	2	0		
NY BUFFALO	56	38	75	33	47	-2	.2	.2	.5	2.8	51	10.3	98	78	37	0	0	1	0		
NY NEW YORK	66	50	70	44	58	3	.3	.2	.2	2.7	37	9.4	71	66	29	0	0	1	0		
NY ROCHESTER	57	37	73	30	47	-3	.2	.4	.4	2.2	46	6.3	70	76	36	0	2	1	0		
NY SYRACUSE	59	38	75	30	49	-1	.4	.4	.4	3.1	52	7.1	68	78	34	0	2	2	0		
NC ASHEVILLE	65	39	71	32	52	-6	.5	.4	.5	3.1	33	13.0	73	96	47	0	1	1	1		
NC CHARLOTTE	70	46	77	39	58	-4	.3	.3	.3	2.2	31	11.0	76	80	43	0	0	2	0		
NC GREENSBORO	69	43	76	36	56	-5	.2	.5	.1	2.3	35	8.8	68	79	40	0	0	2	0		
NC HATTERAS	70	53	79	48	62	0	.1	.7	.1	2.1	27	16.8	98	90	52	0	0	2	0		
NC NEW BERN	73	51	84	45	62	-2	.3	.5	.3	2.1	30	5.7	37	92	43	0	0	1	0		
NC RALEIGH	70	44	76	36	57	-5	.2	.4	.2	3.8	61	12.8	95	89	43	0	0	2	0		
NC WILMINGTON	74	52	82	45	63	-1	.3	.7	.3	4.5	61	13.9	84	97	44	0	0	1	0		
ND BISMARCK	49	31	56	26	40	-8	.2	.3	.1	2.6	110	3.3	101	90	44	0	5	3	0		
ND FARGO	52	32	57	27	42	-7	.3	.4	.3	3.3	118	4.7	119	86	40	0	4	2	0		
ND GRAND FORKS	50	33	54	27	42	-6	.2	.4	.3	1.8	82	2.6	75	90	44	0	3	0	0		
ND WILLISTON	49	28	58	23	39	-9	.2	.2	.1	2.0	103	3.1	107	93	37	0	7	3	0		
OH AKRON-CANTON	60	37	68	31	49	-4	.2	.6	.1	4.9	77	11.1	104	80	36	0	1	2	0		
OH CINCINNATI	62	38	69	35	50	-7	.8	.1	.7	6.7	86	12.1	92	86	41	0	0	4	1		
OH CLEVELAND	58	37	68	32	48	-4	.2	.5	.2	6.0	101	13.6	133	91	45	0	2	2	0		
OH COLUMBUS	62	37	71	32	49	-3	.3	.5	.2	4.7	72	10.9	102	89	36	0	1	3	0		
OH DAYTON	60	38	69	35	49	-6	.7	.2	.5	7.8	115	11.7	105	85	42	0	0	4	0		

Based on 1961-90 normals.

Weather Data for the Week Ending April 29, 1995

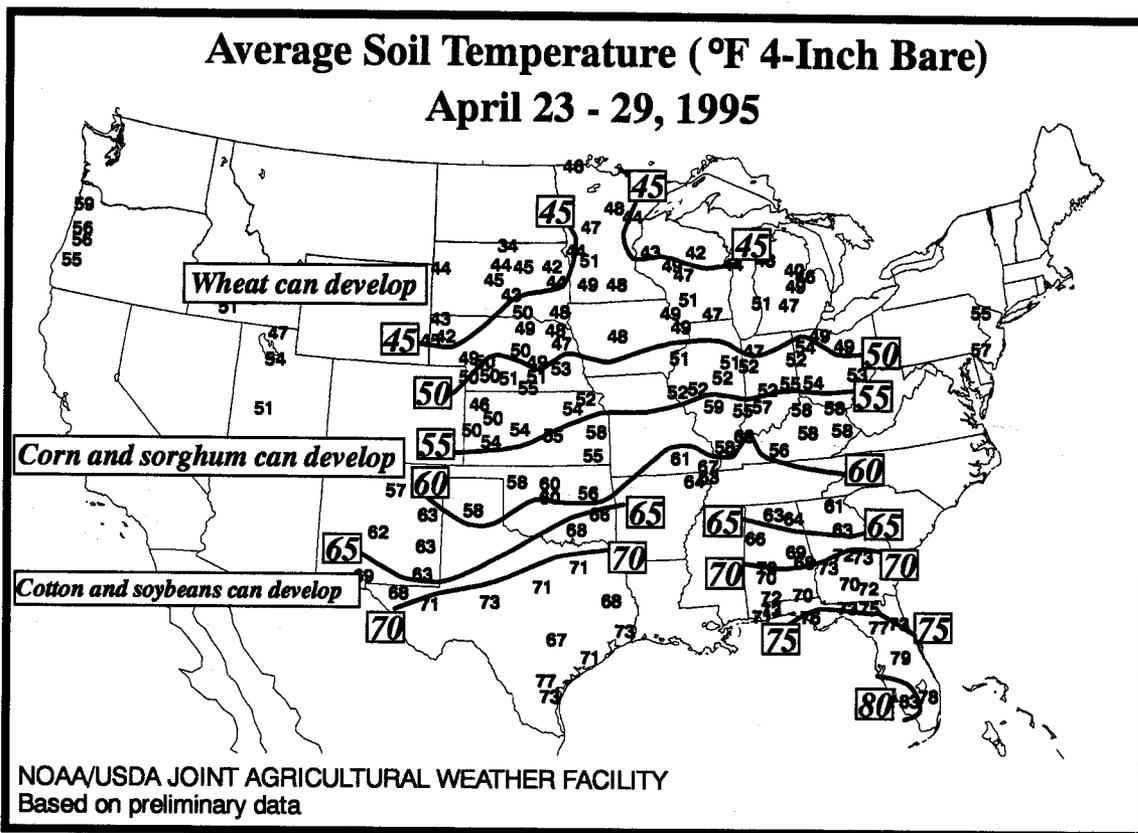
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	62	38	68	34	50	-2	.1	-.6	.1	5.9	106	9.5	106	80	37	0	0	3	0		
YOUNGSTOWN	61	36	72	29	49	-3	.3	-.4	.2	4.1	67	8.1	78	79	38	0	0	2	0		
OK OKLAHOMA CITY	67	42	73	35	55	-9	.2	-.7	.2	5.8	109	7.2	89	94	52	0	0	1	0		
TULSA	66	43	71	38	55	-5	.9	-.1	.6	6.6	93	8.1	77	95	50	0	0	3	1		
OR ASTORIA	59	46	71	38	55	-10	.8	-.1	.4	14.6	126	30.7	105	94	56	0	0	3	1		
BURNS	59	33	70	29	46	3	.4	.2	.5	3.1	192	6.4	187	77	27	0	0	3	0		
MEDFORD	70	43	81	36	56	3	.7	.5	.5	5.0	170	10.9	144	88	29	0	0	3	0		
PENDLETON	64	42	74	39	53	0	1.2	1.0	.7	4.2	191	7.8	161	75	33	0	0	5	1		
PORTLAND	66	45	79	41	56	3	.5	.0	.3	7.5	128	16.2	108	90	47	0	0	3	1		
SALEM	66	41	77	37	54	3	.8	.3	.6	8.9	136	21.8	129	90	43	0	0	3	1		
PA ALLENTOWN	66	41	76	39	54	0	.2	-.7	.1	5.0	75	11.0	86	70	27	0	0	3	1		
ERIE	56	38	73	33	47	-2	.2	-.6	.2	5.1	84	10.2	95	82	39	0	0	4	0		
HARRISBURG	65	43	78	39	54	-1	.2	-.6	.1	2.6	41	7.7	63	83	41	0	0	1	0		
PHILADELPHIA	68	48	79	44	58	3	.2	-.7	.2	3.0	42	8.5	62	73	36	0	0	2	0		
PITTSBURGH	61	37	75	30	49	-4	.2	-.6	.1	3.1	48	7.1	62	79	39	0	3	3	0		
SCRANTON	65	43	77	35	54	2	.1	-.7	.0	3.4	63	7.6	78	64	25	0	0	2	0		
RI PROVIDENCE	64	43	72	39	54	3	.6	-.4	.6	5.3	66	12.1	78	68	34	0	0	1	1		
SC CHARLESTON	77	56	83	45	67	-1	.4	-.2	.4	2.5	36	10.2	74	91	44	0	0	2	0		
COLUMBIA	76	48	84	39	62	-4	.3	-.4	.3	2.6	33	13.8	83	91	34	0	0	2	0		
FLORENCE	76	50	84	40	63	-3	.4	-.2	.4	2.1	30	12.9	95	94	39	0	0	1	1		
GREENVILLE	71	44	78	35	57	-5	1.0	.2	1.0	3.9	42	15.4	87	89	48	0	0	1	1		
SD ABERDEEN	53	34	58	32	44	-6	.1	-.5	.0	4.2	145	5.3	130	89	49	0	2	2	0		
BURON	56	35	63	31	45	-5	.7	-.2	.3	8.3	226	9.0	191	91	46	0	3	3	0		
RAPID CITY	51	30	57	23	40	-9	.2	-.3	.1	2.4	85	3.1	82	90	47	0	4	3	0		
SIoux FALLS	57	35	65	30	46	-5	1.0	.4	.4	9.8	240	10.1	193	96	47	0	2	5	0		
TN CHATTANOOGA	72	43	79	38	58	-4	.4	-.6	.4	5.7	56	17.5	86	93	40	0	0	1	0		
KNOXVILLE	69	43	76	35	56	-4	.4	-.5	.4	5.3	60	14.8	87	90	48	0	0	1	0		
MEMPHIS	68	48	74	44	58	-8	.7	-.4	.4	4.5	42	13.8	73	91	48	0	0	0	0		
NASHVILLE	68	43	74	38	56	-7	.7	-.4	.4	7.7	85	15.1	92	91	43	0	0	3	0		
TX ABILENE	75	48	87	34	61	-7	.0	-.5	.0	2.7	84	4.4	82	83	28	0	0	0	0		
AMARILLO	68	39	85	30	54	-7	.7	-.3	.7	1.6	84	1.9	62	81	27	0	1	0	0		
AUSTIN	76	54	88	47	65	-7	.7	-.8	.7	5.0	116	7.3	89	86	39	0	0	0	0		
BEAUMONT	77	56	83	47	66	-5	.3	-.7	.3	7.6	115	15.0	102	99	51	0	0	1	0		
BROWNSVILLE	81	62	87	53	71	-6	.7	-.5	.7	.6	31	1.4	29	86	43	0	0	0	0		
CORPUS CHRISTI	78	60	84	50	69	-6	.0	-.5	.0	5.2	203	8.2	131	81	41	0	0	0	0		
DEL RIO	82	57	95	47	70	-4	.0	-.7	.0	1.8	55	2.2	37	84	41	1	0	0	0		
EL PASO	83	53	89	41	68	2	.0	-.1	.0	.5	90	1.6	119	30	11	0	0	0	0		
FORT WORTH	74	52	84	41	63	-4	1.5	.5	1.5	13.6	206	16.1	149	89	48	0	0	1	1		
GALVESTON	74	64	80	54	69	-3	.0	-.6	.0	5.6	123	6.9	68	76	50	0	0	0	0		
HOUSTON	78	55	87	46	66	-4	.0	-.9	.0	6.7	104	15.2	110	94	48	0	0	0	0		
LUBBOCK	74	43	85	34	58	-6	.0	-.3	.0	1.3	73	1.9	67	75	22	0	0	0	0		
MIDLAND	79	47	89	33	63	-5	.0	-.3	.0	.6	50	2.0	91	78	19	0	0	0	0		
SAN ANGELO	80	49	95	35	64	-6	.7	-.5	.7	3.7	148	6.8	156	80	25	2	0	1	0		
SAN ANTONIO	80	55	92	41	68	-4	.7	-.7	.7	1.7	42	3.1	42	84	35	1	0	0	0		
VICTORIA	78	56	84	44	67	-5	.0	-.8	.0	4.9	101	6.0	55	89	41	0	0	0	0		
WACO	74	51	86	39	62	-8	.0	-.9	.0	10.8	201	12.8	140	93	48	0	0	0	0		
WICHITA FALLS	73	46	83	37	60	-7	.7	-.8	.7	3.9	73	4.8	56	88	38	0	0	0	0		
UT CEDAR CITY	66	35	70	27	50	0	.0	-.2	.0	3.5	146	4.9	124	72	23	0	3	0	0		
SALT LAKE CITY	63	41	73	35	52	0	.2	-.3	.1	4.2	106	7.1	112	88	37	0	0	3	0		
VT BURLINGTON	56	36	58	27	46	-2	.8	.1	.5	4.0	81	7.1	86	80	34	0	3	4	0		
VA NORFOLK	67	50	79	48	59	-1	1.0	.3	.7	4.7	70	9.9	71	85	46	0	0	2	1		
RICHMOND	68	45	78	40	56	-4	.6	-.1	.5	4.2	64	8.4	66	85	29	0	0	2	1		
ROANOKE	65	41	75	35	53	-6	.5	-.3	.3	2.1	31	11.2	92	83	42	0	0	3	0		
WA QUILLAYUTE	60	43	71	35	52	4	.2	-1.3	.2	15.9	85	41.0	90	97	37	0	0	0	0		
SEATTLE-TACOMA	68	47	71	44	57	7	.1	-.4	.1	6.2	106	15.6	103	92	39	0	0	2	0		
SPOKANE	63	42	67	36	53	4	.5	-.3	.7	4.8	180	9.1	149	68	23	0	0	2	0		
YAKIMA	65	39	77	33	52	0	.5	.4	.5	2.1	183	4.4	143	75	26	0	0	2	0		
WV BECKLEY	59	39	70	33	49	-6	.6	-.3	.5	3.9	59	11.8	94	91	48	0	0	4	1		
CHARLESTON	63	38	75	31	50	-8	1.4	.6	1.2	5.1	75	14.2	111	98	56	0	1	3	1		
HUNTINGTON	63	39	72	33	51	-5	1.0	.1	.9	5.2	74	12.7	97	93	42	0	0	4	1		
PARKERSBURG	62	38	74	33	50	-7	.7	-.8	.7	2.0	27	7.2	54	96	45	0	0	0	0		
WI GREEN BAY	56	34	60	29	45	-3	.3	-.3	.2	4.1	95	5.2	79	85	42	0	1	2	0		
LACROSSE	58	38	67	34	48	-4	..	..	..	..	..	..	59	87	37	0	0	0	0		
MADISON	58	37	66	30	48	-3	1.2	.4	1.0	6.2	119	8.4	113	81	44	0	3	4	1		
MILWAUKEE	56	41	67	37	48	0	1.4	.6	.9	5.6	93	8.0	87	85	47	0	0	3	2		
WAUSAU	55	34	62	28	44	-4	.2	-.6	.1	3.7	80	4.4	69	83	34	0	3	2	0		
WY CASPER	48	28	57	19	38	-8	1.0	.5	.3	2.2	89	4.0	111	94	46	0	5	5	0		
CHEYENNE	48	28	58	23	38	-8	.5	.1	.2	1.5	63	2.6	85	88	56	0	6	5	0		
LANDER	47	30	55	26	39	-8	1.5	.9	.8	3.6	113	5.1	121	98	51	0	5	5	1		
SHERIDAN	47	29	57	23	38	-9	1.1	.6	.5	2.6	100	4.5	112	93	58	0	4	4	0		
PR SAN JUAN	88	73	93	71	80	1	.1	-1.0	.1	4.3	72	11.4	104	89	56	1	0	2	0		

Based on 1961-90 normals.

# National Agricultural Summary

April 24 - 30, 1995

**HIGHLIGHTS:** Surplus soil moisture and cool weather in the Midwest limited fieldwork and delayed corn planting. Cooler-than-normal weather in Illinois raised farmers' concern about late plantings and disease problems in wheat. Some yellowing of wheat fields was reported in Midwestern saturated fields. In Iowa, surplus soil conditions and cold weather left fewer than 2 days suitable for fieldwork, leaving seedbed preparation behind the average. Fieldwork in North Dakota, normally starting by mid-April, has fallen 2 weeks behind schedule. Small grain planting in North Dakota was just starting in isolated areas. In the Ohio and Tennessee Valleys, cool, wet weather slowed fieldwork, but brought favorable moisture for corn germination and growth. Heavy rainfall in Arkansas required some cotton fields to be replanted. In California, field activities slowly resumed until the late-week rainfall slowed progress. Emerged cotton fields showed good growth and development, but replanting was underway where low soil temperatures caused poor germination. Scattered rains in the Southeastern States brought much-needed moisture, but some dry areas remained. Despite low soil temperatures, spring wheat farmers in the Northern States were forced to plant oats and other crops so they would not miss the planting season altogether.



The Nation's winter wheat crop was in mostly good to fair condition. Damage from past freezing temperatures continued to be evaluated. Wheat progress in Kansas was well ahead of normal, with wheat jointing at 99 percent (%), 17 percentage points ahead of the 5-year average. Northern Kansas experienced freezing temperatures on April 27 with potential damage to winter wheat. Previous cold weather damaged wheat stands in southwestern Kansas. Freeze damage is heaviest in southwestern Kansas, where 39% of the acreage sustained moderate damage and 35% sustained severe damage. Foliar diseases were reported in eastern Kansas, while light to moderate greenbug problems were reported in southwestern Kansas. Rust and other wheat diseases were reported in the lower Mississippi Valley. A late frost in Ohio damaged the tips of wheat, and some wheat leaves were yellowing from too much moisture. Low temperatures in the Texas High Plains may have caused additional damage to the already weakened wheat crop. Scattered rainfall came too late to provide much benefit for some Texas wheat fields, where windy conditions caused soil drying. Wheat rated as good to excellent in California fell by 10 points, from 70% last week to 60% this week. High winds caused some lodging of wheat in California. Wheat headed in the 19 major producing States was 23% complete, up 9 points from last week and 1 point ahead of the average. Wheat headed in Arkansas was 32 points ahead of the average.

Spring wheat seeding was 14% complete, up 9 points from last week but 35 points below the average. Saturated fields and low soil temperatures blocked farmers from planting in the Dakotas. Some producers were considering switching from small grains to late-season row crops. North Dakota producers were 34 points behind the seeding average.

Corn planted was 10% complete for the 17 major producing States, 28 points behind last year and 13 points below the average. Illinois and Iowa were 18 and 20 points behind the average, respectively. Corn planting in Indiana was 5% complete, up 2 points from last week and 11 points behind the average. Cold, wet soil continued to leave the Corn Belt States behind the average for corn planting. Cold temperatures in Texas early in the week slowed corn development, with some disease problems reported.

Cotton planting was 25% complete, up 7 points from last week and 5 points behind the average for the Nation. California cotton planting increased 20 points from last week, but remained below the average by 35 points. Arizona cotton planting was 80% complete, up 15 points from last week. As weather conditions permitted, Texas cotton planting progressed to 19% complete, up 4 points from last week and equal to the average. In Louisiana, rains compacted the soil in some areas to the extent that cotton cannot emerge. Most cotton cropland preparation has been completed in the Texas Plains.

Sorghum planting was 20% complete for the 12 major producing States, up 2 points from last week and 1 point below the average. Planting was delayed by rains in Louisiana, at 26% complete, up 2 points but behind the average by 19 points. Grain sorghum planting continued but only in the Texas Plains. Seedling disease and surplus moisture has caused some weak stands in central Texas.

Rice seeding was 57% complete, 15 points ahead of the average for the five major producing States. California was 6 points behind the average. Mississippi rice planting was 80% complete, up 10 points from last week and 39 points ahead of the average. Arkansas rice planting was 63% complete, up 8 points from last week and 27 points ahead of the average. Rice headed in the five major producing States was 35% complete, 1 point ahead of the average. Rice was 50% emerged in Mississippi, 25 points ahead of the average. Rice planting was winding down in Texas, where producers continued to flush emerged fields.

# Crop Progress and Condition

Week Ending April 30, 1995

Spring Wheat Percent Planted Selected States				
	CW	LW	LY	AVG
ID	81	65	86	79
MN	3	0	35	51
MT	44	14	47	55
ND	2	0	16	36
SD	6	1	70	80
ALL	14	5	34	49

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

Cotton Percent Planted Selected States				
	CW	LW	LY	AVG
AL	51	36	44	49
AZ	80	65	86	76
AR	8	7	37	16
CA	50	30	88	85
GA	38	22	43	26
LA	21	16	72	45
MS	27	21	73	33
MO	5	3	10	8
NM	39	24	57	57
NC	22	13	20	20
OK	4	3	3	2
SC	24	12	44	28
TN	15	10	9	9
TX	19	15	23	19
ALL	25	18	40	30

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

Rice Percent Planted Selected States				
	CW	LW	LY	AVG
AR	63	55	62	36
CA	1	0	13	7
LA	67	64	70	68
MS	80	70	93	41
TX	70	60	76	71
ALL	57	50	61	42

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

Rice Percent Emerged Selected States				
	CW	LW	LY	AVG
AR	33	13	62	36
CA	0	0	0	0
LA	55	46	58	54
MS	50	47	64	25
TX	45	40	33	41
ALL	35	24	49	34

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

Winter Wheat Percent Headed Selected States				
	CW	LW	LY	AVG
AR	91	71	68	59
CA	95	90	96	92
CO	0	0	0	0
GA	96	85	98	91
ID	0	0	0	0
IL	2	0	0	1
IN	2	0	0	0
KS	6	1	4	9
MI	0	0	0	0
MO	19	6	3	6
MT	0	0	0	0
NE	0	0	0	0
NC	68	43	50	57
OH	0	0	0	0
OK	63	33	56	55
OR	0	0	0	0
SD	0	0	0	0
TX	46	30	43	47
WA	0	0	0	0
ALL	23	14	20	22

These 19 States produced 92% of the 1994 winter wheat crop.

Corn Percent Planted Selected States				
	CW	LW	LY	AVG
CO	8	3	26	25
GA	96	93	98	95
IL	8	5	40	26
IN	5	3	31	16
IA	2	0	59	22
KS	17	10	47	43
KY	60	53	39	34
MI	1	0	9	5
MN	2	0	29	15
MO	26	25	45	32
NE	3	1	29	20
NC	86	66	74	75
OH	7	3	42	19
PA	10	3	9	7
SD	0	0	10	5
TX	75	60	75	80
WI	0	0	14	6
ALL	10	7	38	23

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

Sorghum Percent Planted Selected States				
	CW	LW	LY	AVG
AR	42	32	53	35
CO	0	0	0	1
IL	0	0	0	0
KS	0	0	0	1
LA	26	24	42	45
MS	47	44	65	42
MO	8	7	6	6
NE	0	0	0	0
NM	0	0	0	5
OK	6	3	6	6
SD	0	0	0	0
TX	59	54	68	62
ALL	20	18	23	21

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

Winter Wheat Crop Condition by Percent Selected States					
State	VP	P	F	G	EX
AR	0	2	24	60	14
CA	0	0	40	35	25
CO	3	8	21	52	16
GA	0	20	49	31	0
ID	0	2	25	60	13
IL	0	0	6	72	22
IN	0	1	12	70	17
KS	6	11	28	43	12
MI	1	4	20	47	28
MO	1	8	28	54	9
MT	1	5	52	37	5
NE	0	1	20	69	10
NC	1	10	54	33	2
OH	0	3	19	53	25
OK	9	6	24	55	6
OR	3	13	34	39	11
SD	0	2	21	67	10
TX	15	20	33	26	6
WA	2	5	23	63	7
ALL	5	9	27	48	11
Prev Wk	4	9	27	48	11
Prev Yr	1	11	38	45	5

CW-Current Week  
 LW-Last Week  
 LY-Last Year (week ending Apr. 30, 1994)  
 AVG-5 yr. average

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

## State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

**ALABAMA:** Rainfall none to 0.59 in. north; none to 0.36 in. central; none to 0.02 in. south. Temperatures ranged from 3 to 9° below normal. Lows 31 to 44° north; 33 to 43° central; 36 to 48° south. Highs 77 to 83° north, 76 to 84° central; 83 to 89° south.

Days suitable for fieldwork 3.9. Topsoil moisture 3% short, 82% adequate, 15% surplus. Percent acreage prepared 85%, 80% 1994, 79% avg. Corn planted 89%, 76% 1994, 81% avg. Sorghum planted 10%, 20% 1994, 23% avg. Peanuts planted 24%, 20% 1994, 33% avg. Wheat headed 85%, 69% 1994, 71% avg. Wheat condition 4% very poor, 9% poor, 35% fair, 49% good, 3% excellent. Pasture condition 1% poor, 33% fair, 55% good, 11% excellent. Livestock condition 2% poor, 12% fair, 81% good, 5% excellent. Activities: Spring plowing, planting, general care of livestock, poultry, catfish.

**ARIZONA:** Temperatures 1° below to 4° above normal. Extremes 21°; 88° higher elevations; 36°; 98° deserts. No precipitation.

Sunshine returns, plants begin comeback. Cotton 21% poor, 39% fair, 38% good, 2% excellent. Small grains 1% very poor, 2% poor, 20% fair, 35% good, 42% excellent; 98% heading, 98% 1994, 97% avg. Alfalfa 1% fair, 64% good, 35% excellent. Harvest 1% light, 34% moderate, 65% active. Potatoes, dry onions, cauliflower shipped western fields. Vegetables shipped central areas included potatoes, head lettuce, carrots, cabbage, broccoli, green onions, mixed greens, dry onions, parsley, romaine, kale. Head lettuce, tomatoes available from eastern growers. Grapefruit, Valencia oranges shipped from western, central packers. Peaches available western, central areas. Range, pasture conditions remain good. Showers, warmer days have improved grass growth. Just over half of rangeland was in fair to good condition; nearly half excellent. Cattle, calves in fair to good condition. Stock water, soil moisture supplies mostly adequate. Insect damage rated as very light.

**ARKANSAS:** Temperatures 5 to 10° below normal with scattered midweek showers, heavy rains end of week. Extremes 33°; 80°. Precipitation none to 2.13 in.

Days suitable for fieldwork 4. Soil moisture 70% adequate, 30% surplus. Producers were planting rice, corn, cotton, grain sorghum. Cotton replanting in the southeast was necessary due to heavy rainfall. Rust, septoria leaf blotch, barley yellow dwarf virus reported in wheat. Strawberry harvest underway. Tomatoes being staked, tied in south. Producers continue vaccinating calves. Livestock in good condition.

**CALIFORNIA:** Strong ridge of high pressure dominated early week, with above normal temperatures, no precipitation. Late-week weather systems, accompanied by subtropical moisture, moved over northern half, brought precipitation most areas. Southern California remained dry. Temperatures slightly above normal for week.

Field activities gradually resumed, most areas, until late week rainfall slowed progress, central, northern counties. Small grains showed improved growth, many fields received last irrigation. Rice fields flooded, sprayed water weevils in final preparation for planting. Rice planting underway, few areas. Over-wintered sugarbeets harvested, conditions permitting. Planting new crop sugarbeets ongoing. Emerged fields irrigated, weeded. Garbanzo beans, fungicides applied. Corn, safflower planted. Cotton planting active, San Joaquin Valley; winding down, desert counties. Emerged cotton fields good growth, development. Replanting underway where low soil temperatures caused poor germination. Alfalfa, small grains, winter forages cut hay, greenchopped. Alfalfa weeds, weevils sprayed. Sudangrass planted, desert counties. Grape growers were irrigating, cultivating, removing suckers from vines, treating weeds, mildew. Stone fruit growers, thinned fruit, controlled weeds. Apricots suffered damage, hail, frequent showers. Harvest began early peach varieties, desert areas; cherries Stockton area. Apple growers sprayed worms, coddling moth. Some frost damage observed, Riverside County apples. Fig crop progressed well. Strawberries producers faced severe rot, soft fruit. Valencia orange, lemon harvest continued, steady pace. Navel orange harvest wound down. Walnuts sprayed, blight. Almond, pistachio orchards, irrigated, treated weeds. Asparagus harvest, Stockton delta, Salinas Valley continued. Artichokes, Monterey County harvested. Broccoli, cauliflower harvest proceeded, Mon-

terey, San Luis Obispo counties, San Joaquin Valley. Cabbage harvest continued, Riverside County; carrot harvest, Kern County, Imperial Valley. Celery harvest Ventura-Oxnard area continued. Spring head, leaf lettuce fields harvested Monterey County, San Joaquin Valley. Melons planted, Sacramento, San Joaquin, Coachella valleys. Imperial Valley melons picked. Onions harvested, Imperial, Riverside counties. Bell peppers planted, Fresno, Stanislaus counties. Spring potato harvest continued, Kern county. Summer potatoes planted, Riverside County. Sweet corn harvested, Riverside County. Sweet potatoes planted, Merced County. Stanislaus, Tulare counties, spinach harvested. Fresh market tomato transplanting continued, San Joaquin Valley. Growers planted processing tomatoes, Sacramento, San Joaquin valleys. Other crops harvested: oriental vegetables, fava beans, ginger root, green onions, radishes, bok choy, sugar and snap peas, squash, turnips, zucchini. Range, pasture conditions varied depending on location. Below normal temperatures along coastal areas, higher elevations slowed growth of grass. Most areas remained green, continued to thrive in late April rains. Feed supplies, plentiful. Spring calving, active. Livestock, excellent condition.

**COLORADO:** Low pressure systems provided precipitation most of the week with the heaviest amounts falling the 28th, 29th, and 30th. Up to 3.00 in. of rain were reported in the eastern plains. The temperatures were below normal all week.

Days suitable for fieldwork 2.5. Topsoil moisture 1% very short, 11% short, 75% adequate, 13% surplus. Subsoil moisture 7% very short, 31% short, 57% adequate, 5% surplus. Spring barley 65% seeded, 67% 1994, 72% avg; 32% emerged, 46% 1994, 44% avg. Oats 56% seeded, 70% 1994, 68% avg; 22% emerged, 44% 1994, 43% avg. Dry onions 72% planted, 94% 1994, 86% avg; condition 2% poor, 11% fair, 62% good, 25% excellent. Sugar beets 94% planted, 100% 1994, 94% avg; condition 1% very poor, 5% poor, 18% fair, 53% good, 23% excellent. Summer potatoes 49% planted, 90% 1994, 68% avg. Spring wheat 37% seeded, 44% 1994, 44% avg; 14% emerged, 26% 1994, 18% avg. Winter wheat 3% pastured, 3% 1994, 5% avg; 55% jointed, 53% 1994, 47% avg. Livestock mostly in good to excellent condition. Cows 90% calved, 89% 1994, 88% avg. Ewes 87% lambled, 91% 1994, 90% avg. Pasture & range feed condition 2% very poor, 12% poor, 32% fair, 47% good, 7% excellent.

**FLORIDA:** Temperatures 1 to 5° below normal north, interior central, mostly 1 to 4° above normal central, south. Lows 40s north, mid 50s central, 60s south. Highs, low 90s, statewide. Rainfall 0.25 in., no rainfall in Panhandle, under 0.75 central, south, with some central locations reporting 1.35 in., some south locations reporting up to 3.75 in.

Soil moisture short to adequate throughout state. Tobacco transplanting winding down. Peanut, cotton planting active. Rainfall boosted growth of vegetables, but delayed some vegetable harvesting, especially in southern Peninsula. Northern growers beginning to harvest snap beans, squash. Dade County commercial harvest nearing end with most producers to finish picking by mid-May. Watermelon harvest gaining momentum around Immokalee, Wauchula. Sweet corn picking began around Zellwood. Some tomato, squash picking delayed due to low market. Volume leaders: Tomatoes, potatoes, sweet corn, cucumbers, peppers, squash, watermelons, celery, cabbage, snap beans. Rain most citrus areas. Tree condition improved with added moisture. Trees setting next year's crop. Harvest of Valencia continues active while grapefruit movement slowing. Caretakers cutting cover crops, hedging, burning limbs, dead trees, nutritional spraying. Pasture feed: Very poor 0%, poor 0%, fair 35%, good 65%, excellent 0%. Cattle condition 25% fair, 75% good.

**GEORGIA:** Temperatures 4 to 6° below normal most areas. Highs middle 70s mountains, upper 80s central and south. Lows upper 20s mountains to middle 40s south. Rain 1 to 2 days north, a day or less central, south. Totals mostly under 0.25 in. except for isolated spots northwest that recorded near 2.00 in.

Days suitable for fieldwork 5.4. Soil moisture 9% very short; 40% short; 49% adequate; 2% surplus. Scattered rain north, dry south. Insects, disease remain a problem in wheat. Budworms, tomato spot wilt virus in tobacco. Spraying tobacco for disease. Cotton emergence

problems some areas south due to dry conditions. Corn 25% fair, 71% good, 4% excellent. Cotton 1% poor, 44% fair, 55% good. Hay 1% very poor, 14% poor, 40% fair, 45% good. Peanuts 31% fair, 68% good, 1% excellent; 44% planted, 49% 1994, 34% avg. Sorghum 37% fair, 63% good; 24% planted, 44% 1994, 25% avg. Soybeans 2% planted, 4% 1994, 2% avg. Tobacco 33% fair, 67% good; 97% transplanted, 100% 1994, 99% avg. Wheat 100% boot, 100% 1994, 100% avg. Other small grains 18% poor, 50% fair, 32% good. Onions 2% poor, 21% fair, 77% good; 25% harvested, 30% 1994, 28% avg. Watermelons 6% poor, 24% fair, 70% good; 94% planted, 94% 1994, 94% avg. Other vegetables 3% poor, 39% fair, 58% good. Apples 12% poor, 13% fair, 75% good; 100% blooming, 100% 1994, 98% avg. Peaches 10% poor, 32% fair, 57% good, 1% excellent; 1% harvested, 4% 1994, 2% avg. Pasture feed 1% very poor, 10% poor, 37% fair, 51% good, 1% excellent. Cattle 7% poor, 27% fair, 65% good, 1% excellent. Hogs 3% poor, 22% fair, 73% good, 2% excellent. Activities: Irrigating vegetables and tobacco, applying nitrogen to corn and tobacco, spraying watermelons with fungicide, routine care of livestock and poultry.

**HAWAII:** Conditions mixed. Rainfall early in week, locally heavy. Soil moisture levels adequate most areas. Temperatures high 50's to mid 80's. Rainfall varied from none to 4.70 in.

Some areas reported slowdowns due to wet conditions. Banana, papaya production light. Insect infestations generally light. Minor silting, erosion damages to plantings.

**IDAHO:** Temperatures 5° below normal to 4° above normal. Nearly all areas reported below normal. Precipitation 0.02 to 1.36 in. north, none to 0.11 in. southwest, 0.07 to 0.20 in. south-central, 0.01 to 0.43 in. southeast. Extremes 20°; 84°.

Days suitable for fieldwork 5.8. Topsoil moisture 0% very short, 3% short, 92% adequate, 5% surplus. Irrigation water supplies 0% very poor, 0% poor, 6% fair, 64% good, 30% excellent. Range, pasture feed 2% poor, 13% fair, 68% good, 17% excellent. Hay, roughage supply 3% very short, 9% short, 87% adequate, 1% surplus. Spring wheat planted 81%, 86% 1994, 79% average. Spring wheat emerged 45%, 61% 1994, 51% average. Barley planted 65%, 81% 1994, 75% average. Barley emerged 32%, 51% 1994, 47% average. Oats planted 48%, 58% 1994, 55% average. Oats emerged 11%, 33% 1994, 31% average. Onions planted 97%, 100% 1994, 93% average. Onions emerged 41%, 93% 1994, 58% average. Sugarbeets planted 92%, 98% 1994, 93% average. Sugarbeets emerged 17%, 66% 1994, 50% average. Potatoes planted 27%, 37% 1994, 33% average. Dry Peas planted 50%, 62% 1994, 54% average. Dry peas emerged 19%, 38% 1994, 25% average. Calving completed 98%. Lambing completed 98%. Activities: Moving livestock, branding, fencing, preparing for irrigation, irrigating, fertilizing, planting small grains, sugarbeets, onions.

**ILLINOIS:** Cooler-than-normal weather occurred during the week. Rain spread into southern parts of the state during the weekend. High temperatures for the period averaged from the mid 50s to 60 in the north to 60s in the south, which was 4 to 7° below normal. Lows upper 30s to low 40s in the north to the 40s in the central, south. Averages 2 to 8° below normal in west and south. Rainfall totals averaged from around 0.25 to 1.50 in. in central, south to 0.60 to 3.00 in. in north. Above-normal rainfall in north 0.20 to 2.00 in., below normal 0.15 to 0.70 in. in central and south.

Days suitable for fieldwork 1.6. Topsoil moisture 1% short, 54% adequate, 45% surplus. Farmers are beginning to have some concerns about late plantings, disease problems in wheat and the stress on livestock due to weather conditions. Rains and cold weather across the state limited farmers from doing much field work last week. Activities ranged from preparing equipment, applying fertilizers, herbicides, completing sign-up for CFSA programs, building fences, taking care of livestock, waiting for warmer, drier weather so they can get back in the fields. Oats 65% planted, 97% 1994, 78% avg. Alfalfa 1% poor, 10% fair, 70% good, 19% excellent. Pasture feed 1% poor, 12% fair, 68% good, and 19% excellent.

**INDIANA:** Temperatures limited drying of fields, held soil temperatures steady. Precipitation was sub-normal mainly in central and southern sections. Average temperatures upper 40's to mid 50's. This was 2 to 4° below normal north and between 3 to 6° shy of normal south. Maximum readings upper 50's to mid 60's, mean lows upper 30's to 40's. Most all of central, southern counties received 0.20 in. to 0.30 in. of precipitation. Northern areas reporting totals of 0.75 in. to near 1.00 in.

Days suitable for fieldwork 1.3. Topsoil moisture 1% very short, 6% short, 46% adequate, 47% surplus. Subsoil moisture 2% very short, 18% short, 65% adequate, 15% surplus. Rain, wet soils limited fieldwork. Rainfall above normal, most northern and southern areas. Corn planting slow. Yellowing some wheat fields. Wheat 82% jointed, 46% 1994, 49% avg. Oats 72% seeded, 86% 1994, 71% avg. Land 77% tilled, 77% 1994, 74% avg. Pasture feed 0% very short, 3% short, 29% fair, 57% good, 11% excellent. Hay supplies 7% very short, 13% short, 76% adequate, 4% surplus.

**IOWA:** Continued cool and wet. Temperatures 4 to 7° below normal; extremes 27° (east-central, 25th), 71° (southwest, 25th). Rainfall totals 0.25 in. north-central to 3.30 in. central; average 1.42 in. (normal 0.81 in.).

Days suitable for fieldwork 1.7. Topsoil moisture adequate 33%, surplus 67%. Subsoil moisture short 3%, adequate 60%, surplus 37%. 1995 primary seedbed preparation completed (includes fall tillage) 53%, 89% 1994, 68% avg. 1995 row crop acreage fertilizer applied (includes fall applications) 60%, 93% 1994, 71% avg. Oats planted 62%, 100% 1994, 82% avg; emerged 22%, 83% 1994, 53% avg. Corn planted 2%, 59% 1994, 22% avg. Winter wheat 1% poor, 17% fair, 69% good, 13% excellent. Pasture growth slowed due to the cold temperatures. Pasture feed 9% poor, 28% fair, 50% good, 13% excellent. Calves experiencing problems with scours, pneumonia due to weather. Cattle and calf losses 4 percent below average, 83 percent average, 13 percent above average. Fed cattle performance in feedlots continues to be hindered because of cold, muddy conditions. Hog and pig losses 2 percent below average, 93 percent average, 5 percent above average.

**KANSAS:** Temperature were below normal most areas. Precipitation 0.31 in. in the northwest to 1.06 in. in the southeastern district.

Days suitable for fieldwork 2.9. Topsoil moisture 1% very short, 7% short, 82% adequate, and 10% surplus. Subsurface moisture 4% very short, 23% short, 70% adequate, and 3% percent surplus. Wheat progress is ahead of normal. Wheat jointing is 99%, 87% 1994, 82% avg. Freezing temperatures the night of April 10th appear to have severely damaged wheat stands in the extreme southwest with damage moderating further to the north and east. Freeze damage is the worst in the southwestern districts, where 39% had severe damage. The next hardest hit district is the west-central where 43% sustained moderate and 28% severe damage. Temperatures dipped into 20's in northern areas the morning the 27th. Additional damage may have been sustained from latest freeze. Foliar diseases such as rust and tan spot are reported in the eastern half of the State. Stockmen are finishing up calving and lambing. Pasture burning is still occurring in some areas. Hay and forage supplies are mostly adequate with only a few scattered shortages. Pastures are providing 57% of the roughage requirements for livestock. Farmers major field activities are spring tillage along with corn planting.

**KENTUCKY:** Cool weather. Temperatures 5 to 7° below normal. Highs 60s to low 70s; lows 40s. Rainfall 0.10 to 0.50 in., southeast 0.75 to 1.00 in.

Days suitable for fieldwork 3.0. Topsoil moisture advanced to 1% very short, 6% short, 79% adequate, 14% surplus. Subsoil moisture 1% very short, 20% short, 72% adequate, 7% surplus. Cool, wet weather slowed fieldwork. Moisture favorable for corn germination, growth. Emerged corn condition 1% poor, 6% fair, 47% good, 3% excellent. Tobacco plant height 68% less than 2 in., 24% 2 to 4 in., 8% larger than 4 in. Soybean planting underway. Wheat 55% headed 24% 1994, 20% avg. Wheat mostly good, some concerns about disease potential. Average Alfalfa harvest beginning the 8th. Pasture 1% very poor, 5% poor, 41% fair, 46% good, 7% excellent.

**LOUISIANA:** Temperatures 5 to 8° below normal. Extremes 40°; 86°. Rainfall 0.51 in. southeast to 4.63 in. west-central.

Days suitable for fieldwork 3.3. Soil moisture 1% short, 47% adequate, 52% surplus. Corn 1% very poor, 10% poor, 43% fair, 38% good, 8% excellent; 89% planted, 98% 1994, 97% avg.; 88% emerged, 95% 1994, 91% avg. Cotton 14% emerged, 39% 1994, 23% avg. Rains have compacted the soil in some areas to the point that cotton cannot emerge. Some farmers replanted. Hay 6% first cutting, 14% 1994, 9% avg. Cattle producers began cutting hay in drier areas. Rice 3% poor, 52% fair, 42% good, 3% excellent. A lot of bronzing occurred. Sorghum 15% emerged, 31% 1994, 31% avg. Soybeans 3% planted, 4% 1994, 2% avg. Some early soybean planting began, but most farmers are still preparing ground. Spring plowing 80% plowed, 89% 1994, 81% avg. Sugarcane 7% poor, 31% fair, 58% good, 4%

excellent. Application of fertilizer and herbicides active in drier fields. Sweet Potatoes 0% planted, 3% 1994, 4% avg. Wheat 6% poor, 44% fair, 48% good, 2% excellent; 90% headed, 92% 1994, 92% avg.; 20% turning color, 23% 1994, 27% avg. Some wheat being stressed by water. Pasture feed 4% poor, 26% fair, 54% good, 16% excellent. Vegetables 10% poor, 40% fair, 47% good, 3% excellent. Livestock 3% poor, 28% fair, 58% good, 11% excellent. Producers were busy weaning fall calves.

**MARYLAND & DELAWARE:** Maryland: Precipitation 0.53 in.; normal 0.78 in. Rain fell statewide with some areas receiving very little and others over an inch. Temperature 56.1°, to normal 56.7°. Extremes 87°; 28°. Low temperatures varied from the low 30's to mid 40's. Highs were mainly in the upper 70's to mid 80's.

Days suitable for fieldwork 5.6. Topsoil Moisture 24% very short, 17% short, 59% adequate. Subsoil Moisture 18% very short, 49% short, 33% adequate. Winter wheat 6% poor, 17% fair, 70% good, 7% excellent; 6% headed, 5% 1994, 8% avg. Rye 3% poor, 31% fair, 52% good, 14% excellent; 35% headed, 33% 1994, 32% avg. Barley 5% poor, 26% fair, 64% good, 5% excellent; 84% headed, 47% 1994, 43% avg. Corn for Grain 34% planted, 21% 1994, 21% avg. Potatoes 82% planted, 28% 1994, 66% avg. Green peas 86% planted, 88% 1994, 84% avg. Sweet corn 37% planted, 18% 1994, 21% avg. Snap beans 18% planted, 33% 1994, 26% avg. Tomatoes 27% planted, 48% 1994, 24% avg. Watermelons 8% planted, 25% 1994, 8% avg. Cantaloupe 16% planted, 31% 1994, 10% avg. Cucumbers 11% planted, 36% 1994, 17% avg. Peaches 61% bloomed, 84% 1994, 92% avg. Apples 66% bloomed, 43% 1994, 61% avg. Strawberries 77% bloomed, 48% 1994, 51% avg. Pasture 8% poor, 46% fair, 40% good, 6% excellent. Activities: Planting of spring crops.

Delaware: Precipitation 0.58 in.; normal 0.74 in. Temperature 57.7°, normal 56.3°. Extremes 83°; 41°. High temperatures in the upper 70's to low 80's. Lows in the 40's.

Days suitable for fieldwork 6. Topsoil moisture 8% very short, 46% short, 46% adequate. Subsoil moisture 7% very short, 79% short, 14% adequate. Winter wheat 17% fair. 75% good, 8% excellent; Barley 17% fair, 70% good, 13% excellent; 81% headed, 54% 1994, 48% avg. Corn for grain 15% planted, 24% 1994, 30% avg. Potatoes 96% planted, 59% 1994, 85% avg. Green peas 94% planted, 72% 1004, 75% avg. Sweet corn 23% planted, 24% 1994, 25% avg. Peaches 82% bloomed, 82% 1994, 92% avg. Apples 52% bloomed, 52% 1994, 65% avg. Strawberries 55% bloomed, 54% 1994, 40% avg. Pasture 38% fair, 62% good.

**MICHIGAN:** Extremes 24°; 66°. Temperatures remained low, averaging 4° degrees below normal.

Days suitable for fieldwork 3.0. Weather conditions during the later part of April have kept farmers from progressing with spring field work and planting. Most farmers were waiting for soil temperatures to increase and drier conditions before planting spring row crops. Fields remained wet, which delayed spring planting. Crop planting was behind last year during the same time period. Topsoil moisture was reported as 1% very short, 5% short, 39% adequate and 55% surplus. Subsoil moisture was reported as 1 very short, 3% short, 57% adequate, and 39% surplus. Barley 26% planted, 40% 1994, 35% avg. Oats 34% planted, 59% 1994, 45% avg. Potatoes 6% planted, 11% 1994, 12% avg. Sugarbeets 30% planted, 75% 1994, 38% avg. Pasture feed 14% poor, 19% very poor, 30% fair, 28% good, 9% excellent. Major activities for the week included limited planting, limited manure and fertilizer spreading and waiting for warm weather.

**MINNESOTA:** Temperatures 4 to 6° below normal. Extremes 22°; 66°. Precipitation 0.39 to 0.50 in. below normal northern third of state, while the remainder averaged 0.10 to 0.50 in. below normal. Greatest total 1.11 in.

Topsoil 0% very short, 0% short, 44% adequate, 56% surplus. Spring wheat 3% planted, 35% in 1994, 51% 5 yr. avg. Oats 16% seeded, 66% 1994, 56% 5 yr. avg. Barley 2% seeded, 24% 1994, 41% 5 yr. avg. Sugarbeets 4% planted, 31% 1994, 38% 5 yr. avg. Green Peas 7% planted, 35% 1994, 30% 5 yr. avg. Corn 8% ground prepared, 51% 1994, 35% 5 yr. avg. Corn 2% planted, 29% 1994, 15% 5 yr. avg. Soybeans 0% ground prepared, 8% 1994, 9% 5 yr. avg. Soybeans 0% planted, 1% 1994, 1% 5 yr. avg. Winter wheat 0% very poor, 14% poor, 37% fair, 49% good, 0% excellent. Rye 0% very poor, 6% poor, 64% fair, 30% good, 0% excellent. Alfalfa 4% very poor, 5% poor, 37% fair, 50% good, 4% excellent. Pasture 5% very poor, 18% poor, 40% fair, 35% good, 2% excellent.

**MISSISSIPPI:** Temperatures 7.0° below normal. Extremes 37°; 86°. Soil temperatures 66°. Precipitation 0.32 in., 0.85 in. below normal. Rain fell throughout the state, ranging from 0.64 in. in the east-central to virtually none in other districts.

Days suitable for fieldwork 3.1. Soil moisture for topsoil rated 2% short, 53% adequate, and 45% surplus. Subsoil rated 2% short, 63% adequate, and 35% surplus. Corn 90% planted, 91% 1994, 73% avg.; 75% emerged, 75% 1994, 60% avg.; 8% very poor, 7% poor, 29% fair, 46% good, 10% excellent. Soybeans 20% planted, 23% 1994, 6% avg.; 13% emerged, 12% 1994, 2% avg.; 5% very poor, 14% poor, 18% fair, 58% good, 5% excellent. Wheat 91% heading, 95% 1994, and 81% avg.; 1% mature, 2% 1994, 4% avg.; 1% very poor, 5% poor, 39% fair, 49% good, 6% excellent. Hay 8% harvested. Peanuts 38% planted, 76% 1994, 27% avg. Sweetpotatoes 3% planted, 0% 1994, 7% avg. Watermelons 69% planted, 80% 1994, 71% avg.; 3% poor, 28% fair, 61% good, 8% excellent. Livestock rated 1% very poor, 3% poor, 22% fair, 59% good, and 15% excellent. Range and pasture rated 1% very poor, 6% poor, 26% fair, 53% good, 14% excellent. Activities: planting rice; cotton, and soybeans; preparing fields for planting other crops; and harvesting of some early hay. Some counties reported that producers will replant crops due to cool weather and damage caused by heavy rains. Farmers need warm, dry weather in order to begin planting again.

**MISSOURI:** Temperatures averaged around 50° in the Hannibal-Quincy area to 57° at Caruthersville. Precipitation averaged 1.66 in., varying from 1.03 in. northeast, to 2.64 in. southwest.

Days suitable for fieldwork 1.4. Topsoil moisture supply 5% short, 61% adequate, 34% surplus. Corn planting ranges from 4% northeast, to 95% southeast. Sorghum planting ranges from virtually none in northern half of state to 19% southeast. Wheat heading ranges from less than 5% in most areas to 68% south-central, 77% southeast. Ground tilled for spring crops 78%, 76% 1994, 68% avg. Pasture 1% very poor, 6% poor, 33% fair, 51% good, 9% excellent.

**MONTANA:** Week was cooler than normal most areas. Precipitation reported in all divisions with the heaviest amounts in the southwest and south-central divisions.

Days suitable for fieldwork 4.9. Topsoil moisture 1% very short, 15% short, 73% adequate, 11% surplus. Subsoil moisture 4% very short, 25% short, 68% adequate, 3% surplus. Spring grains just starting to emerge. Barley 42% planted, 58% 1994, 50% avg. Oats 13% planted, 39% 1994, 39% avg. Sugar beets 37% planted, 73% 1994, 57% average. Corn 21% planted, dry beans 2% planted, potatoes 2% planted. Pasture and Range Feed condition 4% very poor, 16% poor, 37% fair, 41% good, 2% excellent. Calving 91% complete. Lambing 73% complete. Cattle and calves moved to summer ranges, 10%. Sheep and lambs moved to summer ranges.

**NEBRASKA:** Temperatures 5 to 9° below normal across the state. Precipitation 0.20 in. northwest to 1.70 in. east central.

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

**NEVADA:** High pressure dominated the weather picture until the 27th when Pacific low pressure brought a series of storm systems that lasted through the weekend. Rain showers were abundant in the Northwest and Sierra Nevada. Winds gusted 115 mph in the Sierra Nevada and gusts over 40 mph were common statewide. Precipitation 1.53 in. at Tahoe City, 0.67 in. at McDermitt, averaged 0.20 in. across Northwest. Temperatures 2 to 4° above normal statewide. Extremes 15° Wells, 99° Laughlin.

Days suitable for fieldwork 5.7. Spring grain planting in full swing. Some acreage in the Lovelock area likely to be left idle due to lack of irrigation water. Emerged acreage in good to excellent condition. Potato planting underway, onion planting virtually complete. Garlic actively growing. Ranges continuing to green and grow. Calving well along, lambing in full swing. Main farm and ranch activities: calving, lambing, spring planting.

**NEW ENGLAND:** Precipitation 0.00 to 0.75 in. regionwide. Average temperatures 38 to 51° north; 45 to 56° south. Maximum temperatures 56 to 74° north; 61 to 75° south. Minimum temperatures 18 to 32° north; 26 to 45° south.

Days suitable for fieldwork 6.1. Soil moisture 18% short, 75% adequate, 7% surplus. Maine potatoes 5% planted, 0% 1994, 0% avg. Connecticut River Valley potatoes 15% planted, 15% 1994, 10% avg. Field corn 5% planted, 5% 1994, 5% avg. Sweet corn 10% planted, 10% 1994, 5% avg. Oats 5% planted, 0% 1994, 5% avg. Barley 5% planted. Apples, peaches, pears, strawberries, and blueberries in bud stage. Cool, dry weather throughout most of the region allowed plantings to progress rapidly but have slowed crop development. Major farm activities: Spreading manure, seeding grassland, spraying fruit trees, fixing fences, moving livestock onto pastures, and planting early season crops.

**NEW JERSEY:** Temperatures averaged below normal. Extremes 32°; 80°. Rainfall averaged 0.86 in. north, 1.00 in. central, 0.82 in. south. Heaviest 24-hour total was 1.24 inches on the 30th to 1st. Estimated soil moisture, in percent of field capacity, averaged 79% north, 70% central, and 61% south.

Days suitable for fieldwork 7. Top soil moisture reported as short. Farmers are plowing and discing. Farmers in the central and southern districts are planting peas, carrots, potatoes, lettuce, tomatoes, spinach, snap beans, and other vegetables. Light harvest of asparagus, herbs, kale, basil, green onions, parsley, radishes, and leeks occurring in limited areas. Fertilizing and liming of fields also reported. Field corn planting reported in selected areas of South Jersey. Peaches, blueberries, and strawberries are blooming.

**NEW MEXICO:** After a cool start, temperatures returned to normal or above normal levels. The northern mountains, the northeast plains, and the eastern plains were the exceptions, where temperatures were 1 to 8° below normal. Precipitation fell over the northern mountains and northeast plains on Sunday, with dry conditions for the remainder of the week until Saturday, when light sprinkles were confined to portions of the Northeast.

Days suitable for field work 6.2. Soil moisture 28% very short, 43% short, 29% adequate. Alfalfa 1% very poor, 6% poor, 24% fair, 61% good, 8% excellent. Wheat 47% very poor, 20% poor, 20% fair, 11% good, 2% excellent. Chile 8% poor, 35% fair, 51% good, 6% excellent. Onions 8% poor, 28% fair, 53% good and 11% excellent. Lettuce 12% fair, 33% good and 55% excellent. Apples 6% very poor, 19% poor, 54% fair, 21% good. Pasture feed 18% very poor, 45% poor, 28% fair, 9% good. Cattle 10% poor, 46% fair, 43% good, 1% excellent. Sheep 1% very poor, 8% poor, 40% fair, 50% good, 1% excellent.

**NEW YORK:** Cool, dry week. Unseasonably cool as week began, slow warming trend until late week. The 27th was the warmest day so far this spring for many places with temperatures in the 70's. Colder air returned to end the week. Rainfall averaged 0.25 to 0.50 in. Little rain fell in extreme southeast.

Days suitable for fieldwork: 5.9. Soil moisture mostly short to adequate. Excellent progress made for tilling and planting. Pasture condition was 59% fair, 41% good. Wheat good condition. Corn planting just getting started. Oats 32% seeded, 28% 1994, 27% average. Mild winter caused very little damage to fruit. Lake Ontario fruit at green tip stage or earlier. Hudson Valley apples in green tip to half inch green stage of development. Some bud damage to cherries, but overall condition is satisfactory. Onion planting in full swing in northern areas, near complete in Orange County. Early planted fields were up and in good condition. Sweet corn was being planted under plastic. Mulch removal from strawberry beds behind normal due to coolness. Cool season vegetables were being planted as fast as fields could be worked.

**NORTH CAROLINA:** Parts of the state received some beneficial rain. More precipitation is needed to ensure good growth of crops. Temperature 4° below normal. Extremes 33°; 82°. Statewide precipitation 0.37 in., 0.47 in. below normal.

Days suitable for fieldwork 6.2. Soil moisture 26% very short, 51% short and 23% adequate. Flue-cured tobacco 40% planted, 48% 1994, 47% avg. Soybeans 2% planted, 13% 1994, 6% avg. Condition of crops is fair to good. Oats 1% very poor, 17% poor, 54% fair, 26% good, 2% excellent; barley 10% poor, 62% fair, 28% good; rye 13% poor, 61% fair, 25% good, 1% excellent; pasture feed 3% very poor, 23% poor, 50% fair, 23% good, 1% excellent; Irish potatoes 28% fair, 70% good, 2% excellent; peaches 1% poor, 11% fair, 78% good, 10% excellent; truck crops 2% poor, 45% fair, 50% good, 3% excellent; hay 1% very poor, 6% poor, 49% fair, 43% good, 1% excellent; tobacco in fields 2% poor, 37% fair, 58% good, 3% excellent; supplies of tobacco plants 6% very short, 21%

short, 70% adequate, 3% surplus; hay and roughage supplies 1% very short, 12% short, 84% adequate, 3% surplus. Activities: spring land preparation, transplanting tobacco, harvesting strawberries, planting corn and cotton, cutting hay, tending livestock, repairing equipment, general farm maintenance.

**NORTH DAKOTA:** Temperatures 5° below normal east central to 8° below normal west central. Extremes 17° southwest; 63° southeast. Precipitation 0.13 in. southwest to 0.25 in. south-central.

Days suitable for fieldwork not available. Fieldwork expected to start May 1. Average starting date is April 15. Soil moisture well above average. Topsoil moisture 60% adequate, 40% surplus. Subsoil moisture 2% short, 64% adequate, 34% surplus. Small grain planting just underway in isolated areas. Hard red spring wheat 2% planted, 16% 1994, 36% avg.; durum 0% planted, 6% 1994, 17% avg.; oats 1% planted, 10% 1994, 31% avg.; barley 0% planted, 7% 1994, 33% avg.; sugarbeets 6% planted, 35% 1994, 41% avg. Calving 87% complete; lambing 90% complete; shearing 94% complete. Cattle 1% poor, 13% fair, 80% good, 6% excellent; calves 2% poor, 18% fair, 76% good, 4% excellent; sheep 8% fair, 86% good, 6% excellent; lambs 1% poor, 12% fair, 82% good, 5% excellent. Hay, forage supplies 2% very short, 7% short, 88% adequate, 3% surplus. Grain, concentrate supplies 3% short, 93% adequate, 4% surplus. Majority of cattle, sheep receiving supplemental feeds, 74% of pastures, ranges still dormant. Early pasture, range 4% very poor, 6% poor, 20% fair, 66% good, 4% excellent.

**OHIO:** Average temperatures were 1 or 2° above normal. Highs 80° or higher at Toledo and Columbus on 25th. Average lows, in the 40s, were 2° above normal north but 5 to 8° above normal south. Lowest temperature was 28° at Grape Branch, northeast, on 26th. Average soil temperatures at 4 in. under bare ground ranged from 50° north to upper 50s parts of south. They, too, were above normal. Precipitation totals exceeded 1.00 in. at several locations. Over 2.00 in. reported at Marion, Dayton, Oxford and Columbus. Totals above normal in most locations. For April, totals exceeded normal over much of the state but remained short of normal over the south.

Days suitable for fieldwork 2.1. Soil moisture 2% very short, 4 percent short, 51 percent adequate, 43 percent surplus. Rain stalled planting another week. Warmer soil temperatures are needed. A late frost damaged tips of wheat, but should not hinder crop development. In the northeast leaves are yellowing from too much moisture. In the south strawberries have started to bloom. Quick temperature changes and damp conditions have caused poor food intake in livestock. Oats planted 50%, 46% 1994, 49% average. Oats emerged 22%, 17% 1994, 15% average. Sugarbeets planted 11%, 62% 1994, 30% average. Potatoes planted 5%, 9% 1994, 14% average. Wheat jointed 22%, 6% 1994, 6% average. Pasture feed 1% very poor, 3% poor, 27% fair, 56% good, 13% excellent. Hay 1% very poor, 2% poor, 25% fair, 56% good, 16% excellent. Apples 5% poor, 29% fair, 59% good, 7% excellent. Peaches 4% very poor, 14% poor, 34% fair, 44% good, 4% excellent.

**OKLAHOMA:** Temperatures 3.6° below normal southeast to 6.9° below normal central district. Precipitation ranged from 0.06 in. southwest district to 1.34 in. east-central district.

Days suitable for fieldwork 4.0. Topsoil moisture 1% very short, 7% short, 73% adequate, 19% surplus. Subsoil moisture 4% very short, 24% short, 61% adequate, 11% surplus. Wheat condition 9% very poor, 6% poor, 24% fair, 55% good, 6% excellent. Wheat 63% heading, 56% 1994, 55% avg; 5% soft dough, 3% 1994, 5% avg; Oats 76% jointing, 72% 1994, 70% avg; 30% heading, 22% 1994, 30% avg; 4% soft dough, 0% 1994, 3% avg; Barley 65% jointing, 69% 1994, 58% avg; 35% heading, 17% 1994, 24% avg; 2% soft dough, 0% 1994, 2% avg; Corn 99% seedbed prepared, 99% 1994, 96% avg; 38% planted, 76% 1994, 66% avg; 24% up-to-stand, 55% 1994, 31% avg; Sorghum 62% seedbed prepared, 56% 1994, 55% avg, 6% planted, 6% 1994, 6% avg, 2% up-to-stand, 3% 1994, 1% avg; Soybeans 55% seedbed prepared, 77% 1994, 63% avg, 18% planted, 20% 1994, 8% avg. 10% up-to-stand, 5% 1994, 1% avg; Peanuts 60% seedbed prepared, 74% 1994, 61% avg, 1% planted, 4% 1994, 1% avg; Cotton 70% seedbed prepared, 83% 1994, 70% avg, 4% planted, 3% 1994, 2% avg. Alfalfa hay 20% 1st cutting, 25% 1994, 14% avg, Other hay 28% 1st cutting, 31% 1994, 24% avg. Pasture and range condition 2% poor, 21% fair, 71% good, 6% excellent. Livestock conditions 2% poor, 15% fair, 78% good, 5% excellent. Prices for feeder steers and heifers were \$1.00 to \$3.00/cwt higher.

**OREGON:** Weather and crop data not available.

**PENNSYLVANIA:** Several weak frontal systems crossed state, bringing little rain. Average temperature 54°, 4° above normal. Extremes 24°; 79°. Precipitation 0.23 in., 0.59 in. below normal.

Days suitable for fieldwork 4.8. Soil moisture 7% very short, 47% short, 40% adequate, 6% surplus. Plowing 62% complete, 48% 1994, 51% avg. Soybeans planted 0% complete, 0% 1994, 1% avg. Oats planted 61% complete, 55% 1994, 56% avg. Potatoes planted 28% complete, 28% 1994, 24% avg. Tobacco beds planted 100% complete, 97% 1994, 93% avg. Wheat crop condition 0% very poor, 1% poor, 23% fair, 65% good, 11% excellent. Alfalfa and alfalfa mixtures stand 1% very poor, 2% poor, 24% fair, 67% good, 6% excellent. Timothy clover stand 3% very poor, 7% poor, 26% fair, 59% good, 5% excellent. Peaches pink stage 70%, 45% 1994, 57% avg; 35% full bloom or past, 31% 1994, 37% avg. Cherries pink stage 70%, 57% 1994, 57% avg; 50% full bloom or past, 43% 1994, 41% avg. Apples pink stage 40%, 35% 1994, 40% avg; 19% full bloom or past, 13% 1994, 16% avg. Activities: planting oats; spring plowing; spreading fertilizer, lime; getting planting equipment ready; fixing fences; hauling manure; and caring for livestock.

**PUERTO RICO:** Weather data not available.

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

Days suitable for fieldwork 6.4. Soil moisture 28% very short, 65% short, 7% adequate. Farmers await more moisture to continue field operations. Cantaloups 72% planted, 84% 1994, 77% avg. Corn 98% planted, 98% 1994, 95% avg. Cucumbers 66% planted 82% 1994, 79% avg. Hay 30% harvested, 47% 1994, 26% avg. Oats 90% headed, 84% 1994, 77% avg.; 17% turning color, 18% 1994, 12% avg. Peanuts 25% planted, 49% 1994, 35% avg. Rye 22% turning color, 25% 1994, 17% avg. Snap beans 65% planted, 63% 1994, 60% avg. Sorghum 8% planted, 14% 1994, 11% avg. Sweet Potatoes 12% planted, 17% 1994, 15% avg. Tobacco 2% poor, 77% fair, 21% good; 74% transplanted, 94% 1994, 89% avg. Tomatoes 97% planted, 98% 1994, 98% avg. Watermelons 81% planted, 83% 1994, 82% avg. Wheat 16% poor, 62% fair, 22% good; 83% headed, 94% 1994, 77% avg.; 5% turning color, 10% 1994, 10% avg. Peaches 11% fair, 81% good, 8% excellent. Pasture condition 4% very poor, 15% poor, 68% fair, 13% good.

**SOUTH DAKOTA:** Temperatures 5 to 10° below normal. Extremes 12°; 68°. Precipitation fell in all areas except the north-central and northeast. Precipitation 0.50 to 1.00 in. Heaviest precipitation 1.50 in. at Wasta.

Days suitable for fieldwork 1.3. Topsoil moisture 27% adequate, 73% surplus. Subsoil moisture 3% short, 32% adequate, 65% surplus. Winter Rye 32% fair, 55% good, 13% excellent. Barley 3% planted, 66% 1994, 70% avg; 0% emerged, 20% 1994, 30% avg. Oats 6% planted, 71% 1994, 75% avg; 1% emerged, 26% 1994, 36% avg. Flax 0% planted, 5% 1994, 12% avg. Wet and cool conditions continued to hamper spring planting. Winter wheat damage was reported from portions of fields being underwater. Livestock condition 1% very poor, 5% poor, 31% fair, 57% good, 6% excellent. Wet, cool conditions caused scour problems in calves. Lack of pasture growth from cool conditions stressing feed supplies. Pasture feed 1% very poor, 20% poor, 40% fair, 34% good, 5% excellent. Cattle moved to pasture 15%. Calving 77% complete, lambing 85%. Feed supplies 1% very short, 21% short, 74% adequate, 4% surplus. Stock water supplies 2% short, 58% adequate, 40% surplus.

**TENNESSEE:** Temperatures 4 to 10° below normal. Extremes 33°; 76°. Showers early, late week; totals ranging from 0.03 to 1.23 in.

Days suitable for fieldwork 4.0. Topsoil moisture 1% very short, 10% short, 77% adequate, 12% surplus. Subsoil moisture 2% very short, 13% short, 79% adequate, 6% surplus. Corn 85% planted, 53% 1994, 46% avg. Cotton 15% planted, 9% 1994, 9% avg. Sorghum 30% planted, 7% 1994, 9% avg. Tobacco 96% plants up, 92% 1994, 95% avg.; 3% transplanted, 0% 1994, 0% avg.; Wheat 2% poor, 22% fair 61% good, 15% excellent; 90% headed, 52% 1994, 36% avg. Pasture 8% poor, 35% fair, 51% good, 6% excellent. Alfalfa 1% poor, 32% fair, 58% good, 9% excellent; 4% 1st cutting, 7% 1994, 3% avg. Cattle 2% poor, 32% fair, 61% good, 5% excellent.

**TEXAS:** Warm, predominantly dry conditions prevailed. Cold front moved through state Tuesday, Wednesday bringing rainfall to North. Second disturbance moved through Saturday bringing rainfall again portions North. Thunderstorms continued into Sunday areas along Red River. However, rainfall light. The entire state received below normal rainfall amounts. Departures ranged -0.00 to 0.15 in. Trans Pecos district to -1.26 in. East district. Only North Central, High Plains, Low Rolling Plains districts received any rainfall. Weather pattern helped keep temperatures below normal. All climatic districts reported below normal temperatures, except Edwards Plateau which recorded normal temperatures and Trans Pecos district which recorded a departure of +1°. Departures ranged from -2° High Plains, North Central, East, and Upper Coast districts to -6° Low Rolling Plains district. Average 4-in. soil temperatures ranged 58° Bushland to 77° Beeville, Uvalde. Highest maximum was 90° at Beaumont, while lowest minimum was 44° at Bushland.

**Crops:** Small Grains: Winter wheat, oats continued to show good potential Blacklands, Central. Cold temperatures in High Plains may have caused additional damage to weak wheat crop. The scattered rainfall in area may not provide much benefit at this late date. Windy conditions caused drying parts of state, these areas could use additional moisture. Fields southern parts state nearing harvest. Corn: Planting activity increasing in High Plains; however cold temperatures early week kept progress slow. Cooler temperatures also worked to slow growth other parts state early week. Fields Coastal Bend, Upper Coast, Rio Grande Valley showing good progress. Some disease problems brought condition down scattered fields Blacklands. Some fields cultivated during week. 0% very poor; 1% poor; 23% fair; 59% good; 17% excellent. Cotton: Most land preparation been completed in Plains. Cooler temperatures decreased overall planting conditions. Growth slowed Blacklands, Central during early part of week. Cultivating activities occurred some fields last week. Grain Sorghum: Planting activities continued parts the state last week. In Plains, cooler temperatures kept progress to minimum. Seedling disease as well as too much rain has caused some weak stands portions of Blacklands; however most fields look good. Progress good in Coastal Bend. Rice: planting winding down in few more fields along Upper Coast during week. Producers continued flush emerged fields. Grain Sorghum: 0% very poor; 4% poor; 20% fair; 50% good; 26% excellent. Rice: 0% very poor; 0% poor; 0% fair; 90% good; 10% excellent. Other crops: Sugarbeets 88% planted; 92% 1994; 84% avg. Peanuts 2% planted; 0% 1994; 0% avg. Soybeans: 25% planted; 24% 1994; 22% avg. Sunflowers: 4% planted; 6% 1994; 9% avg.

**Commercial Vegetables, Fruit and Pecans:** Rio Grande Valley: harvest operations continued without much delay. Onion yields, quality have been good. San Antonio-Winter Garden area, onion harvest was increasing. Watermelons continued to make fair progress. East Texas, good development reported on most vegetables. Some replanting tomatoes was necessary because scattered hail damage. Preparations on sweetpotato beds continued. Trans-Pecos, control measures for thrips on onions continued. Irrigation operations continued. High Plains, onions, potatoes were emerging. Pecans: Trees showing good leaf development most areas. The crop set looks good Blacklands. Spraying operations continued as needed. Peaches: Crop thinning nearly complete many orchards. Cover sprays continued to be applied.

**Range and Livestock:** Ranges, pastures continued good most areas; however good rain would help. Weed control, fertilization continued in parts of state. Supplemental feeding further decreased. Livestock conditions good across state. Prices were depressing most auctions.

**UTAH:** Temperature maxima averaged 3° below normal; minima 2° below normal. Precipitation light to moderate throughout entire state.

Days suitable for fieldwork 4.8. Topsoil moisture 8% short, 89% adequate, 3% surplus. Subsoil moisture 3% short, 95% adequate, 2% surplus. Winter wheat condition 6% fair, 73% good, 21% excellent. Fall barley condition 4% fair, 58% good, 38% excellent. Spring wheat: planted 91%, 91% 1994, 92% avg; emerged 63%, 67% 1994, 70% avg. Barley: planted 86%, 88% 1994, 90% avg; emerged 62%, 64% 1994, 67% avg. Oats: planted 50%, 61% 1994, 67% avg; emerged 30%, 38% 1994, 38% avg. Corn planted 12%, 34% 1994, 29% avg. Alfalfa hay height 6.8 in., 6.4 in. 1994, 7.9 in. avg. Tart cherries full bloom or past 75%. Apples full bloom or past 17%. Pears full bloom or past 99%. Potatoes planted 2%. Range and pasture condition 2% poor, 18% fair, 66% good, 14% excellent. Cattle, calf condition 3% poor, 13% fair, 77% good, 7% excellent. Sheep, lamb condition 1% poor, 26% fair, 66% good, 7% excellent. Cows calved 90%, 91% 1994, 95% avg. Ewes lambing on farm 93%.

95% 1994, 96% avg. Ewes lambing on range 68%, 79% 1994. Sheep sheared on the farm 88%, 92% 1994. Sheep sheared on range 75%, 76% 1994. Major farm activities: calving, lambing, irrigating, planting, spraying weeds. Increased calf and lamb death loss reported by many counties due to weather conditions.

**VIRGINIA:** Temperatures 5° below normal. Extremes 90°; 28°. Precipitation averaged near normal for the period.

Days suitable for fieldwork 5.0. Topsoil moisture 10% very short, 45% short, 44% adequate, 1% surplus. Other hay condition 9% very poor, 29% poor, 56% fair, 6% good. Pasture condition 6% very poor, 23% poor, 49% fair, 22% good. Alfalfa hay condition 1% very poor, 15% poor, 40% fair, 41% good 3% excellent. Apple condition 5% fair, 95% good. Peach condition 29% fair, 71% good. Barley condition 2% very poor, 7% poor, 36% fair, 55% good. Wheat condition 2% very poor, 8% poor, 41% fair, 48% good, 1% excellent. Tobacco greenhouse condition 8% fair, 52% good, 40% excellent. Tobacco planted condition 14% very poor, 22% poor, 23% fair, 33% good, 8% excellent. Corn condition was 1% poor, 31% fair, 68% good. Corn was 40% planted, 42% 1994, and 34% avg. Soybeans planted 5%, 2% 1994, 1% avg. Peanuts planted 20%, 20% 1994, 11% avg. Cotton planted 52%, 52% 1994, 34% avg. Flue tobacco transplanted 8%, 7% 1994, 4% avg. Continued dry weather across the State further stressed pastures and hayfields. Crop conditions and topsoil moisture declined during the week but were relieved by widespread rain during the weekend. Farm activities included planting snapbeans, cucumbers, cantaloupes and tomatoes, spraying for mildew and cereal leaf beetles in wheat, spraying orchards, and harvesting hay.

**WASHINGTON:** Temperatures 2° below to 4° above normal west; normal to 6° above normal east. Precipitation 0.35 in. west to 0.90 in. east. Warmer, drier weather increased field activities.

Days suitable for fieldwork 6.0. Topsoil moisture 2% short, 83% adequate, 15% surplus; subsoil 25% short, 68% adequate, 7% surplus. Irrigation water supply 11% short, 79% adequate, 10% surplus. Minimal winter wheat diseases detected. Planting of carrots, drybeans grains, peas, potatoes, field corn, sweet corn, cabbage, lettuce, seed spinach, blueberries, and strawberries in progress. Cold weather caused frost damage on fruit trees. Fruit trees were in full bloom and some thinning was necessary. Asparagus and rhubarb harvest continued. Green chopping and early silage harvest were in progress. More cattle were turned out on range. Winter wheat, dryland 2% very poor, 6% poor, 25% fair, 62% good, 5% excellent; irrigated, 71% good, 29% excellent. Hay, other roughage supplies 5% very short, 17% good, short, 68% adequate, 10% surplus. Pasture feed 10% poor, 43% fair, 38% good, 9% excellent. Barley, 66% planted, 96% 1994, 84% avg; 36% emerged, 89% 1994, 66% avg. Dry peas 55% planted, 90% 1994, 73% avg. Potatoes, 50% planted, 90% 1994, 77% avg; 22% emerged, 19% 1994, 25% avg. Spring wheat, 63% planted, 98% 1994, 89% avg; 41% emerged, 89% 1994, 76% avg.

**WEST VIRGINIA:** Average temperature 50°. Extremes 26°, 82°. Precipitation averaged 0.48 in. Temperatures ranged from 3° below normal in the northeast to 6° below normal in the north-central and southwest regions. Precipitation 0.02 in. above normal in the north-central region to 0.68 in. below normal in the south. The greatest weekly total precipitation was 1.12 inches at Terra Alta.

Days suitable for fieldwork 4.1. Topsoil moisture 3% very short, 28% short, 65% adequate, 4% surplus. Barley 4% poor, 34% fair, 62% good. Wheat 8% poor, 19% fair, 73% good. Hay 6% very poor, 5% poor, 60% fair, 29% good. Intended Acreage Prepared for Spring Planting 75%, 49% 1994. Corn planted 20%, 36% 1994, 20% avg. Oats planted 55%, 78% 1994, 67% avg; 29% emerged, 26% 1994, 36% avg. Tobacco beds seeded 76%, 100% 1994, 91% avg; 44% emerged, 70% 1994, 63% avg. Apples 100% good. Peaches 100% good. Pastures 5% very poor, 9% poor, 59% fair, 26% good, 1% excellent. Cattle 1% poor, 15% fair, 81% good, 3% excellent. Sheep 11% fair, 87% good, 2% excellent. Hay & roughage supplies 4% very short, 9% short, 80% adequate, 7% surplus. Feed grain supplies 3% very short, 8% short, 88% adequate, 1% surplus. Activities: Plowing, spreading fertilizer and lime, planting, spring seeding of meadows to improve hay production, building and repairing fences, calving, lambing, turning livestock out to permanent pasture.

**WISCONSIN:** Temperature 45°, 5° below normal. Extremes 20°; 68°. Precipitation 0.10 to 1.40 inches.

Days suitable for fieldwork 2.8. Soil moisture: 2% short, 63% adequate, 35% surplus. Spring tillage 13%, 47% 1994, 30% 5-yr avg. Oats planted 11%, 61% 1994, 37% 5-yr avg. Corn planted 0%, 15% 1994, 5% 5-yr avg. Range and pasture condition 6% very poor, 22% poor, 36% fair, 33% good, 3% excellent. Alfalfa freeze damage 52% none, 39% light, 8% moderate, 1% severe. Winter wheat freeze damage 57% none, 37% light, 6% moderate, 0% severe. Farmers are trying to get their crops planted between rainshowers. Even with the cool soil temperatures, farmers are being forced to plant oats and other crops so that they don't miss the planting season altogether. Planting in fields with lighter soils is progressing well, but the heavy soils still have standing water on them. Most reporters indicated that the winter wheat and alfalfa crops look good. Reporters in Pepin, Eau Claire, and Marinette counties mentioned that some fields received moderate to extensive damage. New seedlings have weathered the winter while older seedlings received damage due to the lack of snow cover this winter. A few farmers in the southern part of the state have started to plant but very few acres are completed. Potato plantings are going along very well in the sandy soils. Sweet corn and peas are being planted. Some mint roots have been planted in Kenosha county.

**WYOMING:** Precipitation received statewide. Lander had the greatest amount with 2.26 inches. Temperatures averaged 1 to 11° below normal. Extremes: 16° Moran, Jackson, Laramie; 62° Afton. Chugwater was the cold spot averaging 11° below normal.

Days suitable for fieldwork 1.9. Topsoil moisture supplies 5% short, 95% adequate or better. Subsoil moisture supplies 16% short, 84% adequate or better. Spring wheat 42% planted, 46% 1994, 56% avg; 9% emerged, 17% 1994, 22% avg. Oats 46% planted, 58% 1994, 53% avg; 9% emerged, 22% 1994, 20% avg. Barley 80% planted, 81% 1994, 78% avg; 41% emerged, 54% 1994, 50% avg. Sugarbeets 80% planted, 83% 1994, 78% avg; 11% emerged, 29% 1994, 16% avg. Winter wheat freeze damage, and Russian wheat aphids reported in southeast. Corn 15% planted, 23% 1994, 19% avg. Spring calving complete 91%, 90% 1994, 88% avg. Calf death losses 43% light, 57% normal. Reports of diseases due to wet, cold weather. Farm flock: ewes lambing 95%, 99% 1994, 95% avg; shorn 95%, 99% 1994, 93% avg. Range flock: ewes lambing 23%, 31% 1994, 43% avg; shorn 71%, 77% 1994, 72% avg. Lamb death losses 13% light, 87% normal.

(Continued from front cover)

**Mid-Atlantic region**, but dryness persisted in coastal and piedmont sections of the **Southern Atlantic States**. A half-dozen tornadoes touched down in the **Southeast** on Sunday and Monday, including four in **Florida**. Meanwhile, another disturbance approached the **Pacific Northwest**, in advance of which daily-record highs were set on Sunday in **Quillayute, WA** (71°F) and **Portland, OR** (79°F). Between storms, cool air settled across the **Plains**, where daily-records were set on Sunday in **Pueblo, CO** (21°F) and **Midland, TX** (33°F). A day later, lows of 34°F in **Abilene** and 35°F in **San Angelo** were among the dozen daily-record lows tied or broken in **Texas**. By week's end, however, temperatures soared to 95°F as far north as **San Angelo**.

Wednesday morning, **Lander, WY**, en route to an April snowfall total of 28.3 inches, reported a fresh 6-inch cover. Farther east, midweek rainfall totaled in excess of an inch from **Iowa** to **Michigan**. In the wake of the storm, cold air again covered the **Plains** on Thursday morning. Daily-record lows included 26°F in **Kearney, NE**, and 30°F in **Amarillo, TX** and **Concordia, KS**. **Amarillo's** freeze occurred 13 days after their average last freeze; historically there is only a 10-percent chance of a freeze after April 30.

Precipitation arrived in the **Northwest** on Thursday, expanding to encompass areas as far east as the **Ohio Valley** by week's end. Local totals topped 4 inches in the **southern Cascades** and the **Sierra Nevada**, while thunderstorms locally dumped more than 2 inches from the **Kansas-Oklahoma border** to the **Ozark Plateau**. Snow returned to the **Intermountain West**, where **Alta, UT** reported 6 inches on Saturday. In **Montana**, depths by Sunday morning (April 30) included 4 inches in **Browning** and 2 inches in **Billings** and **Butte**.

In **Barrow, AK**, where weekly temperatures averaged 21°F above normal, the mercury reached the freezing mark on Sunday for the first time since September 29, 1994. And in **Hawaii**, locally heavy rain eased long-term dryness. **Hilo, HI** collected 3.86 inches, representing more than 20 percent of their observed year-to-date total.

# International Weather and Crop Summary

## HIGHLIGHTS

April 23 - 29, 1995

**FSU-WESTERN:** Spring grain planting advanced northward in Russia, helped by unseasonably warm, dry weather.

**NORTHWESTERN AFRICA:** Late-season rain stabilized conditions for winter grains in the filling stage.

**EUROPE:** Much-needed rain boosted topsoil moisture for crops in Spain, Portugal, northern Italy, and Hungary.

**SOUTHEAST ASIA:** Heavy rain and flooding returned to central and eastern Java.

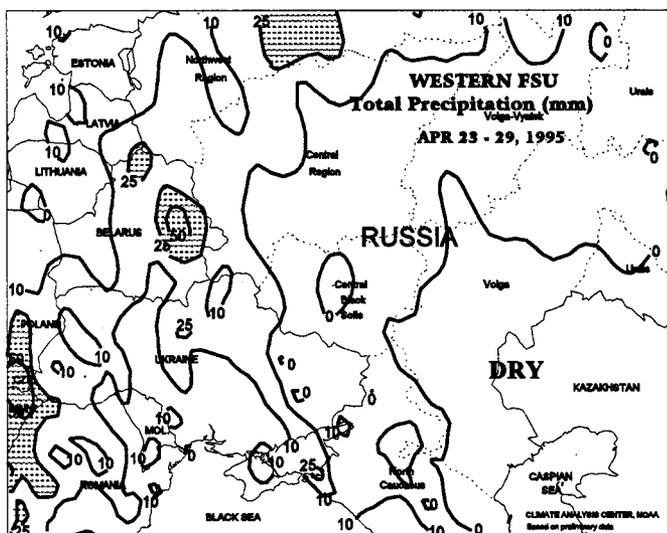
**SOUTH ASIA:** Rain continued in northern Pakistan, hampering wheat harvesting but increasing moisture for cotton.

**SOUTH AFRICA:** A killing freeze missed immature corn in North West Province.

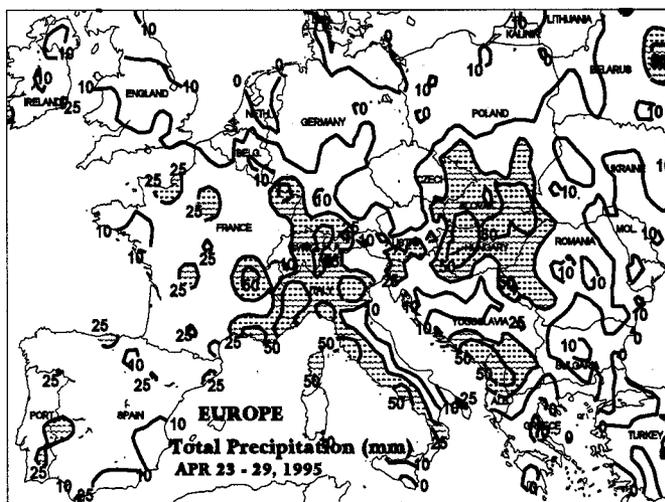
**EASTERN ASIA:** Heavy rain along the Yangtze Valley boosted rice irrigation supplies but possibly caused some flooding.

**AUSTRALIA:** Dryness continued across the east, while rain in the south and west increased topsoil for upcoming wheat planting.

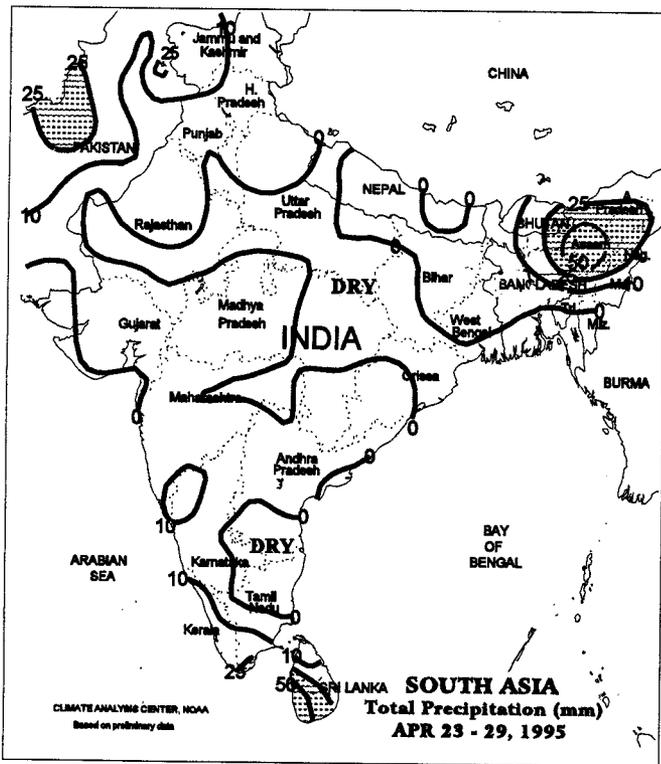
**SOUTH AMERICA:** Late-week heavy showers delayed corn and soybean harvesting in central Argentina. Mostly dry weather aided summer crop harvesting in southern Brazil.



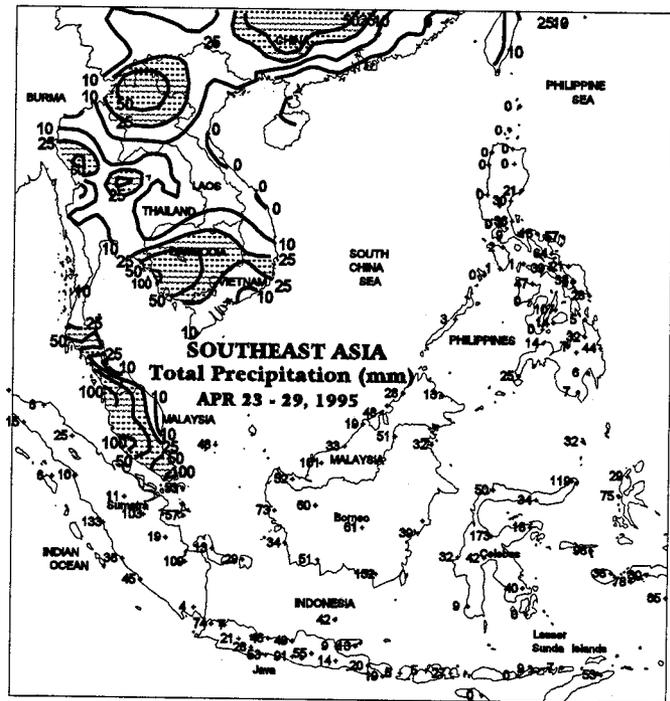
**FSU-WESTERN:** Light to moderate rain (4-25 mm) continued over Ukraine, maintaining favorable moisture for winter grain development and spring grain emergence. Unseasonably warm, dry weather over most of Russia allowed spring grain planting to advance northward. Winter grains were jointing in Ukraine, southern Russia (North Caucasus, southern Black Soils Region, and middle and lower Volga), and Belarus, and were tillering over the Baltics and northern Russia (Central Region, Volga Vyatsk, and upper Volga Valley). Weekly average temperatures were 2-4 degrees Celsius (C) above normal over Ukraine and 5-10 degrees C above normal over most of Russia. The mild weather accelerated winter grain growth and favored rapid spring grain emergence. In most areas, adequate moisture favored crop growth. However, rain is needed in the Volga Valley, where topsoils were becoming too dry.



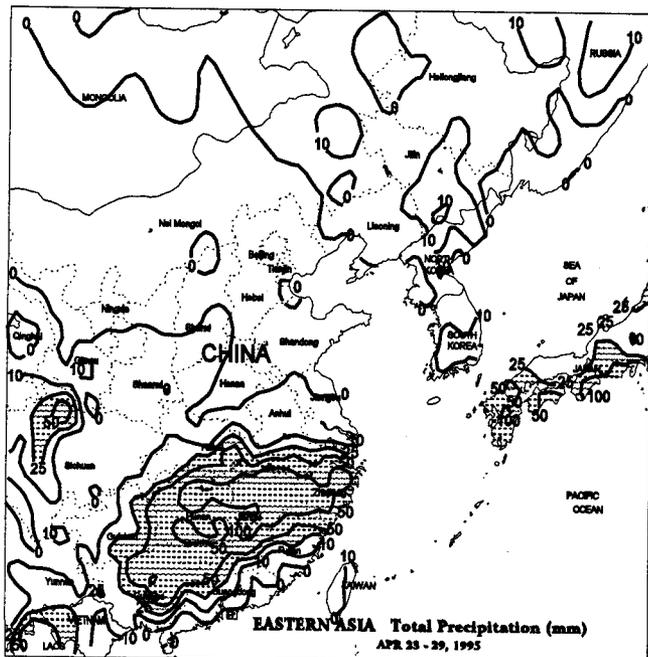
**EUROPE:** Rainy weather prevailed over central and southern Europe during the week, boosting moisture reserves for winter grain development and spring crop emergence. Widespread soaking rain (35-55 mm) covered northern Italy, parts of former Yugoslavia, Hungary, and the Slovak Republic. Lesser amounts of rain (3-25 mm, with local amounts in excess of 30 mm) fell over France, Portugal, Spain, Romania, Bulgaria, and southern Poland. The moisture that covered Spain and Portugal helped ease drought conditions. Mostly dry weather over England, the Netherlands, Germany, and northern Poland favored spring grain and sugarbeet planting. Weekly average temperatures were 1-3 degrees C below normal over England, France, and the Iberian Peninsula and 2-5 degrees C above normal over the remainder of Europe.



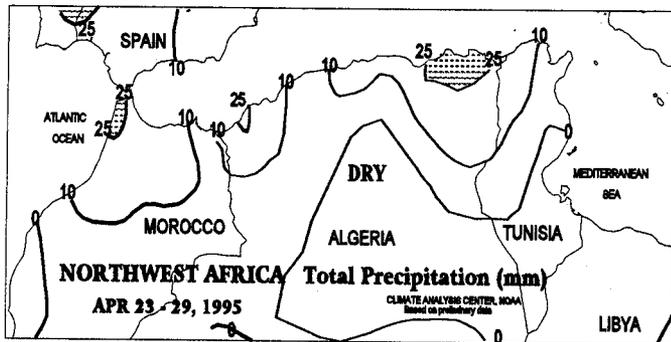
**SOUTH ASIA:** Unseasonable rain (5-25 mm) continued over northern Pakistan. While slowing winter wheat harvesting, the moisture increased irrigation reserves for cotton and other summer crops. In India, dry, warm weather favored winter grain and oilseed harvesting. However, moderate rain (32-80 mm) in eastern India (Assam) increased moisture for rice cultivation.



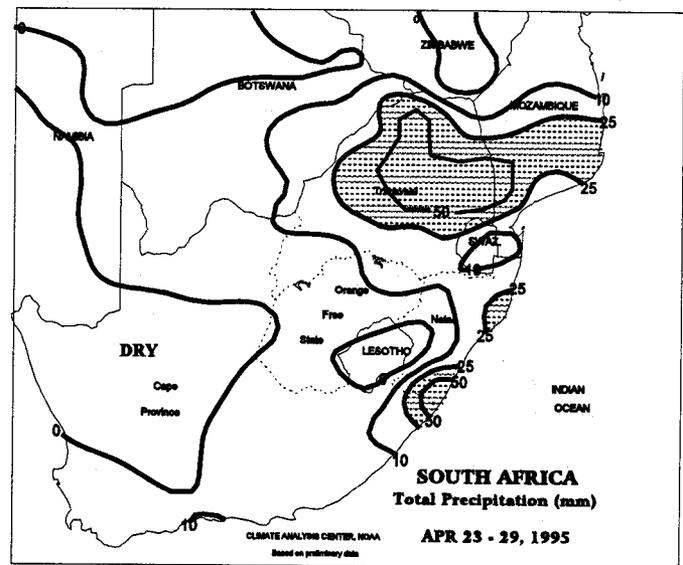
**SOUTHEAST ASIA:** Late-week heavy showers (50 mm or more) in central and eastern Java increased irrigation supplies for dry-season crops, but hampered main-season harvesting and caused more flooding. Much of the rain fell on April 30 and will be reflected in next week's data. Farther north, moderate to heavy rain (25-50 mm, with a few reports exceeding 100 mm) continued across Malaysia, but dry pockets (rainfall totaling 25 mm or less) persisted in oil palm areas of the eastern Malay Peninsula. Hot weather (1-2 degrees C above normal, highs 40-43 degrees C) persisted over Thailand, but scattered, mostly light rain (5-25 mm, with isolated amounts over 50 mm) brought some relief to emerging corn and rice. Unseasonably warm, dry weather also covered Vietnam's rice areas, favoring harvesting in the south but reducing moisture in the north for immature, rainfed crops. In the Philippines, moderate rain (15-50 mm or more) in the central islands benefited main-season grains and sugarcane.



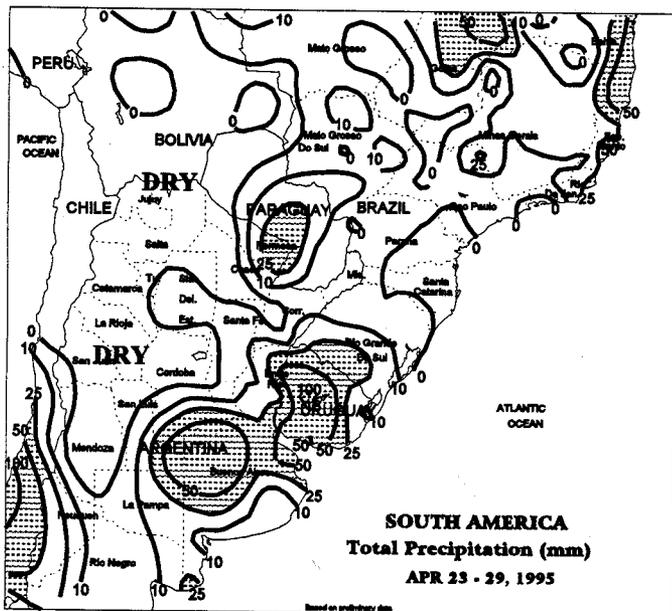
**EASTERN ASIA:** Widespread moderate to heavy showers (25-90 mm) covered south-central China (along the Yangtze Valley and areas to the south), boosting rice irrigation supplies. However, heavier rain (100-130 mm) fell along the Yangtze River in Hunan and Jiangxi, possibly causing some flooding. Little or no rain fell across the North China Plain, favoring corn, cotton, and soybean planting. Although dry weather prevailed across the northern wheat areas, moisture reserves remained adequate for early reproductive winter wheat. Only light rain (less than 10 mm) was reported across central and eastern Sichuan and Manchuria. Temperatures averaged 2-4 degrees C below normal across central China and near normal elsewhere. North and South Korea received light rain (5-15 mm), while widespread rain (20-70 mm) boosted irrigation supplies across Japan.



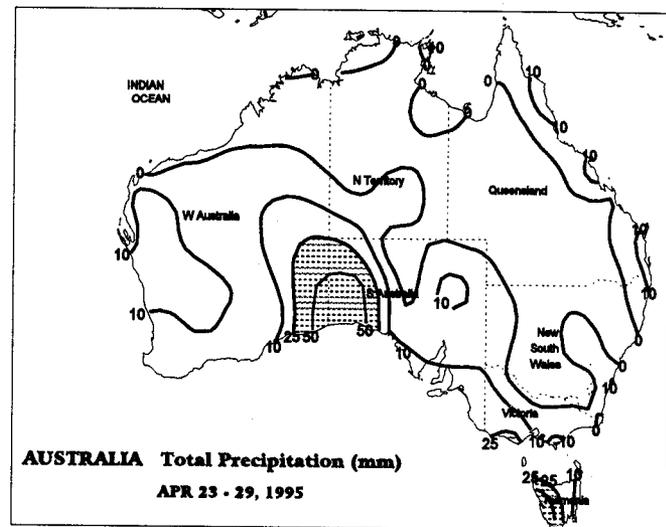
**NORTHWESTERN AFRICA:** Late-season rain fell over winter grain areas in Morocco, Algeria, and Tunisia, stabilizing conditions for crops in the filling stage. The greatest amounts of rain (10-37 mm) fell over Algeria, with lesser amounts (10-23 mm) covering Tunisia and northern Morocco. Mostly dry weather in southern Morocco benefited winter grain maturation. Unseasonably cool weather prevailed over the region, with weekly average temperatures ranging from 2 to 4 degrees C below normal over Morocco and Tunisia, and 2 to 6 degrees C below normal over Algeria.



**SOUTH AFRICA:** Freezing temperatures (0 to -2 degrees C) covered most corn areas of Orange Free State. In North West Province, where late-planted crops were not yet mature, lowest reported temperatures were 3 degrees C. Scattered frost was possible in western and southern crop areas of the Province. In the eastern corn belt, unseasonable showers (15-34 mm) were unfavorable for mature corn but increased moisture for winter wheat establishment. Farther south, moderate showers (25-60 mm) covered Kwazulu-Natal's rainfed sugarcane crop, continuing the recent trend of beneficial rain at a time when harvesting would normally be starting.



**SOUTH AMERICA:** In Argentina, dry weather favored summer crop harvesting the first half of the week, but late-week showers (25-70 mm) caused fieldwork delays in northern and central Buenos Aires. This is the same region that received very heavy rain 3 weeks ago (April 7-10). Dry weather is needed to reduce disease problems and aid harvesting. Dry weather prevailed across most of northern Argentina, helping cotton harvesting. Only areas near the Paraguay border in the province of Formosa received moderate rain (15-40 mm) that slowed fieldwork. Across southern Brazil and Paraguay, mostly scattered showers (5-20 mm) did not hinder summer crop harvesting. Espirito Santo and eastern Bahia received moderate showers (30-50 mm), easing long-term moisture deficits. Temperatures averaged 1-3 degrees C above normal across Argentina and southern Brazil.



**AUSTRALIA:** Dry weather continued across eastern Australia, aiding summer crop harvesting, but rain is needed for winter grain planting. Only light rain (5-15 mm) fell across the northeastern sugarcane region. Rainfall typically decreases across this region as the dry season approaches (June-October). Light to moderate rain (7-20 mm) fell across Victoria and South Australia, increasing topsoil moisture for wheat planting. Light rain (less than 10 mm) was reported across southwestern Western Australia. Temperatures averaged near normal across most crop areas. In New Zealand, light to moderate rain (5-35 mm) fell across the central North Island and heavier amounts (20-40 mm) were reported across northern South Island.

