WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
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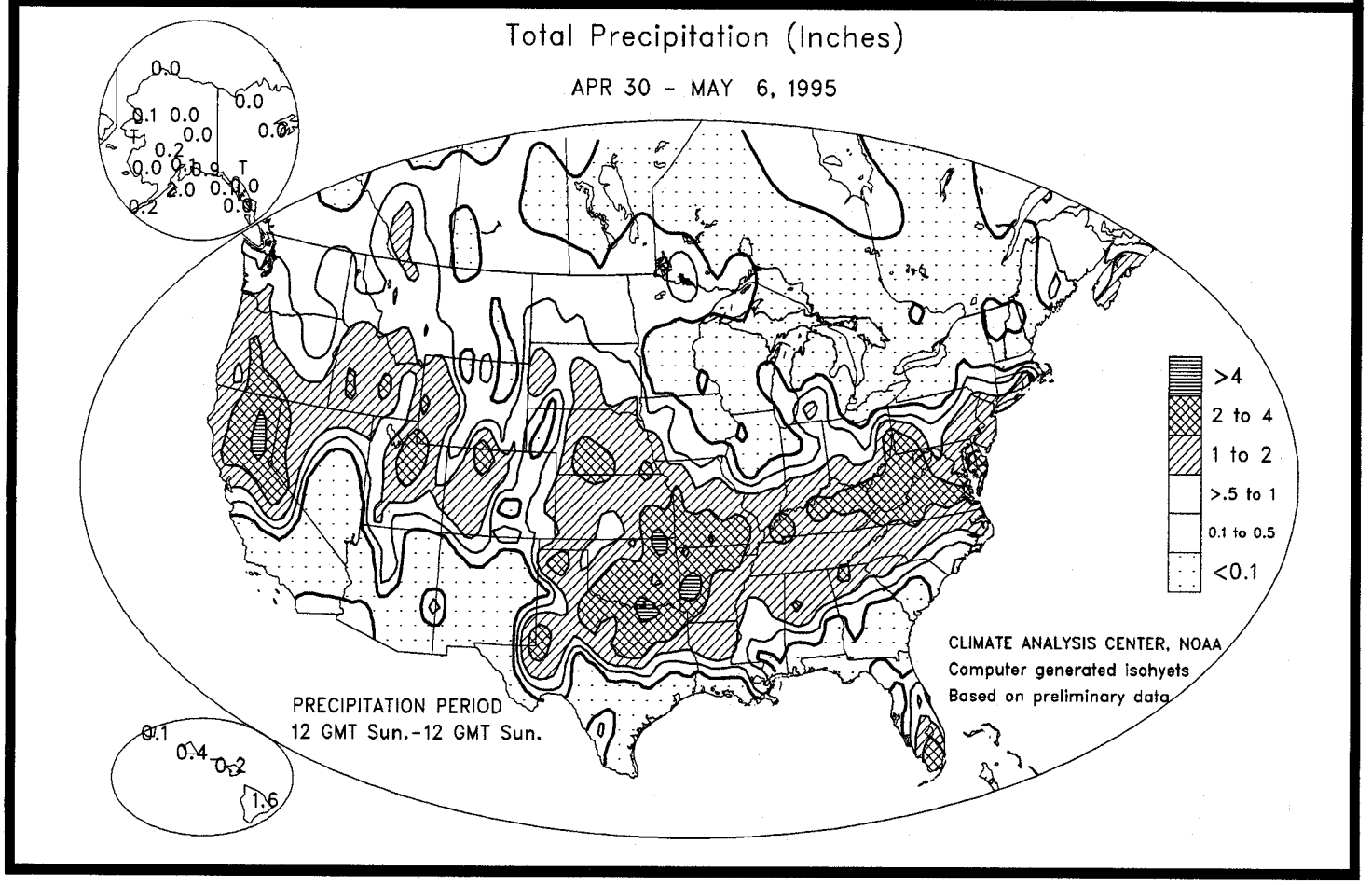

HIGHLIGHTS

April 30 - May 6, 1995

A southward shift in the storm track brought much-needed dry weather to the **upper Midwest**, allowing fieldwork and planting to progress, albeit slowly due to persistent coolness. Elsewhere, a chain of three storm systems delivered cool, damp weather to the **central Plains** and eased dryness in the **Mid-Atlantic region**, but left some dry areas in the **Southern Atlantic States**. Late in the week, a powerful storm pushed through the **Intermountain West**, bringing more late-season precipitation to **northern California** and sparking damaging thunderstorms in the **southern Plains**.

Early in the week, a sharp north-south temperature gradient existed across the Nation. On Sunday, highs in the **Plains** included 48°F in **Goodland, KS** and 99°F in **San Angelo, TX**. Locally heavy precipitation, including wet snow in

(Continued to back cover)

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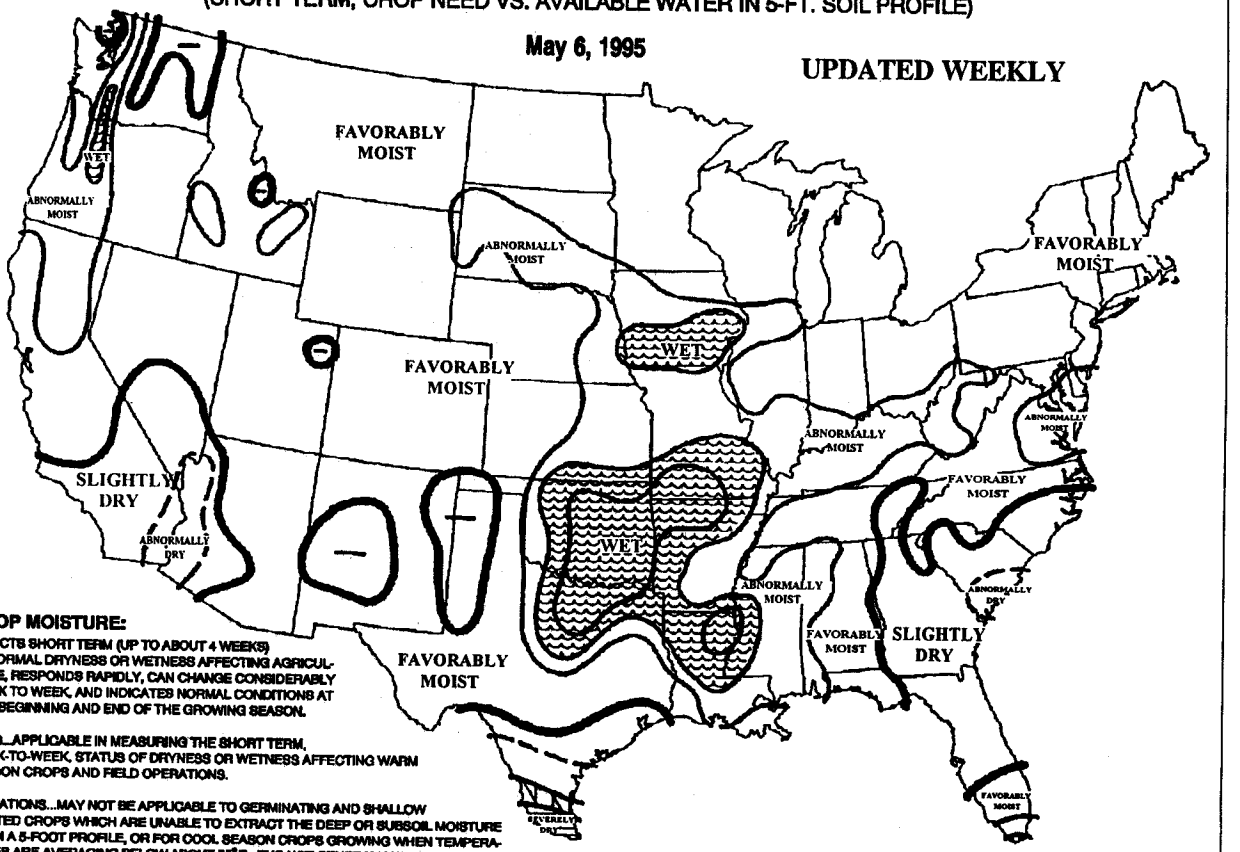
CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

May 6, 1995

UPDATED WEEKLY



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

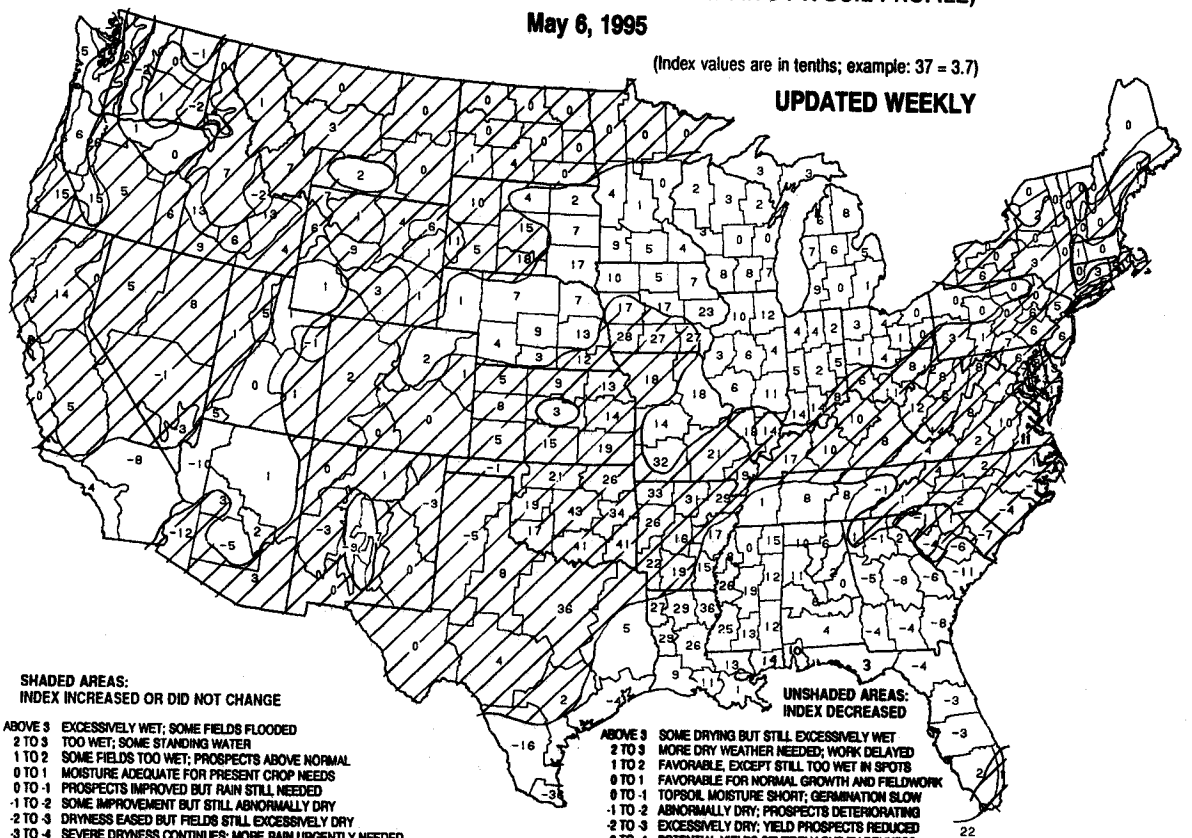
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

May 6, 1995

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

UPDATED WEEKLY



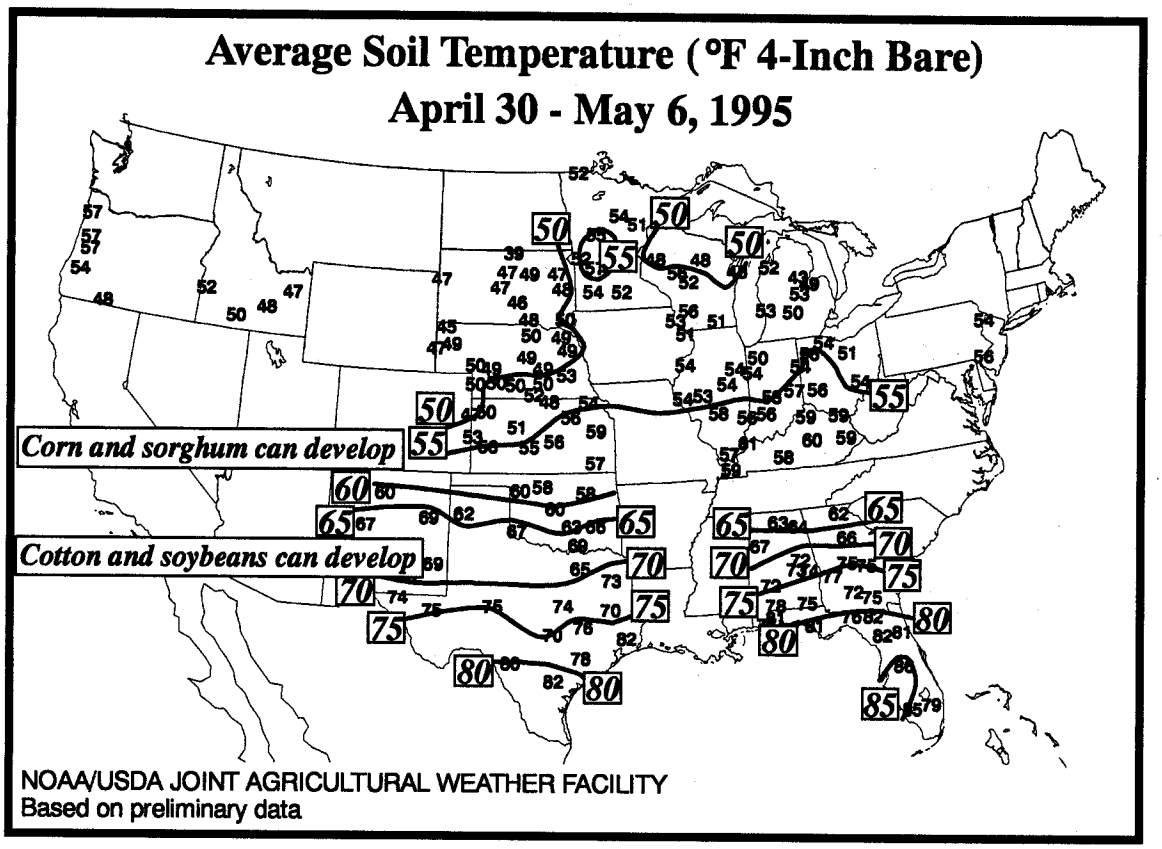
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

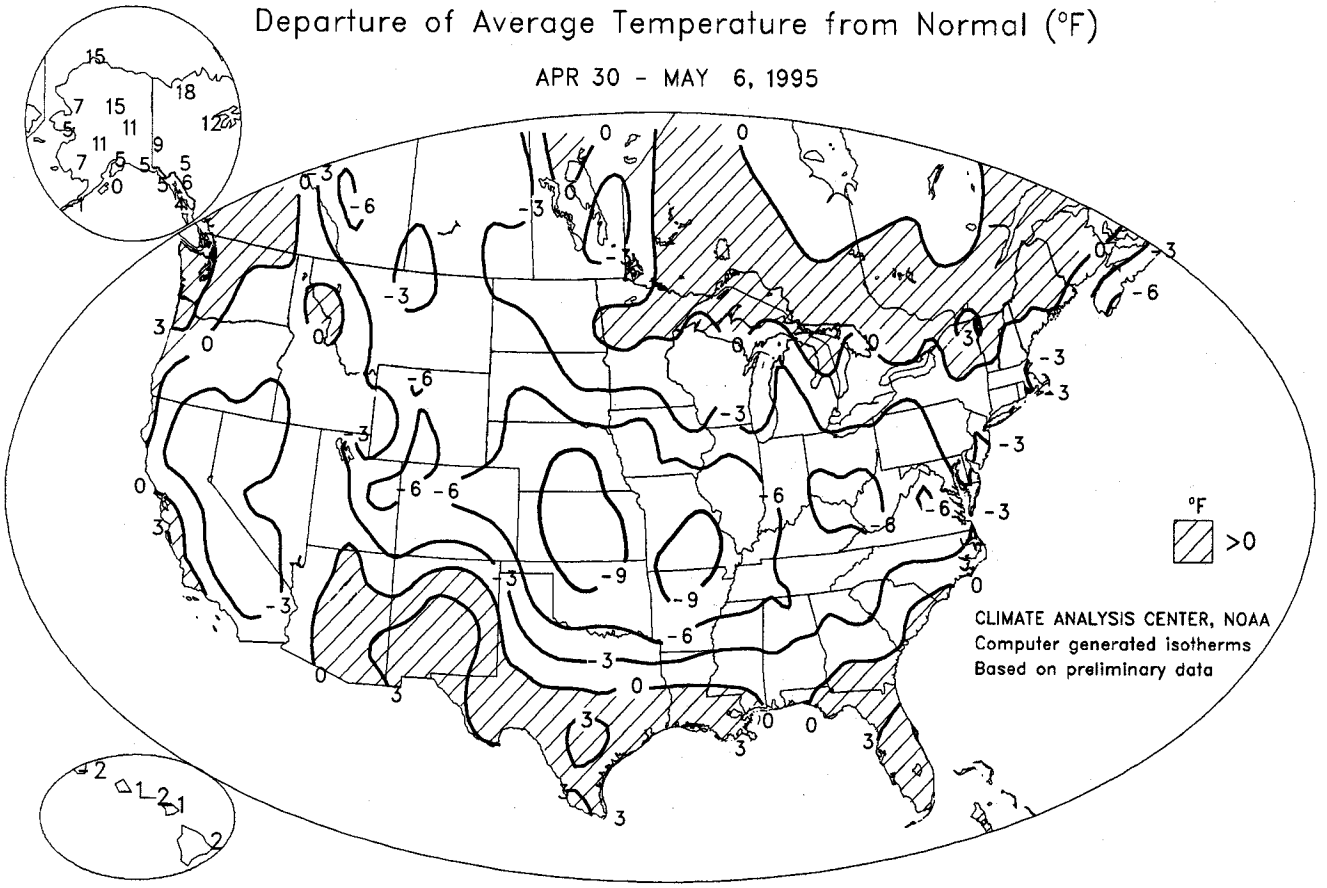
ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
0 TO 1	MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3	DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4	SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
BELOW -4	NOT ENOUGH RAIN; STILL EXTREMELY DRY

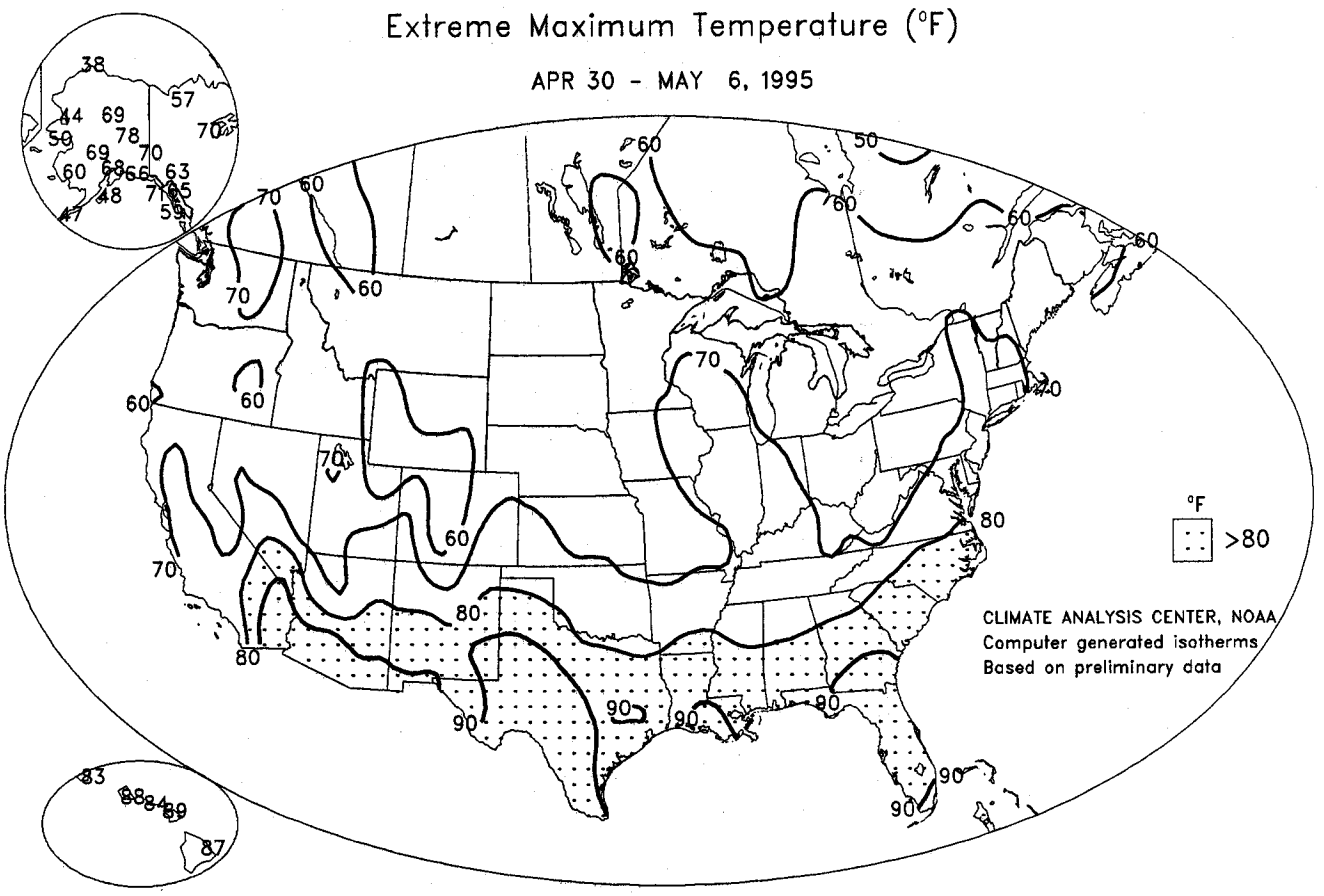
UNSHADED AREAS:
INDEX DECREASED

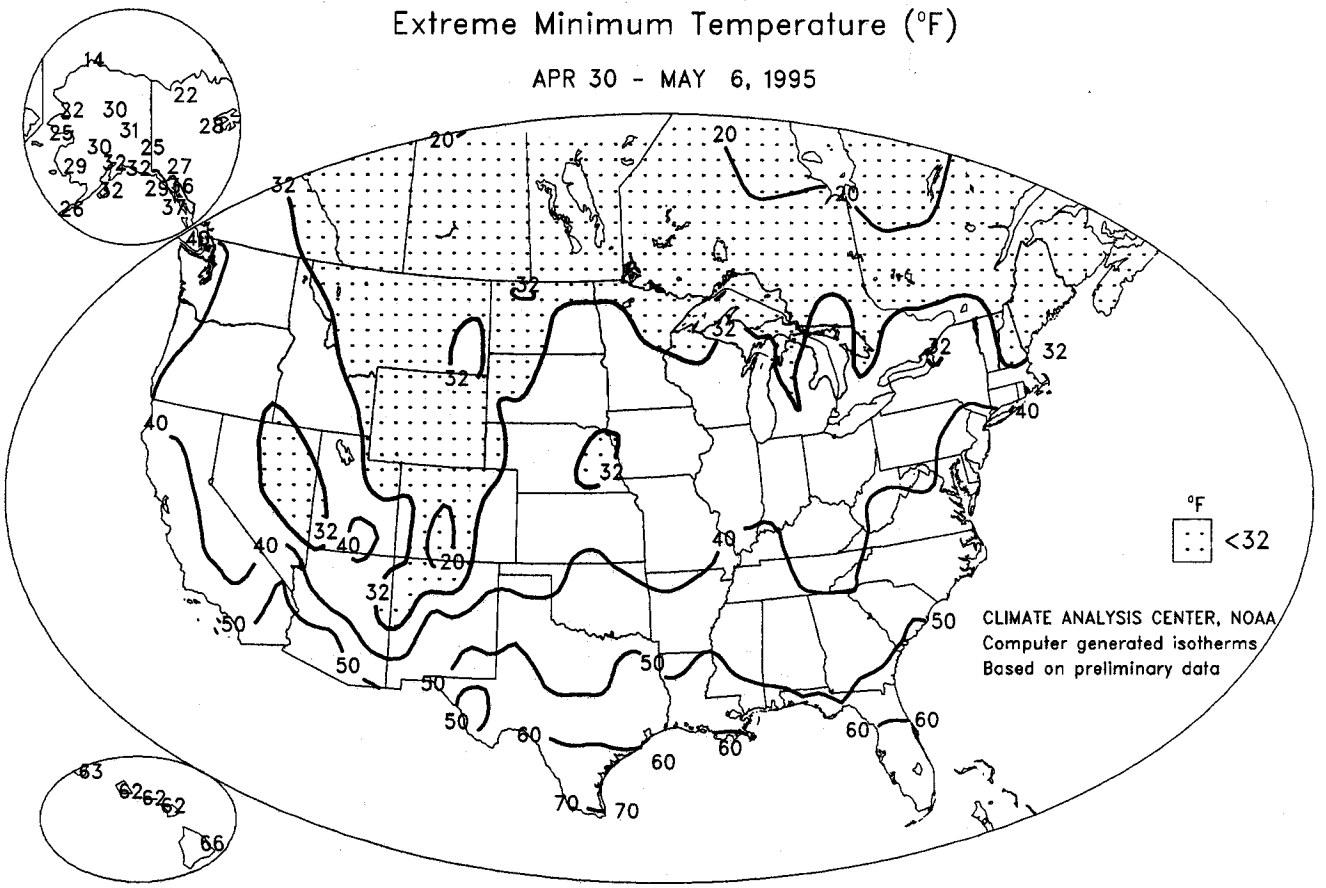
ABOVE 3	SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3	MORE DRY WEATHER NEEDED; WORK DELAYED
1 TO 2	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1	TOPSOIL MOISTURE SHORT; GERMINATION SLOW
-1 TO -2	ABNORMALLY DRY; PROSPECTS DETERIORATING
-2 TO -3	EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
-3 TO -4	POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4	EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports


Average Soil Temperature (°F 4-Inch Bare)
April 30 - May 6, 1995
Corn and sorghum can develop
Cotton and soybeans can develop
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data


Departure of Average Temperature from Normal (°F)
APR 30 - MAY 6, 1995
°F
>0
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isotherms
Based on preliminary data


Extreme Maximum Temperature (°F)
APR 30 - MAY 6, 1995
°F
>80
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isotherms
Based on preliminary data


Extreme Minimum Temperature (°F)
APR 30 - MAY 6, 1995
°F
<32
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isotherms
Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending May 6, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	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
AL BIRMINGHAM	73	52	76	42	62	-4	.9	-.2	.8	9.0	74	16.6	75	91	51	0	0	2	1
MOBILE	82	59	90	51	71	-1	T	-1.2	T	16.0	134	25.9	117	92	38	1	0	1	0
MONTGOMERY	81	55	87	46	68	0	T	-.9	T	7.9	70	20.0	93	91	44	0	0	1	0
AK ANCHORAGE	57	37	68	32	47	5	.1	.0	.1	1.1	72	2.6	84	90	41	0	2	3	0
BARROW	30	21	38	14	25	15	T	.0	T	.4	92	.9	137	93	84	0	7	0	0
FAIRBANKS	69	37	78	31	53	11	T	-.1	T	.4	44	.9	53	89	24	0	1	0	0
JUNEAU	61	40	65	36	50	6	.0	-.7	.0	3.4	50	--	--	94	40	0	0	0	0
KODIAK	46	36	48	32	41	0	2.0	.9	1.2	12.9	131	27.0	120	94	71	0	2	4	2
NOME	40	27	50	25	34	5	T	-.1	T	2.1	159	5.1	187	86	66	0	7	2	0
AZ PHOENIX	86	65	93	56	76	1	T	.0	T	1.3	114	3.0	121	39	14	3	0	0	0
PRESCOTT	67	46	75	37	56	2	.1	-.1	.0	1.4	49	4.3	74	56	24	0	0	2	0
TUCSON	87	57	94	48	72	2	.0	-.1	.0	.8	75	3.6	137	41	11	5	0	0	0
YUMA	86	64	94	54	75	-1	.0	.0	.0	.2	55	1.9	194	47	16	2	0	0	0
AR FORT SMITH	66	51	73	42	59	-7	1.9	.7	1.0	8.9	99	12.9	96	96	66	0	0	4	2
LITTLE ROCK	67	52	76	43	59	-7	1.2	.1	.7	9.7	94	15.6	92	84	55	0	0	5	1
CA BAKERSFIELD	74	53	83	45	64	-4	.3	.2	.2	4.5	268	7.6	213	70	23	0	0	2	0
EUREKA	59	48	64	43	54	2	.7	.2	.4	19.1	222	33.2	172	91	64	0	0	3	0
FRESNO	72	53	80	46	63	-3	1.0	.9	.7	7.9	270	14.3	214	87	30	0	0	3	1
LOS ANGELES	65	55	67	50	60	-1	T	-.1	T	6.4	232	19.7	258	89	67	0	0	0	0
REDDING	70	49	74	42	60	-3	.7	.4	.4	19.7	291	44.3	257	93	43	0	0	3	0
SACRAMENTO	70	50	73	44	60	-2	1.0	.8	.4	11.5	302	22.8	218	100	52	0	0	3	0
SAN DIEGO	67	57	71	52	62	-1	.3	.2	.2	5.0	193	15.0	252	86	52	0	0	2	0
SAN FRANCISCO	63	51	65	47	57	0	.5	.4	.3	10.4	230	19.7	163	93	66	0	0	2	0
CO DENVER	57	37	64	30	47	-6	.6	.1	.5	2.5	73	3.6	79	93	54	0	1	3	0
GRAND JUNCTION	65	43	73	37	54	-5	.7	.5	.5	3.3	149	4.5	135	81	24	0	0	3	1
PUEBLO	68	35	72	32	52	-6	T	-.2	T	3.4	180	3.6	142	94	30	0	1	1	0
CT BRIDGEPORT	62	47	73	43	54	0	.9	.0	.4	6.1	74	12.0	82	82	44	0	0	4	0
HARTFORD	65	42	73	36	53	-2	.7	-.3	.4	4.7	57	11.8	79	83	34	0	0	3	0
DC WASHINGTON	65	50	73	45	58	-4	1.2	.4	.6	4.6	70	9.5	79	86	49	0	0	5	1
FL PANAMA CITY	82	64	86	57	73	2	T	-.7	T	7.8	79	12.0	59	93	57	0	0	0	0
DAYTONA BEACH	87	66	92	58	76	4	T	-.6	T	3.4	60	6.3	55	96	49	3	0	1	0
JACKSONVILLE	87	59	94	51	73	1	.0	-.6	.0	5.4	81	9.4	69	96	43	2	0	0	0
KEY WEST	86	75	89	72	81	2	.9	.3	.7	4.7	118	9.0	115	90	69	0	0	3	1
MIAMI	87	72	89	68	80	2	.7	-.3	.7	9.1	148	13.6	133	93	61	0	0	2	1
ORLANDO	89	67	91	62	78	4	1.6	1.1	1.6	4.6	84	7.2	67	96	47	4	0	1	1
TALLAHASSEE	87	56	93	46	71	1	.0	-.9	.0	7.8	72	13.7	65	87	39	2	0	0	0
TAMPA	90	69	95	65	80	5	.0	-.4	.0	3.5	77	9.0	94	93	45	4	0	0	0
WEST PALM BEACH	86	72	90	67	79	3	.4	-.8	.2	5.3	77	8.6	70	93	62	1	0	3	0
GA ATLANTA	75	56	81	49	65	-1	.5	-.5	.3	6.2	57	16.3	80	88	43	0	0	3	0
AUGUSTA	81	49	87	41	65	-3	.1	-.7	.1	3.0	35	13.3	78	91	35	0	0	2	0
MACON	81	51	87	42	66	-3	.1	-.7	.1	3.6	40	14.9	82	94	34	0	0	2	0
SAVANNAH	84	59	92	51	72	1	.0	-.8	.0	1.4	19	8.3	58	84	37	1	0	0	0
HI HILO	82	68	87	66	75	2	1.6	-1.2	1.2	13.9	44	20.0	39	90	63	0	0	4	1
HONOLULU	84	68	88	62	76	-1	.4	.1	.3	2.9	72	9.6	98	83	51	0	0	2	0
KAHULUI	83	66	89	62	75	0	.2	-.1	.2	4.1	86	7.7	66	76	56	0	0	1	0
LIHUE	79	67	83	63	73	-2	.1	-.7	.1	5.2	62	12.4	71	81	61	0	0	2	0
ID BOISE	59	44	64	35	51	-3	1.8	1.6	.6	4.3	156	6.9	131	92	54	0	0	5	1
LEWISTON	61	47	65	42	54	-1	T	-.3	T	2.9	118	4.9	105	81	48	0	0	0	0
POCATELLO	57	38	65	33	48	-2	1.3	1.0	.4	5.2	192	7.1	152	94	60	0	0	7	0
IL CHICAGO	61	41	72	38	51	-4	.1	-.7	.1	7.3	104	10.9	110	86	42	0	0	3	0
MOLINE	63	43	74	39	53	-4	.1	-.8	.1	7.7	100	11.5	110	87	43	0	0	1	0
PEORIA	61	42	73	38	51	-6	.1	-.8	.0	6.4	87	9.8	95	89	51	0	0	2	0
QUINCY	59	42	73	35	51	-8	.2	-.8	.2	4.8	61	8.0	75	82	52	0	0	2	0
ROCKFORD	62	41	74	36	51	-3	.1	-.7	.1	6.1	89	8.0	86	92	47	0	0	1	0
SPRINGFIELD	62	43	74	40	52	-7	.1	-.8	.1	6.2	82	10.8	99	92	51	0	0	2	0
IN EVANSVILLE	66	47	75	41	56	-7	1.5	.4	1.3	9.5	95	15.3	93	93	49	0	0	4	1
FORT WAYNE	61	42	70	37	52	-4	.5	-.3	.3	7.4	107	10.6	99	88	46	0	0	2	0
INDIANAPOLIS	62	43	71	39	53	-6	.4	-.5	.2	6.1	74	9.5	73	92	54	0	0	4	0
SOUTH BEND	60	40	70	35	50	-5	.6	-.2	.3	6.7	89	10.8	93	91	48	0	0	2	0
IA DES MOINES	60	45	68	40	53	-5	.3	-.6	.2	9.1	139	10.8	126	90	48	0	0	3	0
SIOUX CITY	58	42	65	33	50	-7	.8	.1	.4	7.5	153	8.0	130	92	56	0	0	6	0
WATERLOO	63	42	73	38	53	-3	.1	-.7	.1	7.2	114	8.1	99	91	40	0	0	3	0
KS CONCORDIA	57	44	67	35	50	-8	1.3	.5	.6	5.3	101	6.1	93	99	75	0	0	5	1
DODGE CITY	59	43	71	37	51	-9	.4	-.2	.2	4.5	108	5.3	101	98	71	0	0	5	0
GOODLAND	55	39	70	33	47	-8	1.2	.6	.5	4.0	134	4.5	119	99	70	0	0	5	0
TOPEKA	59	44	66	33	51	-9	1.5	.6	.8	6.5	104	8.6	106	99	67	0	0	5	1
WICHITA	59	46	67	38	53	-10	1.1	.3	.4	6.6	106	7.3	89	96	69	0	0	5	0
KY BOWLING GREEN	67	48	74	39	58	-5	1.1	.0	.8	4.5	44	9.7	53	99	66	0	0	3	1
LEXINGTON	63	45	71	39	54	-6	1.4	.4	.9	8.5	93	15.8	106	94	55	0	0	5	1
LOUISVILLE	65	47	74	41	56	-5	1.2	.1	1.1	5.9	60	10.7	67	97	56	0	0	4	1
LA BATON ROUGE	84	64	90	56	74	1	.2	-1.0	.2	20.3	181	29.3	135	98	60	2	0	2	0
LAKE CHARLES	84	66	89	57	75	3	T	-1.1	T	10.4	137	18.2	116	95	60	0	0	0	0
NEW ORLEANS	85	63	89	58	74	2	1.2	.2	1.2	12.9	126	21.5	101	93	47	0	0	1	1
SHREVEPORT	78	59	85	50	69	0	1.1	-.2	.4	12.9	142	22.1	127	93	61	0	0	4	0

Based on 1961-90 normals.

Weather Data for the Week Ending May 6, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	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
ME CARIBOU	62	35	67	33	48	2	.2	-.5	.2	4.5	82	12.9	132	80	30	0	0	1	0
PORTLAND	57	36	63	31	47	-3	T	-.8	T	4.3	51	12.8	83	97	52	0	2	1	0
MD BALTIMORE	66	48	73	44	57	-2	1.4	.6	.8	4.6	64	8.8	66	89	48	0	0	4	2
SALISBURY	66	49	72	44	57	-2	2.3	1.5	1.0	6.0	75	9.9	65	95	53	0	0	3	2
MA BOSTON	58	44	67	38	51	-3	.2	-.5	.2	3.9	49	10.7	71	86	51	0	0	1	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	62	37	65	32	50	2	.1	-.5	.1	4.2	87	6.8	88	84	36	0	1	1	0
DETROIT	62	44	67	41	53	-1	.1	-.5	.1	5.3	87	8.7	91	75	40	0	0	3	0
FLINT	60	40	65	34	50	-3	.2	-.4	.2	4.2	75	7.0	84	87	44	0	0	2	0
GRAND RAPIDS	59	40	65	33	50	-3	.6	-.1	.6	6.0	90	9.6	98	87	44	0	0	1	1
HOUGHTON LAKE	60	35	67	32	48	-2	.1	-.4	.1	4.7	100	7.4	101	83	40	0	3	1	0
LANSING	59	37	65	29	48	-4	.6	-.1	.6	5.4	96	8.9	107	96	46	0	3	1	1
MARQUETTE	55	36	61	31	46	1	.1	-.5	.1	5.7	96	10.1	102	85	39	0	1	1	0
MUSKEGON	58	41	64	34	49	-2	.2	-.5	.1	5.4	91	9.6	98	83	43	0	0	2	0
SAULT ST. MARIE	58	34	67	31	46	0	.1	-.5	.0	5.8	112	9.4	101	92	46	0	2	2	0
MN ALEXANDRIA	61	43	64	38	52	1	.1	-.5	.1	3.1	76	4.1	72	87	38	0	0	1	0
DULUTH	60	37	67	29	48	2	.1	-.5	.1	4.3	92	6.7	100	76	31	0	2	2	0
INT'L FALLS	59	35	66	29	47	0	1.0	.6	.9	3.0	98	4.7	103	90	41	0	3	2	1
MINNEAPOLIS	63	42	68	36	53	-1	T	-.7	T	4.0	81	4.6	68	76	31	0	0	1	0
ROCHESTER	60	41	70	39	51	-2	T	-.7	T	5.9	115	6.5	98	84	42	0	0	1	0
MS GREENWOOD	74	56	80	49	65	-4	.5	-.7	.4	13.7	115	19.5	91	94	55	0	0	3	0
JACKSON	78	57	83	50	67	-1	.6	-.7	.4	15.8	126	21.6	94	94	58	0	0	4	0
MERIDIAN	79	57	85	48	68	0	.6	-.5	.5	13.6	104	21.0	89	97	54	0	0	2	1
MO CAPE GIRARDEAU	63	47	71	42	55	-8	1.8	.6	1.8	7.9	75	14.9	89	95	56	0	0	3	1
COLUMBIA	58	44	67	36	51	-8	1.3	.3	.8	9.5	123	16.0	146	97	64	0	0	5	1
KANSAS CITY	59	43	66	34	51	-9	1.5	.4	.6	4.3	66	7.1	81	95	62	0	0	5	1
SAINT LOUIS	61	48	71	41	54	-8	1.1	.2	.7	7.6	97	13.3	113	88	55	0	0	4	1
SPRINGFIELD	59	44	68	33	52	-9	2.3	1.3	.8	11.5	133	17.0	138	96	67	0	0	6	2
MT BILLINGS	56	35	67	22	46	-5	.7	.1	.5	3.8	114	4.7	95	91	50	0	2	2	1
GLASGOW	59	37	70	28	48	-3	T	-.3	T	2.1	155	2.2	108	85	43	0	2	1	0
GREAT FALLS	56	35	61	28	46	-4	.4	-.1	.3	3.3	112	3.4	77	94	48	0	3	3	0
HAVRE	61	38	69	29	49	-1	.1	-.2	.1	2.6	139	2.9	103	88	38	0	2	2	0
HELENA	56	35	65	21	46	-3	.7	.3	.5	2.3	116	2.4	79	94	49	0	2	2	1
KALISPELL	59	40	65	27	49	1	.3	.0	.2	3.2	134	4.8	96	86	38	0	1	4	0
MILES CITY	60	39	70	34	49	-3	T	-.4	T	2.5	108	2.9	87	90	38	0	0	0	0
MISSOULA	61	41	68	35	51	2	.4	.1	.2	1.8	80	3.0	70	81	37	0	0	5	0
NE GRAND ISLAND	54	40	59	30	47	-10	1.9	1.2	1.0	5.7	112	6.4	102	97	74	0	1	4	2
LINCOLN	58	42	64	31	50	-7	1.2	.4	.7	7.5	135	8.7	128	96	66	0	1	5	1
NORFOLK	57	40	64	29	48	-8	1.4	.7	.5	7.6	161	8.6	142	95	59	0	2	6	1
NORTH PLATTE	53	41	66	35	47	-7	1.3	.6	.9	4.7	124	4.9	107	97	67	0	0	6	1
OMAHA	60	42	67	31	51	-7	1.2	.3	.9	7.9	143	9.1	130	94	57	0	1	6	1
SCOTTSBLUFF	55	38	66	29	46	-6	.5	.0	.2	3.1	99	4.8	117	96	60	0	1	4	0
VALENTINE	54	41	63	35	47	-8	1.1	.4	.5	4.9	121	5.5	108	88	61	0	0	6	0
NV ELY	56	33	69	25	44	-2	.3	.0	.2	3.1	143	4.6	131	88	33	0	3	3	0
LAS VEGAS	80	59	89	49	69	0	T	-.1	T	.4	58	3.5	210	46	17	0	0	1	0
RENO	60	42	66	38	51	-2	.3	.2	.3	3.5	293	7.0	213	85	34	0	0	3	0
WINNEMUCCA	57	37	63	32	47	-4	1.1	.9	.5	3.8	213	5.4	172	94	52	0	2	5	1
NH CONCORD	64	34	74	29	49	-1	T	-.7	T	4.1	66	9.6	85	94	34	0	2	0	0
NJ ATLANTIC CITY	62	43	71	39	53	-3	1.1	.3	.6	3.6	46	8.3	58	92	51	0	0	3	1
NM ALBUQUERQUE	77	52	80	44	64	4	T	-.1	T	.9	79	1.8	88	47	15	0	0	0	0
CLOVIS	77	50	87	44	63	2	.2	-.1	.1	.8	47	1.3	52	77	25	0	0	2	0
ROSWELL	84	54	93	52	69	3	T	-.2	T	.4	42	--	--	55	20	1	0	0	0
NY ALBANY	63	39	72	37	51	-2	.2	-.6	.2	4.3	65	8.4	75	92	36	0	0	2	0
BINGHAMTON	58	41	63	38	50	-2	.2	-.5	.1	4.2	64	9.2	81	82	40	0	0	2	0
BUFFALO	61	40	64	34	50	-2	T	-.7	T	2.8	45	10.3	92	76	37	0	0	0	0
NEW YORK	63	51	72	46	57	-1	.9	.0	.4	3.5	44	10.2	73	78	42	0	0	3	0
ROCHESTER	62	38	67	32	50	-3	.0	-.6	.0	2.3	43	6.4	66	77	35	0	1	0	0
SYRACUSE	63	40	66	34	51	-2	T	-.7	T	3.2	47	7.2	64	77	34	0	0	0	0
NC ASHEVILLE	67	46	76	40	57	-4	1.1	.1	1.1	4.5	43	14.4	77	97	51	0	0	2	1
CHARLOTTE	71	52	79	42	61	-2	2.6	1.8	1.8	4.8	61	13.6	88	91	45	0	0	3	2
GREENSBORO	69	50	79	45	59	-3	1.2	.3	.6	3.4	47	10.0	72	86	47	0	0	3	1
HATTERAS	71	55	78	48	63	-1	.7	-.2	.5	2.8	32	17.5	97	84	55	0	0	3	0
NEW BERN	75	53	83	45	64	-2	.5	-.4	.5	2.6	32	6.2	38	91	46	0	0	1	0
RALEIGH	71	50	80	47	61	-3	.9	.2	.5	4.7	67	13.8	97	96	48	0	0	3	1
WILMINGTON	77	54	82	46	66	0	1.1	.3	.9	5.6	69	15.0	87	94	46	0	0	2	1
ND BISMARCK	58	37	70	27	48	-3	.9	.5	.6	3.5	124	4.2	113	96	49	0	2	5	1
FARGO	62	43	67	37	53	1	.3	-.3	.2	3.6	108	5.0	111	87	39	0	0	3	0
GRAND FORKS	61	40	69	32	51	0	.2	-.2	.1	2.3	86	3.0	78	94	42	0	1	4	0
WILLISTON	59	37	68	33	48	-3	.4	.0	.3	2.3	101	3.4	105	92	44	0	0	3	0
OH AKRON-CANTON	59	41	65	35	50	-5	.2	-.6	.1	5.1	71	11.3	98	93	43	0	0	4	0
CINCINNATI	62	45	70	41	53	-5	1.2	.2	.7	7.9	90	13.2	94	96	54	0	0	5	1
CLEVELAND	59	41	64	35	50	-4	.1	-.7	.1	6.1	91	13.6	125	92	50	0	0	2	0
COLUMBUS	60	41	67	34	51	-5	.6	-.3	.2	5.3	71	11.5	99	94	53	0	0	5	0
DAYTON	59	42	66	34	51	-7	1.1	.3	.5	8.9	117	12.8	107	91	53	0	0	5	1

Based on 1961-90 normals.

Weather Data for the Week Ending May 6, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTRME 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
TOLEDO	62	43	69	38	52	-2	.4	-.2	.2	6.4	104	10.0	104	87	44	0	0	3	0
YOUNGSTOWN	61	41	65	36	51	-3	T	-.7	T	4.3	63	8.3	75	88	41	0	0	1	0
OK OKLAHOMA CITY	66	50	70	41	58	-7	1.4	.4	.7	7.2	113	8.6	94	97	66	0	0	4	1
TULSA	64	50	70	42	57	-9	1.4	.2	.9	9.0	110	10.6	90	98	67	0	0	4	1
OR ASTORIA	59	48	62	44	53	3	1.2	.4	.5	15.7	127	31.8	106	95	69	0	0	5	0
BURNS	55	40	59	37	47	0	.9	.7	--	4.0	215	7.3	203	81	45	0	0	-	-
MEDFORD	63	45	68	41	54	0	.4	.2	.2	5.5	172	11.4	146	92	46	0	0	4	0
PENDLETON	60	45	65	40	52	-2	.3	.1	.1	4.5	185	8.2	159	89	55	0	0	3	0
PORTLAND	62	50	68	44	56	2	1.0	.5	.5	8.3	130	17.0	109	89	57	0	0	5	0
SALEM	63	48	68	41	56	4	.8	.3	.4	9.6	138	22.6	130	91	57	0	0	5	0
PA ALLENTOWN	61	45	71	40	53	-3	1.2	.3	.5	6.3	83	12.4	90	87	43	0	0	5	1
ERIE	57	42	62	39	50	-2	.0	-.7	.0	5.5	80	10.6	93	82	42	0	0	0	0
HARRISBURG	62	48	71	42	55	-3	1.0	.1	.6	3.7	50	8.7	66	90	47	0	0	3	1
PHILADELPHIA	65	50	73	46	57	0	1.0	.1	.6	4.1	50	9.6	65	90	47	0	0	4	1
PITTSBURGH	59	43	65	33	51	-4	.7	-.1	.4	3.7	52	7.7	63	87	43	0	0	5	0
SCRANTON	61	44	69	41	52	-2	.3	-.4	.2	3.7	60	7.9	75	84	42	0	0	4	0
RI PROVIDENCE	63	42	74	35	53	0	1.0	.1	.8	6.2	69	13.0	79	85	40	0	0	3	1
SC CHARLESTON	82	60	88	53	71	2	T	-.7	T	2.5	33	10.2	71	83	39	0	0	1	0
COLUMBIA	81	52	87	44	67	-1	.3	-.4	.3	2.9	34	14.1	82	91	35	0	0	1	0
FLORENCE	80	54	88	45	67	-1	T	-.7	T	2.1	28	12.9	90	93	37	0	0	1	0
GREENVILLE	73	49	78	42	61	-3	.8	-.1	.7	4.7	47	16.2	87	92	46	0	0	2	1
SD ABERDEEN	58	43	68	37	51	-2	.5	-.1	.4	4.7	136	5.8	125	94	52	0	0	3	0
HURON	58	43	67	39	51	-3	.7	.1	.3	9.0	212	9.7	183	96	58	0	0	4	0
RAPID CITY	54	37	63	33	45	-6	1.9	1.3	.8	4.4	131	5.1	118	96	64	0	0	6	2
SIOUX FALLS	60	43	70	34	51	-3	.7	.1	.3	10.5	223	10.8	184	95	45	0	0	6	0
TN CHATTANOOGA	71	48	76	41	60	-4	1.0	.0	.4	6.7	59	18.5	88	94	44	0	0	3	0
KNOXVILLE	68	49	72	38	59	-3	1.3	.4	1.2	6.5	68	16.1	90	95	54	0	0	3	1
MEMPHIS	67	53	72	46	60	-8	T	-1.2	T	6.2	52	15.4	77	93	58	0	0	0	0
NASHVILLE	69	49	71	42	59	-5	.9	-.2	.6	8.6	84	16.0	91	95	55	0	0	3	1
TX ABILENE	79	57	90	50	68	-2	2.4	1.8	1.9	5.1	134	6.8	113	93	44	1	0	4	1
AMARILLO	70	46	81	40	58	-4	.7	.3	.6	2.3	100	2.6	76	97	40	0	0	3	1
AUSTIN	84	65	89	54	74	1	.1	-.9	.1	5.4	102	7.6	83	89	52	0	0	1	0
BEAUMONT	84	66	89	56	75	2	T	-1.1	T	7.6	98	15.0	94	98	61	0	0	0	0
BROWNSVILLE	88	73	90	70	81	2	T	-.6	T	.6	24	1.4	26	92	62	1	0	0	0
CORPUS CHRISTI	84	71	87	67	78	2	.1	-.6	.1	5.3	166	8.3	120	91	60	0	0	2	0
DEL RIO	90	67	97	61	79	5	T	-.7	T	1.8	46	2.2	33	81	55	5	0	1	0
EL PASO	87	62	91	52	75	7	T	.0	T	.5	86	1.6	117	31	11	2	0	1	0
FORT WORTH	74	57	82	48	66	-2	4.2	3.0	3.5	17.7	229	20.3	169	94	64	0	0	5	1
GALVESTON	80	71	83	62	76	2	T	-.7	T	5.6	107	6.9	64	89	69	0	0	0	0
HOUSTON	85	67	90	55	76	4	T	-1.0	T	6.7	89	15.2	102	93	55	1	0	1	0
LUBBOCK	79	53	91	49	66	0	1.0	.6	.7	2.3	105	2.9	89	93	27	1	0	2	1
MIDLAND	83	57	95	54	70	0	.4	.0	.4	1.0	64	2.4	92	90	27	2	0	1	0
SAN ANGELO	86	57	99	50	72	0	.1	-.5	.1	3.8	123	6.9	139	88	32	3	0	2	0
SAN ANTONIO	88	67	93	57	78	5	T	-.8	T	1.7	35	3.1	38	90	45	4	0	1	0
VICTORIA	85	68	89	59	77	3	.0	-.9	.0	4.9	85	6.0	51	92	49	0	0	0	0
WACO	79	59	86	47	69	-2	2.5	1.5	2.1	13.3	208	15.2	151	95	64	0	0	3	1
WICHITA FALLS	72	53	76	45	63	-5	.9	.0	.5	4.7	76	5.7	60	95	63	0	0	3	0
UT CEDAR CITY	63	39	71	33	51	-2	.4	.2	.2	3.9	150	5.4	127	85	30	0	0	3	0
SALT LAKE CITY	63	44	71	41	53	-1	.7	.2	.4	4.9	110	7.8	114	88	41	0	0	4	0
VT BURLINGTON	64	40	72	36	52	1	T	-.7	T	4.0	71	7.1	79	81	31	0	0	0	0
VA NORFOLK	69	52	83	50	61	-1	2.2	1.4	1.0	6.8	92	12.0	82	83	49	0	0	4	2
RICHMOND	66	47	74	43	57	-5	2.1	1.3	1.0	6.4	87	10.7	78	89	38	0	0	5	2
ROANOKE	65	49	73	46	57	-3	1.3	.5	1.0	3.4	45	12.6	96	90	50	0	0	5	1
WA QUILLAYUTE	59	45	63	39	52	3	.4	-1.0	.3	16.3	81	41.4	88	96	46	0	0	3	0
SEATTLE-TACOMA	62	50	67	48	56	4	.5	.1	.3	6.6	107	16.1	103	95	46	0	0	3	0
SPOKANE	60	41	64	36	50	0	1.0	.7	.7	5.7	194	10.1	157	87	40	0	0	3	1
YAKIMA	64	43	70	34	54	0	T	-.1	T	2.2	168	4.5	138	75	35	0	0	1	0
WV BECKLEY	58	44	64	40	51	-5	1.5	.7	.5	5.6	74	13.5	101	97	61	0	0	6	2
CHARLESTON	60	45	69	42	52	-7	1.3	.5	.5	6.5	84	15.5	114	99	66	0	0	5	1
HUNTINGTON	62	43	70	33	53	-5	2.0	1.1	1.1	7.2	91	14.7	105	97	54	0	0	5	2
PARKERSBURG	60	44	66	40	52	-7	--	--	--	--	--	--	--	98	55	0	0	-	-
WI GREEN BAY	61	39	70	37	50	-1	.0	-.6	.0	4.1	84	5.2	73	79	38	0	0	0	0
LACROSSE	63	44	72	39	54	-1	T	-.7	T	6.8	124	7.9	108	82	32	0	0	0	0
MADISON	64	37	75	33	50	-3	T	-.7	T	6.3	106	8.5	104	85	35	0	0	1	0
MILWAUKEE	59	42	73	40	51	0	T	-.7	T	5.7	84	8.0	82	83	48	0	0	1	0
WAUSAU	62	39	70	34	51	-1	T	-.7	T	3.7	69	4.4	62	77	29	0	0	1	0
WY CASPER	57	34	63	28	46	-3	.2	-.3	.1	2.3	80	4.1	102	92	44	0	3	3	0
CHEYENNE	54	34	60	29	44	-4	1.2	.7	.7	2.7	96	3.9	108	95	49	0	3	5	1
LANDER	55	34	61	26	45	-4	1.5	.9	.6	5.0	136	6.6	138	87	45	0	2	4	1
SHERIDAN	58	35	67	31	46	-3	.3	-.2	.2	3.0	95	4.8	107	94	49	0	2	3	0
PR SAN JUAN	91	76	94	74	83	3	1.2	-.1	1.2	5.4	75	12.5	103	90	59	4	0	1	1

Based on 1961-90 normals.

April Weather and Crop Summary

Weather

The first few days of the month featured a sharp but short-lived arctic outbreak across the North-Central and Northeastern States. The first in a seemingly endless series of storms entered the Pacific Northwest on April 7, plunging southeastward into the Plains before lifting through the Great Lakes States 5 days later. The system not only delivered freeze damage to winter wheat on April 11 (from west-central Kansas to the northern Panhandle of Texas), but was a harbinger of the track and strength of storms to come as well. The persistent pattern left the northern Plains too cool and/or wet for spring wheat planting, the Midwest too cool and wet for planting preparations, and the Mississippi Delta drenched. Outside the perimeter of the storms' influence, dryness worsened in much of the East, particularly in the Carolinas, and in the southern High Plains.

In the central Gulf Coast States, most of the month's rain fell on a few days, most notably April 10 and 20-22, causing widespread flash flooding and moderate river flooding. Natchitoches, LA recorded a monthly total of 19.98 inches. Farther north and west, precipitation totals were the among the highest April values on record in locations such as Columbia, MO (7.19 inches, ninth wettest), Pendleton, OR (2.28 inches, seventh wettest), and Sioux Falls, SD (5.83 inches, 5th wettest). Some of the precipitation fell in the form of snow, as evidenced by the monthly total of 23.4 inches in Huron, SD. Other impressive April snowfall totals included 28.3 inches in Lander, WY, 21.4 inches in Colorado Springs, CO, and 9.6 inches in North Platte, NE. In Glasgow, MT, a 24-hour snowfall record (for any month) was broken when 12.2 inches fell on April 8-9.

Farther east, dryness was pervasive from Maine to Georgia. Wilmington, NC marked its driest April on record (0.16 inches). April passed without significant snowfall in the East, concluding one of the region's least-snowy seasons. The seasonal total of 43.5 inches in Elkins, WV was their lowest since 1958-59, while the total of 0.8 inches in Atlantic City, NJ was their second lowest on record, ahead of only 1972-73.

Due to the steady procession of storms drawing cold air southward, temperatures remained below typical seasonal levels in most areas. One exception was the Southeast, which frequently found itself in the storms' warm sectors. The Nation's average temperature rose only 5.9°F from the observed March value of 44.3°F, compared to a normal 9.3°F rise. Particularly hard-hit were the North Central States, where monthly temperatures ranged from 4 to 8°F below normal.

The severe early-month cold snap dropped temperatures below 0°F in northern Minnesota. Farther east, Burlington, VT ended the month with an extreme maximum temperature of 64°F, allowing the high of 66°F of January 15 to remain as their warmest of the year to date. But in terms of the impacts of specific readings on agriculture, specifically winter wheat, monthly extreme minima on April 11 of 20°F in Amarillo, TX and 21°F in Dodge City, KS proved to be representative.

Fieldwork

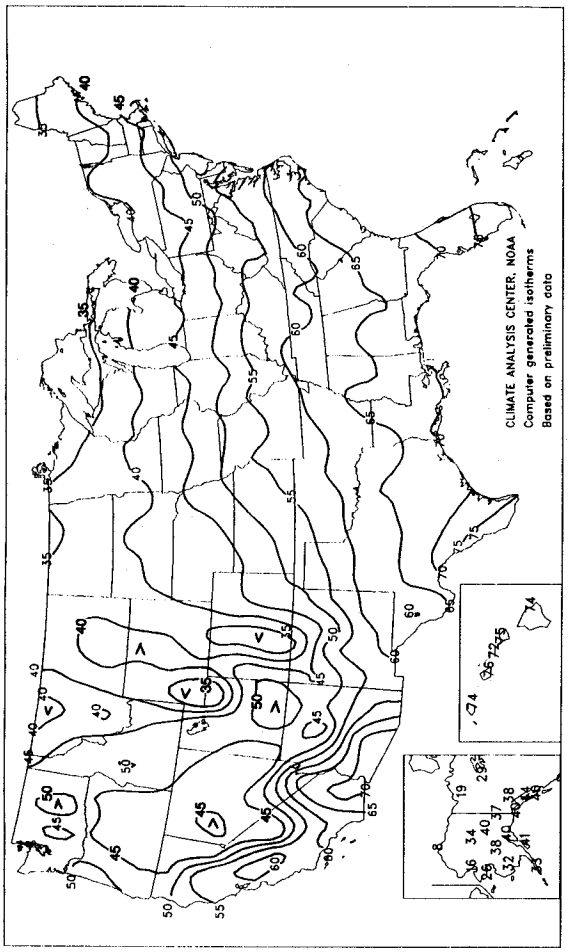
The month began with a widespread storm system, combined with Arctic temperatures, limiting field preparation in the Midwest. Winter returned to the Northern States as temperatures dropped and removed hope of early-spring planting. Fields remained too wet for planting in the Dakotas and the Great Lakes. In early April, producers delayed spring planting in the Delta region because of wet conditions and in the Southeastern States because of dry conditions. In Kansas, warm weather put wheat development ahead of normal for early April. A freeze on April 11 damaged wheat from Kansas to the Texas High Plains. April showers caused flooding in the Delta that washed away rice levees. Dry conditions in the Atlantic States and the Tennessee Valley continued to hamper spring planting and restrict germination. Heavy rains in the Gulf Coast and Ohio Valley were welcomed, but stalled planting. In the Midwest, fieldwork was delayed by cool, cloudy, and wet weather that left soil temperatures too low to plant corn. Corn planted in Kentucky, Missouri, and North Carolina was aided by dry soil conditions, but some producers were concerned with germination rates.

The middle of April failed to provide sunny weather needed to warm soil temperatures in the Midwest enough for corn planting to begin. Producers in the Great Lakes region continued to wait for warmer and drier weather to begin planting. Heavy rains in the Mississippi Delta curtailed planting progress and flooded low-lying fields. Cold weather returned to western Kansas and further threatened the winter wheat. In the Texas High Plains, light rain failed to revitalize the dryland wheat. Northern small grain producers were prevented from planting by extremely wet fields and considered switching to later-season row crops. California's cotton planting was delayed by late April rains. Towards the end of April, cool weather and wet fields slowed fieldwork over the central Great Plains and lower Mississippi Valley. Small-grain planting was delayed in the Northern States by wet soils. Cooler-than-normal weather and surplus soil moisture in the Midwest delayed corn planting. Saturated fields, combined with cold weather for late April, left fieldwork behind schedule for the Midwestern and Northern States. Cool, wet weather in the Ohio and Tennessee Valleys slowed fieldwork, but brought favorable moisture for corn germination. Heavy rainfall in Arkansas required some cotton fields to be replanted. Field activities in California slowly resumed as fields dried. Some cotton fields in California were replanted because low soil temperatures caused poor germination.

By the end of April, scattered rains in the Southeastern States brought much-needed moisture, but some dry areas remained. Wheat progress in Kansas was slowed by continued cool weather. Northern Kansas experienced freezing temperatures on April 27, with potential damage to winter wheat. 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. Cold, wet soil continued to leave the Corn Belt States behind the average for corn planting. In Louisiana, rains compacted the soil in some areas to the extent that cotton could not emerge. Most cotton cropland preparation was completed in the Texas Plains. Rice planting wound down in Texas, where producers continued to flush emerged fields.

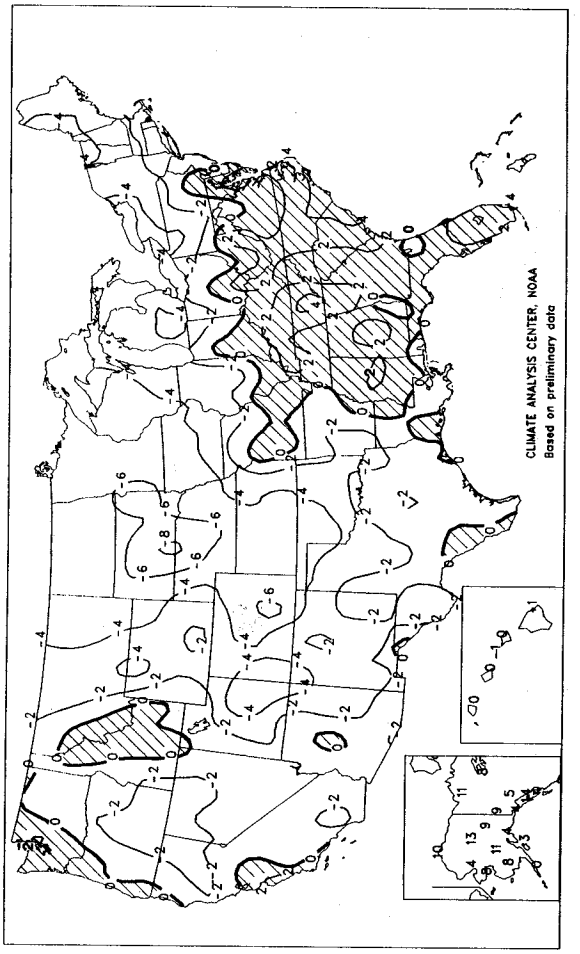
Average Temperature (°F)

APR 1995



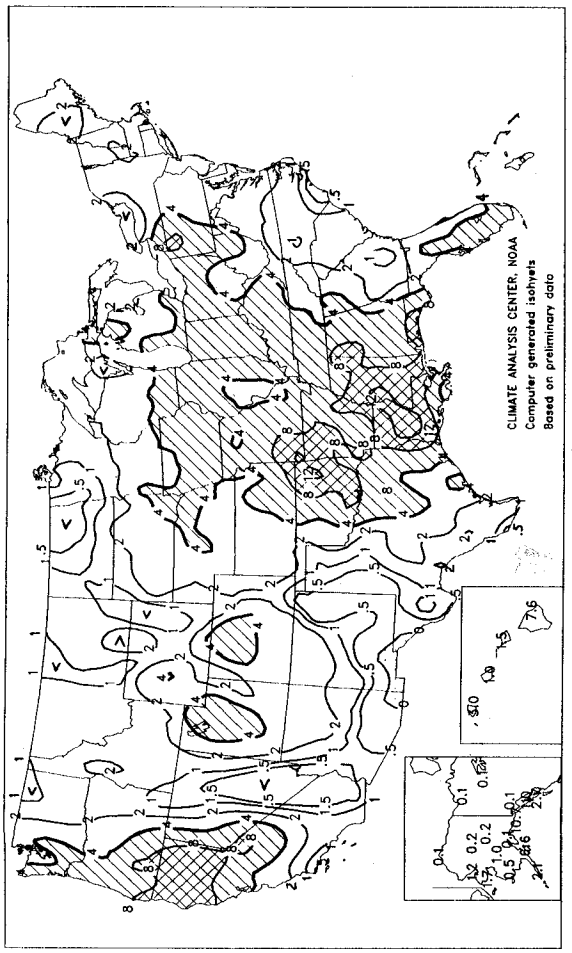
Departure of Average Temperature from Normal (°F)

APR 1995



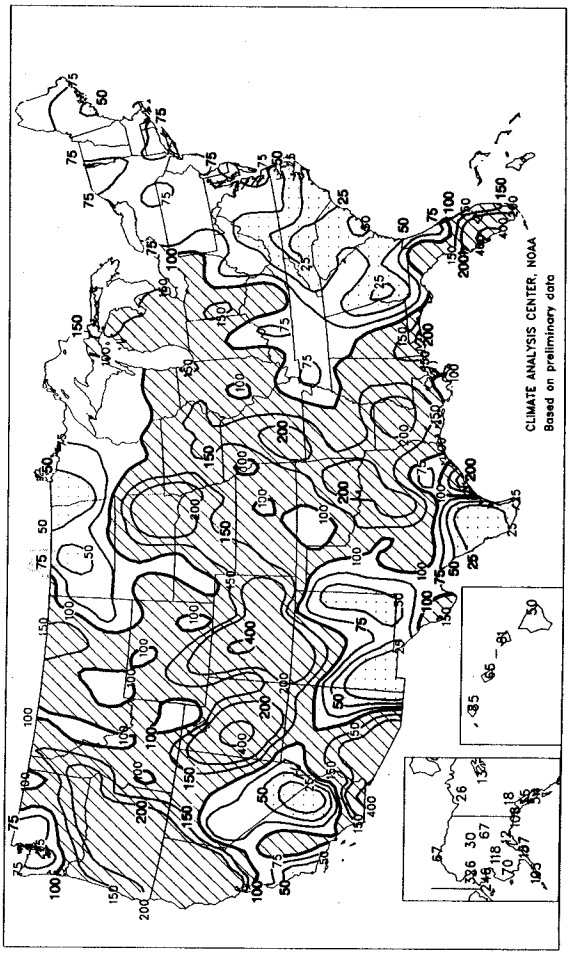
Total Precipitation (Inches)

APR 1995



Percent Of Normal Precipitation

APR 1995



TEMPERATURE AND PRECIPITATION SUMMARY
April 1995

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
AL BIRMINGHAM	64	2	4.4	-0.5
HUNTSVILLE	62	1	4.5	-0.4
MOBILE	67	-1	7.5	3.0
MONTGOMERY	66	2	4.2	-0.1
AK ANCHORAGE	40	5	0.1	-0.6
BARROW	8	10	0.1	-0.1
FAIRBANKS	40	10	0.2	-0.2
JUNEAU	44	4	1.0	-1.8
KODIAK	41	3	6.6	2.4
NOME	26	8	1.6	1.0
AZ FLAGSTAFF	40	-2	1.5	0.1
PHOENIX	68	-1	0.3	0.1
PRESCOTT	50	1	0.4	-0.4
TUCSON	65	-1	0.3	0.0
WINSLOW	52	-1	0.1	-0.2
YUMA	71	-1	0.1	-0.1
AR FORT SMITH	60	-2	5.6	1.6
LITTLE ROCK	63	0	5.0	0.6
CA BAKERSFIELD	61	-2	0.8	0.2
BISHOP	--	--	--	--
EUREKA	51	1	7.5	4.6
FRESNO	61	0	1.1	0.1
LOS ANGELES	60	0	0.7	0.0
REDDING	56	-2	4.3	2.2
SACRAMENTO	58	0	1.9	0.8
SAN DIEGO	62	0	1.0	0.2
SAN FRANCISCO	55	0	1.4	0.0
SANTA MARIA	55	0	0.4	-0.6
CO ALAMOSA	39	-2	0.9	0.4
CO. SPRINGS	42	-4	2.5	1.3
DENVER	43	-5	2.1	0.4
GRAND JUNCTION	51	-3	1.0	0.0
PUEBLO	44	-7	2.5	1.6
CT BRIDGEPORT	48	0	3.6	-0.1
HARTFORD	47	-2	2.6	-1.2
DC WASHINGTON	56	0	1.9	-0.8
FL PANAMA CITY	68	2	3.7	-0.1
DAYTONA BEACH	70	1	1.3	-0.9
FT. MYERS	75	2	5.2	4.1
JACKSONVILLE	68	0	1.8	-0.8
KEY WEST	78	1	2.2	0.4
MIAMI	77	2	3.7	0.9
ORLANDO	73	1	0.8	-1.0
TALLAHASSEE	67	1	2.1	-1.6
TAMPA	74	2	1.5	0.3
WEST PALM BEACH	76	1	2.9	0.0
GA ATHENS	63	1	3.0	-1.0
ATLANTA	66	4	3.0	-1.2
AUGUSTA	64	2	2.1	-1.2
MACON	64	0	1.2	-2.2
SAVANNAH	69	3	0.7	-2.3
HI HILO	74	1	8.2	-7.1
HONOLULU	76	1	1.1	-0.4
KAHULUI	75	1	1.5	-0.3
LIHUE	74	0	3.7	0.2
ID BOISE	48	-1	1.0	-0.2
LEWISTON	50	-1	1.6	0.5
POCATELLO	45	0	1.0	-0.2
IL CAIRO	--	--	--	--
CHICAGO	46	-3	5.8	2.2
MOLINE	48	-3	6.2	2.3
PEORIA	49	-2	4.8	1.0
QUINCY	50	-3	3.2	-0.6
ROCKFORD	45	-3	4.6	0.9
SPRINGFIELD	52	-2	2.7	-1.0
IN EVANSVILLE	58	0	5.6	1.4
FORT WAYNE	48	-2	5.0	1.6
INDIANAPOLIS	52	-1	2.8	-0.9
SOUTH BEND	47	-2	4.6	0.7
IA DES MOINES	47	-3	6.0	2.5
DUBUQUE	44	-4	5.1	1.4
SIOUX CITY	46	-4	4.7	2.4
WATERLOO	45	-3	4.4	1.1
KS CONCORDIA	49	-4	2.2	-0.1
DODGE CITY	50	-4	3.0	0.9
GOODLAND	45	-5	2.3	1.0
TOPEKA	52	-3	3.3	0.2
WICHITA	52	-5	3.4	0.6
KY BOWLING GREEN	59	2	2.7	-1.6
JACKSON	58	1	4.9	1.0
LEXINGTON	56	1	3.9	0.0
LOUISVILLE	58	1	2.6	-1.6
PADUCAH	60	2	4.3	-0.7

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
LA BATON ROUGE	68	-1	9.5	4.1
LAKE CHARLES	69	1	4.0	0.7
NEW ORLEANS	69	0	3.8	-0.7
SHREVEPORT	65	-1	7.8	3.8
ME CARIBOU	35	-3	2.0	-0.4
PORTLAND	41	-2	2.2	-1.9
MD BALTIMORE	55	2	1.9	-1.2
SALISBURY	55	2	2.9	-0.3
MA BOSTON	46	-2	1.4	-2.2
CHATHAM	--	--	--	--
MI ALPENA	38	-3	3.2	0.9
DETROIT	46	-2	3.4	0.5
FLINT	43	-4	2.8	-0.2
GRAND RAPIDS	43	-4	3.8	0.5
HOUGHTON LAKE	40	-2	3.0	0.7
LANSING	42	-3	2.8	-0.1
MARQUETTE	32	-5	2.3	-0.3
MUSKEGON	43	-2	3.5	0.6
SAULT ST. MARIE	35	-4	4.2	1.8
MN ALEXANDRIA	37	-5	1.7	-0.5
DULUTH	35	-4	2.2	-0.1
INT'L FALLS	34	-5	1.2	-0.4
MINNEAPOLIS	42	-4	1.9	-0.5
ROCHESTER	40	-5	2.9	0.2
ST. CLOUD	39	-5	2.2	-0.1
MS GREENWOOD	66	2	7.6	2.5
JACKSON	65	1	8.6	3.1
MERIDIAN	66	2	7.7	2.2
TUPELO	62	0	7.1	1.9
MO CAPE GIRARDEAU	59	1	3.1	-1.4
COLUMBIA	53	-1	7.2	3.5
KANSAS CITY	52	-2	2.1	-1.0
SAINT LOUIS	57	0	3.3	-0.2
SPRINGFIELD	56	0	8.7	4.7
MT BILLINGS	43	-3	1.8	0.1
GLASGOW	39	-6	1.4	0.8
GREAT FALLS	40	-3	2.1	0.7
HAVRE	40	-3	1.1	0.2
HELENA	42	-1	1.2	0.2
KALISPELL	42	-1	1.3	0.2
MILES CITY	41	-5	1.1	-0.2
MISSOULA	45	1	0.8	-0.2
NE GRAND ISLAND	46	-5	3.0	0.5
LINCOLN	48	-4	4.4	1.6
NORFOLK	46	-4	3.7	1.4
NORTH PLATTE	44	-4	3.1	1.1
OMAHA	48	-4	4.3	1.6
SCOTTSBLUFF	43	-3	2.4	0.8
VALENTINE	40	-9	3.7	1.6
NV ELKO	43	-1	1.2	0.4
ELY	41	-1	1.5	0.5
LAS VEGAS	65	1	T	-0.2
RENO	47	-1	0.4	0.0
WINNEMUCCA	44	-2	1.1	0.3
NH CONCORD	42	-3	1.6	-1.3
NJ ATLANTIC CITY	50	-1	2.2	-1.4
NM ALBUQUERQUE	54	-1	0.7	0.2
CLOVIS	56	-1	0.2	-0.6
ROSWELL	61	0	0.3	-0.2
NY ALBANY	44	-3	1.9	-1.0
BINGHAMTON	41	-3	2.9	-0.3
BUFFALO	42	-3	1.4	-1.5
NEW YORK	52	0	2.0	-1.8
ROCHESTER	42	-4	1.2	-1.4
SYRACUSE	42	-3	1.9	-1.4
NC ASHEVILLE	56	1	1.0	-2.9
CHARLOTTE	62	3	1.4	-1.3
GREENSBORO	60	2	0.4	-2.4
HATTERAS	64	4	0.4	-3.1
NEW BERN	65	3	0.8	-2.4
RALEIGH	61	2	1.3	-1.3
WILMINGTON	65	4	0.2	-2.9
ND BISMARCK	39	-4	1.0	-0.7
FARGO	39	-4	0.7	-1.1
GRAND FORKS	37	-4	0.3	-1.1
WILLISTON	39	-5	0.9	-0.4
OH AKRON-CANTON	47	-2	3.2	0.1
CINCINNATI	53	0	4.3	0.5
CLEVELAND	47	-1	4.3	1.2
COLUMBUS	51	2	3.2	-0.3
DAYTON	50	-1	5.3	1.8
MANSFIELD	47	-2	3.8	0.1
TOLEDO	47	-1	4.5	1.6

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
YOUNGSTOWN	46	-2	2.8	-0.3
OK OKLAHOMA CITY	57	-4	3.8	1.0
TULSA	58	-3	5.9	2.2
OR ASTORIA	48	1	5.8	1.2
BURNS	42	-1	1.4	0.8
MEDFORD	51	0	2.5	1.3
PENDLETON	49	-1	2.3	1.2
PORTLAND	51	0	3.5	1.1
SALEM	50	1	4.4	2.0
PA ALLENTOWN	49	-1	2.5	-1.1
ERIE	43	-3	3.1	-0.2
HARRISBURG	51	0	2.1	-1.2
PHILADELPHIA	55	3	2.0	-1.9
PITTSBURGH	49	-1	1.7	-1.4
SCRANTON	46	-2	2.2	-0.8
WILLIAMSPORT	47	-2	2.4	-0.8
RI PROVIDENCE	48	1	3.3	-0.8
SC CHARLESTON	68	3	1.8	-0.9
COLUMBIA	66	3	1.0	-2.3
FLORENCE	67	4	0.9	-1.9
GREENVILLE	62	2	1.6	-2.3
SD ABERDEEN	39	-5	1.8	0.0
HURON	40	-6	5.3	3.2
RAPID CITY	40	-5	2.6	0.7
SIOUX FALLS	42	-5	5.8	3.3
TN BRISTOL	57	2	1.2	-2.1
CHATTANOOGA	62	3	2.2	-2.1
KNOXVILLE	61	3	1.7	-2.0
MEMPHIS	63	0	1.2	-4.3
NASHVILLE	61	2	4.0	-0.4
TX ABILENE	64	-2	1.1	-0.8
AMARILLO	54	-3	0.8	-0.2
AUSTIN	68	-2	3.1	0.5
BEAUMONT	68	-1	3.5	0.0
BROWNSVILLE	74	-1	0.1	-1.4
CORPUS CHRISTI	72	-1	0.4	-1.4
DEL RIO	72	1	0.8	-1.6
EL PASO	65	2	T	-0.2
FORT WORTH	64	0	6.8	3.1
GALVESTON	70	1	1.9	-0.6
HOUSTON	69	0	2.6	-0.9
LAREDO	--	--	--	--
LUBBOCK	61	-1	0.8	-0.2
MIDLAND	64	-1	0.4	-0.3
SAN ANGELO	66	-1	2.7	1.0
SAN ANTONIO	70	0	1.0	-1.5
VICTORIA	69	-1	1.5	-1.2
WACO	65	-2	7.2	4.0
WICHITA FALLS	62	-1	2.1	-0.9
UT BLANDING	--	--	2.8	2.1
CEDAR CITY	46	-2	1.3	0.2
SALT LAKE CITY	49	-1	2.1	0.0
VT BURLINGTON	40	-4	2.4	-0.4
VA LYNCHBURG	57	1	1.3	-1.8
NORFOLK	60	3	2.8	-0.3
RICHMOND	58	1	2.0	-1.0
ROANOKE	57	1	0.8	-2.5
WA COLVILLE	--	--	--	--
QUILLAYUTE	47	1	5.9	-1.6
SEATTLE-TACOMA	52	3	2.1	-0.2
SPOKANE	46	0	0.9	-0.2
WALLA WALLA	52	0	--	--
YAKIMA	48	-2	1.8	1.3
WV BECKLEY	53	2	1.9	-1.5
CHARLESTON	55	0	2.6	-0.7
ELKINS	49	0	3.1	-0.7
HUNTINGTON	56	3	2.3	-1.4
PARKERSBURG	52	-1	--	--
WI GREEN BAY	40	-4	2.2	-0.2
LACROSSE	44	-4	4.0	1.1
MADISON	44	-2	4.1	1.0
MILWAUKEE	44	0	3.8	0.3
WAUSAU	39	-5	2.1	-0.7
WY CASPER	40	-2	1.7	0.1
CHEYENNE	40	-3	1.5	0.1
LANDER	42	-2	3.3	1.2
SHERIDAN	42	-2	2.1	0.4
PR SAN JUAN	81	1	3.0	-0.8

Based on 1961-90 normals.

April Weather in Historical Perspective

The Nation's average temperature of 50.2°F was 1.5°F below normal, resulting in the 19th coldest April in the past 101 years (fig. 1). The last time an individual month ranked in the coldest third of its historical distribution was February 1994.

Paced by dryness in the Northeast (12th driest April) and the Southeast (16th driest), the Nation experienced its 42nd driest April on record (fig. 2). The dryness was partly offset, however, by normal to above-normal precipitation in the other seven regions (table 1), including the East North Central (29th wettest April).

A state-by-state breakdown of preliminary precipitation and temperature rankings appears in figure 3.

Table 1. Temperature/Precipitation Rankings for April 1995
Based on the Period 1895-1995
1 = Driest/Coldest, 101 = Wettest/Hottest

Region	Precipitation	Temperature
Northeast	12	25
East North Central	73	10
Central	51	58
Southeast	16	75
West North Central	70	15
South	52	41
Southwest	55	17
Northwest	63	39
West	67	42
National	42	19

Figure 1

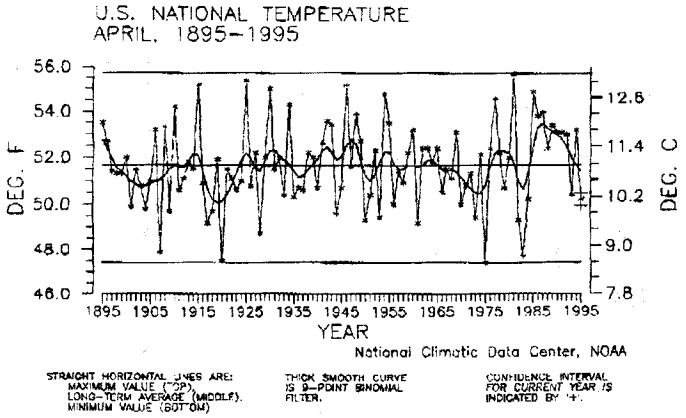


Figure 2

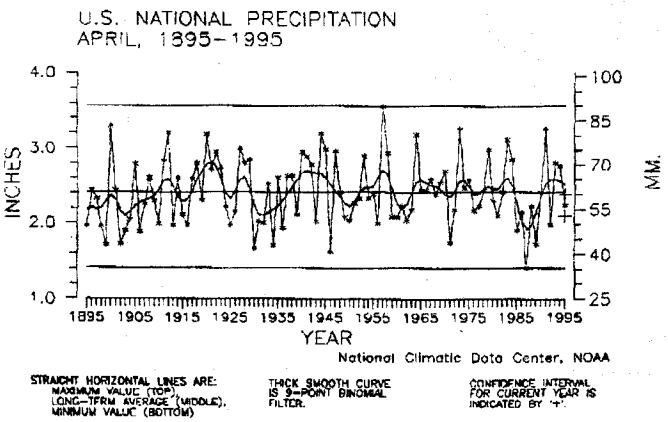
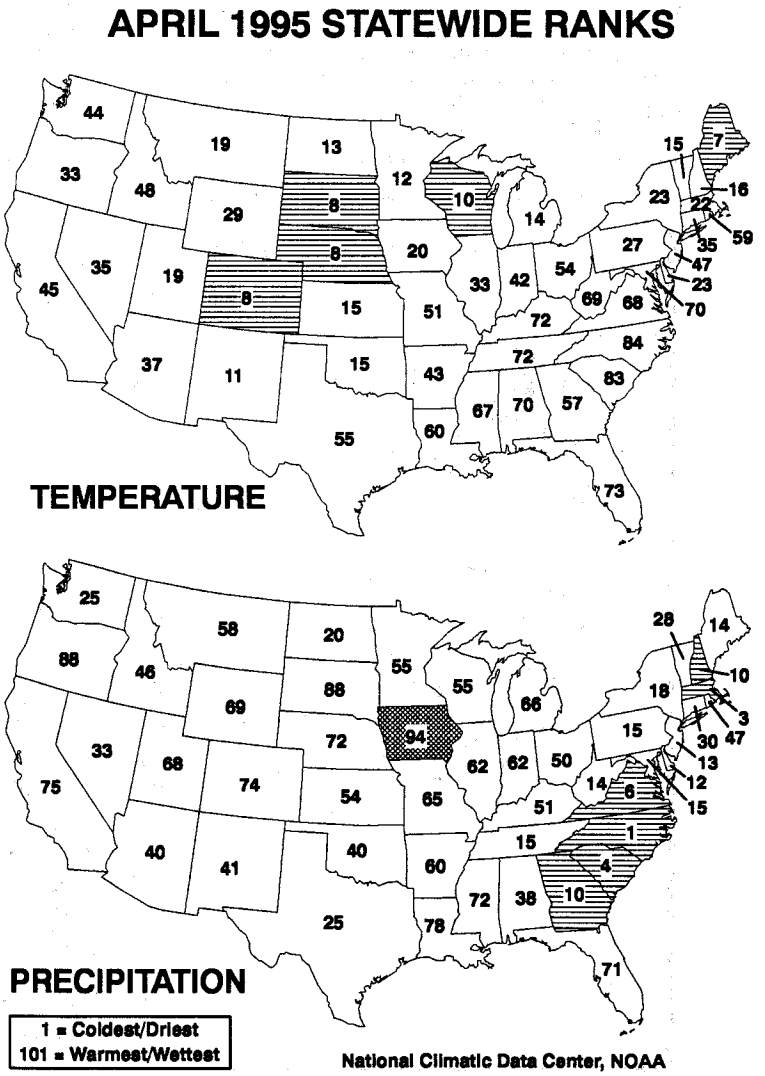
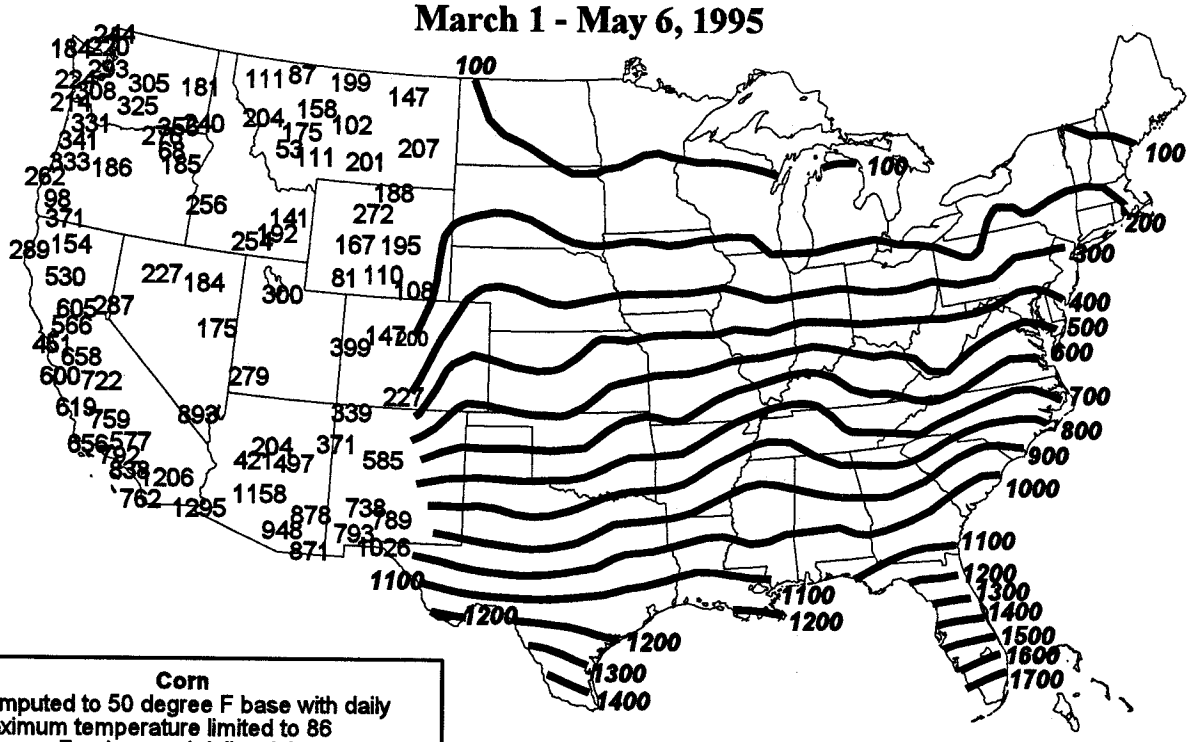


Figure 3



Temperature and Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1995. States having a rank of top ten coldest or driest (rank 1-10) or top ten warmest or wettest (rank 92-101) are shaded.

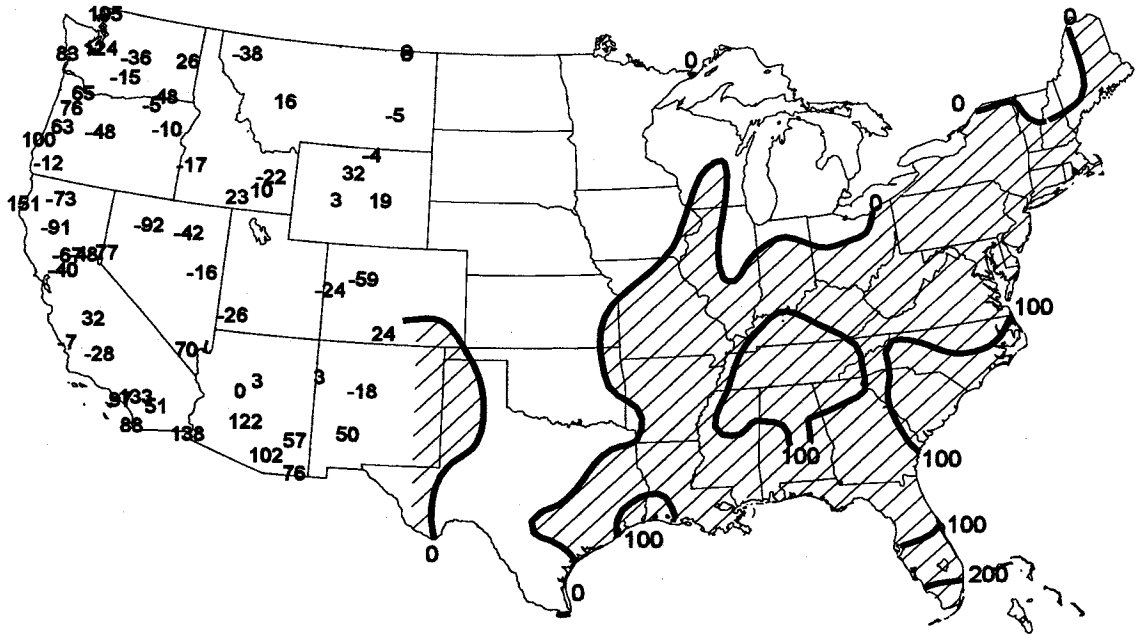
Total Growing Degree Days
March 1 - May 6, 1995



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

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Growing Degree Days Departure from Normal
March 1 - May 6, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

National Agricultural Summary

May 1 - 7, 1995

HIGHLIGHTS: Cool, wet weather across the central part of the Nation continued to hamper fieldwork, delay planting, and slow the development of emerged crops. In the upper Midwest and the Northeast, conditions were cool and dry, which allowed producers in those areas to begin or continue fieldwork where field conditions allowed. Across the Gulf Coast, conditions were sunny and warm, allowing fields to dry and fieldwork to continue. In the Southeast, conditions remained dry, causing germination problems in some fields.

The Nation's **winter wheat** crop remained in mostly fair to good condition. About 35 percent(%) of the crop is headed, 3% ahead of last year and the 5-year average. Crop progress is ahead of normal in Indiana, Illinois, Texas, and Missouri. In Kansas, crop development had been ahead of the average, but the continued cool, damp conditions have slowed the development to behind last year and the average. Cool conditions also slowed crop development in Colorado. In the Southeast and parts of Texas, rain is needed to promote head filling.

Spring wheat seeding was 23% complete, up 9 percentage points from last week but 44 points below the average. Saturated fields and low soil temperatures continued to block farmers from planting in the Dakotas. South Dakota's planting progress is 72 points behind the average.

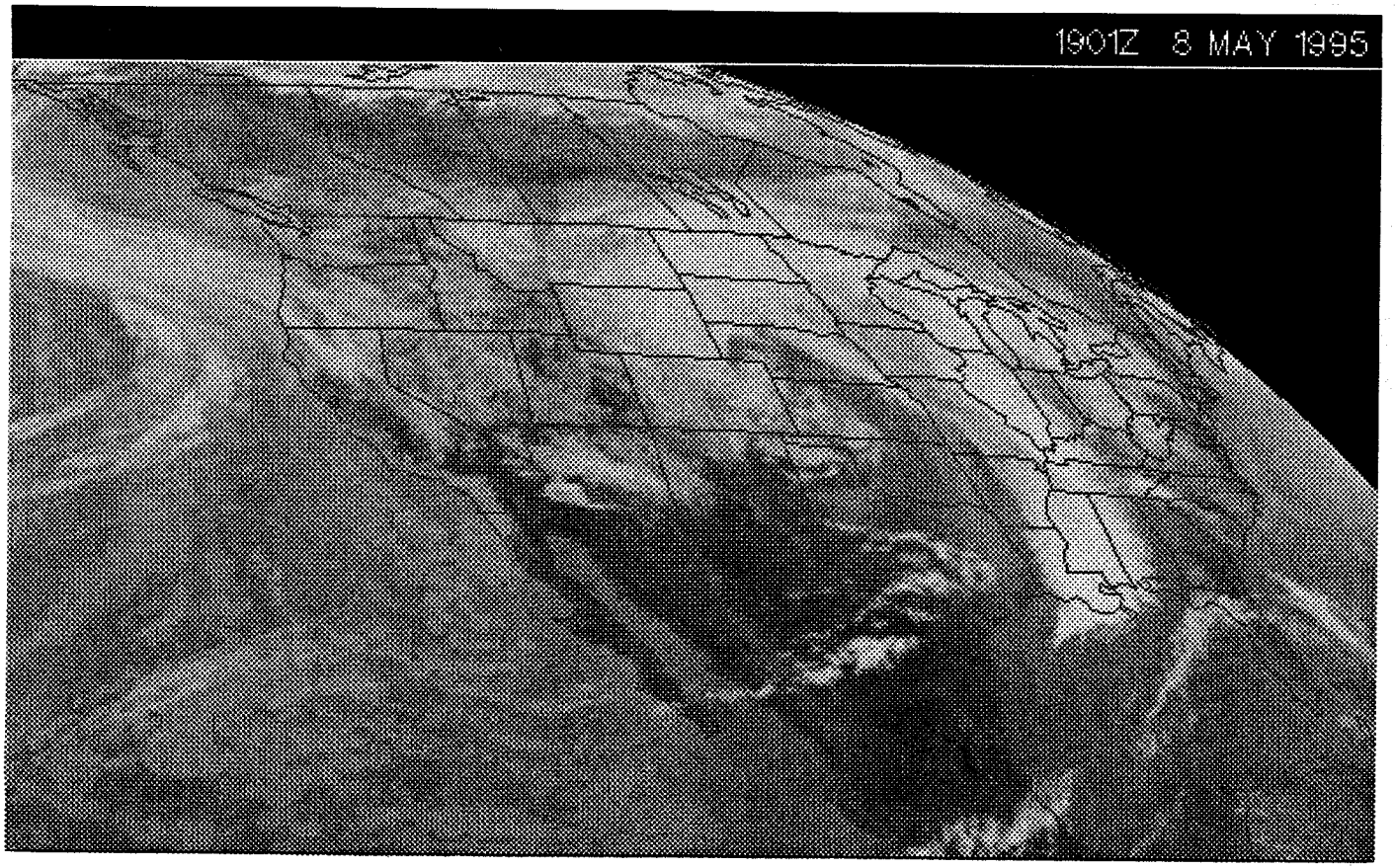
Corn planted was 20% complete for the 17 major producing States, 35 points behind last year and 23 points below the average. Rainfall and low temperatures continued to hinder planting across the Corn Belt. Progress in Nebraska was 49 points behind last year and down 43 points from the average. In Missouri, wet fields, cool temperatures, and rain brought planting progress to a virtual stop. Drier conditions allowed planting progress in Minnesota to advance 31 points. In Texas, planting continued in the plains despite cool soil conditions.

Cotton planting was 39% complete, 11 points behind last year but just 2 points behind the average. Cool, wet conditions in California limited planting progress and slowed crop growth. Lack of soil moisture caused germination problems for the crop in Georgia. In Texas, most producers in the plains waited for higher soil temperatures and rainfall before planting. Crop growth in the Texas Blacklands was behind normal.

Sorghum planting was 24% complete for the 12 major producing States, up 4 points from last week but 2 points below the average. Field preparations continued in Kansas where conditions allowed. Planting started in the Texas plains and many fields in the Coastal Bend showed good development. However, many other fields in Texas needed moisture.

Rice seeding was 66% complete, 14 points ahead of the average for the five major producing States. Rice emergence at 51% was 7 points ahead of last year and 21 points ahead of the average. Producers were planting and replanting some fields in Arkansas. In California, planting gained momentum. Planting proceeded in Texas with no problems reported.

Range and Pasture: Pasture feed condition in the Nation was rated 60% good to excellent. Pasture feed conditions were good in most areas except in the Upper Midwest and Northeast, where cool weather limited grass growth, and in the middle Atlantic and Southeastern States where dryness limited grass growth.



Crop Progress and Condition

Week Ending May 7, 1995

Spring Wheat Percent Planted
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
ID	82	81	94	85
MN	15	3	51	70
MT	63	44	70	74
ND	8	2	36	57
SD	17	6	81	89
ALL	23	14	52	67

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

Rice Percent Planted
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
AR	70	63	79	46
CA	10	1	28	20
LA	87	67	81	76
MS	85	80	99	52
TX	75	70	88	80
ALL	66	57	75	52

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

Rice Percent Emerged
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
AR	51	33	43	25
CA	0	0	2	1
LA	78	55	60	54
MS	65	50	71	31
TX	62	45	51	45
ALL	51	35	44	30

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

Sorghum Percent Planted
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
AR	49	42	67	44
CO	1	0	7	5
IL	0	0	1	3
KS	1	0	3	4
LA	48	26	51	54
MS	67	47	72	52
MO	9	8	9	10
NE	0	0	0	1
NM	1	0	2	10
OK	8	6	14	9
SD	0	0	1	1
TX	68	59	71	66
ALL	24	20	26	24

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

Cotton Percent Planted
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
AL	60	51	56	62
AZ	94	80	91	85
AR	18	8	50	30
CA	60	50	94	93
GA	61	38	58	44
LA	70	21	83	62
MS	45	27	83	47
MO	6	5	17	18
NM	58	39	69	74
NC	44	22	48	42
OK	5	4	9	7
SC	44	24	63	50
TN	20	15	28	23
TX	29	19	30	26
ALL	39	25	50	41

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

Corn Percent Planted
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
CO	13	8	49	51
GA	98	96	99	97
IL	16	8	57	47
IN	17	5	44	37
IA	10	2	82	47
KS	29	17	67	65
KY	69	60	44	46
MI	12	1	19	17
MN	33	2	44	34
MO	26	26	53	43
NE	5	3	54	48
NC	94	86	90	86
OH	21	7	60	42
PA	30	10	24	20
SD	1	0	17	19
TX	90	75	85	89
WI	12	0	35	20
ALL	20	10	55	43

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

Winter Wheat Percent Headed
Selected States

	May 07 1995	Prev Week	Prev Year	5-Yr Avg
AR	97	91	86	82
CA	97	95	97	95
CO	0	0	0	2
GA	97	96	100	99
ID	0	0	0	0
IL	17	2	2	7
IN	14	2	3	3
KS	21	6	22	25
MI	0	0	0	0
MO	34	19	11	20
MT	0	0	0	0
NE	0	0	0	0
NC	92	68	85	79
OH	0	0	0	0
OK	83	63	82	73
OR	0	0	7	3
SD	0	0	0	0
TX	67	46	57	62
WA	0	0	2	1
ALL	35	23	32	32

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

Crop Progress and Condition

Week Ending May 7, 1995

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

Winter Wheat Crop Condition by Percent Selected States

State	VP	P	F	G	EX
AR	0	3	29	54	14
CA	0	0	30	45	25
CO	4	6	16	58	16
GA	1	14	58	27	0
ID	0	1	15	64	20
IL	0	1	8	66	25
IN	0	1	13	68	18
KS	6	12	28	41	13
MI	1	4	23	40	32
MO	1	7	32	54	6
MT	4	11	41	40	4
NE	0	1	18	72	9
NC	4	10	43	42	1
OH	0	2	16	55	27
OK	8	10	25	50	7
OR	3	11	26	44	16
SD	0	10	17	59	14
TX	13	29	34	19	5
WA	0	14	22	61	3
ALL	5	11	26	47	11
Prev Wk	5	9	27	48	11
Prev Yr	2	8	40	44	6

Pasture and Range: Crop Condition by Percent Selected States

State	VP	P	F	G	EX
AL	0	4	35	51	10
AZ	1	6	25	26	42
AR	0	2	29	58	11
CA	0	0	0	45	55
CO	1	7	26	61	5
CT	0	10	40	48	2
DE	0	0	13	87	0
FL	0	5	20	75	0
GA	5	18	35	41	1
ID	0	3	19	60	18
IL	0	1	11	69	19
IN	0	3	23	60	14
IA	1	9	30	49	11
KS	1	5	29	61	4
KY	1	7	29	55	8
LA	0	2	19	62	17
ME	1	33	23	42	1
MD	0	7	32	55	6
MA	0	0	21	76	3
MI	1	18	32	33	16
MN	5	14	37	40	4
MS	2	7	25	50	16
MO	1	9	34	49	7
MT	1	21	35	41	2
NE	0	0	36	52	12
NV	0	0	18	41	41

State	VP	P	F	G	EX
NH	0	0	52	48	0
NJ	0	0	80	20	0
NM	10	38	36	16	0
NY	0	22	44	34	0
NC	4	11	59	25	1
ND	3	4	33	57	3
OH	0	4	25	55	16
OK	0	3	25	63	9
OR	0	3	23	62	12
PA	4	6	35	51	4
RI	0	0	0	87	13
SC	3	31	56	10	0
SD	0	18	41	36	5
TN	0	4	36	54	6
TX	2	10	33	39	16
UT	0	5	18	56	21
VT	0	38	35	25	2
VA	8	24	37	28	3
WA	0	7	51	36	6
WV	6	6	47	39	2
WI	2	19	31	41	7
WY	0	5	40	49	6
ALL	1	9	30	48	12
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall 0.13 to 1.13 in. north; 0.01 to 2.31 in. central; none to 0.12 in. south. Temperatures 1° below normal to 7° below normal statewide. Lows 34 to 44° north; 37 to 48° central; 39 to 53° south. Highs 80 to 86° north, 80 to 91° central; 86 to 91° south.

Days suitable for fieldwork 4.9. Topsoil 35% short, 45% adequate, 20% surplus. Percent acreage prepared 91%, 86% 1994, 85% avg. Corn planted 94%, 86% 1994, 88% avg. Sorghum planted 11%, 27% 1994, 31% avg. Peanuts planted 47%, 40% 1994, 51% avg. Hay harvested 10%, 13% 1994, 13% avg. Wheat headed 88%, 76% 1994, 82% avg.; 6% very poor, 10% poor, 36% fair, 46% good, 2% excellent. First cutting hay 10%, 13% 1994, 13% avg. Pasture feed 4% poor, 35% fair, 51% good, 10% excellent. Livestock 2% poor, 15% fair, 74% good, 9% excellent. Activities: Spring plowing, planting, general care of livestock, poultry, catfish.

ALASKA: Record highs were set in the Matanuska, Tanana Valleys. Kenai Peninsula temperatures were slightly above normal.

Days suitable for fieldwork 6. Topsoil, subsoil moisture supplies were mostly adequate throughout the State. Fieldwork progress ranged from on schedule to 7 days ahead of normal. Barley seeding in the Delta area began on 3rd. Commercial potato growers are expected to begin planting 10th. Local hay supplies were rated 40% short, 55% adequate, 5% surplus. Livestock were reportedly in mostly good to excellent shape after winter.

ARIZONA: Temperatures 2° below to 4° above normal. Extremes 22°; 90° higher elevations; 39°; 99° deserts. Precipitation at Flagstaff, Kingman, Prescott; 0.03 to 0.25 in.

Windy conditions slow alfalfa harvest; some cotton being replanted. Cotton 9% poor, 39% fair, 48% good, 4% excellent. Small grains 1% very poor, 1% poor, 4% fair, 77% good, 17% excellent; 100% heading, 99% 1994, 98% avg. Alfalfa 8% fair, 55% good, 37% excellent. Harvest 30% light, 12% moderate, 58% active. Corn 22% fair, 56% good, 22% excellent. Potatoes, dry onions shipped by western growers. Watermelon harvest will begin this week in western areas. Head lettuce harvest in central areas for the spring season completed. Other vegetables shipped central areas included potatoes, carrots, dry onions, cabbage, green onions, mixed greens, parsley, turnips, cilantro, romaine. Head lettuce, tomatoes were available eastern areas. Grapefruit, Valencia oranges continued to be shipped from western, central packers. Grape harvest will begin this week western areas.

ARKANSAS: Temperatures below normal with scattered showers, thunderstorms, heaviest in the northwestern region. Extreme 37°; 85°. Precipitation 0.62 to 3.57 in.

Days suitable for fieldwork 3. Soil moisture 46% adequate, 54% surplus. Producers were planting, replanting some rice, corn, cotton, grain sorghum. Some rice was aerial seeded in Woodruff, Lafayette counties. Fungicide was applied to grapes in Van Buren county. Strawberry harvest underway. Fungicides, pesticides were applied to tomatoes. Producers continue vaccinating calves. Some cattle were killed by lightning in Sharp county. Livestock in good condition.

CALIFORNIA: Zonal flow aloft first half week kept weather unsettled. Strong storm system 2nd; was followed by another on 4th, 5th. Other than southern areas, most regions received precipitation. Temperatures generally below normal, except far south.

Progress field activities again hampered by rain, wet soils. Small grains mature, ready harvest, except higher elevations. Rice field preparation was winding down, while planting slowly gained momentum. Treatments for water weevils were ongoing. Over-wintered sugarbeets harvested, conditions permitting; new crop fields, hand weeded. Garbanzo beans, fungicides sprayed. Corn, safflower, sunflowers planted between rains. Cotton planting made limited progress, San Joaquin Valley; neared completion, desert counties. Emergence, growth slowed by cool, wet weather. Some cotton fields replanted due to poor germination. Alfalfa, small grains, winter forages cut for hay, greenchopped. Alfalfa treated weeds, weevils, cutworm. Grape growers irrigated, cultivated, removed suckers from vines; treated weeds, mildew, nematodes. Peach, nectarine, plum growers thinned fruit, treated weeds. Cherry harvest underway. Splitting damage caused by recent rains. Strawberries harvested. Pomegranates, varying stages bloom. Navel orange harvest nearly over; Valencia picking active. Cooler temperatures extended new crop citrus bloom. Olive trees in bloom. Walnuts treated blight, codling moth. Weed control, mowing almond orchards. Asparagus harvested, Stockton delta, Salinas Valley. Monterey County artichokes harvested. Monterey County, San Luis Obispo County, San Joaquin Valley broccoli, cauliflower harvested. Cabbage harvested, Riverside County. Carrots harvested Kern County, Imperial Valley. Celery harvested, Ventura County. Spring head, leaf lettuce fields harvested Monterey County, San Joaquin Valley. Melons planted, Sacramento, San Joaquin, Coachella Valleys. Cool weather affected development, melons San Joaquin Valley. Imperial Valley melons were picked. Onions harvested, Imperial, Riverside counties. Bell peppers planted, Fresno, Stanislaus counties. Harvest, spring potatoes continued, Kern County, while summer potatoes planted Riverside County. Sweet corn developed, Tulare County, harvested Riverside County. Sweet potatoes weeded, Merced County. Tulare County spinach harvest completed. Fresh market tomato transplanting continued, San Joaquin Valley. Growers planted processing tomatoes, Sacramento, San Joaquin valleys. Other crops harvested: oriental vegetables, fava beans, green onions, radishes, sugar and snap peas, squash, turnips, zucchini. Rangeland grasses reaching maturity, seeding, turning brown at lower elevations. Feed abundant, good quality. Late rains extended growing season. Pastures remained quite green, at higher elevations. Bottomland pastures not doing well, excess water. Spring calving remained active. Supplemental feeding, light. Livestock, excellent shape.

COLORADO: Cool, damp through most of the week. Some severe weather with heavy rains, small hail in portions of the northeast on the 7th. Temperatures 10 to 15° below normal.

Days suitable for fieldwork 2.5. Topsoil 3% short, 73% adequate, 24% surplus. Subsoil 2% very short, 30% short, 60% adequate, 8% surplus. Spring barley 87% seeded, 92% 1994, 89% avg.; 55% emerged, 65% 1994, 62% avg.; 4% very poor, 8% poor, 48% fair, 32% good, 8% excellent. Oats 72% seeded, 82% 1994, 79% avg.; 43% emerged, 68% 1994, 58% avg. Dry onions 96% planted, 98% 1994, 91% avg.; 1% very poor, 2% poor, 12% fair, 64% good, 21% excellent. Sugarbeets 95% planted, 100% 1994, 98% avg.; 1% very poor, 2% poor, 13% fair, 61% good, 23% excellent. Summer potatoes 81% planted, 95% 1994, 81% avg.; 7% emerged, 0% 1994, 23% avg. Fall potatoes 27% planted, 33% 1994, 34% avg. Spring wheat 73% seeded, 77% 1994, 64% avg.; 34% emerged, 40% 1994, 33% avg. Winter wheat 80% jointed, 75% 1994, 69% avg. Cool temperatures have slowed development. Moderate to severe freeze damage only limited to extreme southeast corner of the State. Sorghum 1% planted, 8% 1994, 7% avg. Livestock mostly in good to excellent condition.

FLORIDA: Temperatures near to 2° above normal Panhandle, north, 1 to 3° above normal northeast, 3 to 6° above normal Peninsula. Lows: mid 40s Panhandle, mid 60s central interior south, low 70s southeast. Highs: mid 90s interior, western Peninsula, low 90s elsewhere. Rainfall under 0.10 in. north, 1.00 to 3.00 in. central south. Rainfall quite scattered, with many locations reporting less than 0.50 in.

Soil moisture short to adequate throughout State with scattered areas very short. Peanut, cotton planting active. Growers planting soybeans. Planting summer forage. Small grains maturing. Scattered rains over southern Peninsula vegetable fields replenished soil moisture in some localities. Most northern vegetables need supplemental water to ensure proper development. Warm temperatures speeded maturation of most vegetables. Vegetable harvest near peak level to meet Memorial Day demand. Growers delayed some picking due to low prices. Volume leaders: Tomatoes, potatoes, sweet corn, watermelons, cucumbers, peppers, celery, squash, cabbage, snap beans. Rain in most citrus areas, varying amounts. New crop fruit progressing well. Irrigation continues most areas to maintain good tree condition. Valencia harvest remains very active, most late oranges going to processors. Movement of seedless grapefruit limited to the lower East Coast. Caretakers cutting cover crops, postbloom sprays all areas. Pasture feed poor 5%, fair 20%, good 75%, excellent 0%. Cattle 5% poor, 10% fair, 85% good.

GEORGIA: Temperatures 1 to 6° below normal. Spots extreme south Georgia 1 to 2° above normal. Warmest upper 70s to low 80s north, mid 80s to low 90s central, south. Coolest 30s mountains, 40s north, central, spots south, low 50s elsewhere south. Rain 2 days north, 1 day some locations central, south. Rain totals mostly 0.35 to 1.35 in. north, less than 0.20 in. elsewhere.

Days suitable for field work 5.8. Soil moisture 30% very short; 39% short; 29% adequate; 2% surplus. Soil moisture short to mostly very short over southern two-thirds of State. Lack of soil moisture causing germination problems for cotton, peanuts many southern areas. Wheat stressed much of south, concerns increasing over possible light test weights. Some wind damage to watermelons central. Tobacco TSWV on increase. Irrigation increasing due to dry conditions. Corn 3% poor, 46% fair, 51% good. Cotton 11% poor, 50% fair, 39% good. Hay 5% very poor, 15% poor, 47% fair, 33% good. Peanuts 5% poor, 40% fair, 55% good; 65% planted, 65% 1994, 54% avg. Sorghum 3% poor, 53% fair, 44% good; 32% planted, 56% 1994, 34% avg. Soybeans 13% planted, 7% 1994, 6% avg. Tobacco 6% poor, 44% fair, 50% good; 98% transplanted, 100% 1994, 100% avg. Other small grains 18% poor, 53% fair, 29% good. Onions 53% fair, 47% good; 53% harvested, 62% 1994, 53% avg. Watermelons 1% poor, 38% fair, 61% good; 97% planted, 96% 1994, 95% avg. Other vegetables 1% poor, 34% fair, 65% good. Apples 1% poor, 17% fair, 82% good. Peaches 8% poor, 33% fair, 59% good; 2% harvested, 10% 1994, 5% avg. Cattle 4% poor, 30% fair, 66% good. Hogs 2% poor, 30% fair, 68% good. Activities: Irrigating crops, land for planting, spraying insecticides, herbicides, baling hay. Routine care of livestock, poultry.

HAWAII: Partly sunny conditions with light scattered showers. Soil moisture levels adequate most areas. Temperatures low 60s to high 80s. Rainfall varied none to 3.80 in.

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

IDAHO: Temperatures 7° below normal to normal. Most area reported below normal temperatures which slowed crop emergence. Precipitation none to 1.28 in. north, 1.37 to 2.01 in. southwest, 0.86 to 1.70 in. south central, 0.84 to 2.08 in. southeast. Precipitation fell across the State nearly every day, inhibiting planting. Extremes 27°; 74°.

Days suitable for fieldwork 2. Topsoil 46% adequate, 54% surplus. Irrigation water supplies 2% fair, 74% good, 24% excellent. Range, pasture feed 3% poor, 19% fair, 60% good, 18% excellent. Cool weather has hampered grass growth. Hay, roughage supply 6% very short, 18% short, 76% adequate. Spring wheat planted 82%, 94% 1994, 85% avg.; emerged 60%, 74% 1994, 62% avg. Barley planted 67%, 91% 1994, 82% avg.; emerged 39%, 65% 1994, 58% avg. Oats planted 52%, 75% 1994, 67% avg.; emerged 21%, 52% 1994, 45% avg. Onions planted 99%, 100% 1994, 99% avg.; emerged 73%, 98% 1994, 76% avg. Sugarbeets planted 98%, 99% 1994, 98% avg.; emerged 38%, 82% 1994, 64% avg. Potatoes planted 36%, 60% 1994, 53% avg. Dry peas planted 51%, 72% 1994, 64% avg. Dry peas emerged 33%, 47% 1994, 40% avg. Calving completed 99%. Lambing completed 98%. Activities when conditions allowed: Moving livestock, branding, fencing, preparing for irrigation, irrigating, fertilizing, planting small grains, sugarbeets, onions.

ILLINOIS: Common cloud cover across the State held temperatures below normal. Storm systems kept the western part of the State with seasonably damp conditions, while the eastern half noted only light precipitation. High temperatures ranged from the upper 40s to the mid 60s. Lows from the low 40s to the upper 50s. These averages 2 to 4° below normal in the north to 5 to 8° short of normal in the south, west. Rainfall 0.25 in. east to more than 1.00 in. in the west.

Days suitable for fieldwork 1.6. Topsoil 43% adequate, 57% surplus. Planting corn, other field crops was delayed again last week due to steady rainfalls, cold weather. Some crop development delays have been noted across the State due to the below normal temperatures. Farmers are becoming increasingly uneasy as another week passed with little or no fieldwork completed. When weather permitted, farmers put in long hours planting corn, soybeans, seeding oats. Other activities for the week were applying fertilizer, pesticides, hauling grain, general maintenance, repair of equipment, feeding, routine care of livestock. Oats 83% planted, 97% 1994, 84% avg. Alfalfa 1% poor, 9% fair, 68% good, 22% excellent. Red clover 1% poor, 11% fair, 70% good, 18% excellent. Pasture feed 1% poor, 11% fair, 69% good, 19% excellent.

INDIANA: Two low pressure systems moved south of the State during the week, one about 2nd and the other 4th. Northern areas escaped with little or no rain early in the week. Some areas in the far south picked up 0.75 to 1.00 in. or more of rain. Temperatures remained on the cool side until the weekend when high pressure brought sunshine, warm weather. Week averaged 2 to 5° cooler than normal in most areas. Highs were generally in the mid 60s with average lows mostly in the 40s. Daily extremes ranged from lows in the 30s, 4th morning (around freezing in the northwest) to highs of 80° at Terre Haute, Evansville on 7th. Rainfall was below normal in all areas except the far south, the frequency, amounts were enough to keep many fields from drying for fieldwork. Precipitation 0.10 to 0.20 in. north, around 0.30 to 0.40 in. central, 1.00 to 1.50 in. south.

Days suitable for fieldwork 2.0. Topsoil 3% short, 52% adequate, 45% surplus. Subsoil moisture 1% very short, 9% short, 69% adequate, 21% surplus. Rain, wet soils limited fieldwork. Corn planting advanced, mostly in central areas. Wheat 92% jointed, 65% 1994, 69% avg. Oats 84% seeded, 92% 1994, 83% avg. Land 82% prepared, 80% 1994, 79% avg. Hay supplies 6% very short, 16% short, 77% adequate, 1% surplus.

IOWA: Cool, wet. Temperatures 1 to 5° below normal. Extremes 29° (west central, 2nd), 76° (southeast, 7th). Widespread light to moderate rain midweek; heavier rain late weekend. Rainfall ranged from 0.25 in. northeast to 3.23 in. southeast; the State averaged 1.29 in. (normal 0.84 in.).

Days suitable for fieldwork 1.4. Topsoil adequate 33%, surplus 67%. Subsoil moisture adequate 52%, surplus 48%. 1995 primary seedbed preparation completed (includes fall tillage) 61%, 93% 1994, 76% avg. 1995 row crop acreage fertilizer applied (includes fall applications) 66%, 100% 1994, 80% avg. Oats planted 73%, 100% 1994, 86% avg.; emerged 40%, 94% 1994, 74% avg. Corn planted 10%, 82% 1994, 47% avg. Soybeans planted 0%, 18% 1994, 5% avg. Winter wheat 1% poor, 13% fair, 71% good, 15% excellent. Range, pasture feed 1% very poor, 9% poor, 30% fair, 49% good, 11% excellent. Hay 6% poor, 32% fair, 54% good, 8% excellent. Cattle, calf losses improved slightly over the previous week with losses rated as 7% below average, 80% average, 13% above average. Calves continue to suffer from pneumonia, scours. Feedlots remain muddy hindering cattle performance. Hog, pig losses also improved slightly, were reported as 4% below average, 91% average, 5% above average. Pasture growth is minimal due to the cool temperatures, as a result, producers are being forced to feed more hay.

KANSAS: Temperature averages were below normal in all districts. Range was from 10° below normal in the southwest to 5° below normal in the northwest district. Precipitation 0.98 in. northwest to 1.69 in. south central district.

Days suitable for fieldwork 0.9. Topsoil 5% short, 61% adequate, 34% surplus. Subsurface moisture 2% very short, 22% short, 59% adequate, 17% percent surplus. Wheat progress had been well ahead of normal earlier but is now about even with normal progress after cool weather slowed its growth. Slow growth due to cool weather may be delaying the appearance of evidence of freeze damage. Warm, sunny weather needed to promote growth so more thorough assessment of damage from earlier frosts can be made. Wheat jointing 100%, 98% 1994, 93% avg. Foliar diseases such as rust, tan spot, powdery mildew are reported across the State but particularly the southeastern quadrant of State. Barley yellow dwarf is prevalent in the southeastern district. Wet weather has severely hampered farmers' efforts to complete fieldwork. When, where possible farmers were planting corn, preparing for sorghum, soybean planting.

KENTUCKY: Temperatures below normal. Highs 5 to 10° below normal, average low near to 5° below normal. Precipitation 1.00 in. above normal far west, 0.25 in. below normal south, south central. Soil temperatures 4 in. depth below grass lower to middle 60s.

Days suitable fieldwork 2.0. Topsoil 4% short, 65% adequate, 31% surplus. Subsoil 12% short, 74% adequate, 14% surplus. Cool temperatures, rain slowed fieldwork. Emerged corn condition 1% very poor, 14% poor, 48% fair, 33% good, 4% excellent. Tobacco plants near normal development, 16% 4 in. plus, 36% 2-4 in. Wheat 87% headed or heading, 48% 1994 50% avg. Pasture feed 1% very poor, 7% poor, 29% fair, 55% good, 8% excellent.

LOUISIANA: Temperatures 1° below to 2° above normal. Extremes 47°; 91°. Rainfall 0.01 in. south-central to 1.12 in. north-central.

Days suitable for fieldwork 5.3. Soil moisture 6% short, 72% adequate, 22% surplus. Corn 3% poor, 20% fair, 71% good, 6% excellent; 99% planted, 99% 1994, 98% avg.; 99% emerged, 98% 1994, 96% avg. Planting almost finished. Cotton 39% emerged, 63% 1994, 42% avg. Producers replanted after last week's severe weather. Hay 9% first cutting, 22% 1994, 14% avg.; cutting made excellent progress due to improved weather. Rice 4% poor, 38% fair, 56% good, 2% excellent. Rice was growing out of bronzing with warmer temperatures. Sorghum 38% emerged, 44% 1994, 43% avg. Soybeans 16% planted, 8% 1994, 6% avg.; 8% emerged, 7% 1994, 3% avg. Planting began in most areas. Spring plowing 93% plowed, 92% 1994, 86% avg. Sugarcane 5% poor, 19% fair, 66% good, 10% excellent. Applying fertilizer was almost complete. Sweet potatoes 3% planted, 3% 1994, 7% avg. Wheat 5% poor, 49% fair, 44% good, 2% excellent; 97% headed, 95% 1994, 95% avg.; 52% turning color, 51% 1994, 51% avg.; 0% harvested, 0% 1994, 1% avg. Pasture feed, farmers were busy planting, top-dressing pastures. Vegetables 5% poor, 33% fair, 51% good, 11% excellent. Harvesting was in full swing. Livestock 2% poor, 23% fair, 61% good, 14% excellent. Producers still weaning fall calves for auction.

MARYLAND & DELAWARE: Maryland: Precipitation 1.40 in., normal 0.78 in. Rain was mostly statewide with most areas receiving close to or well over 1.00 in. Temperature 55.5°,normal 58.9°. Extremes 36°; 74°. Low temperatures upper 30s to low 50s. Highs were mainly in the 60s to low 70s.

Days suitable for fieldwork 3.1. Topsoil 7% short, 88% adequate, 5% surplus. Subsoil 40% short, 60% adequate. Winter wheat 6% poor, 19% fair, 66% good, 9% excellent; 31% headed, 25% 1994, 28% avg. Rye 3% poor, 29% fair, 58% good, 10% excellent; 54% headed, 50% 1994, 60% avg. Barley 1% very poor, 4% poor, 29% fair, 61% good, 5% excellent; 94% headed, 83% 1994, 77% avg. Corn for grain 51% planted, 44% 1994, 44% avg. Potatoes 86% planted, 73% 1994, 89% avg. Green peas 91% planted, 92% 1994, 91% avg. Sweet corn 46% planted, 22% 1994, 33% avg. Snap beans 20% planted, 57% 1994, 44% avg. Tomatoes 41% planted, 56% 1994, 44% avg. Watermelons 29% planted, 33% 1994, 25% avg. Cantaloupe 40% planted, 35% 1994, 27% avg. Cucumbers 20% planted, 70% 1994, 40% avg. Peaches 93% bloomed, 99% 1994, 100% avg. Apples 76% bloomed, 84% 1994, 83% avg. Strawberries 83% bloomed, 66% 1994, 69% avg. Pasture 7% poor, 32% fair, 55% good, 6% excellent. Activities: Planting of spring crops.

Delaware: Precipitation 1.73 in., normal 0.70 in. Temperature 55.3°, normal 59.1°. Extremes 40°; 70°. High temperatures in the low 60s to about 70°. Lows the low to mid 40s.

Days suitable for fieldwork 4.3. Topsoil 18% short, 80% adequate, 2% surplus. Subsoil 64% short, 36% adequate. Winter wheat 10% fair, 88% good, 2% excellent; 23% headed, 3% 1994, 22% avg. Barley 10% fair, 89% good, 1% excellent; 99% headed, 78% 1994, 81% avg. Corn for grain 40% planted, 48% 1994, 53% avg. Potatoes 100% planted, 75% 1994, 92% avg. Cucumbers 6% planted, 1% 1994, 9% avg. Green peas 96% planted, 87% 1994, 88% avg. Snap Beans 7% planted, 11% 1994, 12% avg. Sweet corn 33% planted, 39% 1994, 45% avg. Peaches 92% bloomed, 98% 1994, 98% avg. Apples 85% bloomed, 68% 1994, 84% avg. Strawberries 68% bloomed, 68% 1994, 64% avg. Pasture feed 13% fair, 87% good. Activities: Planting of spring crops.

MICHIGAN: Extremes 27°; 70°. Precipitation none to 0.62 in. across the State. Temperatures for the week averaged several degrees below normal, by the weekend, things were warming up.

Days suitable for fieldwork 5.0. Scattered rain showers in some areas of the State slowed planting. Most areas had good conditions for planting. Warmer temperatures, sunshine in the latter part of the week gave farmers an opportunity to get out into the fields. Lighter soils were planted versus the heavier soils that are still cold and wet. Planting progress at a steady pace during the week. Topsoil 6% short, 63% adequate, 31% surplus. Subsoil 1% very short, 7% short, 64% adequate, 28% surplus. Barley planted 68%, 17% 1994, 49% avg. Oats planted 68%, 74% 1994, 57% avg. Potatoes planted 22%, 25% 1994, 25% avg. Soybeans planted 0%, 4% 1994, 4% avg. Sugarbeets planted 80%, 80% 1994, 55% avg.

MINNESOTA: Temperatures 1 to 2° below normal for the State. Extremes 28°; 73°. Precipitation 0.10 to 0.80 in. below normal for the State. Greatest weekly total was 1.07 in.

Days suitable for fieldwork 3.6. Topsoil 1% very short, 2% short, 59% adequate, 38% surplus. Spring wheat 15% planted, 51% 1994, 70% avg. Oats 49% seeded, 73% 1994, 73% avg. Barley 14% seeded,

42% 1994, 63% avg. Sugarbeets 28% planted, 43% 1994, 60% avg. Green peas 38% planted, 53% 1994, 48% avg. Corn 43% ground prepared, 56% 1994, 56% avg. Corn 33% planted, 44% 1994, 34% avg. Soybeans 11% ground prepared, 14% 1994, 21% avg. Soybeans 3% planted, 4% 1994, 9% avg. Pasture feed 5% very poor, 14% poor, 37% fair, 40% good, 4% excellent. Western agricultural statistical districts remain extremely wet, very little planting was done this past week.

MISSISSIPPI: Temperatures 3.0° below normal. Extremes 41°; 90°. Soil temperatures 70°. Precipitation 0.75 in., 0.49 in. below normal. Rainfall throughout the State 0.05 in. coastal districts to 1.51 in. north central.

Days suitable for fieldwork 3.7. Soil moisture for topsoil rated 2% short, 54% adequate, 44% surplus. Subsoil rated 2% short, 62% adequate, 36% surplus. Corn 93% planted, 95% 1994, 79% avg.; 83% emerged, 87% 1994, 69% avg.; 8% poor, 25% fair, 48% good, 19% excellent. Soybeans 24% planted, 35% 1994, 12% avg.; 18% emerged, 26% 1994, 7% avg.; 5% poor, 35% fair, 56% good, 4% excellent. Wheat 99% heading, 99% 1994, 91% avg.; 2% mature, 5% 1994, 9% avg.; 2% poor, 50% fair, 46% good, 2% excellent. Hay 18% harvested, 16% 1994, 6% avg.; 2% poor, 28% fair, 55% good, 15% excellent. Peanuts 65% planted, 88% 1994, 35% avg. Sweet potatoes 5% planted, 2% 1994, 19% avg.; 15% fair, 76% good, 9% excellent. Watermelons 75% planted, 89% 1994, 79% avg.; 18% fair, 68% good, 14% excellent. Cattle rated 4% poor, 18% fair, 65% good, 13% excellent. Main farming activities of the week included: planting of cotton, corn, soybeans, rice, sorghum. Replanting of some cotton has been reported. Farmers are harvesting hay between rains, hoping for warmer, drier weather conditions in order to resume planting.

MISSOURI: Temperatures 8° below normal, low 50s in most of the State to 57° at Caruthersville. Precipitation 2.19 in., varying 1.38 in. east central district, to 2.91 in. southwest.

Days suitable for fieldwork 0.2. Topsoil 1% short, 39% adequate, 60% surplus. Corn planting ranges from 4% northeast, to 95% southeast, unchanged from last week. Sorghum planting ranges from virtually none in northern half of State to 19% southeast. Wheat in northern two-thirds of State 60% good or better, southern counties generally lower condition. Wheat heading ranges from 5% or less in northern third to 92% southeast. Ground tilled for spring crops 78%, 79% 1994, 72% avg. Pasture feed fair to good in most areas, with moisture plentiful, but cool weather slowing growth.

MONTANA: Temperatures were cooler than normal for most of the week. Precipitation reported in all divisions with the heaviest amounts in the southwest, central, north central divisions.

Days suitable for fieldwork 4.3. Topsoil 4% very short, 18% short, 70% adequate, 8% surplus. Subsoil 4% very short, 26% short, 63% adequate, 7% surplus. Barley 60% planted, 67% 1994, 64% avg. Oats 48% planted, 57% 1994, 57% avg. Sugarbeets 64% planted, 96% 1994, 83% avg. Corn 46% planted, dry beans 10% planted, potatoes 9% planted. Pasture, range feed 1% very poor, 21% poor, 35% fair, 41% good, 2% excellent. Calving 94% complete. Lambing 74% complete. Cattle, calves moved to summer ranges, 24%. Sheep, lambs moved to summer ranges, 22%.

NEBRASKA: Temperatures 5 to 10° below normals. Precipitation amounts varying from 0.25 in. northwest up to nearly 3.00 in. east.

Days suitable for fieldwork 1.5. Topsoil 2% short, 29% adequate, 69% surplus. Subsoil 2% very short, 1% short, 61% adequate, 36% surplus. Wheat 1% poor, 18% fair, 72% good, 9% excellent; 69% jointed, 62% 1994, 61% avg. Corn 5% planted, 54% 1994, 48% avg. Oats 75% sown, 100% 1994, 96% avg. Range, pasture 36% fair, 52% good, 12% excellent.

NEVADA: Wet, cool weather was predominate through the week, with some clearing, warming on 3rd, 7th. Heavy rains in the Sierra Nevada caused significant snowmelt, flooding was minimal. Precipitation totals averaged 1.36 in. northeast, 0.93 in. northwest, 0.01 in. south. Principal northern crop production areas received significant rain; Fallon 2.00 in., Winnemucca 1.34 in. Temperatures normal in the extreme south to 3° below normal northeast.

Spring planting slowed by the cool wet weather. Small grain seeding active as weather allowed; emerged acreage mostly in good to excellent condition. Potato planting underway, onion planting complete. Garlic in excellent condition. Ranges thriving with profuse weed growth. Calving, lambing continued, though well along. Main farm, ranch activities: Calving,lambing, spring planting.

NEW ENGLAND: Precipitation none to 0.54 in. north, 0.04 to 1.15 in. south. Temperatures 46 to 50° north; 47 to 53° south. Maximum temperatures 62 to 75° north; 64 to 78° south. Minimum temperatures 20 to 37° north; 24 to 39° south.

Days suitable for fieldwork 6.2. Topsoil 10% very short, 32% short, 58% adequate. Subsoil moisture 4% very short, 25% short, 69% adequate, 2% surplus. Pasture feed 1% very poor, 25% poor, 32% fair, 40% good, 2% excellent. Maine potatoes <5% planted, <5% 1994, <5% avg. CT River Valley potatoes 45% planted, 35% 1994, 35% avg., <5% emerged, condition good. Rhode Island potatoes 45% planted, 30% 1994, 30% avg, 20% emerged. Field corn 10% planted, 10% 1994, 10% avg., <5%emerged, condition good. Sweet corn 15% planted, 15% 1994, 15% avg.; 5% emerged, condition good. Maine oats <5% planted, <5% 1994, 10% avg. Maine barley <5% planted. Apples in bud/early bloom stage, condition good. Peaches, pears in early bloom stage, fair/good. Strawberries, blueberries in bud stage. Cranberries still in dormant stage. Continued cool, dry weather throughout most of the region allowed plantings to continue to progress rapidly, have slowed crop development. Some farmers irrigated. Frosts in many areas had some producers concerned over frost protection. Major farm activities: tilling, seeding grassland, fixing fences, moving livestock onto pastures, planting early season crops.

NEW JERSEY: Temperatures much below normal. Extremes 29°; 73°. Rainfall 0.19 in. north, 0.25 in. central, 0.61 in. south. Heaviest 24 hour total was 0.52 in. on 2nd to 3rd. Estimated soil moisture, in percent of field capacity, averaged 93% north, 93% central, 87% south.

Days suitable for fieldwork 6. Topsoil moisture reported as short to adequate. Farmers are plowing, discing. Farmers are planting peas, carrots, potatoes, lettuce, tomatoes, spinach, snap beans, other vegetables. Light harvest of asparagus, herbs, kale, basil, green onions, parsley, radishes, leeks occurring in limited areas. Field corn planting reported in selected areas of South Jersey. Early varieties of blueberries, strawberries are in full bloom. Peaches are in petal fall stage.

NEW MEXICO: Temperatures for the week were generally below normal with several cold fronts moving across the area. Precipitation was spotty with most of it falling over northwest, northern, eastern plains. Largest amount recorded was 2.26 in. at Hobbs, no precipitation recorded over the southwest portion of the State.

Days suitable for fieldwork 6.0. Soil moisture 32% very short, 53% short, 15% adequate. Alfalfa 2% very poor, 9% poor, 27% fair, 62% good. Wheat 53% very poor, 11% poor, 33% fair, 3% good. Corn 1% very poor, 2% poor, 47% fair, 50% good; 82% planted. Cotton 6% very poor, 8% poor, 55% fair, 31% good; 58% planted, 69% 1994, 74% avg. Sorghum 25% very poor, 8% poor, 46% fair, 21% good. Chile 10% poor, 28% fair, 62% good. Onions 5% poor, 30% fair, 40% good, 25% excellent. Lettuce 53% good, 47% excellent; 60% harvested. Pecans 2% very poor, 9% poor, 28% fair, 61% good. Apples 2% very poor, 5% poor, 80% fair, 4% good, 9% excellent. Pasture feed 10% very poor, 38% poor, 36% fair, 16% good. Cattle 3% very poor, 11%

poor, 54% fair, 30% good, 2% excellent. Sheep 2% very poor, 11% poor, 46% fair, 40% good, 1% excellent.

NEW YORK: Cool, dry conditions persisted. Temperatures slightly below normal. Extremes 21°; 75°. Precipitation was below normal.

Days suitable for fieldwork 5.7. Soil moisture 12% very short, 59% short, 29% adequate. Fieldwork progressed rapidly. Rain needed for emergence of recently seeded crops, hay growth. Pasture feed 22% poor, 44% fair, 34% good. Oats, wheat in fair to good condition. Corn 12% planted, 7% 1994 6% avg. Oats 57% seeded, 64% 1994, 50% avg. Upstate potato planting continued. Long Island potatoes began to emerge. Onion planting neared completion. Sweet corn starting to emerge. Cabbage transplanting started. Orange County onion growers spraying fields. Strawberry growth continued slow due to coolness. Peaches, pears, cherries in full bloom in Hudson Valley. Apples show large crop potential. Peaches show a small crop in this region.

NORTH CAROLINA: Most areas of the State received rainfall during the past week. Rain has benefited the crops, eased the no-till planting process. Several counties in the border belt continue to be very dry, tobacco is beginning to show some signs of stress. Minor hail, wind damage has been reported in some areas of the State. Temperature 60°, 3° below normal. Extremes 37°; 79°. Precipitation 0.97 in., 0.09 in. above normal.

Days suitable for fieldwork 5.6. Soil moisture 11% very short, 41% short, 46% adequate, 2% surplus. Flue-cured tobacco 72% planted, 67% 1994, 64% avg. Peanuts 16% planted, 26% 1994, 29% avg. Sorghum 7% planted, 9% 1994, 9% avg. Soybeans 6% planted, 21% 1994, 11% avg. Sweet potatoes 4% transplanted, 8% 1994, 12% avg. Condition of crops remains fair to good. Oats 3% very poor, 19% poor, 45% fair, 32% good, 1% excellent; barley 2% very poor, 11% poor, 51% fair, 36% good; rye 1% very poor, 7% poor, 59% fair, 33% good; Irish potatoes 14% fair, 83% good, 3% excellent; peaches 1% poor, 28% fair, 60% good, 11% excellent; truck crops 2% very poor, 4% poor, 53% fair, 40% good, 1% excellent; corn 6% poor, 26% fair, 67% good, 1% excellent; cotton 1% very poor, 11% poor, 45% fair, 43% good; hay 15% poor, 54% fair, 27% good, 4% excellent; tobacco in fields 1% very poor, 8% poor, 34% fair, 55% good, 2% excellent; supplies of tobacco plants 11% very short, 23% short, 66% adequate; hay, roughage supplies 18% short, 80% adequate, 2% surplus. Activities: Planting corn, cotton, soybeans, sorghum, transplanting tobacco, sweet potatoes, harvesting strawberries, cutting hay, tending livestock, repairing equipment, general farm maintenance.

NORTH DAKOTA: Temperatures continued below normal, growing season precipitation below normal for most of State, however, some areas received heavy rain. Temperatures normal east central to 3° below normal north central, west central, central, southwest, south central. Extremes 20° southwest; 71° south central, northeast. Precipitation 0.12 in. east central to 0.78 in. south central.

Fieldwork started on May 2. Average starting date for fieldwork is April 15. Soil moisture was well above average. Topsoil 55% adequate, 45% surplus. Subsoil moisture 1% short, 62% adequate, 37% surplus. Hard red spring wheat 8% planted, 36% 1994, 57% avg.; durum 3% planted, 20% 1994, 33% avg.; oats 5% planted, 30% 1994, 53% avg.; barley 4% planted, 38% 1994, 57% avg.; sugarbeets 23% planted, 54% 1994, 69% avg. Calving 92% complete; lambing 94% complete; shearing 96% complete. Hay, forage supplies 2% very short, 10% short, 85% adequate, 3% surplus. Grain, concentrate supplies 3% short, 93% adequate, 4% surplus. Pastures, ranges still dormant: 44%; range condition: 3% very poor, 4% poor, 33% fair, 57% good, 3% excellent. Stockwater supplies 79% adequate, 21% surplus.

OHIO: Two low pressure systems moved through. On 2nd, the other late 4th. Northern areas escaped with little or no rain while some south areas picked up 0.75 to 1.00 in. Temperatures remained cool until the weekend when high pressure brought sunshine, warm weather. Temperatures 2 to 6° cooler than normal. Highs were generally 60 to 65° with lows mostly 40 to 45. Extremes 30s to mid to upper 70s on 7th. Rainfall was below normal all but far south, frequency, amounts were enough to keep fields from drying out. Rainfall 0.20 to 0.50 in. north, 0.50 to 1.00 in. south. Four-inch bare soil temperatures upper 50s to mid 60s with minimums upper 40s to low 50s.

Days suitable for fieldwork 3.0. Soil 65% adequate, 35% surplus. Spots of clear weather allowed farmers to work planting corn, beans and other spring crops in well drained soils. Despite cool wet weather, wheat development is ahead of normal. Black Cutworm Larvae was captured this week. Development is early compared to heat units. Alfalfa weevil populations are reaching damaging levels. Sugarbeets planted 60%, 100% 1994, 66% avg. Potatoes planted 33%, 85% 1994, 46% avg. Wheat jointed 58%, 42% 1994, 42% avg. Hay 4% poor, 24% fair, 55% good, 17% excellent. Apples 3% poor, 27% fair, 59% good, 11% excellent. Peaches 3% very poor, 5% poor, 28% fair, 55% good, 9% excellent.

OKLAHOMA: Temperatures 4.0° below normal Panhandle to 8.5° below normal north central district. Precipitation 0.89 in. Panhandle district to 4.57 in. south central district.

Days suitable for fieldwork 2.3. Topsoil 6% short, 66% adequate, 28% surplus. Subsoil 2% very short, 12% short, 67% adequate, 19% surplus. Wheat 8% very poor, 10% poor, 25% fair, 50% good, 7% excellent; 83% heading, 82% 1994, 73% avg.; 13% soft dough, 3% 1994, 12% avg.; oats 83% jointing, 85% 1994, 76% avg.; 32% heading, 39% 1994, 49% avg.; 8% soft dough, 0% 1994, 9% avg.; barley 74% jointing, 88% 1994, 64% avg.; 38% heading, 27% 1994, 39% avg.; 3% soft dough, 0% 1994, 6% avg.; corn 73% planted, 90% 1994, 87% avg.; 55% up-to-stand, 75% 1994, 56% avg.; sorghum 65% seedbed prepared, 64% 1994, 59% avg.; 8% planted, 14% 1994, 9% avg.; 3% up-to-stand, 8% 1994, 2% avg.; soybeans 62% seedbed prepared, 83% 1994, 66% avg.; 19% planted, 25% 1994, 12% avg.; 13% up-to-stand, 6% 1994, 2% avg.; peanuts 67% seedbed prepared, 76% 1994, 67% avg.; 2% planted, 6% 1994, 7% avg.; 0% up-to-stand, 1% 1994, 1% avg.; cotton 72% seedbed prepared, 86% 1994, 73% avg.; 5% planted, 9% 1994, 7% avg.; 0% up-to-stand, 2% 1994, 2% avg. Alfalfa hay 43% 1st cutting, 34% 1994, 24% avg.; other hay 38% 1st cutting, 32% 1994, 26% avg. Pasture, range feed 3% poor, 25% fair, 63% good, 9% excellent. Livestock 2% poor, 13% fair, 79% good, 6% excellent. Prices for feeder steers, heifers were steady to $1.00/cwt lower.

OREGON: Temperatures near to above normal, coast, Willamette Valley; elsewhere below normal temperatures. Precipitation heavy. Coast & Willamette Valley 1.00 to 1.50 in., north central, Columbia Basin of Oregon 0.50 in., northeastern sections 1.00 in.

Days suitable for fieldwork 2.7. Topsoil 88% adequate, 12% surplus. Subsoil 87% adequate, 13% surplus. Winter wheat 3% very poor, 11% poor, 26% fair, 44% good, 16% excellent. All barley planted 73%. Fertilization, spraying, tillage operations delayed due to wet conditions, cereal grain crops. Disease concerns reported, western cereal grains. Sugarbeet planting continued, Klamath Basin. Vegetable planting delay due to wet conditions, statewide. Fumigation of potato fields underway, Klamath Basin. Fruit spraying continued, statewide. Apple fruit set light, Milton-Freewater district. Willamette Valley: Caneberries early bloom stage, strawberry fieldwork slowed by wet conditions. Cranberry development retarded by weather, some hail damage. Willamette Valley nursery industry: Digging, balling deciduous, evergreen trees, movement of transplants continued, shade tree shipping full swing. Livestock good. Range turn-out underway, eastern sections. Pasture green-up continued western locations, eastern

locations needed warmer temperatures. Pastures soggy, muddy. Range, pasture feed 34% fair, 52% good, 14% excellent.

PENNSYLVANIA: Weather data and crop reports not available.

PUERTO RICO: Weather data not available.

SOUTH CAROLINA: Temperatures 1° above normal near coast to 3° below normal in the upstate. Multiple reports hail, ranging from 0.50 to 1.25 in. observed Sumter, Kershaw, Lexington, Richland counties. Maximum observed temperature 87°. Minimum observed temperature 30°. Heaviest 24-hour rainfall 1.43 in. Statewide rainfall averaged 0.40 in.

Days suitable for fieldwork 6.3. Soil moisture 32% very short, 54% short, 14% adequate. Dry soils hampering field operations. Cantaloupes 76% planted, 85% 1994, 81% avg. Corn 99% planted, 100% 1994, 98% avg. Cucumbers 74% planted 83% 1994, 84% avg. Hay 42% harvested, 62% 1994, 39% avg. Oats 95% headed, 90% 1994, 88% avg.; 39% turning color, 36% 1994, 28% avg. Peanuts 40% planted, 60% 1994, 55% avg. Rye 42% turning color, 45% 1994, 33% avg. Snap beans 72% planted, 68% 1994, 64% avg. Sorghum 13% planted, 17% 1994, 16% avg. Sweet potatoes 18% planted, 21% 1994, 22% avg. Tobacco 2% poor, 38% fair, 60% good; 84% transplanted, 99% 1994, 97% avg. Watermelons 84% planted, 89% 1994, 87% avg. Wheat 6% very poor, 18% poor, 70% fair, 6% good; 97% headed, 99% 1994, 90% avg.; 24 turning color, 35% 1994, 24% avg. Peaches 18% fair, 78% good, 4% excellent. Pasture feed 3% very poor, 31% poor, 56% fair, 10% good.

SOUTH DAKOTA: Temperatures 3 to 10° below normal. Extremes 28°; 71°. Most areas generally received 0.75 to 1.75 in. of precipitation. Northeast, north central generally received less than 0.25 in. Heaviest precipitation 1.87 in. Lemmon.

Days suitable for fieldwork 1.2. Topsoil 20% adequate, 80% surplus. Subsoil 1% short, 28% adequate, 71% surplus. Winter rye 5% poor, 25% fair, 57% good, 13% excellent. Barley 6% planted, 76% 1994, 84% avg.; 1% emerged, 47% 1994, 56% avg. Oats 12% planted, 78% 1994, 85% avg.; 2% emerged, 53% 1994, 60% avg. Flax 0% planted, 18% 1994, 27% avg. Wet, cool conditions continued to hamper spring planting. Reports of large acreages of spring wheat that will not get seeded due to weather. Livestock condition 5% poor, 30% fair, 60% good, 5% excellent. Wet, cool conditions caused scour problems in calves with cases of heavy losses. Lack of pasture growth from cool conditions depleting feed supplies. Cattle moved to pasture 27%. Calving 83% complete, lambing 91%. Feed supplies 5% very short, 21% short, 71% adequate, 3% surplus. Stockwater supplies 2% short, 54% adequate, 44% surplus.

TENNESSEE: Temperatures 5 to 10° below normal. Extremes 35°; 83°. Showers early, late week, totals ranging from 0.33 to 1.27 in.

Days suitable for fieldwork 3.0. Topsoil 5% short, 63% adequate, 32% surplus. Subsoil 7% short, 75% adequate, 18% surplus. Corn 88% planted, 72% 1994, 60% avg. Cotton 20% planted, 28% 1994, 23% avg. Cotton stressed by cool weather. Heat units needed. Sorghum; 35% planted, 12% 1994, 16% avg. Tobacco; 13% transplanted, 7% 1994, 8% avg. Wheat 2% poor, 22% fair 65% good, 11% excellent; 98% headed, 90% 1994, 72% avg. Pasture feed 4% poor, 36% fair, 54% good, 6% excellent. Alfalfa 1% poor, 37% fair, 56% good, 6% excellent; 13% 1st cutting, 16% 1994, 9% avg. Cattle 2% poor, 27% fair, 67% good, 4% excellent.

TEXAS: First week of May brought several rounds severe weather to parts of State. Many areas in north, west, Panhandle reported large to very large hail, high winds, flooding. Very severe storms over weekend brought hail, flooding, several deadly tornados to much west central, north, the Panhandle. However, other parts of State remained dry for much of week. For week, rainfall averages below normal over parts east, south, were generally near to above normal elsewhere. Totals were around 0.75 in. below normal along coast to almost 4.00 in. above normal in Blacklands. District totals ranged from 3.76 in. Blacklands to no rain Lower Valley. Temperatures generally 2 to 5° below normal over Panhandle, north; temperatures generally near normal to 3° above normal elsewhere. District averaged ranged from 5° below normal Low Plains District to 3° above normal in South Central, Lower Valley districts.

Crops: Small grains: Winter wheat fields High Plains continued to show damage from earlier freezes. More rain needed throughout Plains, Cross Timbers. Except for Plains area, most fields showing good potential. Rain also needed to ensure good filling in Hill Country, Central. Harvesting underway in Costal Bend, South. Corn: Planting continued to increase in Plains despite cool soil temperatures. Early planted fields emerging; however, progress was slow. Good growth reported Blacklands. Some fields showing disease, insect pressures. Early planted fields in Coastal Bend, Rio Grande Valley, along Upper Coast were tasselling. Rain needed in Valley. Cotton: Planting just getting underway scattered fields in Plains; most producers still waiting for warmer soil temperatures, rainfall. Growth was behind normal in Blacklands. Some spraying occurred along Upper Coast. Fields in Valley, Coastal Bend beginning to square. Grain sorghum: Planting getting underway Plains. Fields need moisture many parts of State. Insect problems showing scattered Blackland fields. Good development occurred in Coastal Bend during week. Rice: Producers along Upper Coast continued to flood early planted fields. Planting operations continued without much delay. Emergence was good. Corn 2% poor; 30% fair; 56% good; 12% excel-lent. Grain sorghum 4% poor; 25% fair; 49% good; 22% excellent. Rice 1% poor; 11% fair; 65% good; 23% excellent. Sugarbeets 99% planted; 98% 1994; 94% avg. Peanuts 3% planted; 5% 1994; 4% avg. Soybeans 33% planted; 28% 1994; 28% avg. Sunflowers 10% planted; 10% 1994; 16% avg.

Commercial Vegetables: Rio Grande Valley: Harvest spring onions winding down some fields. Carrot, cabbage harvest continued. Citrus harvest nearing completion. San Antonio-Winter Garden area: Onion harvest continued. Watermelons continued bloom. East Texas: Sweet potato growth slowed by cooler temperatures. Progress many other vegetables also slowed. Trans-Pecos: Chilies continued to emerge. Onions also making good progress, some harvesting occurring. High Plains: Early potatoes, onions were improving. Carrot planting underway. Pecan: Producers continued scout for first generation casebearers; traps already captured some. Zinc spraying continued. Phylloxera galls forming some trees. Peaches: Disease,insect problems increasing Hill Country. Most thinning operations completed.

Range and Livestock: Fertilization, weed killing operations continued throughout week as weather permitted. Rainfall needed most areas to increase growth. Haying operations increasing. Stock conditions remained good during week. Fly problems continued some areas.

UTAH: Temperature 3° below normal; minimums 2° above normal. Precipitation moderate to heavy throughout entire State.

Days suitable for fieldwork 3.8. Topsoil 4% short, 59% adequate, 37% surplus. Subsoil 5% short, 71% adequate, 24% surplus. Spring wheat emerged 73%, 78% 1994, 80% avg. Barley planted 90%, 97% 1994, 95% avg.; emerged 70%, 77% 1994, 78% avg. Oats planted 62%, 76% 1994, 79% avg.; emerged 42%, 55% 1994, 52% avg. Corn planted 19%, 52% 1994, 44% avg. Alfalfa hay height 8.0 in., 8.9 in. 1994, 10.1 in. avg. Tart cherries full bloom or past 99%. Apples full bloom or past 91%. Potatoes planted 11%. Range, pasture 5% poor, 18% fair, 56% good, 21% excellent. Cattle, calf 3% poor, 7% fair, 76% good, 14% excellent. Sheep, lamb 1% poor, 27% fair, 64% good, 8% excellent. Ewes lambed on range 75%. Sheep sheared on the farm 94%. Sheep sheared on range 81%. Major farm activities: Lambing,

irrigating, planting, spraying weeds. Spring planting continues to be delayed due to rain. Some counties reported frost last week.

VIRGINIA: Temperatures 5° to 10 below normal for the week. Extremes 30°; 83°. Precipitation near normal for the period.

Days suitable for fieldwork 3.0. Topsoil 3% very short, 29% short, 60% adequate, 8% surplus. Other hay 6% very poor, 44% poor, 37% fair, 13% good. Pasture feed 8% very poor, 24% poor, 37% fair, 28% good, 3% excellent. Alfalfa hay 2% very poor, 19% poor, 34% fair, 45% good. Apple 20% fair, 77% good, 3% excellent. Peach 14% poor, 18% fair, 68% good. Barley 3% poor, 35% fair, 56% good, 6% excellent. Wheat 6% poor, 35% fair, 49% good, 10% excellent. Tobacco greenhouse 6% fair, 44% good, 50% excellent. Tobacco plantbed 6% very poor, 16% poor, 31% fair, 46% good, 1% excellent. Corn 1% very poor, 2% poor, 34% fair, 63% good; 56% planted, 60% 1994, 47% avg. Soybeans planted 7%, 7% 1994, 4% avg. Peanuts planted 35%, 50% 1994, 25% avg. Cotton planted 78%, 75% 1994, 57% avg. Flue tobacco transplanted 26%, 27% 1994, 35% avg. Topsoil improved during the week due to beneficial rains. Farm activities included planting snapbeans, cucumbers, cantaloupes, tomatoes, spraying for mildew, cereal leaf beetles in wheat, spraying orchards, harvesting hay, asparagus, greens, spinach was active.

WASHINGTON: No weather data available. Cool, wet weather has drastically decreased the amount of irrigation water used.

Days suitable for fieldwork 5.0. Topsoil 1% short, 92% adequate, 7% surplus. Subsoil 12% short, 85% adequate, 3% surplus. Irrigation water supply 5% short, 85% adequate, 10% surplus. Winter wheat stands were reported as looking good, still spotty. Frost damage on fruit trees produced side rather than king bloom. Cool, wet weather complicated applications of chemical thinning agents on fruit trees. Asparagus, rhubarb harvest continued. Green chopping, early silage harvest were in progress. Winter wheat, dryland 16% poor, 24% fair, 59% good, 1% excellent; irrigated, 5% fair, 83% good, 12% excellent. Spring wheat, dryland 24% fair, 76% good; irrigated, 7% fair, 89% good, 4% excellent. Barley, dryland 4% poor, 45% fair, 51% good; irrigated, 17% fair, 83% good. Hay, other roughage supplies 5% very short, 19% short, 70% adequate, 6% surplus. Pasture feed 7% poor, 51% fair, 36% good, 6% excellent. Spring wheat, 80% planted, 99% 1994, 92% avg.; 62% emerged, 97% 1994, 84% avg. Barley 88% planted, 99% 1994, 88% avg.; 57% emerged, 95% 1994, 75% avg. Dry peas 83% planted, 98% 1994, 80% avg. Potatoes 80% planted, 97% 1994, 90% avg.; 40% emerged, 29% 1994, 39% avg.

WEST VIRGINIA: Temperature 52°. Extremes 31°; 79°. Precipitation 1.45 in.

Temperatures 5° below normal in the north central, central, northeastern regions to 8° below normal in the southern region. Precipitation 0.19 in. above normal in the central region to 0.90 in. above normal in the northwest region. State precipitation 1.45 in.; greatest weekly total precipitation was 2.32 in. reported at Flat Top.

Days suitable for fieldwork 2.3. Topsoil moisture 3% very short, 6% short, 71% adequate, 20% surplus. Barley 2% poor, 29% fair, 69% good, 59% headed. Wheat 1% poor, 17% fair, 81% good, 1% excellent. Hay 9% very poor, 4% poor, 58% fair, 29% good. Intended acreage prepared for spring planting 77%, 63% 1994. Corn planted 22%, 43% 1994, 31% avg.; 2% emerged, 10% 1994, 5% avg. Oats planted 62%, 80% 1994, 77% avg.; 37% emerged, 38% 1994, 48% avg. Soybeans planted 3%, 10% 1994. Tobacco beds seeded 95%, 100% 1994, 95% avg.; 70% emerged, 99% 1994, 81% avg. Apples 100% good. Peaches 100% good. Cattle 23% fair, 75% good, 2% excellent, 93% cows calved. Sheep 19% fair, 77% good, 4% excellent, 90% ewes lambed. Hay, roughage supplies 1% very short, 17% short, 77% adequate, 5% surplus. Feed grain supplies 10% short, 89% adequate, 1% surplus. Activities: Spreading fertilizer, lime; cleaning barns; spreading manure; building, repairing fences; calving, lambing, turning livestock out to permanent pasture, general maintenance.

WISCONSIN: Temperature 52°, slightly below normal. Extremes 24°; 81°. Precipitation trace to 0.40 in.

Days suitable for fieldwork 5.4. Soil moisture 6% short, 82% adequate, 12% surplus. Spring tillage 38%, 62% 1994, 48% avg. Oats planted 56%, 74% 1994, 57% avg. Corn planted 12%, 36% 1994, 18% avg. Range, pasture feed 2% very poor, 19% poor, 31% fair, 41% good, 7% excellent. Alfalfa freeze damage 51% none, 33% light, 11% moderate, 5% severe. Winter wheat freeze damage 65% none, 33% light, 2% moderate, 0% severe. Reporters indicated that farmers were busy late into the night in order to catch up on planting progress. Northern areas still waiting for warm weather to help dry down fields. Planting was in full gear this past week. Most of the alfalfa winter damage has been seen in the northern part of the State. The damage in the southern third of the State was minimal, while the northern two thirds saw increasing damage as the weather started to warm up. Fruit trees started to bud in the Green Lake county area. Planting of potatoes, sweet corn, peas were finishing up in the central part of the State.

WYOMING: Precipitation received across State. The southwestern part of the State, a few scattered areas received 0.02 to 0.40 in. below normal, while the rest of the State received 0.03 to 0.98 in. above normal. Lander had the greatest amount with 1.45 in. Temperatures 1 to 9° below normal across the State. Extremes: 18° Moran; 67° Deaver, Worland, Sheridan, Newcastle. Diversion Dam, Newcastle were the cold spots averaging 9° below normal.

Days suitable for fieldwork 2.1 days. Topsoil 100% adequate or better. Subsoil 97% adequate or better. Irrigation water supplies 24% short, 76% adequate. Moderate damage to winter wheat from wheat aphids. Spring wheat 49% planted, 61% 1994, 69% avg.; 19% emerged, 37% 1994, 37% avg. Oats 59% planted, 68% 1994, 66% avg.; 20% emerged, 37% 1994, 32% avg. Barley 84% planted, 88% 1994, 84% avg.; 58% emerged, 68% 1994, 61% avg. Sugarbeets 91% planted, 96% 1994, 91% avg.; 23% emerged, 44% 1994, 29% avg. Corn 22% planted, 55% 1994, 36% avg.; emerged 0%, 4% 1994, 3% avg. Livestock in mostly good condition. Spring calving complete 95%, 94% 1994, 92% avg. Calf death losses 29% light, 71% normal. Range flock: ewes lambed 35%, 41% 1994, 53% avg.; shorn 77%, 85% 1994, 80% avg. Lamb death losses 13% light, 87% normal. Stockwater supplies 9% short, 91% adequate. Some livestock disease due to wet, cold weather.

International Weather and Crop Summary
HIGHLIGHTS

April 30 - May 6, 1995

FSU-WESTERN: Cool, showery weather in Ukraine and southern Russia benefited winter wheat development.

NORTHWESTERN AFRICA: Hot, dry weather in Morocco promoted winter wheat maturation.

EUROPE: Mild weather and light showers promoted crop development in the west, while rain helped crop establishment in the southeast.

SOUTHEAST ASIA: Heavy rain fell from Java to northern Thailand, hampering rice harvesting but increasing moisture for new plantings.

SOUTH ASIA: Warm, dry weather favored rapid harvest progress of winter grain and oilseeds.

SOUTH AFRICA: Mild weather with light, scattered rain aided late-developing corn and newly sown winter wheat.

CANADA: Cool weather in the Prairies slowed the beginning of spring grain and oilseed planting.

EASTERN ASIA: Recent dry weather has increased irrigation demand for heading winter wheat. Widespread showers boosted rice irrigation supplies across southern China.

AUSTRALIA: Beneficial rain covered eastern and southern wheat areas, boosting topsoil moisture and spurring wheat planting.

SOUTH AMERICA: Drier weather aided summer crop harvesting in central Argentina, while rain slowed cotton harvesting in northern Argentina. Scattered showers caused minor summer crop harvesting delays in southern Brazil.

April 1995

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
****** = DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
NORWAY	OSLO	6	-2	19	-8	2	-0.4	52	4
SWEDEN	STOCKHOLM	8	0	20	-4	4	-0.5	102	72
FINLND	HELSINKI	7	-1	24	-6	3	0.5	31	-6
U KING	GLASGOW	12	4	18	-3	8	0.0	35	-28
	EDINBURGH	12	4	19	-3	8	1.0	26	-15
	BIRMINGHAM	14	4	20	-4	9	1.3	14	-34
	LONDON	14	5	20	-3	10	1.9	16	-38
IRELND	DUBLIN	13	5	19	-2	9	0.6	27	-25
ICELND	REYKJAVIK	4	0	9	-9	2	-1.2	40	-17
DENMRK	COPENHAGEN	10	3	20	-4	6	-0.5	52	14
LUXEMB	LUXEMBOURG	13	5	22	-1	9	1.2	69	11
SWITZL	ZURICH	13	5	22	0	9	1.3	95	3
	GENEVA	15	6	23	1	10	1.7	22	-43
FRANCE	PARIS/ORLY	14	7	23	1	10	***	60	***
	STRASBOURG	15	6	23	2	11	1.5	55	9
	BOURGES	14	6	22	1	10	0.6	67	17
	BORDEAUX	17	8	27	2	13	1.4	36	-31
	TOULOUSE	17	7	24	0	12	0.9	32	-30
	MARSEILLE	18	10	24	5	14	1.0	107	64
SPAIN	VALLADOLID	20	5	27	-1	12	2.1	12	-30
	MADRID	22	5	28	-3	13	1.2	12	-31
	SEVILLE	26	12	33	3	19	1.9	27	-32
PORTUG	LISBON	22	12	29	6	17	2.2	25	-26
GERMNY	HAMBURG	12	4	24	-1	8	1.1	50	-1
	BERLIN	13	5	27	-1	9	0.5	47	7
	DUSSELDORF	14	6	26	-1	10	0.3	36	-15
	LEIPZIG	13	5	25	0	9	0.9	81	41
	DRESDEN	13	5	28	-1	9	0.5	63	17
	STUTTGART	14	6	25	1	10	1.1	26	-28
	NURNBERG	14	6	27	-1	10	1.9	50	2
AUSTRI	VIENNA	15	6	26	-2	10	0.5	46	3
	INNSBRUCK	14	4	23	-2	9	0.7	106	45
CZECH	PRAGUE	13	4	27	-1	9	1.0	38	0
POLAND	WARSAW	12	4	25	-3	8	0.4	72	39
	LODZ	13	4	26	-4	8	0.8	32	-18
	KATOWICE	13	4	26	-5	8	0.8	68	14
	PRZEMYSL	12	4	24	-4	8	-0.5	62	15
HUNGAR	BUDAPEST	16	7	27	-2	12	0.4	42	4
F YUGO	BELGRADE	18	8	28	-1	13	0.7	59	-1
ROMANI	BUCHAREST	18	5	27	-2	11	0.0	25	-20
BULGAR	SOFIA	16	5	24	-2	10	-0.2	40	-16
ITALY	MILAN	19	8	27	0	14	1.5	62	-26
	VERONA	18	7	25	1	13	0.8	78	13
	VENICE	16	8	22	2	12	-0.4	62	-8
	GENOA	17	11	20	7	14	-1.0	77	-8
	ROME	18	8	24	-1	13	-0.8	123	72
	NAPLES	18	9	26	0	13	0.2	116	39
GREECE	THESSALONIKA	19	8	26	0	14	-0.6	6	-30
	LARISSA	20	6	26	-4	13	-1.3	16	-14
	ATHENS	19	11	25	5	15	-1.0	6	-10
TURKEY	ISTANBUL	16	9	22	1	12	1.7	36	-2
	ANKARA	14	2	23	-6	8	-3.6	48	22
CYPRUS	LARNACA	22	11	27	6	16	-0.6	16	-4
ESTONI	TALLINN	8	0	22	-5	4	0.8	32	-2
FSU	ST.PETERSBRG	8	2	21	-3	5	1.1	33	1
LITHUA	KAUNAS	12	3	24	-3	7	1.2	41	1
FSU	MINSK	12	3	24	-4	8	1.5	60	17
	KAZAN	16	6	28	-2	11	6.3	25	-11
	MOSCOW	14	5	25	-4	9	3.4	44	2
	YEKATERINBURG	17	5	29	-1	11	6.5	9	-18
	OMSK	15	3	25	-4	9	5.7	8	-13
	KUSTANAY	18	4	27	-2	11	5.8	4	-19
	NOVOSIBIRSK	12	2	22	-3	7	7.4	27	14
	BARNAUL	12	2	21	-4	7	3.7	43	19
	KHABAROVSK	9	-2	23	-8	4	-0.4	28	-15
	VLADIVOSTOK	8	2	18	-3	5	0.5	30	-35
	KIEV	13	6	23	-1	9	0.5	60	13
	LVOV	12	3	24	-7	7	-0.6	64	16
	KIROVOGRAD	13	5	26	-2	9	0.7	60	29
	ODESSA	14	7	23	0	10	1.0	37	4

Based on Preliminary Reports

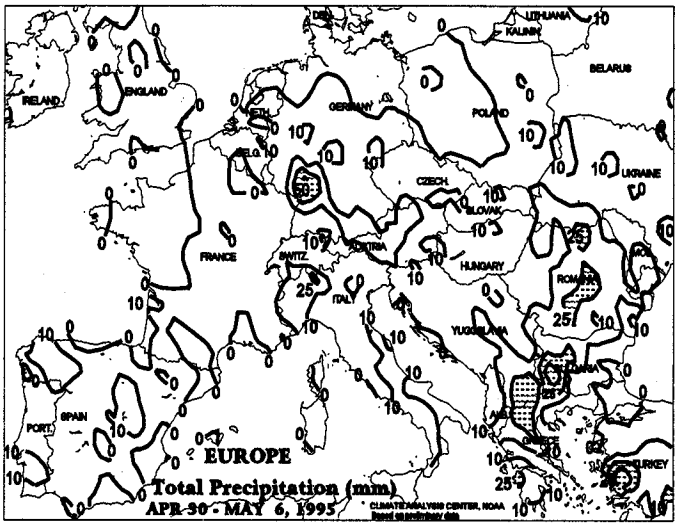
April 1995

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
FSU	YALITA	14	8	25	3	11	0.3	69	37
	SARATOV	18	8	28	0	13	6.6	27	0
	KHARKOV	14	7	28	-2	10	1.2	59	23
	VOLGOGRAD	19	7	28	-2	13	4.2	16	-7
	ROSTOV	17	8	26	0	12	1.3	54	8
	ASTRAKHAN	21	8	31	-1	15	3.8	6	-11
	KRASNODAR	16	7	28	0	12	0.2	60	8
	ORENBURG	21	7	30	0	14	7.4	28	5
	TSELINOGRAD	16	3	23	-3	10	6.9	3	-11
	KARAGANDA	15	2	24	-5	9	3.3	3	-19
	TBILISI	19	7	29	0	**	***	16	-39
	TASHKENT	23	9	29	4	16	0.6	14	-46
	ASHKHABAD	26	12	35	5	19	2.1	3	-40
SYRIA	DAMASCUS	24	5	32	-3	14	-1.3	6	-7
ISRAEL	JERUSALEM	20	9	31	2	14	-1.2	28	-6
PAKIST	KARACHI	34	23	38	16	28	-0.2	0	-5
INDIA	AMRITSAR	31	17	37	12	24	-0.8	21	-4
	NEW DELHI	35	21	40	15	28	-0.6	0	-15
	AHMEDABAD	39	23	42	19	31	-0.3	2	0
	INDORE	38	21	42	16	30	-0.3	3	0
	CALCUTTA	38	25	41	22	31	0.5	15	-20
	VERAVAL	33	22	40	19	27	0.5	0	0
	BOMBAY	34	24	40	20	29	0.4	0	0
	POONA	37	19	40	15	28	-0.7	34	22
	BEGAMPET	38	25	40	21	31	0.0	9	-11
	VISHAKHAPATNAM	32	27	32	24	29	***	2	**
	MADRAS	35	26	38	25	31	-0.2	5	-6
	MANGALORE	35	25	36	21	30	0.5	45	5
H KONG	KINGS PEAK	25	20	30	14	23	***	96	**
N KREA	PYONGYANG	15	2	24	-4	8	-0.3	20	-42
S KREA	SEOUL	17	7	25	0	12	1.1	43	-25
JAPAN	SAPPORO	12	4	23	0	8	1.2	114	50
	NAGOYA	19	10	25	1	14	0.0	197	45
	TOKYO	19	12	26	5	15	1.3	104	-20
	YOKOHAMA	19	11	24	5	15	1.4	126	-17
	KYOTO	18	10	24	1	14	0.3	71	-92
	OSAKA	19	11	24	3	15	0.2	103	-34
THAILN	PHETCHABUN	38	25	40	21	32	1.5	68	-6
	BANGKOK	36	27	37	24	32	1.2	12	-57
MALAYS	KUALA LUMPUR	33	24	35	24	29	1.6	344	71
VIETNM	HANOI	27	23	31	17	25	0.9	19	-62
CHINA	HARBIN	12	0	25	-7	6	0.2	14	-10
	HAMI	21	5	27	-2	13	-0.7	6	4
	LANCHOW	17	6	26	1	12	-0.1	0	-19
	BEIJING	20	9	28	2	14	0.6	4	-23
	TIENTSIN	20	8	30	0	14	0.2	13	-13
	LHASA	16	2	22	-3	9	1.2	0	-6
	KUNMING	26	12	28	9	19	2.8	1	-25
	CHENGCHOW	21	9	29	-1	15	-0.5	15	-33
	YEHCHANG	21	13	29	7	17	-0.2	74	-21
	HANKOW	20	13	24	7	16	0.6	206	75
	CHUNGKING	21	16	28	11	19	***	24	**
	CHIHKIANG	20	14	32	7	17	0.4	154	-10
	WU HU	19	11	29	2	15	***	91	**
	SHANGHAI	17	11	30	5	14	***	94	**
	NANCHANG	19	15	31	9	17	0.1	346	123
	TAIPEI	26	20	32	13	23	2.0	80	-88
	CANTON	26	21	32	14	23	1.6	130	-53
	NANNING	27	21	35	14	24	1.6	40	-64
CNRY I	LAS PALMAS	23	17	26	10	20	1.3	3	-2
MOROCC	CASABLANCA	21	14	26	9	17	1.6	18	-20
	MARRAKECH	23	12	34	8	18	0.5	128	94
ALGERI	ALGER	21	6	28	1	14	-1.0	27	-54
	BATNA	19	3	25	-6	11	-0.8	18	-10
TUNISI	TUNIS	21	11	29	8	16	0.6	20	-19
NIGER	NIAMEY	41	28	44	24	34	0.4	29	23
MALI	TIMBUKTU	39	**	42	26	**	***	13	11
	BAMAKO	38	26	41	19	32	0.5	19	-1
MAURIT	NOUAKCHOTT	32	17	39	14	24	-0.5	0	0
SENEGL	DAKAR	25	19	33	14	22	0.2	0	0
CHAG A	DIEGO GARCIA	30	27	31	25	29	0.6	142	-39
LIBYA	TRIPOLI	23	13	34	5	18	-0.9	44	27
	BENGHAZI	23	13	33	6	18	-1.5	5	-1
EGYPT	CAIRO	26	14	35	9	20	-1.6	0	-1
	ASWAN	34	19	42	10	27	-0.1	0	0

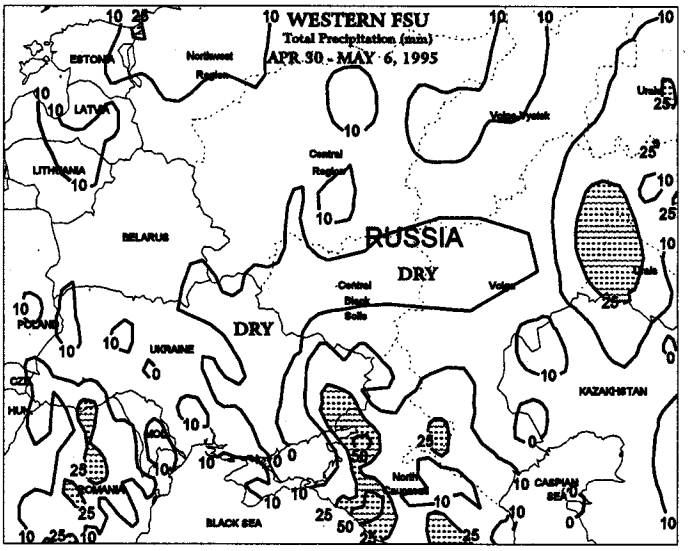
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
ETHIOP	ADDIS ABABA	24	12	26	8	18	0.0	136	52
KENYA	NAIROBI	26	15	29	9	21	0.2	62	-95
TANZAN	DAR ES SALAAM	30	23	33	22	27	0.3	225	-47
GABON	LIBREVILLE	31	24	33	21	28	0.7	170	-176
TOGO	LOME	33	26	35	22	30	1.5	97	-3
B FASO	OUAGADOUGOU	39	28	43	21	34	1.0	115	92
IVRY C	ABIDJAN	32	26	34	22	29	1.1	96	-50
MOZAMB	MAPUTO	29	20	39	16	24	0.6	36	-19
ZAMBIA	LUSAKA	28	15	33	11	21	0.8	3	-14
ZIMBAB	HARARE	26	14	32	10	20	2.0	6	-38
S AFRI	PRETORIA	24	12	28	7	18	0.0	74	20
	JOHANNESBURG	21	10	25	5	15	0.0	67	14
	BETHAL	22	8	31	1	15	-0.1	54	16
	DURBAN	24	17	30	14	21	-1.0	181	108
	CAPE TOWN	22	11	32	5	17	-0.4	17	-21
CANADA	TORONTO	9	-1	17	-9	4	-2.0	77	13
	MONTREAL	9	-2	17	-14	4	-2.0	64	-11
	WINNIPEG	7	-6	16	-19	0	-3.3	**	**
	REGINA	8	-4	14	-17	2	-2.1	32	12
	SASKATOON	7	-5	15	-19	1	-3.2	34	15
	LETHBRIDGE	11	-3	19	-9	4	-1.5	29	-7
	CALGARY	10	-3	16	-9	3	-0.8	32	7
	EDMONTON	10	-2	17	-15	4	-1.0	**	**
	VANCOUVER	14	6	18	2	10	0.8	54	-21
MEXICO	GUADALAJARA	27	11	32	5	19	-2.4	0	-8
	MEXICO CITY	**	14	30	10	**	***	8	-5
	ACAPULCO	32	21	34	17	27	-0.6	5	0
BERMUD	ST. GEORGES	22	18	26	15	20	0.8	92	11
BAHAMA	NASSAU	29	21	32	18	25	1.6	54	3
CUBA	HAVANA	30	22	33	18	26	1.3	22	-28
JAMAIC	KINGSTON	32	24	34	22	28	1.2	1	-35
P RICO	SAN JUAN	31	23	34	21	27	0.7	76	-20
GUADEL	RAIZET	31	22	31	20	26	1.0	17	-55
MARINQ	LAMENTIN	30	23	31	21	26	1.1	54	-66
BARBAD	BRIDGETOWN	30	24	31	21	27	0.4	31	-26
TRINID	PORT OF SPAIN	34	23	35	21	28	1.8	17	-18
COLOMB	BOGOTA	20	9	23	2	15	0.9	154	52
VENEZU	CARACAS	30	23	35	21	26	0.2	36	14
F GUIA	CAYENNE	30	24	32	21	27	1.0	89	-314
BRAZIL	FORTALEZA	28	23	30	22	26	-0.7	511	178
	RECIFE	**	**	30	21	**	***	168	-158
	BELO HORIZONTE	27	19	30	15	23	1.2	55	-7
	CAMPO GRANDE	29	18	33	11	24	-0.2	177	87
	FRANCA	26	17	28	12	22	4.5	125	46
	LONDRINA	**	16	31	10	**	***	26	-87
	SANTA MARIA	25	15	34	9	20	1.3	76	-59
	PORTO ALEGRE	26	14	34	6	20	0.4	66	-37
PERU	LIMA	24	18	29	15	21	0.0	0	0
BOLIVI	LA PAZ	16	2	18	-1	9	0.4	11	-19
CHILE	SANTIAGO	24	8	32	3	16	1.6	16	7
ARGENT	IGUAZU	25	14	33	6	20	***	107	**
	FORMOSA	27	16	35	7	22	-0.6	86	-70
	CERES	25	12	34	3	19	-0.5	37	-43
	CORDOBA	26	10	35	0	18	0.7	11	-42
	RIO CUARTO	24	10	35	1	17	0.5	6	-42
	ROSARIO	23	11	33	0	17	-0.3	46	-66
	BUENOS AIRES	23	12	31	4	17	1.0	265	183
	SANTA ROSA	22	10	30	-2	16	0.8	49	-2
	TRES ARROYOS	20	10	26	1	15	0.4	113	26
N CALD	NOUMEA	28	23	32	21	26	1.6	107	-4
FIJI	NAUSORI	29	24	32	22	26	1.0	357	-44
SAMOA	PAGO PAGO	31	25	34	24	28	1.0	235	-72
TAHITI	PAPEETE	31	25	33	24	28	1.2	112	-29
PA N G	PORT MORESBY	**	**	31	23	**	***	**	**
AUSTRL	DARWIN	31	24	33	22	28	-0.9	119	39
	MOREE	25	11	28	6	18	-2.0	**	**
	BRISBANE	25	16	29	11	20	-1.4	49	-56
	PERTH	25	14	30	7	19	0.1	10	-37
	CEDUNA	22	10	33	5	16	-1.6	20	0
	ADELAIDE	19	11	26	8	15	-1.9	60	21
	MELBOURNE	17	8	24	3	12	-3.3	111	62
	WAGGA	19	7	26	2	13	-2.8	40	-11
	CANBERRA	17	5	22	0	11	-2.6	15	-38
INDONE	DJAKARTA	32	24	34	22	28	0.9	172	**
PHILIP	MANILA	**	**	36	27	**	***	4	-21

Based on Preliminary Reports

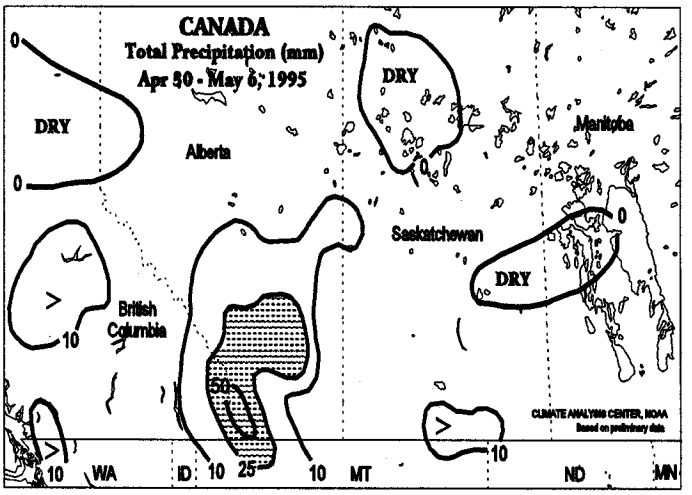
EUROPE: Mild weather and light showers (5 mm or less) over western Europe promoted the development of winter grains and emergence of spring wheat, sugar beets, and early corn. Temperatures averaged 2 to 4 degrees C above normal in the west. Corn planting has likely spread throughout France. Locally heavier showers (10-25 mm) in southern Portugal and northwestern crop areas of Spain and Italy benefited summer crops. However, the rain came too late for drought-stressed maturing winter grains over the Iberian Peninsula. Farther east, cooler weather (1-3 degrees C below normal) prevailed throughout eastern Europe, where dryness favored spring planting from Poland to Hungary. Substantial rain (10-25 mm) boosted crop establishment from Romania to Greece. While the previous week's rain was especially needed for corn planting in Hungary, topsoil moisture in Poland was diminishing following several weeks of mostly dry weather, especially across the northern half of the country.

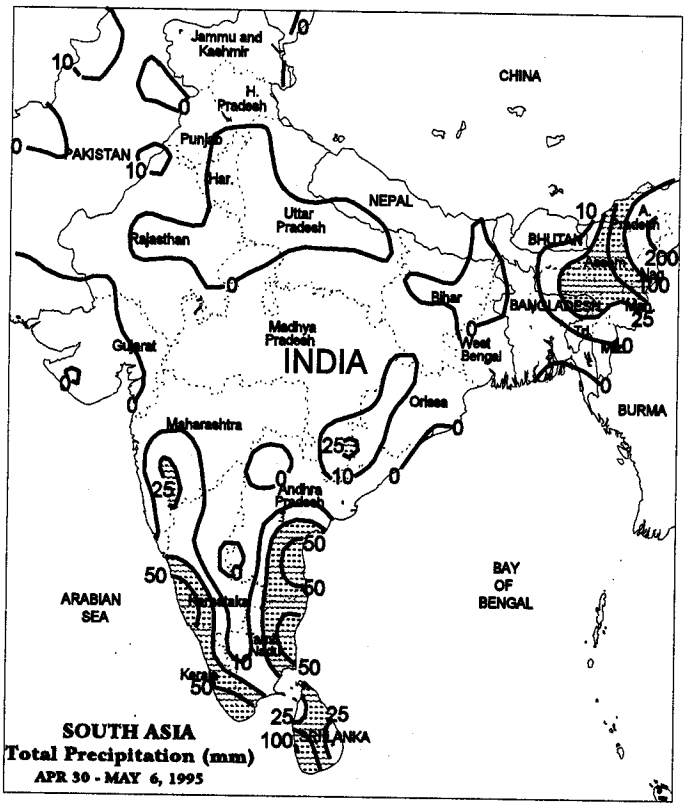


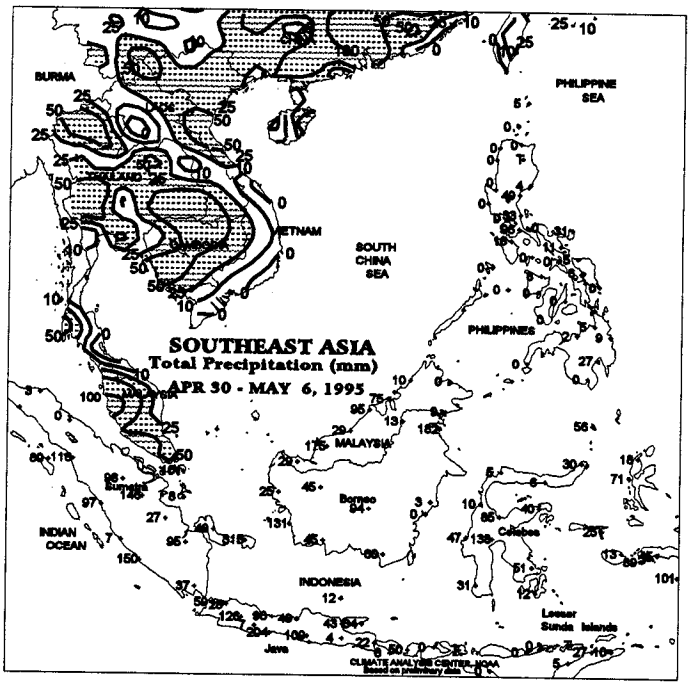
FSU-WESTERN: In Russia, cool weather accompanied light to moderate showers (10-25 mm, with local amounts in excess of 30 mm) over North Caucasus and lower Volga Valley, benefiting jointing wheat. Farther north, little, if any precipitation fell over Central Region, Volga Vyatsk, and middle Volga Valley, helping spring grain planting. In Ukraine, cool weather and scattered showers favored winter wheat development but slowed spring grain emergence and early growth. Well-below-normal temperatures covered western Ukraine and Belarus, where sub-freezing temperatures occurred on some nights during the week. The lowest temperatures (-3 to -6 degrees Celsius (C)) covered Belarus, where some damage to jointing wheat, as well as newly emerged sugar beets, likely occurred. In cotton areas of Central Asia, cotton planting progressed rapidly in April, helped by favorable weather. Hot weather this past week promoted rapid germination.



CANADA: Persistent cooler-than-normal weather (weekly temperatures 1-4 degrees C below normal, with lows consistently below freezing) was slowing early planting activities across the Prairies. Rainfall was generally light (10 mm or less) but more moderate rain (10-25 mm or more) improved topsoil moisture in sections of Alberta. While April rainfall increased planting moisture in Alberta following an exceptionally dry winter, more was needed. In contrast, conditions have been too wet until recently in the eastern Prairies. Farther east, dry weather covered Ontario's winter wheat areas, but moisture was adequate for crops breaking dormancy.

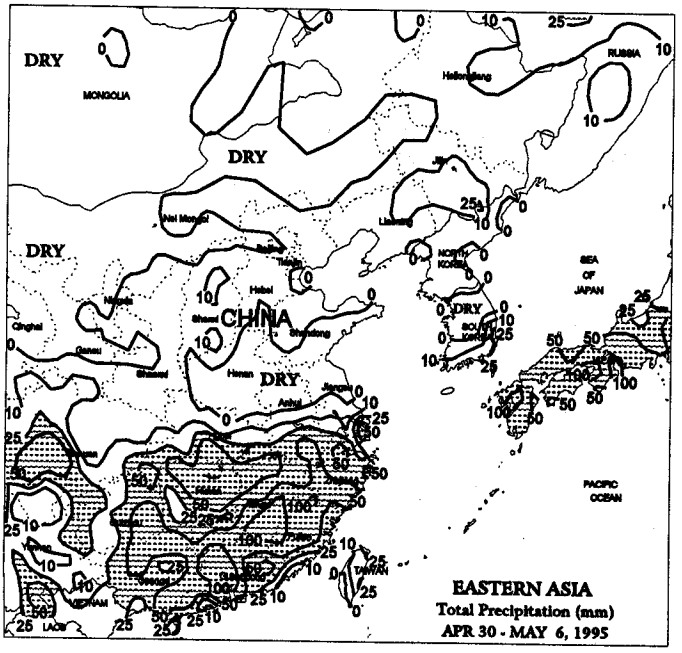




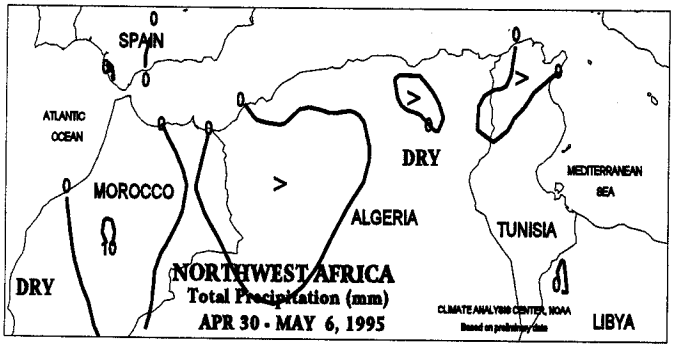


SOUTH ASIA: Seasonably dry, warm weather across India and Pakistan favored winter grain and oilseed harvesting. Conditions also favored harvesting of Bangladesh's Boro rice crop. However, heavy rain (30-50 mm, with a local report exceeding 200 mm) continued in eastern India, increasing moisture for rice cultivation. Scattered rain (25-85 mm) over India's southern tip improved early planting conditions. Pre-monsoon rain is expected during May in southern and eastern India, while in central and northwestern India and Pakistan, hot, dry weather dominates until the onset of the monsoon in mid-June to mid-July.

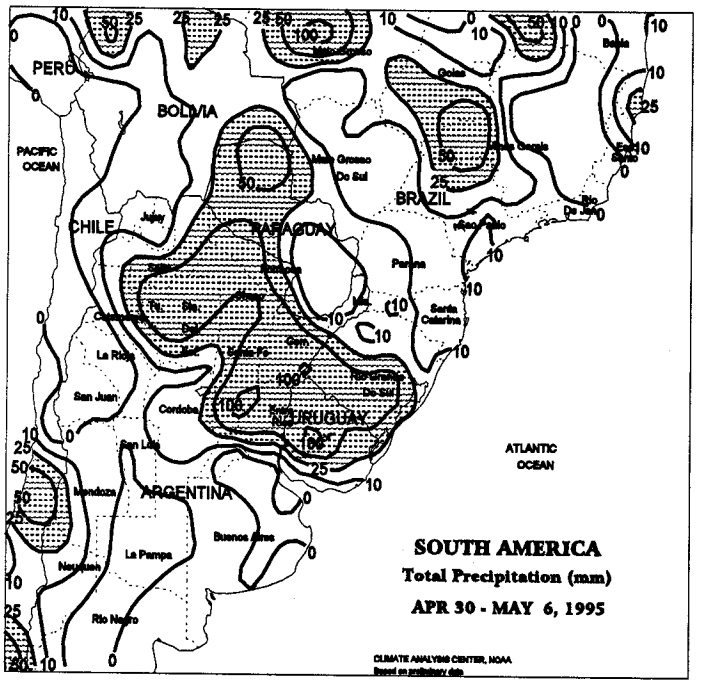
SOUTHEAST ASIA: Locally heavy rainfall totaled 35-100 mm, with scattered 100-205 mm amounts, throughout Java's major rice areas. Harvesting of Java's main crop usually ends in June, with secondary rice, corn, and soybean planting typically underway by July. Farther north, heavy showers (50-100 mm or more) covered many locations in Malaysia, but a dry pocket (rainfall totaling less than 25 mm) continued in eastern oil palm areas of the Malay Peninsula. Widespread showers (15-63 mm) covered rainfed grain areas of Thailand and Vietnam. In Thailand, the moisture was timely for main-season rice and corn establishment but slowed second-crop rice harvesting. In Vietnam, the rain benefited immature winter rice. Dry weather in southern Vietnam aided winter rice harvesting. In the Philippines, mostly warm, dry weather reduced moisture for rice and corn establishment.



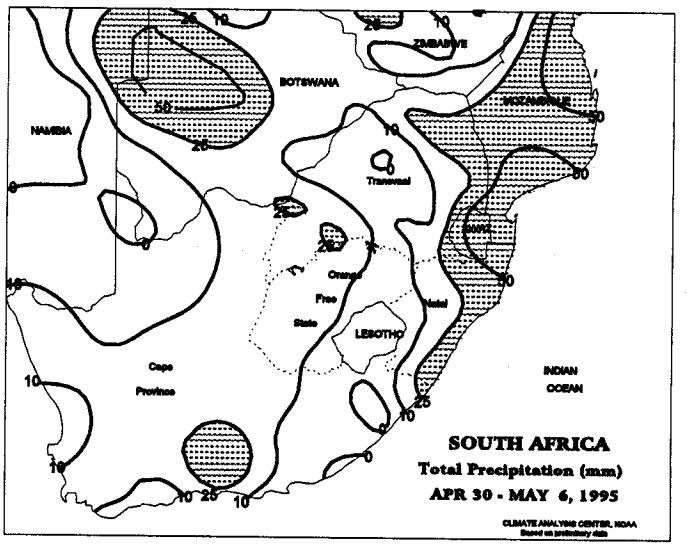
EASTERN ASIA: Mostly dry weather prevailed across the North China Plain, favoring summer crop planting. Dry weather during the past 2 weeks has increased the irrigation demand for heading winter wheat. Temperatures were near normal across the wheat belt. Light rain (3-13 mm) fell across northwestern wheat areas (Shaanxi, Shanxi, and Hebei). Light rain covered (5-15 mm) Manchuria, increasing topsoil moisture for corn and soybean planting. Widespread showers (25-75 mm) covered southern China, boosting rice irrigation supplies but slowing winter grain and oilseed harvesting. Heavier showers (100-150 mm) fell across northern Guangdong, possibly causing flooding. Temperatures averaged near normal across most of eastern China and 2-3 degrees C below normal in Manchuria. North and South Korea received light rain (less than 10 mm), while widespread rain (25-75 mm) covered Japan, boosting irrigation supplies.



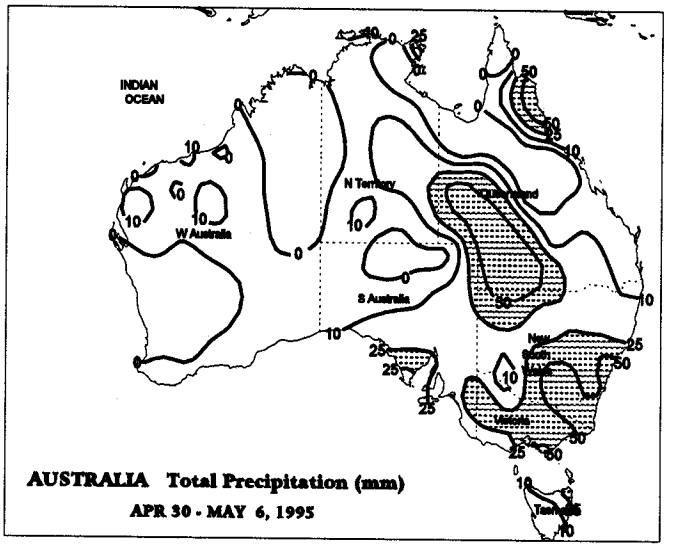
NORTHWESTERN AFRICA: In Morocco, although hot, dry weather promoted winter grain maturation, it limited moisture for summer crop development. Highest weekly temperatures over Morocco ranged from 33 to 37 degrees C. In Algeria and Tunisia, cool, dry weather covered winter wheat that ranged from late-filling to maturing. Weekly average temperatures were 1-4 degrees C below normal over eastern Algeria and Tunisia.



SOUTH AMERICA: In Argentina, mostly dry weather favored summer crop harvesting across Buenos Aires and La Pampa. Light showers (5-15 mm) caused only minor fieldwork delays in southern Santa Fe and Cordoba. In the north, moderate showers (50-75 mm) delayed cotton harvesting. In southern Brazil and Paraguay, scattered showers (5-20 mm) slowed summer crop harvesting. Espirito Santo and eastern Bahia received light to moderate showers (10-40 mm), favoring coffee and cocoa. Temperatures averaged 2-3 degrees C above normal across the region, helping to dry-down mature summer crops.



SOUTH AFRICA: Scattered, light to moderate showers (5-30 mm) fell throughout primary grain regions, boosting topsoil moisture for winter wheat planting and establishment. Temperatures averaged near to slightly above normal, with no freezing temperatures reported in the corn belt, aiding late-developing corn. May and June are important months for corn harvesting and winter wheat planting. In Kwazulu-Natal, unseasonable rain (37-44 mm) continued to provide late-season relief to rainfed sugarcane.



AUSTRALIA: Widespread moderate rain (15-45 mm) covered the eastern and southern crop areas, boosting topsoil moisture for winter wheat planting and pastures. It was the first significant rain in New South Wales since February. Lighter rain (5-12 mm) fell across east-central Queensland, while moderate rain (40-60 mm) aided pastures across southwestern Queensland. Dry weather prevailed across the western wheat areas. Moderate showers (20-50 mm) favored sugarcane across the northern sugarcane areas near Cairns, but drier weather (less than 10 mm) prevailed across the remaining northeast sugarcane areas. So far this season, rainfall is averaging about 15-20 percent less than last year across the northeast sugarcane region. Typically, rainfall diminishes during this time of year. Temperatures averaged 1-2 degrees C below normal across the east and 2-3 degrees C below normal across the south. In New Zealand, moderate rain (30-45 mm) fell across the central North Island and northern South Island, aiding pastures.

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(Continued from front cover)
the **Black Hills**, fell from **western South Dakota** to the **Ozark Plateau**. A day later, separate storms affected opposite ends of the Nation, producing daily-rainfall records in **Fresno, CA** (0.67 inches) and **Charlotte, NC** (1.75 inches). Brief clearing between storms allowed temperatures to drop to 34°F in **Kansas City, MO** (a record for May 2) and 31°F in **Omaha, NE**.

At midweek, cool air filtered into the **Southeast**, while rain overspread the **Northwestern and Central States**. **Macon, GA** (42°F) notched a daily-record low on Wednesday. A day later, showers quickly shifted eastward, yielding to a major spring storm.

As early as Thursday, strong thunderstorms erupted from **California** and the **Great Basin** northward to the **Snake River Plain**. Strong winds swept across the **Southwest**. On Friday, powerful thunderstorms struck the **central and southern High Plains**. The storms produced more than 25 percent of the observed year-to-date precipitation in both **Amarillo** and **Lubbock, TX**. Farther east, a ferocious combination of rain (3 to 4 inches), large hail, and wind battered the **Dallas-Ft. Worth** area. Media accounts indicated that at least 18 people were killed, many due to flash flooding.

Heat overspread the **South** in advance of the storm, with highs on Saturday reaching 102°F in **Lajitas, TX** and 95°F in **Tampa, FL**. In contrast, snow fell at elevations as low as 3,000 feet in **southern California**. By Saturday afternoon, 4 inches of snow covered **Mt. Laguna**. Elsewhere across the **West**, late-week snowfall included 3 inches in **Ruth, NV** and 13 inches at **Snowbird** in **Utah's Wasatch Range**.

In **northern and interior Alaska**, weekly temperatures averaged up to 15°F above normal. Highs at **Fairbanks, AK** reached or exceeded 70°F on the first 4 days of the week, including 78°F on Tuesday. By comparison, the highest temperature observed during the week in **Grand Island, NE** was 59°F.

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