

WEEKLY WEATHER AND CROP BULLETIN

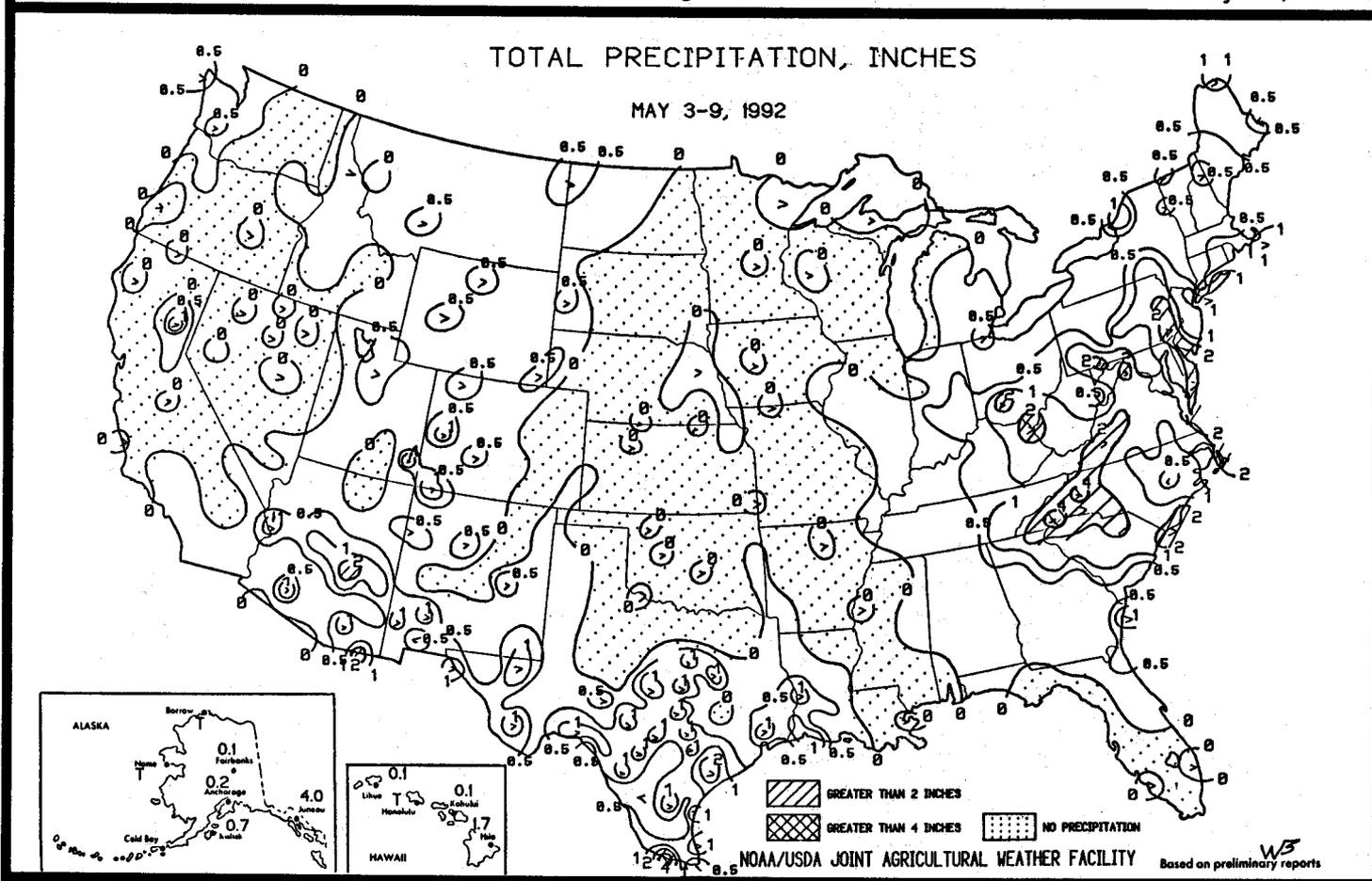
U.S. DEPARTMENT OF COMMERCE
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HIGHLIGHTS

May 3 - 9, 1992

Cold, wet weather blanketed the **East**, while seasonable weather gradually supplanted record heat in the **West**. Early in the week, scattered heavy thunderstorms belted **Texas** and the **Southwest**, and a spring storm gathered strength in the **Southeast**. **Victoria, TX**, and **McAllen, TX**, recorded more than 3 inches of rain. Two inches fell in **Douglas, AZ**. In the **Northwest**, where nearly 50 daily record highs were set, early-week temperatures soared to 97°F in **Medford, OR**, and 100°F in **Redding, CA**. At midweek, cold air wrapped into the eastern storm, setting nearly 100 daily record lows and inducing heavy rain and mountain snow. Selected records included lows of 25°F in **Madison, WI**, 30°F in **Moline, IL**, and 33°F in **Fayetteville, AR**. Farther east, heavy snow buried the **southern Appalachians**. **Mt. Pisgah, NC**, elevation 5,749 feet, absorbed 60 inches. Snow fell in northern **Georgia** in May

(Continued to p. 30)

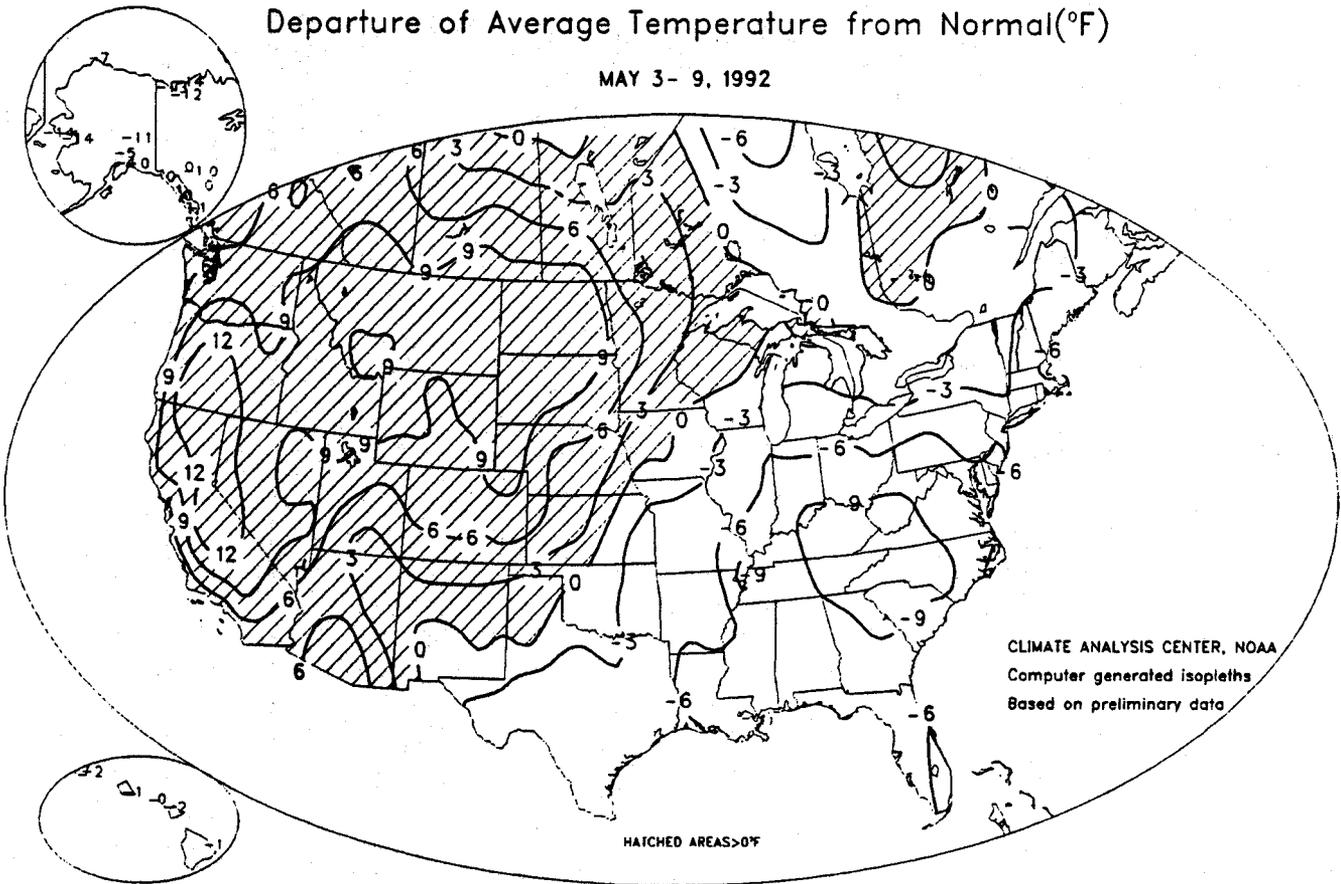
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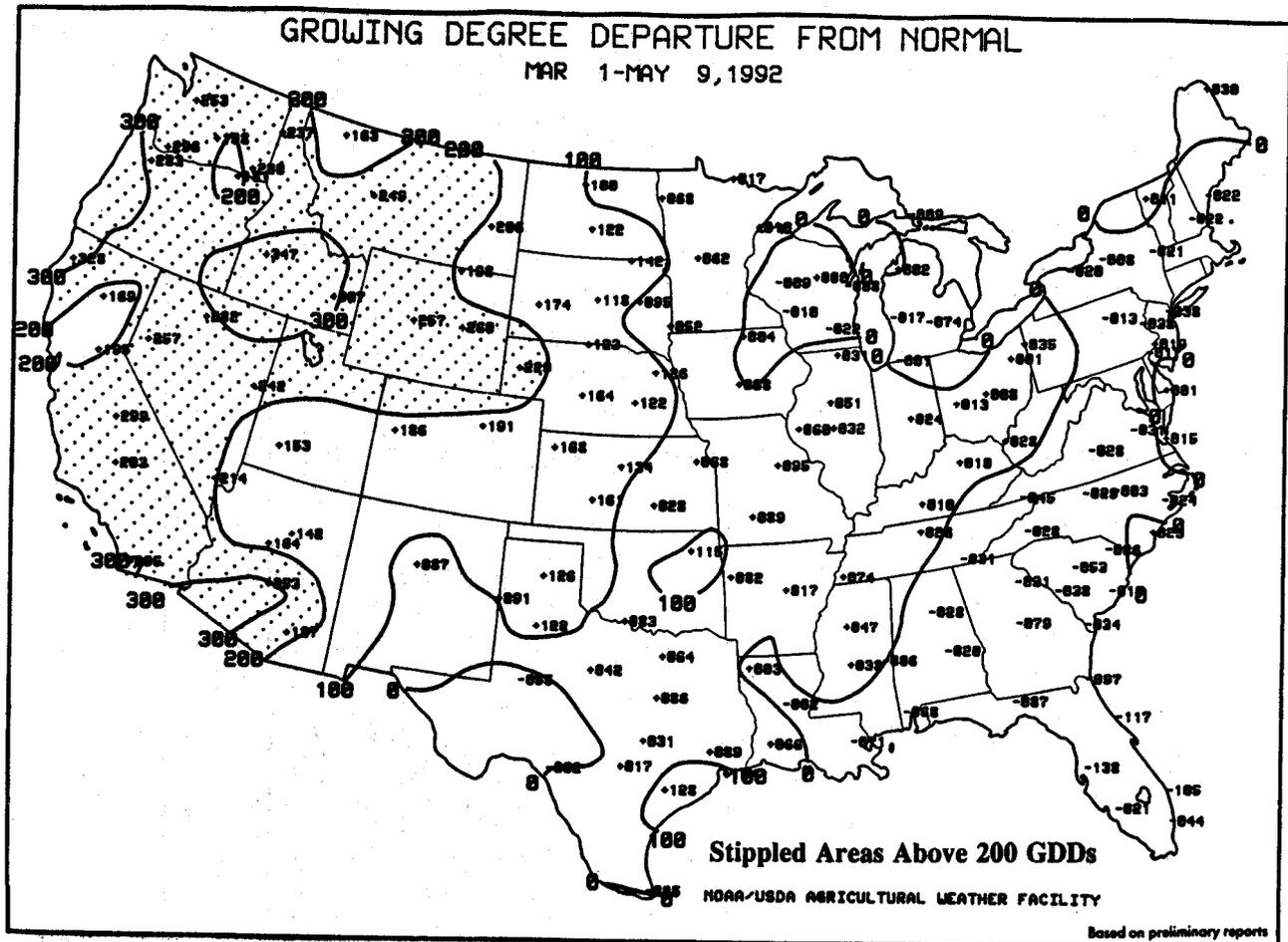
Departure of Average Temperature from Normal(°F)

MAY 3- 9, 1992



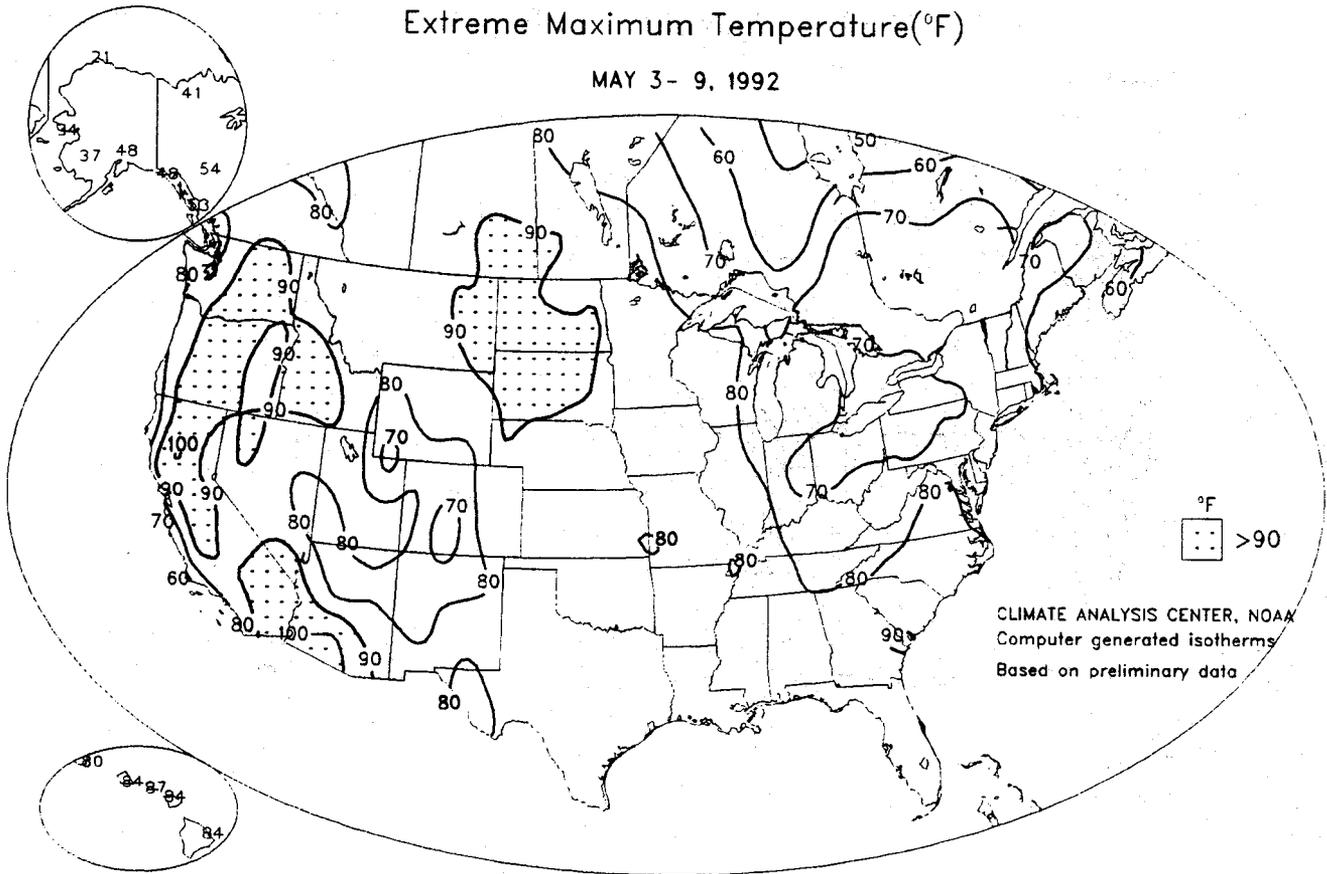
GROWING DEGREE DEPARTURE FROM NORMAL

MAR 1-MAY 9, 1992



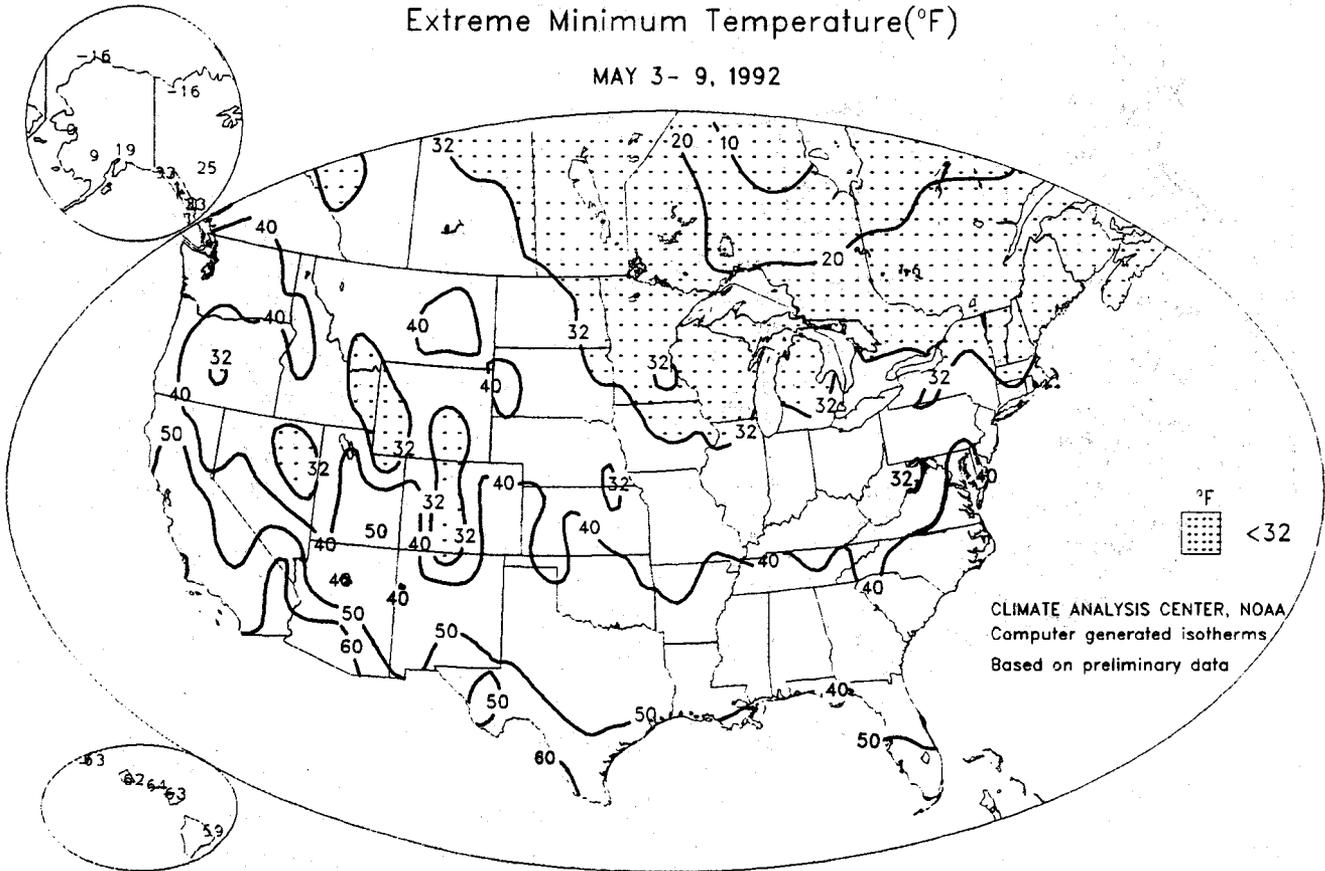
Extreme Maximum Temperature(°F)

MAY 3- 9, 1992



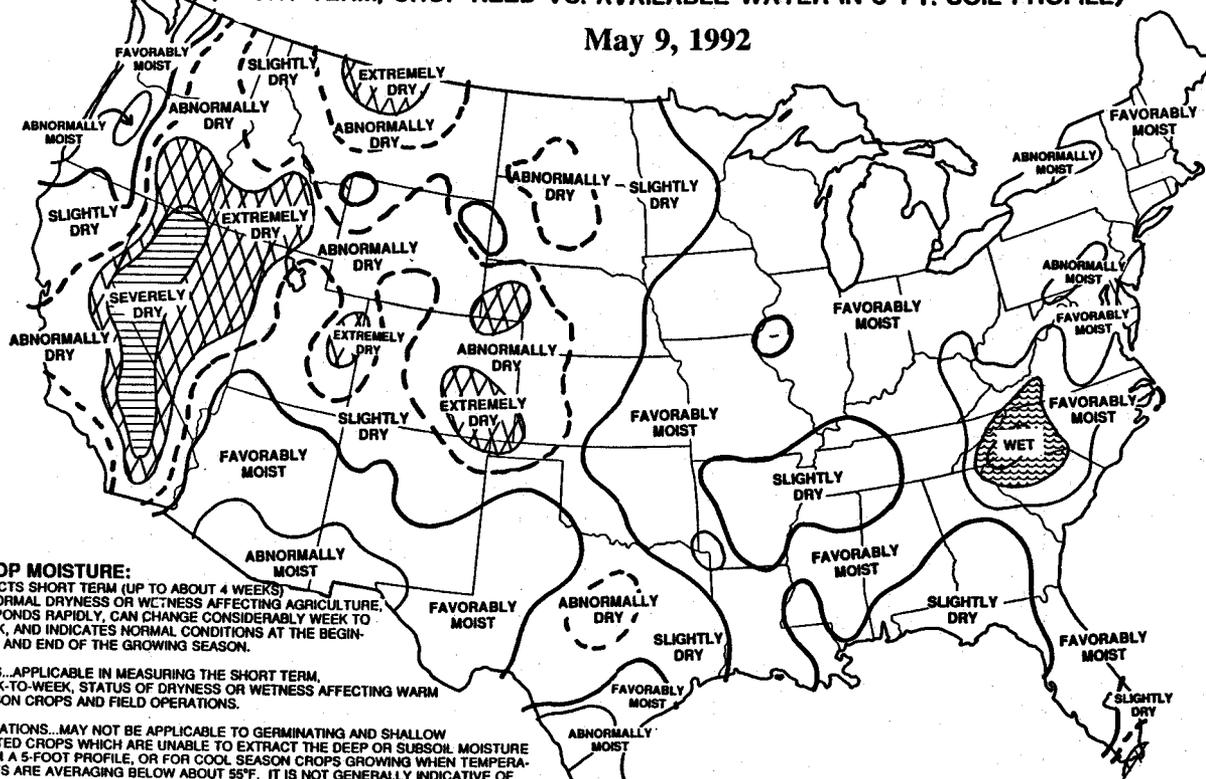
Extreme Minimum Temperature(°F)

MAY 3- 9, 1992



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

May 9, 1992



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.

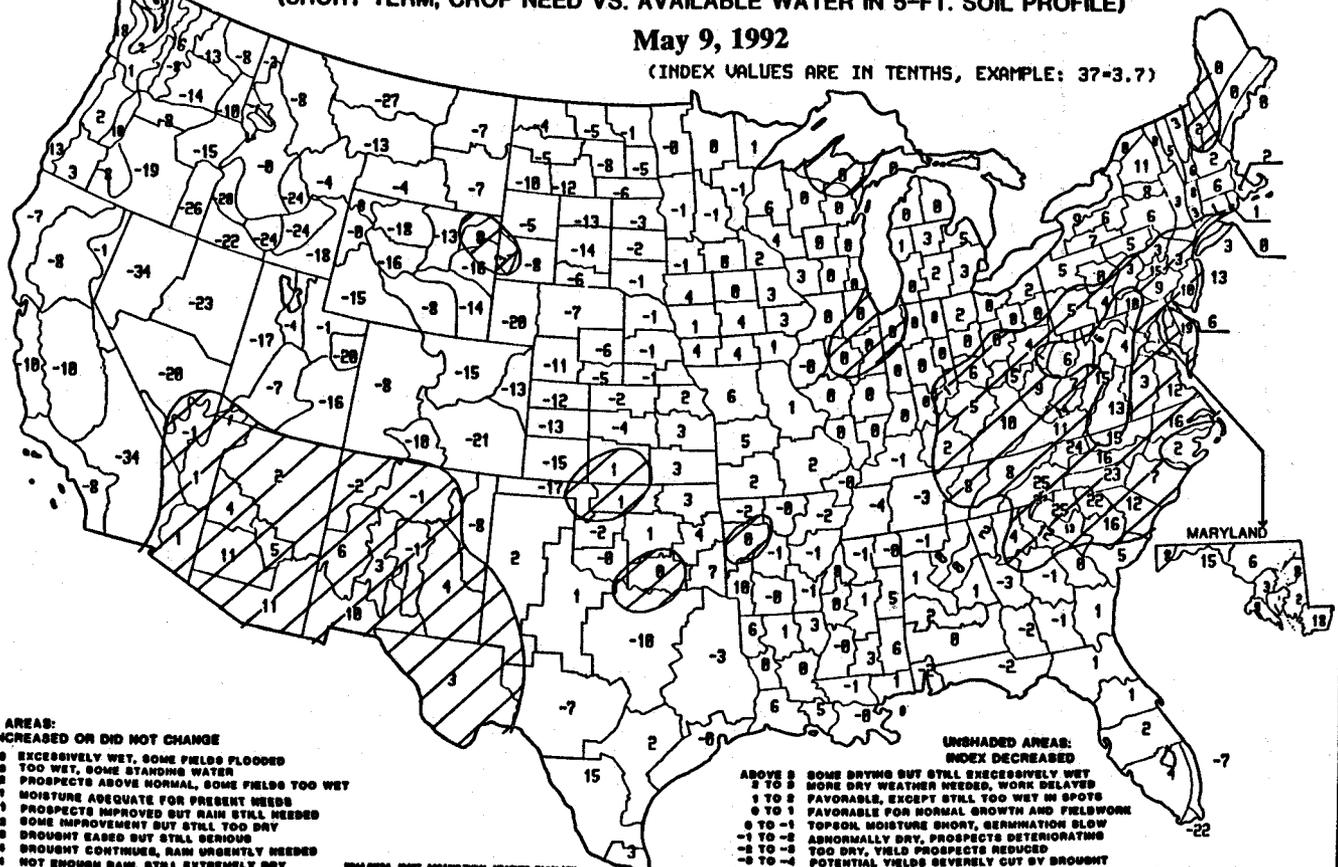
LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) 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 9, 1992

(INDEX VALUES ARE IN TENTHS, EXAMPLE: 37=3.7)



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE
 ABOVE 8 EXCESSIVELY WET, SOME FIELDS FLOODED
 5 TO 8 TOO WET, SOME STANDING WATER
 1 TO 5 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
 0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
 0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
 -1 TO -3 SOME IMPROVEMENT BUT STILL TOO DRY
 -3 TO -5 DROUGHT EASED BUT STILL SERIOUS
 -5 TO -7 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
 BELOW -7 NOT ENOUGH RAIN, STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED
 ABOVE 8 SOME DRYING BUT STILL EXCESSIVELY WET
 5 TO 8 MORE DRY WEATHER NEEDED, WORK DELAYS
 1 TO 5 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 -3 ABNORMALLY DRY, PROSPECTS DETERIORATING
 -3 TO -5 TOO DRY, YIELD PROSPECTS REDUCED
 -5 TO -7 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
 BELOW -7 EXTREMELY DRY, MOST CROPS RIPPED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

National Weather Data for Selected Cities

Weather Data for the Week Ending May 9, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	73	45	82	42	59	-8	.2	-.8	.2	6.2	48	13.9	61	91	32	0	0	2	0	
MOBILE	79	51	87	44	65	-8	.4	-1.2	.4	5.5	41	25.4	110	90	31	0	0	0	0	
MONTGOMERY	75	50	83	44	63	-8	.2	-.7	.2	6.3	55	22.3	110	90	34	0	0	2	0	
AK ANCHORAGE	45	32	49	25	39	-5	.2	.1	.2	6	44	2.8	92	76	38	0	4	3	0	
BARROW	14	-2	22	-16	6	-7	.4	.0	.4	63	.4	54	86	72	0	7	0	0	0	
FAIRBANKS	41	22	51	11	32	-12	.1	.0	.1	87	2.2	125	68	30	0	7	1	0	0	
JUNEAU	46	39	48	37	42	-2	4.2	3.4	2.3	14.8	207	30.8	210	95	73	0	0	3	3	
KODIAK	47	34	51	28	40	-1	.7	-.5	.7	8.3	92	19.5	97	87	38	0	3	2	1	
NOME	25	10	34	0	17	-14	.7	-.1	.7	1.2	97	2.1	82	84	64	0	7	1	0	
AZ PHOENIX	94	71	100	67	83	8	.1	.1	.1	3.1	290	5.6	237	56	20	6	0	1	0	
PRESCOTT	74	48	77	43	61	5	1.3	1.2	.6	2.9	193	6.5	198	78	27	0	0	5	2	
TUCSON	91	63	96	59	77	7	.7	.0	.7	2.4	227	5.4	217	56	18	5	0	1	0	
YUMA	96	69	101	65	82	7	.0	.0	.0	1.6	586	2.9	318	--	--	7	0	0	0	
AR FORT SMITH	79	48	85	42	63	-4	.0	-1.1	.0	6.2	65	9.1	65	88	26	0	0	0	0	
LITTLE ROCK	77	54	85	44	66	-3	.7	-1.3	.7	9.8	83	13.9	71	60	30	0	0	0	0	
CA BAKERSFIELD	92	65	96	61	79	11	.1	.0	.1	1.9	120	5.6	153	67	25	6	0	1	0	
EUREKA	62	53	71	50	58	6	.0	-.4	.0	6.0	71	13.7	66	92	72	0	0	0	0	
FRESNO	93	64	98	60	79	13	.7	-.1	.7	2.3	82	9.0	133	67	23	6	0	0	0	
LOS ANGELES	70	62	73	60	66	4	.0	.0	.0	5.3	197	11.6	140	92	71	0	0	0	0	
REDDING	94	59	103	54	77	10	.0	-.4	.0	5.3	66	18.5	80	75	19	6	0	0	0	
SACRAMENTO	88	56	94	51	72	9	.7	-.1	.7	2.9	86	9.8	94	87	30	4	0	0	0	
SAN DIEGO	71	63	76	62	67	4	.7	-.1	.7	4.7	195	9.9	165	87	66	0	0	1	0	
SAN FRANCISCO	71	55	80	53	63	6	.7	-.1	.7	4.4	104	12.9	106	90	55	0	0	0	0	
CO DENVER	79	47	83	40	63	9	.1	-.5	.1	4.1	110	5.4	109	65	18	0	0	1	0	
GRAND JUNCTION	78	52	85	49	65	6	.8	.6	.4	2.6	157	3.2	112	61	26	0	0	3	0	
PUEBLO	83	45	86	41	64	6	.1	-.3	.1	1.8	85	2.0	77	63	17	0	0	2	0	
CT BRIDGEPORT	60	47	72	38	53	-2	.6	-.2	.6	6.3	72	10.3	69	81	44	0	0	2	1	
HARTFORD	63	42	72	32	52	-4	.3	-.5	.2	8.3	90	13.2	83	90	34	0	1	0	0	
DC WASHINGTON	63	49	79	44	56	-7	.7	.0	.7	6.7	92	11.8	92	85	51	0	0	3	1	
FL APALACHICOLA	79	55	86	48	67	-5	.0	-.6	.0	3.1	39	18.4	120	--	--	0	0	0	0	
DAYTONA BEACH	80	54	89	45	67	-7	.4	-.2	.4	5.5	92	9.6	83	98	41	0	0	1	0	
JACKSONVILLE	80	53	89	45	66	-7	.5	-.4	.5	9.9	133	18.4	130	93	37	0	0	1	1	
KEY WEST	81	66	83	64	73	-7	.0	-.6	.0	4.2	121	5.7	79	79	48	0	0	0	0	
MIAMI	85	62	88	56	74	-4	.0	-1.2	.0	5.1	76	8.4	77	89	34	0	0	0	0	
ORLANDO	81	58	87	48	70	-6	.3	-.3	.3	13.1	207	16.9	144	94	40	0	0	1	0	
TALLAHASSEE	80	48	91	38	64	-8	.7	-1.1	.7	4.2	38	17.1	82	94	34	2	0	0	0	
TAMPA	79	57	83	49	68	-8	.0	-.6	.0	3.1	52	8.2	73	92	47	0	0	0	0	
WEST PALM BEACH	85	61	90	51	73	-4	.7	-1.1	.7	5.3	71	10.2	80	91	35	2	0	1	0	
GA ATLANTA	70	50	82	45	60	-8	.2	-.7	.2	5.1	44	12.6	60	84	40	0	0	3	0	
AUGUSTA	70	49	89	45	60	-9	.6	-.7	.6	6.9	76	16.0	92	94	51	0	0	3	0	
MACON	74	51	88	45	63	-8	.1	-.7	.1	5.7	58	16.1	87	83	36	0	0	0	0	
SAVANNAH	76	55	90	48	65	-6	.4	-.5	.4	6.5	79	15.4	105	90	44	1	0	2	0	
HI HILO	79	65	84	59	72	-2	1.7	-.8	1.2	12.3	41	14.9	28	86	58	0	0	2	1	
HONOLULU	82	67	85	62	75	-2	.7	-.3	.7	.8	15	2.6	22	75	46	0	0	0	0	
KAHULUI	80	65	84	63	72	-3	.1	-.1	.1	1.3	34	4.8	43	92	58	0	0	2	0	
LIHUE	78	66	80	63	72	-3	.1	-.6	.1	4.7	54	9.1	49	85	53	0	0	3	0	
ID BOISE	85	48	93	40	67	12	.7	-.3	.7	.8	33	2.1	40	54	16	3	0	0	0	
LEWISTON	82	49	91	45	65	9	.1	-.3	.1	2.2	86	3.6	74	61	18	1	0	0	0	
POCATELLO	80	40	88	30	60	9	.0	-.2	.0	1.3	54	2.2	49	72	16	0	1	1	0	
IL CHICAGO	63	37	72	30	50	-6	.0	-.7	.0	4.9	65	7.1	69	79	30	0	2	0	0	
MOLINE	71	38	85	30	54	-4	.7	-.9	.7	4.0	50	7.1	65	83	21	0	1	1	0	
PEORIA	70	41	83	35	55	-3	.1	-.8	.1	4.3	54	6.9	63	72	25	0	0	1	0	
QUINCY	69	44	80	34	57	-4	.7	-.8	.7	7.8	94	9.8	88	62	23	0	0	0	0	
ROCKFORD	68	38	83	32	53	-3	.7	-.8	.7	5.7	71	8.0	76	71	24	0	1	0	0	
SPRINGFIELD	70	41	82	35	56	-5	.3	-.5	.3	5.5	68	8.1	71	86	25	0	0	2	0	
IN EVANSVILLE	68	44	82	39	56	-7	.2	-.9	.2	6.0	60	8.4	52	90	32	0	0	2	0	
FORT WAYNE	62	41	69	37	52	-5	.3	-.5	.3	7.0	93	10.1	86	80	35	0	0	2	0	
INDIANAPOLIS	64	40	68	36	52	-8	.3	-.5	.3	7.1	85	9.6	72	84	37	0	0	1	0	
SOUTH BEND	62	39	74	34	51	-5	.7	-.6	.7	5.1	65	8.5	68	84	32	0	0	0	0	
IA DES MOINES	73	45	84	33	59	0	.7	-.9	.7	6.1	93	9.2	106	63	23	0	0	0	0	
SIOUX CITY	76	45	87	34	61	2	.7	-.7	.7	4.7	94	6.0	92	60	23	0	0	0	0	
WATERLOO	72	40	85	29	56	0	.0	-.9	.0	6.8	97	9.4	107	69	18	0	1	0	0	
KS CONCORDIA	77	48	84	36	63	2	.7	-.8	.7	4.6	89	6.2	93	65	25	0	0	0	0	
DODGE CITY	80	48	86	40	64	3	.0	-.7	.0	1.6	39	2.4	46	61	21	0	0	0	0	
GOODLAND	81	46	89	42	64	8	.7	-.6	.7	1.9	65	2.6	71	62	20	0	0	0	0	
TOPEKA	74	45	83	34	60	-2	.7	-.8	.7	8.6	134	10.6	127	80	28	0	0	1	0	
WICHITA	77	46	82	39	61	-2	.0	-.8	.0	5.0	90	6.1	86	81	29	0	0	0	0	
KY BOWLING GREEN	66	45	77	40	56	-8	.3	-.6	.3	8.2	76	13.3	68	96	39	0	0	3	0	
LEXINGTON	61	43	72	37	52	-10	.9	-.1	.9	8.2	81	13.6	80	96	48	0	0	4	0	
LOUISVILLE	63	44	74	39	54	-9	.3	-.6	.3	9.7	96	13.4	80	92	42	0	0	3	0	
LA ALEXANDRIA	77	54	85	44	66	-7	.7	-.2	.7	9.4	78	22.3	105	86	37	0	0	1	0	
BATON ROUGE	80	54	88	45	67	-6	.7	-.2	.7	6.8	57	24.0	112	86	33	0	0	0	0	
LAKE CHARLES	78	57	86	49	68	-6	.1	-.2	.1	11.4	131	26.3	157	98	45	0	0	1	0	
NEW ORLEANS	80	54	87	48	67	-6	.7	-.2	.7	9.4	88	28.1	134	91	35	0	0	0	0	

Based on 1951-80 normals.

Weather Data for the Week Ending May 9, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE		32 AND BELOW
													.01 INCH OR MORE				.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
SRREVEPORT	79	54	87	44	66	-4	.2	-1.0	.2	9.4	94	20.4	116	87	33	0	0	1	0
ME CARIBOU	56	34	75	29	45	-1	1.0	.4	.9	5.5	95	12.0	116	86	42	0	0	2	1
PORTLAND	55	35	68	29	45	-5	.1	-.6	.1	6.7	76	14.9	92	93	48	0	3	2	0
MD BALTIMORE	62	48	79	44	55	-5	.6	-.1	.6	7.0	88	10.8	77	88	51	0	0	2	1
SALISBURY	62	46	77	36	54	-7	2.1	1.4	1.6	7.1	86	13.1	87	92	57	0	0	3	1
MA BOSTON	53	42	69	37	48	-8	.3	-.5	.3	7.0	79	12.4	75	89	58	0	0	2	0
CHATHAM	52	42	64	39	47	-3	1.4	.5	1.1	7.4	82	11.0	62	89	70	0	0	2	1
MI ALPENA	61	36	74	29	48	-1	.3	-.6	.1	4.1	79	7.5	91	78	32	0	2	0	0
DETROIT	62	41	71	34	52	-4	.3	-.3	.1	8.0	123	11.3	112	83	36	0	0	3	0
FLINT	61	38	73	29	50	-4	.1	-.5	.1	6.5	109	9.2	102	81	37	0	2	2	0
GRAND RAPIDS	62	39	74	32	50	-4	.1	-.6	.1	7.5	107	10.1	96	85	33	0	1	1	0
HOUGHTON LAKE	61	36	77	26	49	-2	.1	-.6	.1	5.3	100	7.9	98	72	31	0	2	1	0
LANSING	61	36	73	29	49	-5	.1	-.5	.1	7.4	125	10.1	113	86	37	0	2	1	0
MARQUETTE	62	36	82	18	49	2	.0	-.9	.0	4.7	62	8.7	75	69	38	0	3	1	0
MUSKOGON	60	37	73	31	49	-4	.0	-.6	.0	5.6	87	8.3	79	82	31	0	1	0	0
SAULT ST. MARIE	62	35	79	27	49	2	.0	-.6	.0	4.5	87	8.5	93	72	29	0	3	0	0
MN ALEXANDRIA	73	46	85	35	60	8	.0	-.6	.0	3.8	92	5.1	89	63	25	0	0	0	0
DULUTH	62	37	82	24	50	3	.1	-.6	.1	3.8	81	5.0	74	70	30	0	3	2	0
INT'L FALLS	69	42	83	28	55	7	.0	-.5	.0	2.1	64	4.5	92	75	29	0	2	0	0
MINNEAPOLIS	71	44	87	36	57	2	.0	-.6	.0	3.6	78	4.8	77	57	22	0	0	0	0
ROCHESTER	69	39	85	32	54	0	.0	-.7	.0	5.8	109	7.3	108	66	23	0	1	0	0
MS GREENWOOD	79	49	85	44	64	-6	.0	-1.2	.0	6.6	50	12.3	53	83	26	0	0	0	0
JACKSON	78	49	84	41	63	-7	.0	-1.2	.0	3.6	28	11.7	53	90	32	0	0	0	0
MERIDIAN	77	49	83	44	63	-7	.0	-1.0	.0	9.8	73	20.8	90	87	29	0	0	1	0
MO CAPE GIRARDEAU	73	43	84	37	58	-1	.0	-1.1	.0	5.8	53	11.1	65	83	26	0	0	0	0
COLUMBIA	71	44	82	35	58	-4	.0	-1.0	.0	5.7	66	8.1	66	66	24	0	0	0	0
KANSAS CITY	73	47	82	34	60	-3	.0	-.9	.0	8.7	120	11.9	122	66	29	0	0	0	0
SAINT LOUIS	71	47	82	40	59	-4	.0	-.8	.0	5.9	75	8.9	75	73	23	0	0	0	0
SPRINGFIELD	74	43	80	33	58	-4	.0	-1.0	.0	4.7	54	7.8	62	82	35	0	0	0	0
MT BILLINGS	78	47	89	43	63	11	.1	-.4	.1	3.1	84	3.3	62	68	24	0	0	2	0
GLASGOW	81	46	93	42	64	12	.0	-.3	.0	.9	60	1.1	55	60	19	2	0	2	0
GREAT FALLS	77	43	86	38	60	10	.2	-.3	.2	2.0	65	2.7	56	61	15	0	0	1	0
HAVRE	79	45	90	40	62	10	.0	-.3	.0	.5	25	.7	23	58	18	1	0	1	0
HELENA	78	43	87	38	60	11	.1	-.2	.1	1.3	58	1.7	50	62	15	0	0	1	0
KALISPELL	75	40	82	33	57	8	.1	-.2	.1	2.1	88	4.0	80	86	23	0	0	0	0
MILES CITY	81	48	90	43	65	11	.4	-.1	.2	3.3	128	3.4	90	71	25	2	0	2	0
MISSOULA	77	41	85	36	59	9	.0	-.3	.0	2.9	128	3.4	77	80	27	0	0	2	0
NE GRAND ISLAND	78	45	85	35	61	3	.2	-.6	.1	3.9	75	6.7	102	80	27	0	0	0	0
LINCOLN	77	44	86	29	61	2	.1	-.8	.0	3.3	57	5.6	74	69	24	0	1	0	0
NORFOLK	80	44	88	34	62	5	.0	-.7	.0	3.2	68	5.3	88	65	20	0	0	1	0
NORTH PLATTE	79	43	83	36	61	6	.0	-.7	.0	3.3	85	5.6	117	79	26	0	0	0	0
OMAHA	75	50	85	43	62	2	.0	-.9	.0	6.5	107	9.0	117	58	30	0	0	0	0
SCOTTSBLUFF	83	44	90	36	64	10	.5	-.0	.5	2.0	65	3.7	93	62	15	1	0	1	1
VALENTINE	82	42	90	32	62	8	.0	-.6	.0	2.2	63	3.0	69	71	20	1	1	0	0
NV BLY	74	34	80	27	54	6	.2	-.1	.2	1.7	78	2.9	81	64	17	0	2	1	0
LAS VEGAS	89	65	93	62	77	7	.0	-.0	.0	4.9	735	6.6	414	57	19	4	0	2	0
RENO	84	48	87	40	66	14	.0	-.2	.0	.8	55	1.3	37	56	13	0	0	0	0
WINNEMUCCA	84	43	91	33	63	11	.1	-.2	.1	1.1	67	1.4	44	45	13	3	0	1	0
NH CONCORD	60	35	70	27	48	-5	.1	-.6	.1	5.7	83	8.9	73	92	35	0	4	2	0
NJ ATLANTIC CITY	76	51	80	48	63	2	.6	-.5	.4	1.4	143	2.2	125	83	28	0	0	5	0
NM ALBUQUERQUE	75	51	79	47	63	0	.3	-.1	.2	1.9	101	4.1	146	79	31	0	0	2	0
CLOVIS	80	53	84	48	67	0	.1	-.1	.1	.9	98	2.5	143	81	31	0	0	3	0
ROSWELL	75	44	73	34	53	-1	.0	-.7	.0	5.8	85	9.0	78	81	33	0	0	1	0
NY ALBANY	63	41	65	35	48	-4	1.0	-.3	.5	8.7	125	12.3	104	93	41	0	0	4	0
BINGHAMTON	62	41	70	34	51	-2	.1	-.5	.1	8.4	123	12.9	105	87	37	0	0	4	0
BUFFALO	61	49	74	43	55	-4	.4	-.4	.4	6.1	69	8.9	59	83	41	0	0	2	0
NEW YORK	63	41	72	34	52	-2	.2	-.4	.2	8.4	142	11.7	110	90	35	0	0	2	0
ROCHESTER	63	41	74	34	52	-2	.1	-.6	.0	8.9	121	14.0	111	86	40	0	0	2	0
SYRACUSE	63	41	74	34	52	-2	.1	-.6	.0	8.9	121	14.0	111	86	40	0	0	2	0
NC ASHEVILLE	59	43	78	35	51	-11	3.8	2.9	2.2	11.3	121	18.0	113	94	56	0	0	4	3
CHARLOTTE	64	50	85	42	57	-9	2.3	1.5	.8	9.8	108	17.4	104	86	54	0	0	4	3
GREENSBORO	61	47	83	40	54	-10	1.1	.4	.6	9.7	122	16.3	109	89	51	0	0	5	1
BATTERAS	68	55	81	50	62	-3	2.8	1.9	1.4	11.3	137	19.9	115	94	61	0	0	4	2
NEW BERN	71	53	87	47	62	-6	.6	-.4	.4	5.4	70	14.2	89	93	52	0	0	3	0
RALEIGH	64	49	84	42	56	-9	.6	-.2	.3	5.4	72	11.5	78	90	53	0	0	4	0
WILMINGTON	72	53	89	48	62	-7	2.5	1.7	2.5	11.3	140	20.5	134	95	53	0	0	3	1
ND BISMARCK	82	45	91	32	63	11	.2	-.2	.2	1.1	38	1.8	48	70	22	2	1	1	0
FARGO	79	44	91	27	61	9	.0	-.5	.0	2.0	59	3.4	79	66	23	2	2	0	0
GRAND FORKS	76	43	89	27	59	8	.0	-.4	.0	2.0	75	3.0	76	76	27	0	2	0	0
WILLISTON	78	43	91	32	60	9	.6	-.2	.3	3.4	149	4.0	123	75	28	1	1	2	0
OH AKRON-CANTON	59	40	67	35	50	-6	.4	-.4	.2	8.4	110	12.3	99	93	48	0	0	4	0
CINCINNATI	62	42	71	35	52	-9	1.0	-.1	.4	7.9	92	11.9	82	92	44	0	0	4	0
CLEVELAND	60	42	67	36	51	-5	.2	-.6	.2	7.3	101	13.3	111	91	46	0	0	1	0
COLUMBUS	64	43	70	38	53	-6	.3	-.6	.2	6.7	87	9.4	74	90	41	0	0	3	0

Based on 1951-80 normals.

Weather Data for the Week Ending May 9, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	63	41	67	37	52	-7	.3	-.5	.2	8.9	117	12.9	105	91	38	0	0	3	0		
TOLEDO	61	40	67	34	50	-5	.5	-1.1	.3	7.1	110	10.5	101	86	38	0	0	3	0		
YOUNGSTOWN	60	39	67	31	50	-5	.4	-1.3	.2	8.2	106	12.0	95	94	46	0	1	3	0		
OK OKLAHOMA CITY	78	50	85	45	64	-2	.0	-1.2	.0	4.7	72	7.1	80	74	29	0	0	0	0		
TULSA	78	51	86	44	65	-2	.0	-1.1	.0	6.1	70	7.9	66	81	29	0	0	0	0		
OR ASTORIA	66	47	81	44	56	5	.3	-.4	.2	9.0	71	24.1	76	96	64	0	0	2	0		
BURNS	79	41	89	33	60	11	T	-.2	T	1.2	65	2.3	52	60	14	0	0	1	0		
MEDFORD	90	50	98	40	70	14	.0	-.3	.0	1.5	48	3.0	34	88	24	5	5	0	0		
PENDLETON	81	49	93	42	65	9	T	-.3	T	1.5	64	2.9	56	63	18	1	0	0	0		
PORTLAND	78	51	89	46	65	10	T	-.5	T	5.7	89	14.2	85	87	39	0	0	1	0		
SALEM	79	46	88	39	63	10	.0	-.5	.0	5.2	73	14.5	76	89	39	0	0	0	0		
PA ALLENTOWN	60	44	73	36	52	-5	2.1	1.2	2.1	6.3	71	9.5	62	85	40	0	0	1	1		
ERIE	60	42	70	35	52	-1	.1	-.6	.0	6.4	88	11.0	92	85	43	0	0	2	2		
HARRISBURG	60	48	73	40	54	-5	.7	-1.1	.6	8.4	109	11.1	82	80	50	0	0	1	1		
PHILADELPHIA	64	49	76	43	56	-4	.8	-.2	.8	5.3	65	7.5	53	82	44	0	0	3	1		
PITTSBURGH	59	43	70	36	51	-6	1.1	-.4	.6	7.3	93	11.2	85	91	48	0	0	3	1		
SCRANTON	61	44	69	37	52	-3	1.1	-.4	1.0	5.8	89	8.4	78	87	40	0	0	4	1		
RI PROVIDENCE	60	42	73	36	51	-4	.6	-.2	.6	7.3	79	14.2	83	88	38	0	0	1	1		
SC CHARLESTON	72	56	89	49	64	-6	.4	-.4	.3	6.7	85	14.0	95	92	52	0	0	3	0		
COLUMBIA	69	50	87	45	59	-10	1.7	.9	1.1	8.2	84	15.5	85	91	50	0	0	3	1		
FLORENCE	71	52	90	47	62	-8	1.3	.6	1.3	6.1	77	11.5	77	88	48	1	0	3	1		
GREENVILLE	63	48	83	40	56	-11	2.9	2.1	1.4	13.2	115	21.8	108	88	55	0	0	4	3		
SD ABERDEEN	82	45	93	33	63	10	.0	-.5	.0	.9	26	2.1	44	67	19	3	0	0	0		
HURON	79	44	90	33	62	8	.0	-.6	.0	3.0	75	4.8	95	68	23	1	0	0	0		
RAPID CITY	81	47	90	43	64	11	.5	.0	.5	3.1	85	3.6	76	63	22	1	0	1	1		
SIoux FALLS	77	45	87	35	61	6	.1	-.6	.1	4.4	92	7.0	111	60	21	0	0	1	0		
TN CHATTANOOGA	67	45	80	42	56	-10	1.1	-.1	.6	8.0	67	17.0	77	95	44	0	0	4	1		
KNOXVILLE	62	46	79	42	54	-11	1.4	.6	.7	7.5	73	14.7	76	99	57	0	0	5	1		
MEMPHIS	78	51	86	45	64	-4	.0	-1.2	.0	8.5	66	12.5	57	73	24	0	0	0	0		
NASHVILLE	71	45	81	39	58	-8	.2	-.8	.2	5.5	49	11.1	55	95	34	0	0	3	0		
TX ABILENE	79	56	87	48	67	-3	.0	-.7	.0	2.9	64	8.3	129	77	35	0	0	0	0		
AMARILLO	78	50	81	44	64	1	.1	-.4	.1	2.8	108	3.6	99	75	29	0	0	2	0		
AUSTIN	80	58	87	50	69	-4	.1	-.9	.1	7.4	122	18.8	185	89	42	0	0	1	0		
BRAUNTON	80	56	86	47	68	-5	.7	-.4	.7	10.3	119	27.9	163	96	41	0	0	1	1		
BROWNSVILLE	82	64	84	55	73	-5	.5	.0	.5	4.7	179	10.2	189	93	56	0	0	2	0		
CORPUS CHRISTI	81	62	87	53	71	-5	.2	-.5	.2	8.0	226	17.6	265	91	54	0	0	2	0		
DEL RIO	82	61	86	57	71	-5	.1	-.3	.1	4.7	150	10.4	229	74	40	0	0	2	0		
EL PASO	80	57	85	54	69	-1	1.0	.9	.8	1.8	354	3.1	234	92	34	0	0	5	1		
FORT WORTH	80	57	89	49	69	-2	T	-1.1	T	5.7	72	11.4	99	82	34	0	0	0	0		
GALVESTON	77	66	81	60	72	-2	T	-.7	T	7.8	136	24.6	221	81	49	0	0	1	0		
HOUSTON	81	56	87	48	68	-5	.3	-.8	.3	10.3	133	24.1	164	94	38	0	0	1	0		
LUBBOCK	81	54	87	48	67	1	.2	-.4	.2	2.8	106	6.1	172	72	30	0	0	1	0		
MIDLAND	80	53	84	50	66	-3	.2	-.3	.2	2.1	113	5.9	207	83	33	0	0	1	0		
SAN ANGELO	80	56	86	47	68	-4	.0	-.6	.0	2.0	63	7.7	163	88	39	0	0	0	0		
SAN ANTONIO	80	58	86	49	69	-5	.2	-.6	.2	9.4	182	21.4	250	91	42	0	0	2	0		
VICTORIA	82	61	88	52	71	-4	3.7	2.8	2.7	12.7	244	26.7	287	93	45	0	0	2	2		
WACO	82	55	89	43	69	-4	.3	-.8	.2	5.2	71	15.9	144	91	39	0	0	4	0		
WICHITA FALLS	82	53	90	42	68	-2	T	-1.0	T	2.3	38	5.2	65	75	27	1	0	0	0		
UT CEDAR CITY	72	44	77	39	58	5	.1	-.2	.0	2.4	101	3.9	102	79	28	0	0	2	0		
SALT LAKE CITY	79	50	86	44	64	9	.9	.5	.9	2.9	67	5.0	70	73	24	0	0	2	1		
VT BURLINGTON	64	38	78	30	51	-1	T	-.6	T	5.3	91	8.5	91	86	34	0	2	1	0		
VA NORFOLK	65	50	78	47	58	-7	1.9	1.1	1.2	5.8	75	12.3	83	88	59	0	0	3	1		
RICHMOND	64	47	84	44	55	-8	1.1	.3	.6	9.3	125	13.8	99	92	52	0	0	4	1		
ROANOKE	62	47	79	43	54	-9	2.5	1.7	1.3	9.9	128	16.2	117	90	45	0	0	6	2		
WA QUILLAYUTE	67	44	83	39	55	6	.5	-.8	.4	16.3	79	47.5	100	97	51	0	0	2	0		
SEATTLE-TACOMA	72	49	85	45	61	7	T	-.3	T	5.9	92	16.8	100	85	45	0	0	2	0		
SPOKANE	79	46	89	37	62	10	T	-.3	T	1.1	39	5.0	73	66	16	0	0	0	0		
YAKIMA	83	44	93	38	63	8	.0	-.1	.0	1.1	92	2.0	60	84	20	2	0	0	0		
WV BECKLEY	56	42	71	38	49	-9	1.3	.5	.6	9.9	118	14.2	94	93	46	0	0	6	1		
CHARLESTON	61	43	76	39	52	-9	1.4	.6	.6	9.4	109	14.0	92	97	49	0	0	6	1		
HUNTINGTON	62	42	76	37	52	-10	2.5	1.7	1.5	9.4	108	13.3	90	97	53	0	0	5	2		
PARKERSBURG	63	43	74	38	53	-8	.6	-.2	.4	7.3	92	10.0	74	95	41	0	0	3	0		
WI GREEN BAY	64	37	78	28	51	-1	T	-.7	T	5.5	100	6.8	88	78	29	0	2	0	0		
LACROSSE	70	42	86	32	56	0	.0	-.8	.0	8.0	135	9.7	125	70	22	0	1	0	0		
MADISON	67	36	84	25	52	-3	.0	-.7	.0	5.1	82	7.2	86	80	26	0	2	0	0		
MILWAUKEE	60	41	71	34	51	-1	T	-.6	T	5.0	75	7.7	79	62	29	0	0	0	0		
NAUSAU	66	39	83	30	52	0	.0	-.8	.0	4.9	84	6.2	80	76	27	0	2	0	0		
WY CASPER	78	40	86	31	59	9	.3	-.2	.3	1.6	53	2.2	52	61	17	0	1	1	0		
CHEYENNE	74	42	79	37	58	9	.5	.0	.5	2.6	90	3.0	82	68	18	0	0	1	1		
LANDER	76	44	85	35	60	10	.7	-.1	.7	2.9	68	3.5	65	54	20	0	0	1	1		
SHERIDAN	76	43	86	36	59	9	.4	-.1	.4	2.8	74	3.0	56	74	31	0	0	2	0		

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F) April 1992

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL BIRMINGHAM	171	61	NEW ORLEANS	54	30	CINCINNATI	339	11
MOBILE	77	34	SHREVEPORT	84	15	DAYTON	427	22
MONTGOMERY	126	54	ME CARIBOU	852	21	TOLEDO	525	9
AK ANCHORAGE	891	3	PORTLAND	700	34	YOUNGSTOWN	515	-13
BARROW	1930	-71	MD BALTIMORE	387	53	OK OKLAHOMA CITY	154	-30
FAIRBANKS	1160	116	SALISBURY	361	34	TULSA	156	-12
JUNEAU	713	-64	MA BOSTON	552	63	OR ASTORIA	416	-106
KODIAK	767	-43	CHATAM	694	82	BURNS	539	-118
NOME	1295	-118	MI ALPENA	784	43	MEDFORD	253	-188
AZ FLAGSTAFF	469	-233	DETROIT	555	27	PENDLETON	362	-79
PHOENIX	7	-45	FLINT	638	62	PORTLAND	282	-156
PRESCOTT	222	-246	GRAND RAPIDS	626	65	SALEM	332	-151
TUCSON	24	-62	HOUGHTON LAKE	763	70	PA ALLENTOWN	478	28
WINSLOW	232	-128	LANSING	642	81	ERIE	556	-47
YUMA	0	-37	MARQUETTE	905	77	HARRISBURG	392	8
AR FORT SMITH	148	1	MUSKEGON	653	59	PHILADELPHIA	356	-7
LITTLE ROCK	141	17	SAULT ST MARIE	875	68	PITTSBURGH	417	-30
CA BAKERSFIELD	25	-112	MN ALEXANDRIA	722	23	SCRANTON	521	20
EUREKA	250	-218	DULUTH	859	58	RI PROVIDENCE	549	36
FRESNO	25	-162	INT' L FALLS	875	71	SC CHARLESTON	119	50
LOS ANGELES	25	-155	MINNEAPOLIS	636	66	COLUMBIA	150	63
REDDING	120	-106	ROCHESTER	678	66	FLORENCE	142	51
SACRAMENTO	100	-129	SAINT CLOUD	703	43	GREENVILLE	205	51
SAN DIEGO	8	-116	MS GREENWOOD	123	25	SD ABERDEEN	631	19
SAN FRANCISCO	133	-173	JACKSON	118	41	HURON	617	35
STOCKTON	61	-145	MERIDIAN	111	26	RAPID CITY	539	-73
CO DENVER	309	-219	MO CAPE GIRARDEAU	228	4	SIoux FALLS	636	75
GRAND JCT.	195	-208	COLUMBIA	320	4	TN CHATTANOOGA	207	36
PUEBLO	309	-112	KANSAS CITY	367	53	KNOXVILLE	225	44
CT BRIDGEPORT	548	56	SAINT LOUIS	264	-15	MEMPHIS	144	18
HARTFORD	553	67	SPRINGFIELD	261	-18	NASHVILLE	217	31
DE WILMINGTON	386	8	MT BILLINGS	481	-131	TX ABILENE	88	-10
DC WASHINGTON	295	38	GLASGOW	564	-111	AMARILLO	203	-68
FL APALACHICOLA	64	32	GREAT FALLS	532	-137	AUSTIN	39	-4
DAYTONA BEACH	43	28	HAVRE	538	-131	BEAUMONT	34	5
FORT MYERS	10	10	HELENA	513	-168	BROWNSVILLE	10	10
JACKSONVILLE	86	64	KALISPELL	574	-98	CORPUS CHRISTI	24	17
KEY WEST	0	0	MILES CITY	493	-110	DEL RIO	36	21
MIAMI	0	0	MISSOULA	536	-97	EL PASO	49	-44
ORLANDO	19	19	NE GRAND ISLAND	433	-14	FORT WORTH	73	-3
TALLAHASSEE	99	49	LINCOLN	405	-12	GALVESTON	25	6
TAMPA	32	32	NORFOLK	492	3	HOUSTON	37	4
W. PALM BEACH	4	4	NORTH PLATTE	436	-86	LUBBOCK	134	-44
GA ATLANTA	161	28	OMAHA	469	79	MIDLAND-ODESSA	113	11
AUGUSTA	160	68	SCOTT'SBLUFF	438	-120	SAN ANGELO	88	15
MACON	151	90	VALENTINE	515	-61	SAN ANTONIO	31	1
SAVANNAH	101	59	NV ELY	485	-238	VICTORIA	24	5
ID BOISE	308	-184	LAS VEGAS	7	-124	WACO	59	-11
LEWISTON	328	-166	RENO	273	-285	WICHITA FALLS	107	-11
POCATELLO	407	-205	WINNEMUCCA	379	-212	UT BLANDING	201	-336
IL CHICAGO	560	74	NH CONCORD	669	42	CEDAR CITY	320	-220
MOLINE	473	35	NJ ATLANTIC CITY	468	48	SALT LAKE CITY	247	-227
PEORIA	444	33	NM ALBUQUERQUE	170	-132	VT BURLINGTON	674	5
QUINCY	392	24	CLOVIS	186	-86	VA LYNCHBURG	294	31
ROCKFORD	567	54	ROSWELL	117	-17	NORFOLK	262	43
SPRINGFIELD	382	28	NY ALBANY	605	53	RICHMOND	261	35
IN EVANSVILLE	259	-8	BINGHAMTON	638	17	ROANOKE	290	22
FORT WAYNE	520	46	BUFFALO	633	45	WA COLVILLE	529	-35
INDIANAPOLIS	390	8	NEW YORK	431	38	QUILLAYUTE	476	-94
SOUTH BEND	561	66	ROCHESTER	621	51	SEATTLE-TACOMA	350	-139
IA DES MOINES	486	51	SYRACUSE	617	50	SPOKANE	477	-99
DUBUQUE	585	51	NC ASHEVILLE	274	-9	YAKIMA	419	-55
STOUIX CITY	551	88	CAPE HATTERAS	200	14	WV BECKLEY	395	-10
WATERLOO	554	17	CHARLOTTE	175	20	CHARLESTON	319	21
KS CONCORDIA	351	-16	GREENSBORO	255	40	HUNTINGTON	311	18
DODGE CITY	282	-49	NEW BERN	179	50	PARKERSBURG	366	35
GOODLAND	379	-110	RALEIGH-DURHAM	226	45	WI GREEN BAY	683	44
TOPEKA	326	5	WILMINGTON	167	73	LA CROSSE	576	42
WICHITA	259	-16	ND BISMARCK	689	14	MADISON	634	58
KY BOWLING GREEN	250	8	FARGO	709	22	MILWAUKEE	655	43
LEXINGTON	293	-13	GRAND FORKS	750	21	WAUSAU	719	62
LOUISVILLE	244	-10	WILLISTON	649	-47	WY CASPER	478	-209
LA ALEXANDRIA	75	31	OH AKRON-CANTON	509	17	CHEYENNE	488	-208
BATON ROUGE	56	22	CLEVELAND	513	6	LANDER	425	-256
LAKE CHARLES	34	5	COLUMBUS	402	6	SHERIDAN	496	-179

Based on 1951-80 normals.

April Weather in Historical Perspective

Warmth in the West propelled the Nation to its 20th warmest April since 1895, but a dearth of major storms led to the seventh driest April on record (table 1). April temperatures in the contiguous United States have been warmer than normal for 8 consecutive years (fig. 1). The price to pay for the warmth has been dryness, as six of the past eight Aprils have been marked by normal to below-normal precipitation (fig. 2).

Only the Northeast, East North Central (fig. 3), and Southeast regions had below-normal temperatures in April. The Southwest and West regions each had their third warmest April on record, but received considerably below-normal rainfall (table 1). Warm, wet weather covered the Northwest region, where a 9th warmest April was coupled with a 12th wettest ranking. The

remaining areas recorded below-normal precipitation, except for the East North Central region, which had its 33rd wettest April.

January to April 1992 was the warmest start to a year in the West North Central region (MT, ND, NE, SD, and WY), topping the record set in 1981 (fig. 4). For the contiguous States as a whole, it was the second warmest January to April on record, trailing only 1986. In terms of water conditions, the areal coverage of long-term drought has increased slightly during each month in 1992 (fig. 5). The Northwestern and Western States are most afflicted by drought, and dry pockets dot the Ohio Valley and Middle Atlantic States. Unusually wet conditions persist in portions of the upper Mississippi Valley, Great Lakes States, and South Central States.

TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR APR 1992, BASED ON THE PERIOD 1895-1992.
1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NORTHEAST	23	34
EAST NORTH CENTRAL	66	27
CENTRAL	20	54
SOUTHEAST	31	27
WEST NORTH CENTRAL	17	76
SOUTH	34	62
SOUTHWEST	6	96
NORTHWEST	87	90
WEST	23	96
NATIONAL	7	79

Figure 1

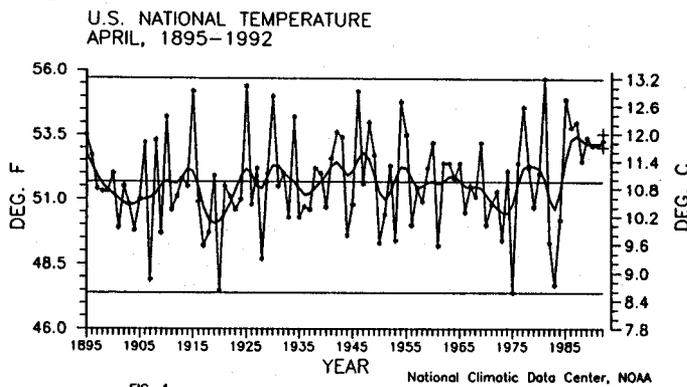


Figure 2

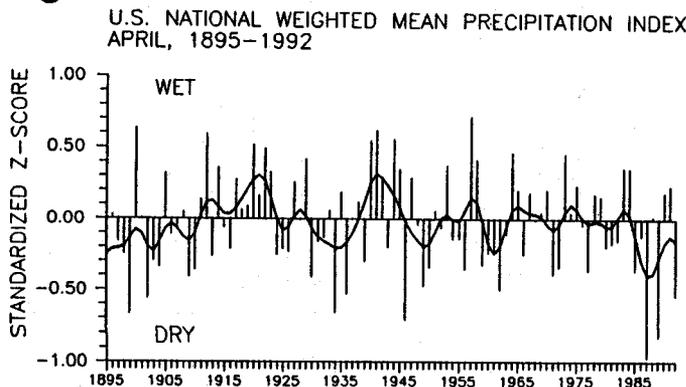


Figure 3

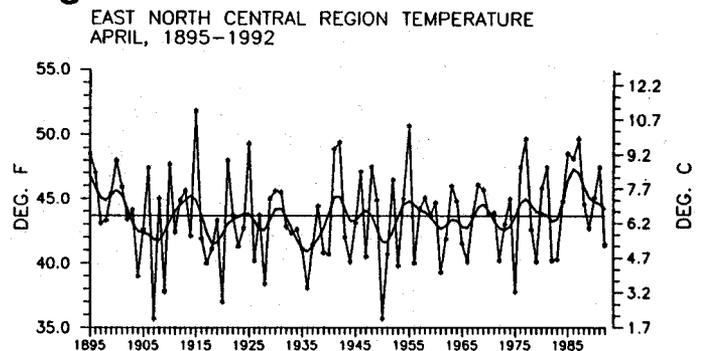


Figure 4

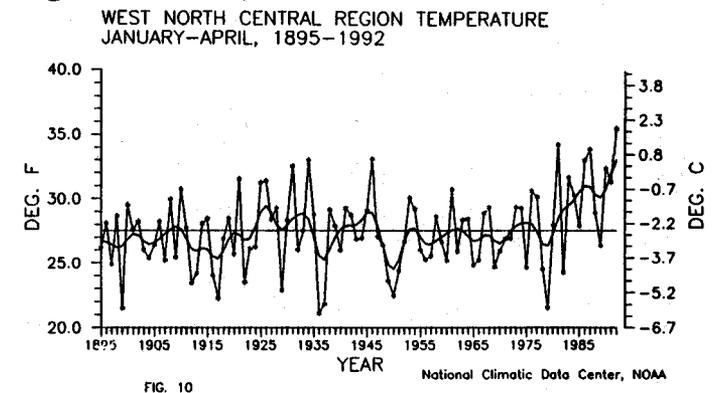
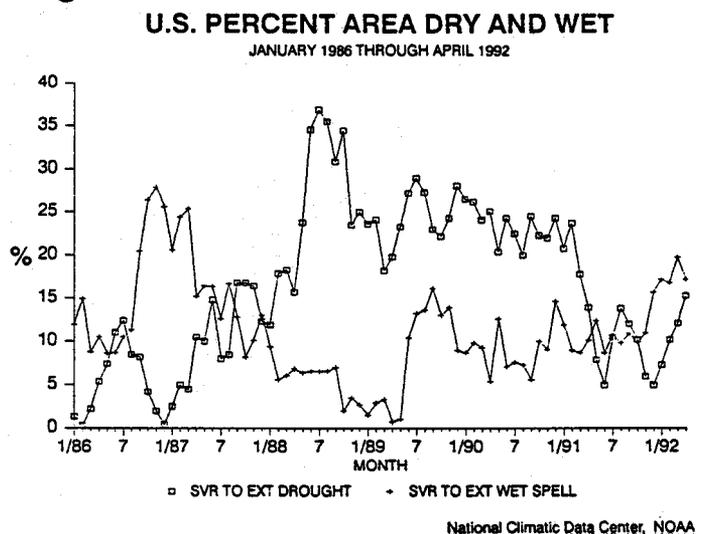


Figure 5



El Niño and Hawaiian Drought

Atmospheric changes associated with the present El Niño event have contributed to unusual dryness in Hawaii. Statistical studies have shown that, during an El Niño event, Hawaii is prone to drier-than-normal conditions between November of the onset year (for example, 1991) and May of the following year (for example, 1992). Hawaii lies at the northeasternmost fringe of an expansive zone that is typically affected by abnormal dryness during all, or part, of an El Niño event (fig. 1).

Since November 1, 1991, most Hawaiian locations have received less than half of the normal rainfall (fig. 2). Normals for the 6-month period vary greatly across the State. For example, Honolulu, on southern Oahu, typically receives about 500 mm (just under 20 inches), whereas Hilo, on the northeastern (windward) side of Hawaii Island, normally garners almost

2,000 mm (more than 75 inches). The current drought has adversely affected agriculture, forcing Hawaii and Maui Islands into irrigation water restrictions, and altering or restricting planting schedules. Many rain-fed pastures and grazing areas are critically dry, according to the State's agricultural summaries. Fortunately, some relief came to rain-fed crop areas northwest of Hilo during the past week.

Historical November to April rainfall data show an excellent correlation between El Niño events and Hawaiian drought (figs. 3, 4, and 5). In Lihue, 20 of the past 21 El Niño events, dating to 1905, have been accompanied by normal to below-normal rainfall. On 10 of those occasions, rainfall has been more than 200 mm below normal. Data for Hilo and Honolulu are similar, although El Niño events in 1957-58 and 1965-66 were marked by very wet conditions in Honolulu.

Figure 1 Potential Hawaiian Rainfall Impacts from El Niño (based on statistical correlations)

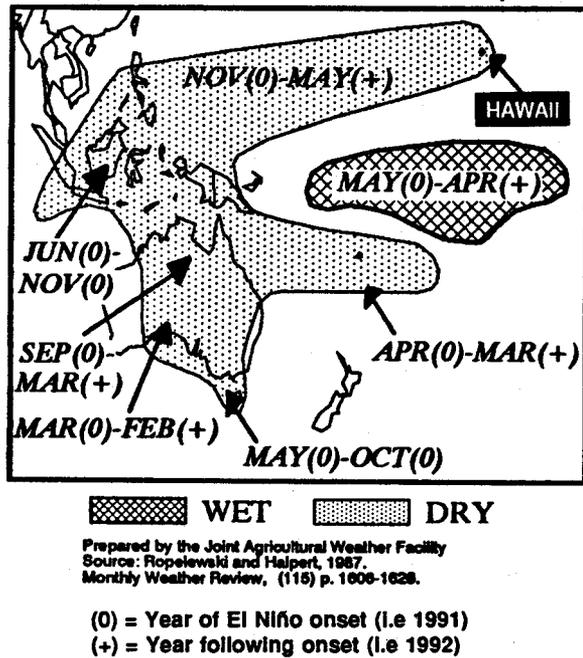
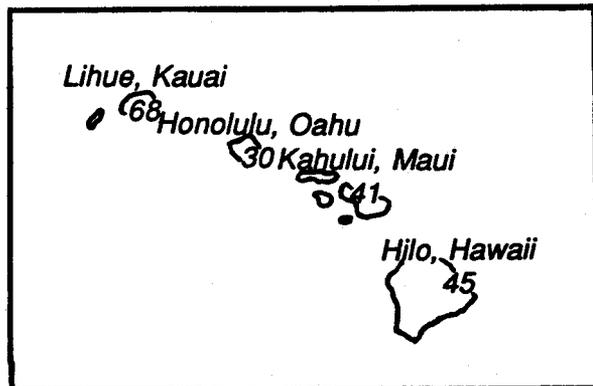
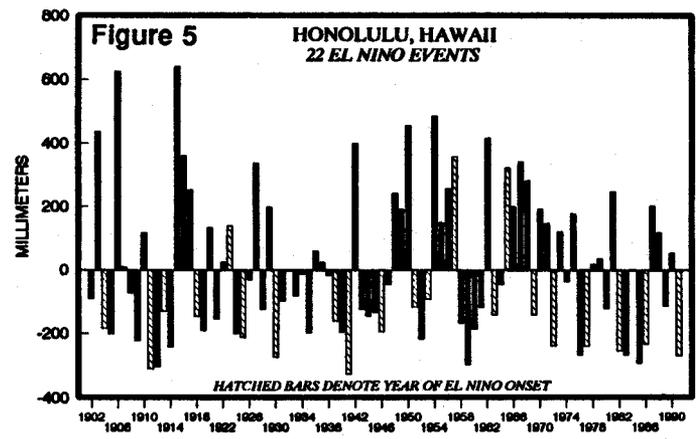
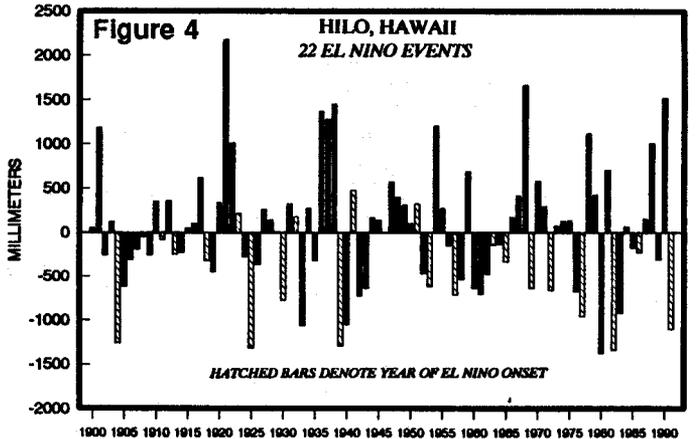
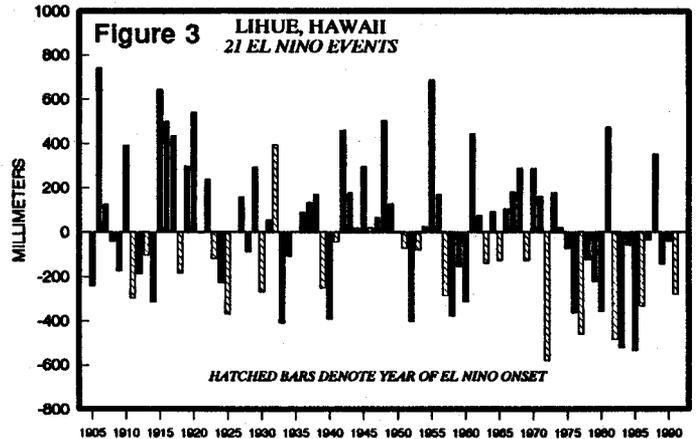


Figure 2 Percent of Normal Precipitation November 1, 1991 - April 30, 1992



DEPARTURE FROM NORMAL RAINFALL, NOV-APR



National Agricultural Summary

May 4 - 10, 1992

HIGHLIGHTS: Cool temperatures hampered seed germination and crop emergence in the East, while much-above-normal temperatures in the West advanced crop development. Storms delayed field activity in the East, and rains were welcomed from Arizona and New Mexico northward to the western Dakotas. Soil moisture remained short, however, in much of the Central United States.

SMALL GRAINS: Winter wheat condition ratings dropped to fair to good for the 19 major producing States, reflecting lower ratings in the Great Plains and Montana due to dry weather. Much of the acreage in the Midwest remained in very poor to poor condition resulting from winterkill. Winter wheat heading was evident on 51 percent (%) of the acreage in the 19 major States, 2 percentage points ahead of last year's crop, and 12 points ahead of the 5-year average. Heading was well advanced in the Southern States, and developing fast in the central Great Plains and middle Mississippi Valley. A few fields were harvested in south Texas. Spring wheat planting was approaching completion at 79% complete in the five major States, matching last year's progress and 2 points behind the historic average. With above-normal temperatures in the western half of the Nation encouraging germination, 49% of the spring wheat crop had emerged, compared with 43% last year and 46% average. In California, barley harvest began, with a lodging problem in some areas. Spring barley planting was virtually complete in the Pacific Northwest, decreasing in the Rocky Mountains, and in full swing in Minnesota and North Dakota. Planting of oats was well along in the Western and Central States, and underway in Maine.

CORN: Planting progress surged 43 points to 71% complete, as dry weather permitted field work in the Corn Belt. Planting progress was 25 points ahead of last year and 8 points ahead of the average. Planting was active in all of the major producing States and nearing completion in the Southeast, Texas, and middle Mississippi Valley.

SOYBEANS: Soybean planting was off to a fast start under good weather conditions. Planting progress reached 19% complete in the 19 major producing States, 9 points ahead of last year and 4 points ahead of the historic average. Planting was in full swing in the Corn Belt and gaining momentum further south.

COTTON: Cotton planting continued to outpace both last year and the average, reaching 57% complete in the 14 major producing States. This was 27 points ahead of last year and 12 points ahead of the average. Planting was nearing completion in the West and southern Delta, and in full swing elsewhere. Emergence and growth were slowed by cool weather in the East. Some light hail damage was reported in eastern Arizona, and grasshopper damage was occurring in Fresno County, CA.

GRAIN SORGHUM: Grain sorghum planting advanced to 33% complete in the 12 major States, compared with 24% last year and the average of 28%. Planting began in the northern Great Plains and gained momentum in the Central States.

RICE: Rice planting reached 85% complete in the five major producing States, 40 points ahead of last year, and 19 points ahead of the historic average. Planting was nearing completion in the Delta and Gulf, and in full swing in California. Sixty percent of the crop had emerged, compared with 31% last year and 19% average. Crop condition rated mostly fair in Arkansas and good to fair in Louisiana and Mississippi. Some rice fields were being reseeded in Arkansas due to dry, cool conditions.

OTHER FIELD CROPS: First cutting of alfalfa hay was becoming common in the southern longitudes and starting in the Pacific Northwest. Spring potatoes were being dug in California's Kern-Tulare district. Fall potato seeding was ending in the Pacific Northwest and beginning in Maine. Dry bean planting got underway in Colorado, Idaho, and Minnesota. Over-wintered sugar beet harvest was nearly complete in California, while seeding continued in the Northern States from Montana to Michigan. Dry pea and lentil seeding was virtually complete in Idaho and Washington. Sunflower and flaxseed planting began in Minnesota and the Dakotas.

FRUIT AND NUTS: Oranges, grapefruit, peaches, and tangerines continued to be picked in Arizona. Peaches, nectarines, apricots, cherries, and plums were being picked in California. California's navel orange harvest was ending and the Valencia orange harvest progressed. Valencia orange harvest was winding down in Florida and the grapefruit harvest was nearly over.

VEGETABLES: Green bean, lettuce, and onion harvests were active in Arizona. Artichokes, asparagus, broccoli, cauliflower, celery, lettuce, and onion harvests were active in California. California cauliflower and lettuce quality was variable due to insect damage. Vegetable harvests were nearly complete in southern Florida and continued to gain in the central and northern parts of the State. Florida's volume leaders were tomatoes, sweet corn, peppers, cucumbers, celery, and watermelon. Onion digging was over half complete in Georgia. Sweet corn and green pea planting was undertaken in Minnesota. New Jersey harvests of asparagus, leafy greens, broccoli, dill, and spinach were active. New Mexico's lettuce harvest was increasing, while some onions were lost from the previous week's rain in Texas.

PASTURES AND LIVESTOCK: Calving and lambing were nearly over and bulls were being turned out in the Western States. Tick, fly, and lice populations were becoming increasingly active. Most livestock had been moved off wheat pastures in Texas.

Crop Progress

for the Week Ending May 10, 1992

COTTON (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	86	73	51	77
AZ	85	72	84	91
AR	68	26	12	48
CA	95	90	95	93
GA	53	35	30	56
LA	94	86	6	58
MS	82	53	9	59
MO	53	15	27	52
NM	82	74	86	88
NC	40	15	62	47
OK	24	2	4	15
SC	54	31	52	53
TN	68	32	13	54
TX	38	23	25	26
14 States	57	38	30	45

These 14 States produced 99% of the 1991 cotton crop.

CORN (Percent Planted)

	Current	Last Wk	1991	Avg.
CO	72	37	53	54
GA	99	98	96	97
IL	81	33	74	78
IN	62	16	58	60
IA	86	22	28	68
KS	90	70	70	70
KY	72	60	65	60
MI	15	3	20	45
MN	78	21	19	59
MO	78	41	55	69
NE	81	38	44	63
NC	90	85	94	81
OH	45	6	70	68
PA	23	7	31	28
SD	62	13	19	38
TX	95	87	94	94
WI	36	5	18	37
17 States	71	28	46	63

These 17 States produced 94% of the 1991 corn crop.

GRAIN SORGHUM (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	84	71	37	56
CO	13	7	4	2
IL	12	3	12	13
KS	10	2	4	10
LA	70	61	51	61
MS	74	55	38	57
MO	36	17	11	22
NE	8	0	3	8
NM	10	5	31	NA
OK	12	7	11	9
SD	4	0	1	3
TX	70	66	61	62
12 States	33	25	24	NA
Excl. States with NA	33	26	24	28

NA - not available.

These 12 States produced 98% of the 1991 grain sorghum crop.

RICE (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	95	87	32	60
CA	30	15	30	34
LA	90	84	67	79
MS	89	78	18	67
TX	87	76	89	94
5 States	85	76	45	66

These 5 States produced 97% of the 1991 rice crop.

RICE (Percent Emerged)

	Current	Last Wk	1991	Avg.
AR	66	47	18	29
CA	2	0	2	3
LA	78	70	62	68
MS	61	43	14	42
TX	60	43	72	78
5 States	60	45	31	41

These 5 States produced 97% of the 1991 rice crop.

SOYBEANS (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	14	NA	6	13
AR	12	NA	3	5
GA	2	NA	8	13
IL	31	NA	25	25
IN	20	NA	23	22
IA	24	NA	3	12
KS	10	NA	5	10
KY	10	NA	5	7
LA	12	NA	1	7
MI	5	NA	5	5
MN	26	NA	2	17
MS	17	NA	2	8
MO	15	NA	3	10
NE	10	NA	3	9
NC	8	NA	12	7
OH	14	NA	26	25
SC	6	NA	4	4
SD	8	NA	1	7
TN	8	NA	1	6
19 States	19	NA	10	15

These 19 States produced 95% of the 1991 soybean crop.

SPRING WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
ID	98	96	84	92
MN	66	47	92	91
MT	89	84	72	79
ND	72	49	72	75
SD	100	98	96	96
5 States	79	63	79	81

These 5 States produced 87% of the 1991 spring wheat crop.

SPRING WHEAT (Percent Emerged)

	Current	Last Wk	1991	Avg.
ID	89	77	58	69
MN	34	15	75	61
MT	54	32	17	41
ND	37	16	34	34
SD	93	63	77	80
5 States	49	27	43	46

These 5 States produced 87% of the 1991 spring wheat crop.

(Continued to back cover)

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 mostly under 0.30 in.; near 0.50 in. isolated areas east. Temperatures 7 to 12° below normal. Highs mid 80s. Lows 40s; 30s colder locations.

Days suitable for fieldwork 6.4. Soil moisture 88% short, 12% adequate. Cool temperatures hampered seed germination, emergence. Row crops, pastures stressed by dry conditions. Some frost damage to cotton. Acreage intended for spring planting 92% prepared, 80% 1991, 88% avg. Fieldwork progress 77% on schedule; 10% behind normal, 3 days avg.; 13% ahead of normal, 7 days avg. Corn 98% planted, 83% 1991, 92% avg.; 5% poor, 57% fair, 34% good, 4% excellent. Sorghum 31% planted, 31% 1991, 36% avg.; 12% poor, 35% fair, 53% good. Cotton 86% planted, 51% 1991, 77% avg.; 6% poor, 75% fair, 19% good. Peanuts 56% planted, 52% 1991, 56% avg.; 75% fair, 4% good, 21% excellent. Soybeans 14% planted, 6% 1991, 13% avg. Winter wheat 97% headed, 98% 1991, 94% avg.; 36% turning color, 46% 1991, 45% avg.; 25% fair, 75% good. Pastures 2% very poor, 3% poor, 42% fair, 50% good, 3% excellent. Livestock 20% fair, 76% good, 4% excellent. Primary activities: Harvesting hay; planting corn, cotton, peanuts, sorghum, soybeans, vegetables; preparing land; cultivating cotton; applying lime, fertilizer, herbicides; pruning, spraying fruit orchards; harvesting spring potatoes; general care of livestock, poultry, catfish.

ALASKA: Railbelt wide, cool temperatures dominated with rain, snow falling mid to late week. High temperature 4° cooler than normal to 5° above normal. Lows 2 to 20° below normal.

Days suitable for fieldwork 2.0. Topsoil 7% short, 65% adequate, 28% surplus. Subsoil 4% short, 83% adequate, 13% surplus. Fieldwork progress on schedule to 10 days behind due to wet fields, lingering snow. Small grain seeding, commercial potato growers cutting seed potatoes in preparation for planting. Local hay 37% short, 55% adequate, 8% surplus. Livestock good shape coming out of winter.

ARIZONA: Scattered showers, thunderstorms 3rd, 4th, east. Thunderstorms, high winds 5th, 6th, statewide. Showers, 7th, north; 8th, northeast; 9th, statewide. Rainfall 0.03 in. south central to 1.99 southeast. Temperature 1 to 9° above normal. Extremes 34°; 86°, higher elevations, 46°; 101° deserts.

Cotton planted 85%, 84% 1991, 91% avg. Planting delayed east, rain. Light hail damage, east. Cotton good, weeds, insects light. Alfalfa condition mostly good; weeds, insects light to moderate statewide; harvest, mostly moderate. Light rain damage statewide, moderate, east. Small grains heading, 99%, 98% 1991, 98% avg.; turning color, 78%, 71% 1991, 67% avg. Condition excellent. Oranges, grapefruit, peaches harvested, west, central. Green beans harvested, west. Lettuce, red, chipper potatoes, dry onions, tangerines, mixed vegetables harvested, central.

ARKANSAS: Temperatures well below normal, no rainfall. Extremes 31°; 88°.

Days suitable for fieldwork 7. Soil moisture supplies 81% short, 19% adequate. Main farming activities for week; Planting, land preparation, flushing rice, pasture weed control, cutting hay, working cattle. Rice being reseeded due to dry, cool conditions. Wheat fair to good. Army worms reported in southeast. Cool weather slowed cotton growth. Cotton emerged 25%, 2% 1991, 22% avg. Soybeans planted 12%, 3% 1991, 5% avg. Grain sorghum emerged 84%, 37% 1991, 56% avg. Sorghum 59% fair, 41% good. Some reports of chinch bugs in east central. Corn planted 99%, 91% 1991, 91% avg. Corn 27% fair, 66% good, 7% excellent. Livestock good. Producers continue

to spray for ticks, flies. Pastures in good condition. Pasture growth thin in northwest, north central due to dry conditions. Hay, first cutting in southwest, west central.

CALIFORNIA: Strong high pressure warmed temperatures to new records early in the week. A low pressure system off the south coast brought thunderstorms to the Sierra Nevada Mountains. Late in the week temperatures cooled in the south to normal levels.

Open weather permitted progress field activities. Small grains maturing, many fields final irrigation. Barley harvest underway, lodging problem some areas. Rice planting active. Fertilizer, herbicides, water weevil treatments applied. Cotton planting winding down most areas. Warm temperatures aiding germination, emergence. Grasshopper damage Fresno County. Alfalfa, barley, oats cut hay, green chopped. Corn, dry beans planted, cultivated, fertilized, irrigated. Over wintered sugarbeet harvest nearly complete. Safflower growing well, some blooming. Alfalfa sprayed broadleaf weeds, weevils. Pest control continued, vineyards. Grape crop seven, ten days ahead normal, Tulare. Appearance good. Harvest, packing peaches, nectarines, apricots Fresno, Tulare, Desert areas. First plums harvested, Fresno. Cherries harvested, packed. Tree fruit maturing, coloring, sizing well. Peach, nectarine orchards treated control worms. Orchard thinning continued. Valencia orange harvest progressed, good quality. Navel orange harvest winding down. South coast area lemons, picked. Bloom continued pomegranate, olive trees. Kiwifruit last stages bloom. Artichoke harvest active central coast. Asparagus cutting declined Firebaugh district, continued active Sacramento Valley, Delta, Salinas Valley. Broccoli movement moderate Salinas Watsonville, Santa Maria; good quality. Cauliflower supplies fairly light Salinas Watsonville, light Santa Maria; variable quality due insect problems. Celery packing moderate south districts, variable quality. Iceberg lettuce volume moderate Salinas Watsonville, Santa Maria; variable quality due to insect problems. Leaf, Romaine lettuce harvests fairly light Salinas Watsonville. Spring onion digging continued desert area. Sugar pea harvest nearly complete Kern Tulare area. Seeding 1992 fall potato crop active Tulelake Butte Valley, spring potato harvest continued Kern Tulare district. Strawberry harvest slowing Eastside area; continued strong, variable quality central coast, south districts. Tomatoes processing, fresh market progressing well. Planting continued beans, melons, peppers, sweet potatoes, tomatoes. Range, pasture conditions remained good to excellent. Grasses starting to dry, turn brown some areas. Winds, high temperatures increased drying. Cattle movement from winter pasture active. Water supplies moderate to light. Sheep grazing stubble.

COLORADO: Clear, dry weather over State on 4th. On 5th, moisture began moving over the State bringing clouds, a few afternoon showers. Rainfall through the 8th was spotty, light with daily amounts mostly 0.10 in. or less. On the 9th, a front from the west triggered more significant rainfall with amounts of 0.25 in. common, considerable wind, lightning. Temperature 4 to 6° above avg. in the San Luis Valley, west of the Divide, 6 to 9° above average east of the Divide.

Days suitable for fieldwork 6.6. Soil moisture 17% very short, 50% short, 33% adequate. Barley seeded 92%, 85% 1991, 90% avg.; emerged 66%. Oats seeded 83%, 79% 1991, 85% avg.; emerged 62%. Spring wheat seeded 64%, 70% 1991, 73% avg.; emerged 27%. Dry onion, sugarbeet planting nearly complete. Dry bean planting just underway. Summer

potatoes 89% planted, 77% 1991 74% avg.; Fall potatoes 35% planted, 10% 1991, 18% avg. Sorghum planted 13%, 4% 1991, 2% avg. Corn planted 72%, 53% 1991, 54% avg. Winter wheat headed 8%, 0% 1991, 1% avg. Winter wheat 6% very poor, 15% poor, 38% fair, 37% good 4% excellent. Livestock mostly good. Pasture, range feed fair.

FLORIDA: Temperatures 7 to 11° below normal. Lows; around 40° across north, middle 40s central, interior south. Highs; upper 80s over State, with low 90s at few locations. Rainfall under 0.25 in. most locations, with isolated locations reporting 0.50 to 1.55 in.

Soil moisture short to adequate throughout State. Peanut planting winding down. Cotton in some areas being planted in dry soil. Making preparations to start winter wheat harvest, planting soybeans. Corn, tobacco, sugarcane making good progress. Citrus groves, trees very good condition. Rain needed, irrigation in use all areas. Trees still shedding unwanted green fruit. Valencia oranges remaining to be picked have very high pounds solids, slowing as supplies are limited. Grapefruit harvest almost complete for the year. Caretakers cutting cover crops, finishing post bloom sprays and completing hedging, topping. Cool temperatures returned at weeks end over major vegetable producing areas. Crop growth, development slowed. Rainfall limited to mostly widely scattered showers. Harvest near complete southern areas, continued to gain central, northern areas. Volume leaders: tomatoes, potatoes, sweet corn, peppers, cucumbers, celery, watermelon. Also available: snapbeans, cabbage, carrots, eggplant, escarole, lettuce, radishes, squash, cherry tomatoes. Homestead tomato harvest complete. State's pastures fair to good. Pasture ratings, 65% fair, 35% good. Moisture levels short to adequate. State's cattle herds fair to good.

GEORGIA: Unusually cold week. Temperatures 8 to 12° below normal. Coldest temperatures mostly 40s with mid to upper 30s common mountains. Warmest temperatures on 10th, maximums near 80° mountains, few upper 80s central, south. Occasional rain at mid to late week, mainly north, east. Heaviest over northeast, totals 1.00 to 2.00 in. or more. A once in 100 year snow, for this late in the season, over higher elevations of northeast on 7th, local totals up to 3 in. Very little rain central, south.

Days suitable for fieldwork 5.3. Soil moisture 10% very short, 48% short, 36% adequate, 6% surplus. Corn 5% poor, 49% fair, 44% good, 2% excellent. Cold temperatures slowing growth. Cotton 1% poor, 80% fair, 19% good. Planting active north, dry soils south, slowing germination. Sorghum 47% fair, 53% good; 27% planted, 34% 1991, 35% avg. Peanuts 2% poor, 41% fair, 57% good; 58% planted, 43% 1991, 67% avg.; dry soils slowing planting and germination. Soybeans 1% poor, 72% fair, 27% good; little planting progress, cold weather. Tobacco 70% fair, 29% good, 1% excellent; some blooming prematurely. Other small grains 4% poor, 27% fair, 69% good; onions 10% fair, 90% good; 60% harvested, 76% 1991. Watermelons 21% poor, 42% fair, 37% good; 95% planted, 95% 1991, 96% avg.; suffering from cold temperatures. Other vegetables 15% poor, 54% fair, 31% good. Apples 1% poor, 16% fair, 83% good. Peaches 1% very poor, 2% poor, 60% fair, 37% good; 4% harvested, 8% 1991, 10% avg. Pasture 4% poor, 34% fair, 61% good, 1% excellent. Cattle, hogs good. Activities: Planting row crops, fertilizing pastures, baling hay.

HAWAII: Scattered rains occurred on all islands, benefiting agriculture. Water restrictions lifted on Hawaii island, remained in effect on Maui. Water conservation warning issued Oahu island. Drought emergency declared Hawaii island as dry weather punishes pastures, major grazing areas. Declaration triggered emergency feed program. Gusty winds to 40 mph blew across the islands on 7th. Temperatures mid 60s to mid 80s. Record low temperature for May 9. Rainfall none to 10.50 in.

Days suitable for fieldwork 7.0. Banana production continued at near normal levels, papaya supplies were low. Watermelon, sweet corn plantings benefited from longer day lengths. Sugarcane growers concerned continued dry weather will adversely affect next year's crop.

IDAHO: Statewide temperatures 6 to 18° above normal. Rexburg, Grangeville were the only stations across State to report precipitation.

Days suitable for fieldwork 7. Soil moisture 22% very short, 21% short, 57% adequate. Spring barley planted 97%, 80% 1991, 90% avg.; emerged 82%, 51% 1991, 67% avg. Oats planted 90%, 60% 1991, 79% avg.; emerged 75%, 36% 1991, 51% avg. Sugarbeets emerged 86%, 66% 1991, 77% avg. Potatoes planted 78%, 46% 1991, 61% avg.; emerged 7%, 4% 1991, 6% avg. Onions emerged 100%, 93% 1991, 95% avg. Lentils planted 95%, 64% 1991, 79% avg. Dry peas planted 97%, 68% 1991, 87% avg.; emerged 80%, 16% 1991, 47% avg. Field corn planted 45%, 42% 1991, 51% avg. Dry beans planted 6%, 2% 1991, 2% avg. Irrigation water supplies 19% very poor, 29% poor, 23% fair, 29% good. Activities: Cultivating, irrigation, planting. Pasture, range condition 76% of normal. Hay, roughage supplies mostly adequate. Livestock good.

ILLINOIS: State experienced a wide range of temperatures during the week. Temperatures mid 30s to upper 60s across the State. Precipitation across State 0.02 to 0.50 in.

Winter wheat 41% good, 35% fair, 10% poor, 14% very poor. Alfalfa 3% excellent, 57% good, 35% fair, 4% poor, 1% very poor. Oats 3% excellent, 78% good, 18% fair, 1% poor. Soil moisture was mostly adequate.

INDIANA: Temperatures 1 to 6° below normal. Highs 70s to 80s. Lows, lower to mid 40s. Precipitation none to 0.40 in.

Days suitable for fieldwork 6.4. Topsoil 33% short, 65% adequate, 2% surplus. Subsoil 25% short, 73% adequate, 2% surplus. Corn emerged 10%, 18% 1991, 26% avg. Wheat 14 in. high, 18 in. 1991, 16 in. avg. Wheat 71% jointed, 81% 1991, 79% avg. Oats 97% seeded, 93% 1991, 92% avg. Oats 5 in. high, 5 in. 1991, 5 in. avg. Pasture condition 82%, 78% last week, 98% 1991. Excellent planting progress, very dry conditions in some areas.

IOWA: Temperatures near normal east to 5° above normal northwest. Extremes 26°; 87°. Precipitation none to 1.14 in.; average only 0.04 in.

Days suitable for fieldwork 7.0. Topsoil 55% short, 45% adequate. Subsoil 96% adequate, 4% surplus. Winter wheat 5% very poor, 21% poor, 39% fair, 32% good, 3% excellent. Hay 5% very poor, 13% poor, 35% fair, 42% good, 5% excellent. Oats 2% poor, 37% fair, 57% good, 4% excellent. Pasture 89% of normal. Oats 90% emerged, 79% 1991, 91% avg. Corn 86% planted, 28% 1991, 68% avg. Corn 8% emerged, 2% 1991, 15% avg. Soybeans 24% planted, 3% 1991, 12% avg. Seedbed preparation 90% completed, 74% 1991, 92% avg. Fertilizer application 93% completed, 76% 1991, 93% avg. Livestock good.

KANSAS: Temperatures 1° below normal in northeast to 8° above normal in northwest. Little or no rain fell over the State; 0.05 in. at most.

Days suitable for fieldwork 6.5. Surface moisture 78% short, 22% adequate. Subsurface moisture 53% short, 47% adequate. Conditions very dry. Wheat condition declining. Corn emergence slowed because of dry conditions. Sorghum and soybean planting on par with avg. Cattle on pasture. Pasture forage adequate many areas, short in parts of west, central areas. Stockwater short in central third of State. Approximately 15% of alfalfa cut first time.

KENTUCKY: Temperatures around 53°. Maximum temperatures 63 to 67°, lows 40 to 43°. Precipitation 0.80 in.; east received most rain with average of 1.40 in. West received average of 0.20 in.

Days suitable for fieldwork 4.4. Soil moisture 3% very short, 36% short, 58% adequate, 3% surplus. Some concern over dry conditions. Cool weather delayed tobacco transplanting. Plants in beds 24%

greater than 4 in., 37% 2 to 4 in., 39% under 2 in. Corn emerged condition worsened from cold, 1% very poor, 5% poor, 41% fair, 49% good, 4% excellent. Wheat 1% very poor, 1% poor, 28% fair, 61% good, 9% excellent. Hay condition fair, first cutting beginning.

LOUISIANA: Temperatures 4.7° to 6.5° below normal. Extremes 39°; 88°. Rainfall none most areas to 0.67 in. southwest.

Days suitable for fieldwork 6.2. Soil moisture 9% very short, 26% short, 63% adequate, 2% surplus. Corn 44% fair, 56% good; 100% emerged, 97% 1991, 94% avg. Cotton 73% emerged, 5% 1991, 42% avg. Rice fertilizing, spraying, active, southwest. Hay 17% first cutting, 7% 1991, 17% avg. Spring plowing 93% complete, 75% 1991, 89% avg. Sorghum 54% emerged, 46% 1991, 48% avg. Soybeans 6% emerged, 1% 1991, 2% avg. Sugarcane 1% fair, 99% good. Sweet potatoes 8% planted, 8% 1991, 12% avg. Wheat 3% poor, 47% fair, 50% good; 100% headed, 91% 1991, 97% avg; 66% turning color, 68% 1991, 63% avg; 4% harvested, 1% 1991, 1% avg. Harvesting to start soon. Livestock 22% fair, 74% good, 4% excellent. Pastures, 2% fair, 98% good. Fertilizing, spraying active. Vegetables, 3% poor, 33% fair, 61% good, 3% excellent. Growth of most crops slow due to record cool nights.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.87 in. Temperature 57.2°, normal 60.9°. Extremes 32°; 92°.

Days suitable for fieldwork 4.4. Topsoil 15% short, 71% adequate, 14% surplus. Subsoil 18% short, 77% adequate, 5% surplus. Corn 63% planted, 55% 1991, 47% avg. Sweet corn 33% planted, 48% 1991, 39% avg. Green peas 80% planted, 89% 1991, 98% avg. Spring oats 87% planted, 91% 1991, 91% avg. Field preparation 76%, 82% 1991, 77% avg. Small grains mostly good condition, barley 89% headed, rye 80%, wheat 18%, oats beginning to head. Pastures mostly good to excellent. Hay short supply. Cutting, feeding rye, hay as green chop to dairy cows. Apples, strawberries late blooming. Very light activity for the week due to overcast skies and rain.

DELAWARE: Precipitation 2.58 in. Temperature 56.0°, normal 61.1°. Extremes 36°; 84°.

Days suitable for fieldwork 4.9. Topsoil 20% short, 60% adequate, 20% surplus. Subsoil 20% short, 80% adequate. Corn 80% planted, 49% 1991, 56% avg. Sweet corn 59% planted, 45% 1991, 49% avg. Field preparation 95%, 78% 1991, 75% avg. Small grains mostly good, barley 90% headed, 96% 1991, 80% avg.; rye 93% headed, 99% 1991, 74% avg. Pastures good. Apples 89%, strawberries 60% blooming. Activities: Active corn planting; planting melons, snap beans.

MICHIGAN: Temperatures 5° above to 5° below normal. Extremes 18°; 82°. Precipitation none to 0.49 in. across the State.

Days suitable for fieldwork 6.3. Soil moisture 10% short, 70% adequate, 20% surplus. Corn 15% planted, 20% 1991, 45% avg. Oats 50% planted, 60% 1991, 85% avg. Potatoes 30% planted, 50% 1991, 40% avg. Soybeans 5% planted, 5% 1991, 5% avg. Sugarbeets 75% planted, 99% 1991, 85% avg. Winter wheat 0% headed, 0% 1991, 0% avg.; 5% very poor, 10% poor, 30% fair, 40% good, 15% excellent. Pasture condition 80% of normal. Major activities: Spreading fertilizer, hauling manure, weed spraying, spring planting.

MINNESOTA: Temperatures 3 to 9° above normal. Extremes 23°; 93°. Precipitation 0.17 in. above normal in the northeast; 0.22 to 0.76 in. below normal elsewhere.

Days suitable for fieldwork 6.3. Topsoil moisture 5% very short, 38% short, 51% adequate, 6% surplus. Spring wheat 66% planted, 92% 1991, 91% avg.; 34% emerged, 75% 1991, 61% avg. Oats 90% seeded, 80% 1991, 91% avg; 45% emerged, 53% 1991, 67% avg. Barley 60% seeded, 90% 1991, 86% avg.; 28% emerged, 45% 1991, 44% avg. Corn 91% ground prepared, 45% 1991, 77% avg.; 78% planted 19% 1991 59% avg. Soybean 54% ground prepared, 14% 1991, 43% avg.; 26% planted, 2% 1991, 17% avg. Sunflower 10% planted, 10% 1991, 18% avg.

Sugarbeets 78% planted, 54% 1991, 83% avg. Potatoes 37% planted, 17% 1991, 38% avg. Flaxseed 6% planted, 12% 1991, 21% avg. Dry Beans 12% planted, 7% 1991, 13% avg. Sweet corn 35% planted, 3% 1991, 28% avg. Green peas 75% planted, 38% 1991, 66% avg.

MISSISSIPPI: Temperature 64°, 6 below normal. Extremes 35°; 92°. Rainfall 0.01 in., 1.20 below normal. Soil temperature 73°.

Days suitable for fieldwork 6.6, 0.5 1991, 3.7 avg. Soil moisture 24% very short, 67% short, 9% adequate. Corn 96% planted, 62% 1991, 84% avg.; 89% emerged, 60% 1991, 73% avg.; 9% poor, 31% fair, 60% good. Cotton 82% planted, 9% 1991, 59% avg.; 54% emerged, 6% 1991, 41% avg.; 4% very poor, 30% poor, 56% fair, 10% good. Peanuts 40% planted, 21% 1991, 38% avg. Rice 89% planted, 18% 1991, 67% avg.; 61% emerged, 14% 1991, 42% avg.; 15% poor, 44% fair, 41% good. Sorghum 74% planted, 38% 1991, 57% avg.; 62% emerged, 33% 1991, 42% avg.; 52% fair, 48% good. Soybeans 17% planted, 2% 1991, 8% avg.; 10% emerged, 1% 1991, 4% avg.

Sweet potatoes 30% planted, 20% 1991, 30% avg. Watermelons 82% planted, 80% 1991, 81% avg. Wheat 98% heading, 96% 1991, 97% avg.; 9% mature, 19% 1991, 13% avg.; 26% fair, 74% good. Peaches 6% harvested, 1% 1991, 1% avg.; 3% very poor, 33% poor, 26% fair, 38% good. Livestock 1% poor, 11% fair, 82% good, 6% excellent. Pasture 88% of normal. Activities: Planting row crops, applying fertilizer.

MISSOURI: Temperatures 2° below normal north to 6° below normal south. Entire week virtually dry, only a few counties showing minor showers.

Days suitable for fieldwork 6.5. Topsoil 49% short, 50% adequate, 1% surplus. Subsoil 26% short, 72% adequate, 2% surplus. Rain needed to germinate newly planted crops. Corn planting ranges 67% northeast to 100% southeast. Soybean planting varies 11% southwest to 18% northeast. Sorghum planting ranges about 12% central, north central, northeast to 60% southeast. Wheat headed ranges 6% northern districts to 89% southeast. Alfalfa first cutting 8%, 7% 1991, 8% avg. Ground worked at least once for spring crops 90%, 86% 1991, 86% avg. Pasture 1% very poor, 19% poor, 50% fair, 29% good, 1% excellent.

MONTANA: Temperatures 10 to 15° above normal with only slight precipitation.

Days suitable for fieldwork 6.9. Topsoil 65% short, 34% adequate, 1% surplus. Subsoil 61% short, 38% adequate, 1% surplus. Barley planted 88%, 63% 1991, 77% avg.; emerged 52%, 22% 1991, 41% avg. Oats planted 82%, 52% 1991, 69% avg. Sugarbeets planted 94%, 88% 1991, 90% avg. Corn planted 70%, 32% 1991, 47% avg. Potatoes planted 56%, 9% 1991, 17% avg. Pasture, range feed conditions 77%. Cattle, calves moved to summer ranges 41%, sheep, lambs 39% moved.

NEBRASKA: Temperatures 3 to 9° above normal. Rainfall remained light except for a few reports between 0.50 to 1.50 in. with widely scattered thunderstorms on 10th.

Days suitable for fieldwork 7.0. Topsoil 74% short, 26% adequate. Subsoil 26% short, 73% adequate, 1% surplus. Wheat 6% very poor, 23% poor, 54% fair, 17% good; 92% jointed, 58% 1991, 72% avg.; 1% headed, 0% 1991, 4% avg. Corn planted 81%, 44% 1991, 63% avg. Sorghum planted 8%, 3% 1991, 8% avg. Soybeans planted 10%, 3% 1991, 9% avg. Condition of alfalfa 2% poor, 33% fair, 59% good, 6% excellent. Pasture, range 80% of normal.

NEVADA: Moist, unstable airmass from southwest dominated weather pattern. Scattered shower activity over entire State at times, most rainfall light. High temperatures well above normal. Extremes 21°; 98°.

Spring wheat 70% planted, 80% 1991, 75% avg.; oats 85% planted 60% 1991, 65% avg.; barley 90% planted, 80% 1991, 75% avg.; potatoes 90% planted, 95% 1991, 55% avg. Irrigation water supplies 30% very short, 20% short, 50% adequate. Small grains mostly fair. Alfalfa hay mostly good. Pasture, range condition generally poor, stockwater shortages some areas. Calving, lambing, shearing about complete.

NEW ENGLAND: Precipitation none to 0.65 in. throughout region, southwestern New Hampshire up to 1.20 in. Temperatures mid 40s to mid 50s south, 0 to 7° below normal. Maximum temperatures high 60s to high 70s; minimum temperatures low 20s to high 30s.

Days suitable for fieldwork 5.4. Soil moisture 14% short, 77% adequate, 9% surplus. Available grazing 14% very short, 50% short, 36% adequate. Fieldwork progress 7 days behind schedule. Maine potatoes 13% planted, 21% 1991, 18% avg.; good. Rhode Island potatoes 38% planted, 49% 1991, 49% avg.; good. Connecticut River Valley potatoes 38% planted, 43% 1991, 49% avg.; good. Maine oats 5% planted, 25% 1991, 24% avg.; good. Field corn 9% planted, 27% 1991, 15% avg.; good. Sweet corn 12% planted, 28% 1991, 21% avg.; 2% emerged, 8% 1991, 13% avg.; good. Hay condition good in south, fields starting to green in north, extensive winterkill in many northern areas. Apples, pears bud stage, peaches bud to early bloom. Blueberries, cranberries, strawberries bud stage. Cranberries changing foliage color from red to green. Major farm activities: Plowing, spreading manure, fertilizing, field preparation, planting crops where weather conditions permit.

NEW JERSEY: Temperatures much below normal. Extremes 28°; 75°. Rainfall 0.84 in. north, 1.30 in. central; 1.96 in. south. Heaviest 24 hour total 2.50 in. on 8th, 9th. Estimated soil moisture, in percent field capacity, averaged 91% north, 81% central, 83% south. Four inch soil temperatures 52° north, 53° central, 54° south.

Field preparation, planting continued when weather permitted. Soil moisture content good. Light harvest of asparagus, leafy greens, broccoli rabe, dill continued. Spinach volume good; leek, parsley supply moderate. Planting of sweet corn, cabbage, endive, escarole continued. Planting of squash, cucumbers, melons, pickles remained active. Tomato, pepper transplanting continued. Peaches in petal fall stage. Apple bloom continued on early varieties. Light bloom on blueberries, strawberries. Wintered over rye, wheat, pastures condition good.

NEW MEXICO: Cool, showery weather highlighted the week. Nearly all areas received precipitation during the week. Amounts were rather heavy in the northwestern plateau, the southern desert, where weekly amounts totaled over 1.00 in. Cloudy, damp weather held weekly average temperatures at near normal readings, or 6 to 8° cooler than the week before.

Days suitable for fieldwork 6.3. Soil moisture 35% short, 65% adequate. Crop conditions: Alfalfa, 6% poor, 24% fair, 67% good, 3% excellent. Cotton 50% fair, 50% good. Corn 22% fair, 78% good. Irrigated wheat, 12% fair, 88% good, dryland wheat 11% poor, 22% fair, 67% good. Wheat crop is 98% headed. Onions, lettuce good, lettuce harvest increasing. Chile 27% fair, 73% good. Cattle, sheep fair to good, showing improvement. Range, pasture 90% of normal.

NEW YORK: Week characterized by light precipitation, below normal temperatures. A frost occurred from the 4th through the 7th. Most damaging was on morning of 7th with widespread readings at or below freezing. A dramatic warmup followed for the end of the week. Extremes 28°; 79°. Scattered light rain fell on the 3rd, 5th, 6th. Light snow fell in higher elevations on 5th. Heavier rain fell on the 8th. Showers, thunderstorms widely scattered on 9th.

Days suitable for fieldwork 4.2. Soil moisture mostly adequate to surplus. Wetness continued to slow planting progress. Corn planting 9% complete, 13% 1991, 13% avg. Oats 37% seeded, 51% 1991, 59% avg. Pasture condition 87% of normal. Hay in fair to good condition, wheat mostly good. Onion planting in Orange County neared completion, sweet corn was 25% planted, lettuce 50%. Cabbage transplanted as field conditions permitted. Sweet corn, lettuce planting getting underway in Oswego County. Apples in Hudson Valley began blooming. Many varieties in bloom, creating favorable cross

pollination conditions. Peaches at or near petal fall stage. Pear bloom beginning. Sweet, tart cherries at full bloom.

NORTH CAROLINA: Unseasonably cold; temperatures up to 10° below normal. Heavy snow in the mountains; 60 in. some areas. Thunderstorms, gale force winds, flooding in coastal regions.

Days suitable for fieldwork 3.9. Soil moisture 9% short, 66% adequate, 25% surplus. Crop condition: Wheat 1% poor, 6% fair, 91% good, 2% excellent; oats 8% fair, 91% good, 1% excellent; barley 8% fair, 90% good, 2% excellent; rye 8% fair, 91% good, 1% excellent. Pasture 1% poor, 18% fair, 81% good; tobacco 1% poor, 38% fair, 61% good; tobacco plant beds 1% poor, 14% fair, 81% good, 4% excellent; corn 38% fair, 62% good; hay 35% fair, 64% good, 1% excellent. Irish Potatoes 16% fair, 80% good, 4% excellent; peaches 22% very poor, 22% poor, 39% fair, 17% good. Truck Crops 49% fair, 51% good. Corn Planted 90%, 94% 1991, 81% avg.; Cotton Planted 40%, 62% 1991, 47% avg.; Peanuts Planted 32%, 39% 1991, 24% avg. Sorghum planted 29%, 30% 1991, 26% avg.; Soybeans Planted 8%, 12% 1991, 7% avg.; flue cured tobacco transplanted 78%, 80% 1991, 59% avg. Wheat headed 88%, 93% 1991, 83% avg. Tobacco plant bed supplies 87% adequate, 13% surplus. Hay, roughage supplies 3% short, 95% adequate, 2% surplus. Hay first cutting 21%. Livestock feed from pastures 75%. Major activities: Land preparation; planting corn, cotton, sorghum, soybeans, peanuts, truck crops; transplanting flue cured tobacco, sweet potatoes. Other activities: Tending tobacco beds; topdressing, spraying small grains; fertilizing pastures; harvesting hay; tending livestock; cultivating corn, tobacco.

NORTH DAKOTA: Hot, windy, dry across most of State. Statewide temperatures 7° above normal northeast, east central to 11° above normal southwest, south central. Extremes 26° northeast; 94° east central, south central. Precipitation none most of State to 0.30 in. northwest.

Days suitable for fieldwork 6.3. Topsoil 7% very short, 46% short, 47% adequate. Subsoil 8% very short, 36% short, 56% adequate. Hard red spring wheat 72% planted, 37% emerged and beyond; 72%, 34% 1991, 75%, 34% avg. Durum wheat 45% planted, 11% emerged and beyond; 48%, 14% 1991, 56%, 17% avg. Oats 73% planted, 40% emerged and beyond; 63%, 27% 1991; 69%, 31% avg. Barley 68% planted, 34% emerged and beyond; 76%, 37% 1991, 75%, 34% avg. Winter wheat 89% emerged thru stool, 11% jointing and beyond; 82%, 18% 1991; 80%, 20% avg.; 41% fair, 59% good. Sugarbeets 82% planted, 74% 1991, 89% avg.; corn 36%, 21% 1991, 25% avg.; flax 14%, 14% 1991, 15% avg.; potatoes 12%, 18% 1991, 24% avg.; soybeans 13%, 1% 1991, 7% avg.; dry beans 3%, 1% 1991, 3% avg.; sunflower 1%, 1% 1991, 3% avg. Calving 96% complete, lambing 96%, shearing 98%. Range, pasture conditions 83% of normal; furnished 46% roughage requirements. Stockwater supplies 1% very short, 35% short, 64% adequate.

OHIO: Cold weather dominated first part of the week sending overnight lows into the 30s on consecutive days. A slow warming trend began at midweek that pushed highs up to the 70s for the weekend. State 3 to 7° colder than normal for the week. Highs in the low, mid 60s with average lows in the upper 30s to mid 40s. Light precipitation fell the first half of the week with widely scattered storms occurring on 8th. Rainfall 0.10 in. to over 1 in. in a few southern locations. Most of the State received 0.25 to 0.50 in.

Days suitable for fieldwork 4.9. Soil moisture 7% short, 81% adequate, 12% surplus. Oats planted 90%, 97% 1991, 95% avg. Oats emerged 68%, 84% 1991, 78% avg. Potatoes planted 35%, 55% 1991, 59% avg. Pasture 1% very poor, 5% poor, 30% fair, 52% good, 12% excellent. Hay 1% very poor, 5% poor, 32% fair, 54% good, 8% excellent. Warmer temperatures near the end of the week aided in germination of seeds already planted, allowed planting to go forward more rapidly.

OKLAHOMA: Temperatures 4° below normal southeast to 3° above normal Panhandle. Precipitation 0.23 in. Panhandle to 1.17 in. northeast.

Days suitable for fieldwork 6.4. Topsoil moisture 72% short, 25% adequate, 3% surplus. Subsoil moisture 24% short, 76% adequate. Wheat 2% poor, 61% fair, 37% good; 98% heading, 93% 1991, 78% avg.; 34% soft dough, 22% 1991, 23% avg. Corn 93% planted, 96% 1991, 89% avg.; 69% emerged, 55% 1991, 68% avg. Crop insect activity light. Cattle condition good; marketings average; prices steady to lower.

OREGON: Temperatures well above normal statewide. Record temperatures statewide. Southwest, northeast areas warmest, 6 to 15° above normal. Precipitation very light statewide; north coast, southwestern, south central 0.20 in.

Soil moisture, 50% short, 48% adequate, 2% surplus. Winter wheat 4% poor, 30% fair, 62% good, 4% excellent. Barley 96% planted. Winter wheat headed 5%. Field preparation slowed, wet weather. Field crops ahead of normal. First cutting of hay underway, ahead of normal. Bloom continued in strawberries, raspberries, marionberries, Willamette Valley. Early varieties of strawberries neared harvest in Willamette Valley. Heavy cherry set, The Dalles; Bing variety heavier than Royal Anne. Apple, pears, good fruit set except Bosc pears; Hood River Valley. Thinning sprays applied, apples, pears in Hood River Valley. Cover sprays for codling moth, spider mites, pear Pysylla applied, Medford pear district. Isolated hail damage, apples, cherries in Morrow County. Planting continues in snap peas, sweet corn, beans; onions emerging; western areas. Potatoes emerging, cultivation underway, eastern areas. Livestock condition good to excellent. Stockwater continues to be short, eastern areas. Dry conditions in eastern areas have led to some cattle sales, Harney County. Pastures excellent, western areas. Statewide pasture, range 79% of normal.

PENNSYLVANIA: Temperature 54°, 2° below normal. Extremes 25°; 76°. Precipitation 0.78 in., 0.04 in. below normal.

Days suitable for fieldwork 4. Soil moisture 12% short, 80% adequate, 8% surplus. Plowing 73% complete, 76% 1991, 77% avg. Corn 23% planted, 31% 1991, 28% avg. Soybeans 4% planted, 2% 1991, 8% avg. Oats 77% planted, 86% 1991, 86% avg. Potatoes 37% planted, 50% 1991, 57% avg. Barley 61% pre-boot, 48% 1991, 58% avg.; 22% boot, 26% 1991, 23% avg.; 17% heading or headed, 26% 1991, 19% avg. Wheat 82% pre-boot, 71% 1991, 80% avg.; 18% boot, 27% 1991, 19% avg.; 0% heading or headed, 2% 1991, 1% avg.; 3% very poor, 3% poor, 22% fair, 57% good, 15% excellent. Oats 4% very poor, 3% poor, 22% fair, 51% good, 20% excellent. Hay stands mostly good to fair. Alfalfa first cutting 0% complete, 2% 1991, 2% avg. Feed from pastures 4% very poor, 4% poor, 36% fair, 56% good. Peaches 20% pre-pink, 12% 1991, 13% avg.; 22% pink, 7% 1991, 11% avg.; 58% full bloom or past, 81% 1991, 76% avg. Cherries 20% pre-pink, 9% 1991, 12% avg.; 16% pink, 7% 1991, 12% avg; 64% full bloom or past, 84% 1991, 76% avg. Apples 37% pre-pink, 13% 1991, 20% avg.; 29% pink, 15% 1991, 23% avg.; 34% full bloom or past, 72% 1991, 57% avg. Activities: Spraying of small grains; spring plowing; repairing fence; hauling manure; spreading fertilizer; maintaining machinery; cutting ryelage; caring for livestock.

PUERTO RICO: Rainfall 1.30 in. was 0.21 in. below normal. Rainfall highs 4.48 in. at Negro Corozal, 3.90 in. at Morovis, 3.29 in. at Corozal Aes. Divisional temperatures about 78 to 79° on the coasts, 74° in the Interior with mean station temperature 71.2° at Maricao to 82.3° at Guayama. Extremes 55°; 93°.

SOUTH CAROLINA: Temperatures were 6 to 11° below normal. Rainfall 1.40 in. statewide.

Days suitable for fieldwork 3.9. Soil moisture 11% short, 75% adequate, 14% surplus. Tobacco fair; 98% planted, 99% 1991, 93% avg. Corn fair to good. Cotton fair; 54% planted, 52% 1991, 53% avg. Soybeans 6% planted, 4% 1991, 4% avg. Watermelons fair to good; 88% planted, 88% 1991, 88% avg. Cantaloupes fair to good; 83% planted,

81% 1991, 80% avg. Cucumbers fair to good; 84% planted, 85% 1991, 85% avg. Snap beans fair to good; 69% planted, 66% 1991, 67% avg. Oats fair to good; 91% headed, 90% 1991, 92% avg.; 31% turning color, 40% 1991, 28% avg.; 10% ripe, 9% 1991, 5% avg. Wheat fair to good; 90% headed, 97% 1991, 93% avg.; 17% turning color, 46% 1991, 27% avg. Rye fair to good; 39% turning color, 43% 1991, 33% avg.; 10% ripe, 4% 1991, 4% avg. Grain hay fair to good; 39% harvested, 34% 1991, 39% avg. Peanuts fair; 70% planted, 68% 1991, 48% avg. Sorghum 7% planted, 21% 1991, 19% avg. Pastures fair to good. Cooler than normal weather for second consecutive week slowed crop growth, caused some damage.

SOUTH DAKOTA: Temperatures 8 to 12° above normal. Extremes 23°; 94°. Precipitation, mostly dry, light rain in the west, generally less than 1.00 in. Maximum 1.10 in.

Days suitable for fieldwork 6.2. Topsoil 27% critical, 52% short, 21% adequate. Subsoil 25% critical, 45% short, 29% adequate, 1% surplus. Rye 2% very poor, 8% poor, 39% fair, 37% good, 14% excellent. Spring Wheat 4% poor, 46% fair, 42% good, 8% excellent. Barley 1% very poor, 7% poor, 38% fair, 46% good, 8% excellent. Oats 98% planted, 93% 1991, 95% avg. Barley 100% planted, 89% 1991, 93% avg. Flax 60% planted, 21% 1991, 35% avg. Dry conditions are slowing small grain progress. Livestock 1% poor, 8% fair, 77% good, 14% excellent. Low or dry Stock dams were reported in the west. Pasture 77% of normal, little growth due to dry conditions. Cattle moved to pasture, 40%. Cows calved, 88%. Sheep lambled, 92%.

TENNESSEE: Low pressure caused unseasonably cool weather for most of week. Some warming by weekend. Conditions remained dry west, above-normal rain fell east. Temperatures below normal east, slightly below normal west. Precipitation none west to 1.25 in. east.

Days suitable for fieldwork 5.1. Soil moisture 4% very short, 52% short, 38% adequate, 6% surplus. Corn 88% planted, 44% 1991, 65% avg. Cotton 68% planted, 13% 1991, 54% avg. Sorghum 48% planted, 12% 1991, 27% avg. Soybeans 8% planted, 1% 1991, 6% avg. Tobacco 16% transplanted 13% 1991, 10% avg.; 7% poor, 47% fair, 45% good, 1% excellent. Wheat 82% headed, 81% 1991, 84% avg.; 2% turning color, 3% 1991, 5% avg.; 1% very poor, 3% poor, 25% fair, 54% good, 17% excellent. Alfalfa 12% 1st cutting, 18% 1991, 26% avg. Hay 3% very poor, 12% poor, 52% fair, 32% good, 1% excellent. Pastures 1% very poor, 3% poor, 41% fair, 51% good 4% excellent. Cattle 1% poor, 20% fair, 76% good 3% excellent. Tick, fly, lice populations active.

TEXAS: Dry air last week limited storm activity across the State, especially in eastern half. Main shower amounts noted in West Texas. Trans Pecos picked up numerous amounts of rainfall over recent days. The dry air also allowed a wide variation of temperatures. Warm afternoons followed by near record low temperatures the following morning in many areas. Rice belt along the Upper Coast was affected most as the air mass centered in southeast, East Texas. Weather data reflected the influence of last week's dry air mass. Trans Pecos reported the only positive departure of rainfall totals from normal. All other crop districts had near or below rainfall. The chilly mornings caused all districts to report at or below normal temperatures for the week.

Crops: Small grain fields continued to look good. Some fields began to dry due to lack of moisture. Few fields harvested in South Texas. Producers on the Plains continued irrigating wheat fields due to depleted soil moisture. Spraying to control rust problems in some fields. Wheat began to turn color in many areas. Corn planting winding down on the Plains. Some emerged plants suffered from cool temperatures. Rio Grande Valley early fields tasselled. Irrigating started in High Plains. Corn 89% normal compared with 85% 1990. Grain sorghum planting in full swing in Blacklands, Low Plains. Planting in High Plains slowed by lack of moisture. Yellow sugarcane aphids caused damage to some fields in Blacklands. Sorghum 84% normal compared with 88% 1990. Cotton

planting was in full force on Plains. Fields in Blacklands were up to good stands, minimal insect damage reported. Cotton growth slowed by cool temperatures in eastern half of State. Some fields suffered from excess moisture in Coastal Bend. Cotton 69% normal compared with 88% 1990. Rice fields being flooded. Clinch bugs noted in some fields. Producers having some problems controlling grass due to cool temperatures. Peanut planting began on a limited basis in Cross Timbers. Some producers applied herbicides, prepared seed beds for planting. Additional moisture needed for good germination.

Commercial Vegetables: In the Rio Grande Valley, some peas harvested. Some onions lost from the rain last week. High Plains, irrigation continued for most vegetable crops. Melons being planted. In Trans Pecos, some onions harvested. Melons progressing well. Some tomatoes were in full bloom. In East Texas, vegetable planting was in full swing. Early tomatoes setting fruit. Most pecan trees in full bloom. Light insect problems reported.

Range and Livestock: Range, pasture conditions began to deteriorate in areas with limited moisture. Growth of warm season grasses slowed by cool weather. Most livestock have been moved off wheat pastures. Young calves growing well.

UTAH: Temperature maximums 9° above normal, minimums 6° above normal. Moderate precipitation was reported in Dixie region, light elsewhere.

Days suitable for fieldwork 6.5. Soil moisture 78% short, 22% adequate. Spring wheat emerged 96%, 90% 1991, 88% avg.; jointed or better 24%. Barley emerged 94%, 85% 1991, 89% avg.; jointed or better 32%. Oats planted 87%, 81% 1991; emerged 68%, 60% 1991, 69% avg. Winter wheat height 14.6 inches, 8 inches 1991, 9.9 in. avg.; jointed or better 56%, 26% 1991, 38% avg.; booted or better 16%, 4% 1991, 13% avg. Corn planted 75%, 36% 1991, 54% avg.; emerged 28%, 5% 1991, 26% avg. Alfalfa height 14.8 in., 7.5 in. 1991, 10.9 in. avg. First crop cutting alfalfa 8% complete. Potatoes planted 78%. Crop progress 2 to 3 weeks ahead of normal. Spraying underway for cereal leaf beetles, codling moth. Cattle, sheep moved to spring range 23%, 14% respectively. Pasture, range poor to fair.

VIRGINIA: Temperatures 4 to 10° below normal. Extremes 30°; 91°. Precipitation near to above normal. Amounts ranging from 0.49 to 2.40 in.

Days suitable for fieldwork 3.3. Topsoil 6% short, 73% adequate, 21% surplus. Pasture 2% poor, 40% fair, 46% good, 12% excellent. Alfalfa 2% poor, 29% fair, 60% good, 9% excellent. Barley 26% fair, 72% good, 2% excellent. Wheat 34% fair, 57% good, 9% excellent. Apples fair to mostly good. Peaches fair to mostly good. Potatoes fair to good. Other hay 4% poor, 46% fair, 48% good, 2% excellent. Corn 60% planted, 64% 1991, 54% avg. Corn 11% poor, 52% fair, 37% good. Soybeans 3% planted, 11% 1991, 5% avg. Cotton 65% planted, 99% 1991, 68% avg. Peanuts 40% planted, 92% 1991, 42% avg. Flue tobacco 30% transplanted, 53% 1991, 23% avg. Fire tobacco 9% transplanted, 23% 1991, 20% avg. Harvesting rye for haylage, spraying winter wheat, clipping tobacco plantbeds, preparing soybean land, planting snaps, cucumbers.

WASHINGTON: Temperatures 6 to 9° above normal, west; 2 to 11° above normal, east. Precipitation 0.2 to 0.10 in. west; none reported east.

Days suitable for fieldwork 7.0. Soil moisture 56% short, 44% adequate. Hay, other roughage 13% short, 75% adequate, 12% surplus. Range, pasture

12% very poor, 44% poor, 44% fair. Winter wheat 45% fair, 55% good. Winter barley 44% fair, 56% good. Potatoes 98% planted, 92% 1991, 89% avg; 51% emerged, 45% 1991, 49% avg. Spring wheat 100% planted, 98% 1991, 99% avg; 99% emerged, 84% 1991, 91% avg. Barley 99% planted, 99% 1991, 97% avg; 99% emerged, 70% 1991, 84% avg. Dry peas 99% planted, 91% 1991, 94% avg. Excellent weather for cutting, baling hay. Rapid crop development due to high temperatures. Fields drying, crops showing signs of stress as temperatures reached record high some areas. Spring barley, wheat spraying complete east. Early pea, lentil harvest expected due to advanced crop development. Apples dropping central areas due to warm weather. Chemical thinning applications applied. Cherry harvest expected one to two weeks early; crop looks good. Cattle heading to summer mountain ranges. Bulls being turned out.

WEST VIRGINIA: Temperature 50°. Extremes 29°; 84°. Precipitation 0.96 in.

Days suitable for fieldwork, 3.3. Soil moisture, 10% short, 75% adequate, 15% surplus. Tobacco beds, good; 89% planted, 67% emerged. Gardens, fair; 27% planted, 19% emerged. Wheat, good. Barley, good. Corn, 31% planted, 7% emerged. Oats, Good; 42% planted, 30% emerged. Hay, 5% poor, 35% fair, 60% good. Apples, good. Peaches, good. Pastures, 13% poor, 33% fair, 54% good; 76% of normal. Hay feed supplies, adequate. Other feed supplies, adequate. Cattle, 18% fair, 82% good. Sheep, 6% fair, 94% good. Cows calved, 94%. Sheep lambed, 95%. Farm activities: maintenance, plowing, planting corn, oats, fencing, fertilizing, working cattle, calving, lambing.

WISCONSIN: Temperature 54°; 2° above normal. Extremes 17°; 89°. Precipitation none to 0.20 in. Frost in areas during the middle of the week; no damage reported yet.

Days suitable for fieldwork 6.8. Soil moisture 13% short, 82% adequate, 5% surplus. Early assessment of pastures indicate they are in fair condition at 75% of normal. Intended spring tillage 60% complete, 47% 1991, 70% avg. Oats 69% planted, 56% 1991, 83% avg. Corn 36% planted, 18% 1991, 37% avg. Damage to winter wheat: 2% reported no damage, 3% with light damage, 12% with moderate damage, 83% reported severe damage. Damage to alfalfa: 5% report no damage, 24% light damage, 43% moderate damage, 28% report severe damage.

WYOMING: Temperatures 5 to 13° above normal. Spotty rainfall was noted in the far north, southwest. No other precipitation was reported across the State. State has had below normal precipitation for the first part of month.

Days suitable for fieldwork 6.4. Topsoil 87% short, 13% adequate. Spring wheat 93% planted, 69% 1991, 77% avg.; 65% emerged, 38% 1991, 43% avg. Oats 85% planted, 69% 1991, 70% avg.; 54% emerged, 33% 1991, 34% avg. Barley 93% planted, 83% 1991, 88% avg.; 65% emerged, 59% 1991, 64% avg. Sugarbeets 99% planted, 87% 1991, 93% avg.; 35% emerged, 26% 1991, 40% avg. Corn 57% planted, 35% 1991, 40% avg.; 3% emerged, 3% 1991, 3% avg. Potatoes 35% planted, 25% 1991, 36% avg.; 24% emerged, 13% 1991. Farmers preparing fields for dry bean planting. Livestock good to excellent. Spring calves born 93%, 93% 1991, 93% avg. Farm flock ewes lambed 98%, 96% 1991, 95% avg.; shorn 98%, 94% 1991, 93% avg. Range flock ewes lambed 60%, 62% 1991, 63% avg.; shorn 85%, 75% 1991, 79% avg. Calf, lamb death losses light to normal. Range livestock moved to summer ranges: cattle, calves 33%; sheep, lambs 19%. Prospects for spring grazing 30% poor, 45% fair, 25% good. Stockwater supplies 60% short, 40% adequate.

April 1992 El Niño Update

The 1991-92 Pacific El Niño event is still with us, though the April Southern Oscillation Index (SOI) of -1.4 is up from the very negative value recorded in March (-3.0). According to Climate Analysis Center analysts, the intensity of the current event is rated "somewhere between moderate and strong" depending on whether the SOI (strong) or sea temperatures (moderate) criteria are used. Drought in Southeast Asia and heavy rains in Ecuador and Peru are two of the recent impacts from the anomalous conditions in the Pacific basin. Experimental prediction models indicate that warm waters should persist in the central and eastern tropical Pacific the next 3-6 months, likely resulting in a weaker than normal Asian monsoon.

International Weather and Crop Summary HIGHLIGHTS

May 3 - 9, 1992

FSU - WESTERN: Little, if any, precipitation favors rapid spring grain and summer crop planting. Moisture remains favorable for vegetative grains.

FSU - NEW LANDS: Light precipitation causes only minor delays in early spring grain planting.

EUROPE: Mild, drier weather favors fieldwork across the region, but the moisture deficiency worsens in Hungary.

NORTHWESTERN AFRICA: Unseasonably cool, wet weather in Algeria slows winter grain maturation and early harvest.

SOUTH AFRICA: Dry, cool weather prevails.

SOUTH ASIA: Showers boost moisture in southern and eastern rice areas. Rain slows final winter wheat harvests.

EASTERN ASIA: Timely rain favors heading winter wheat in the north. Extensive rains return to the extreme south, causing additional flooding.

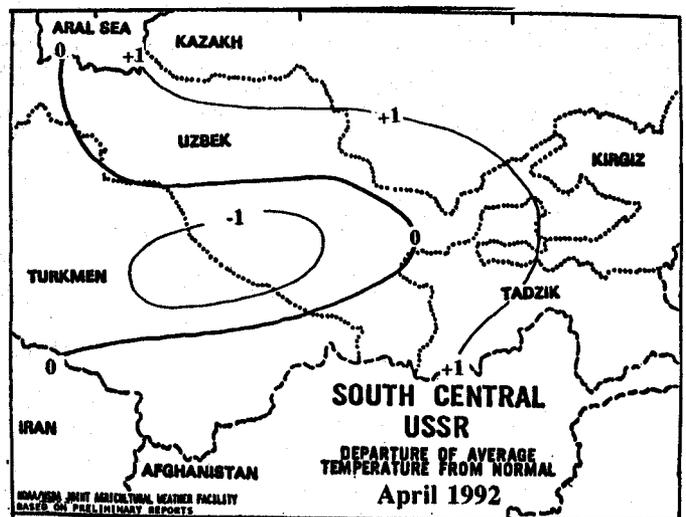
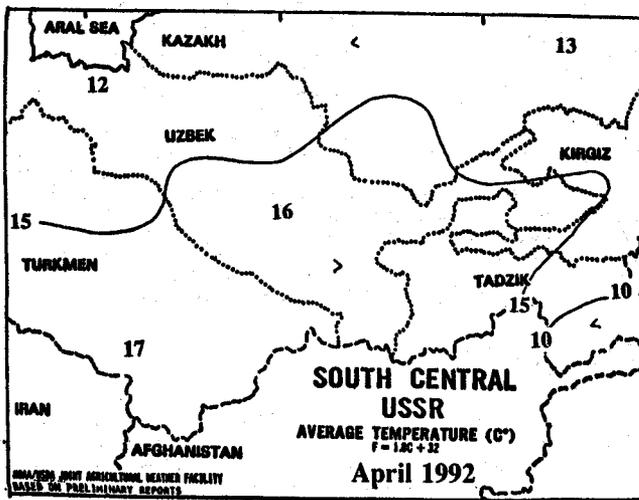
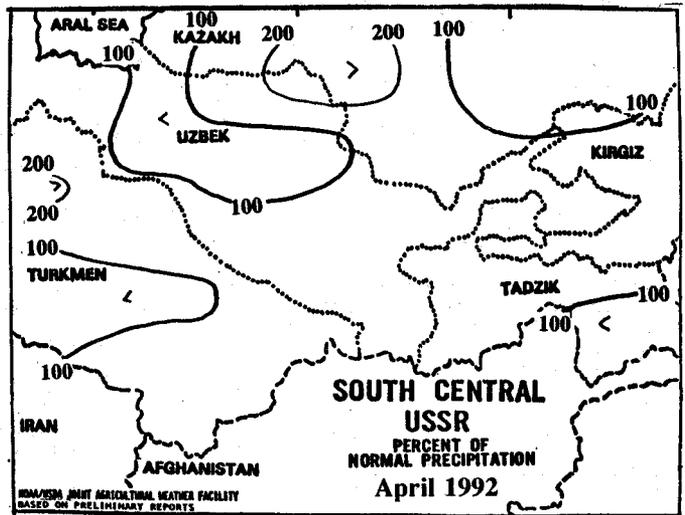
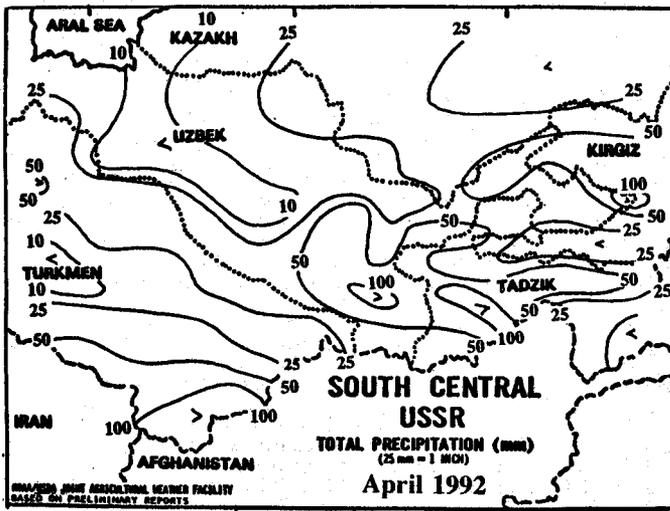
SOUTHEAST ASIA: Scattered showers continue over Indochina, but more is needed for rice and corn establishment.

AUSTRALIA: Dry weather favors fieldwork.

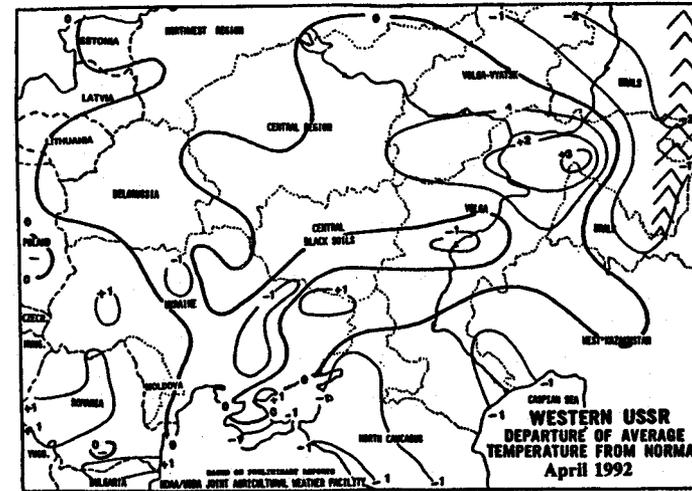
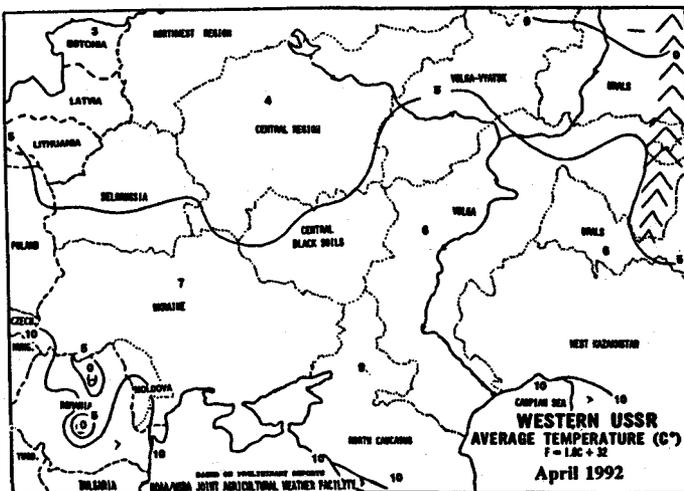
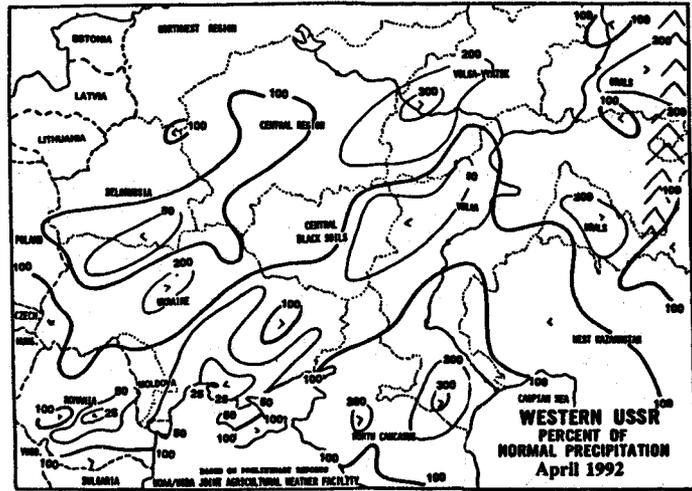
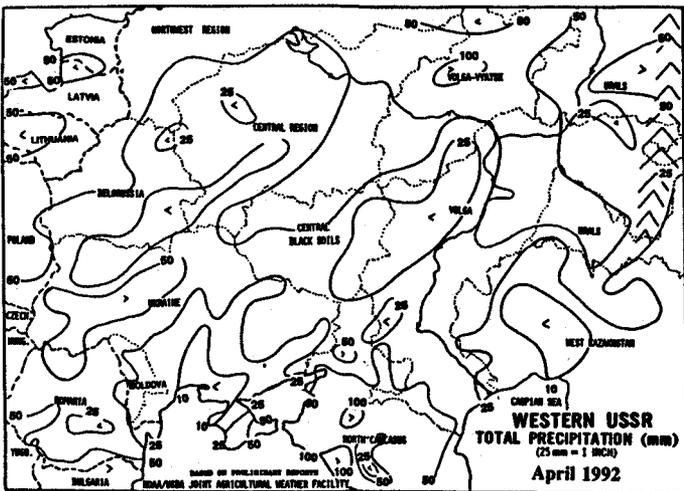
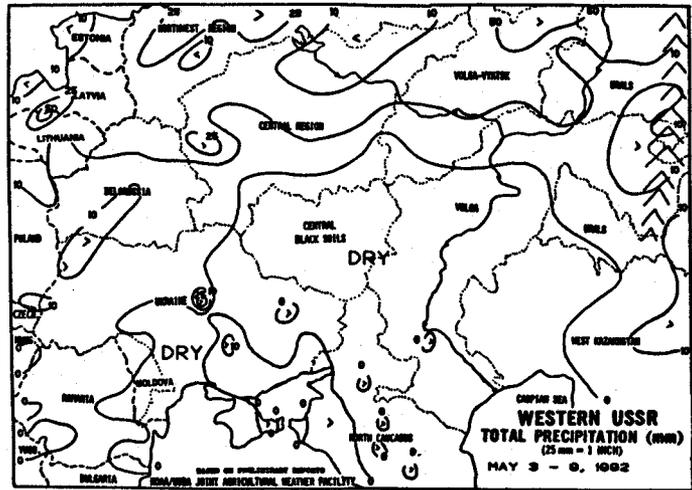
CANADA: Showers miss southwestern spring wheat areas, where rain is needed for planting.

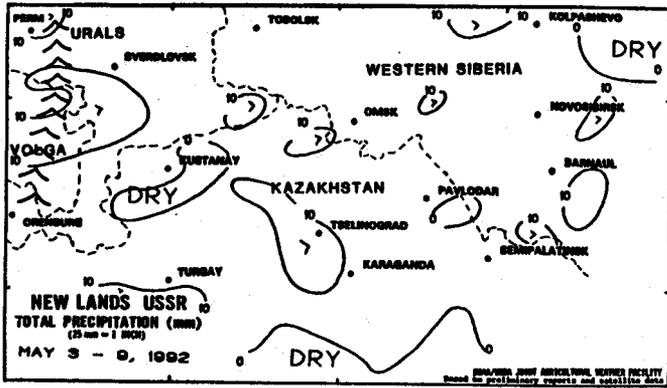
SOUTH AMERICA: Scattered showers slow soybean harvesting in southern Brazil. Showers aid soil moisture, as winter wheat planting begins in south-central Argentina.

MEXICO: Adequate moisture exists for corn and coffee, while dryness favors wheat harvesting in the west.

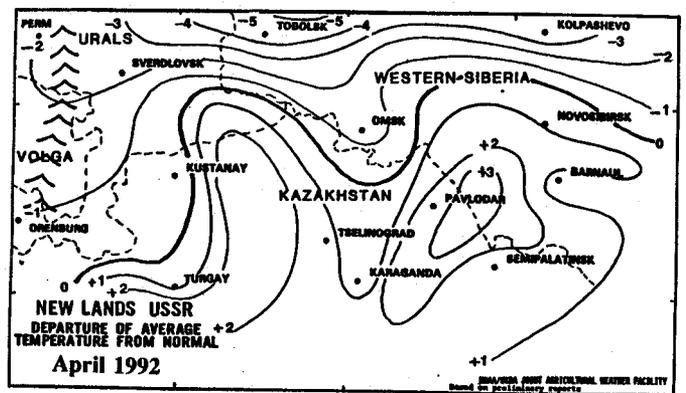
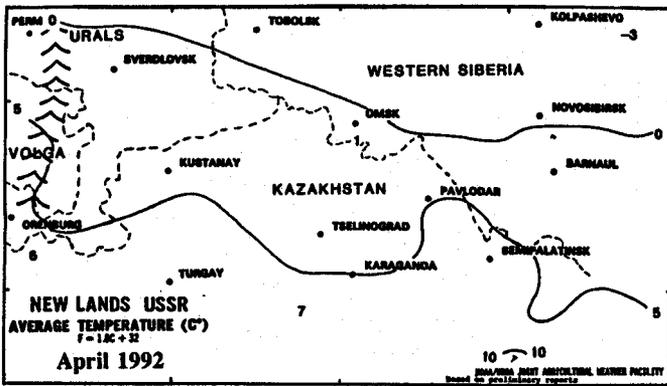
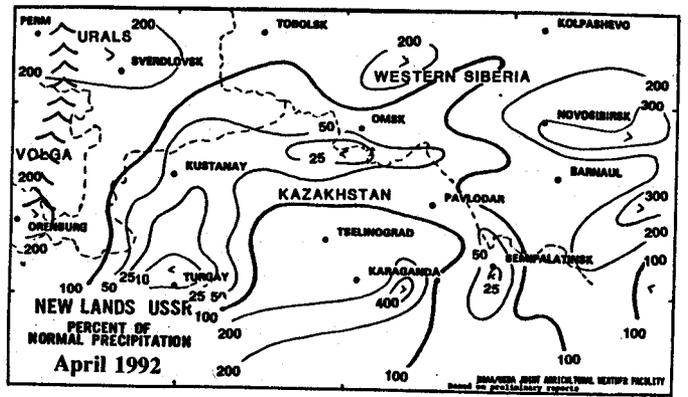
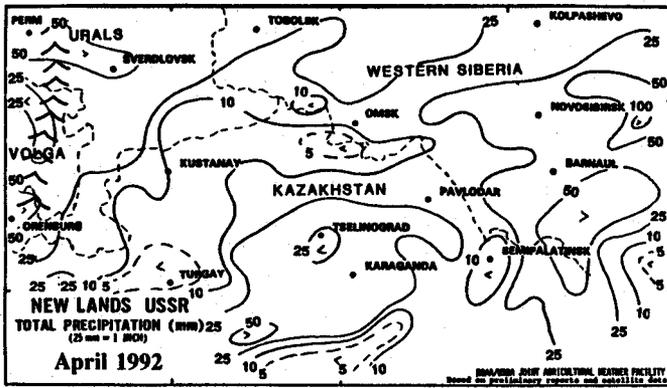


FSU - WESTERN: Starting with this issue, the previous title of Western USSR for the monthly summaries has been changed to FSU - Western, describing weather and crop conditions in western crop areas of the former Soviet Union. Weekly summaries will be titled former Soviet Union. Winter grains were jointing in Ukraine, southern Black Soils Region, North Caucasus, and lower Volga and were tillering over the remainder of the region. Spring barley was tillering in the south and emerging in the north. Corn, sunflower, and sugar beet planting was well underway. Little, if any, precipitation covered Ukraine, Black Soils Region, North Caucasus, and Volga Valley, helping summer crop planting. Light rain (10-25 mm) over the Baltic States, Central Region, and Volga Vyatsk Region slowed planting. Weekly average temperatures were near to above normal over most areas. In April, below-normal precipitation covered crop areas in a band that stretched from southern Ukraine, northeastward through eastern Black Soils Region, into western Volga. While the meager rainfall pattern in these areas helped spring grain planting, it provided limited moisture for vegetative winter grains. Frequent precipitation over the Baltic States, western Ukraine, northern Belorus, Central Region, North Caucasus, and Volga Vyatsk slowed planting. Unseasonably warm weather in early April was replaced by unseasonably cool weather that lasted until month's end, slowing vegetative growth in winter grain and spring grain emergence.

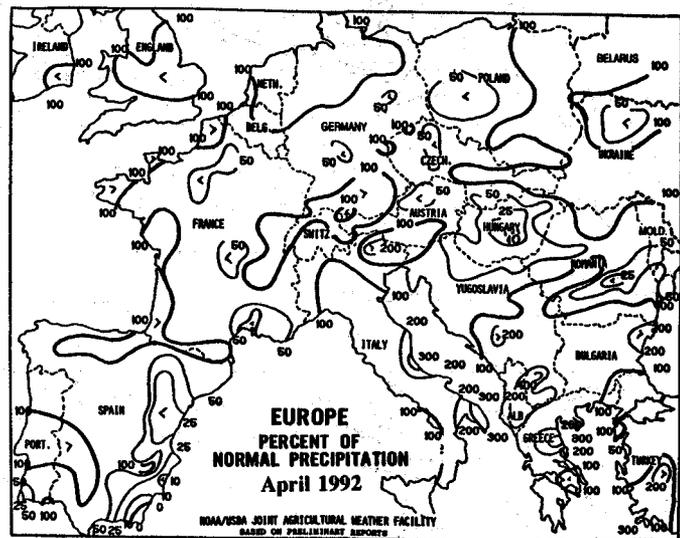
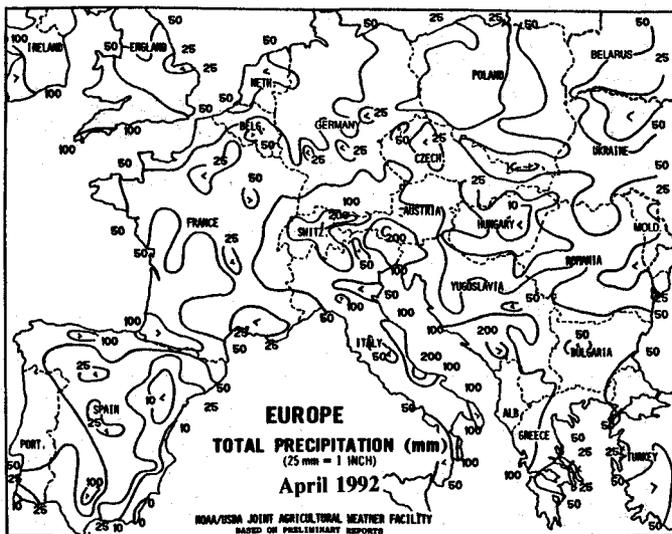
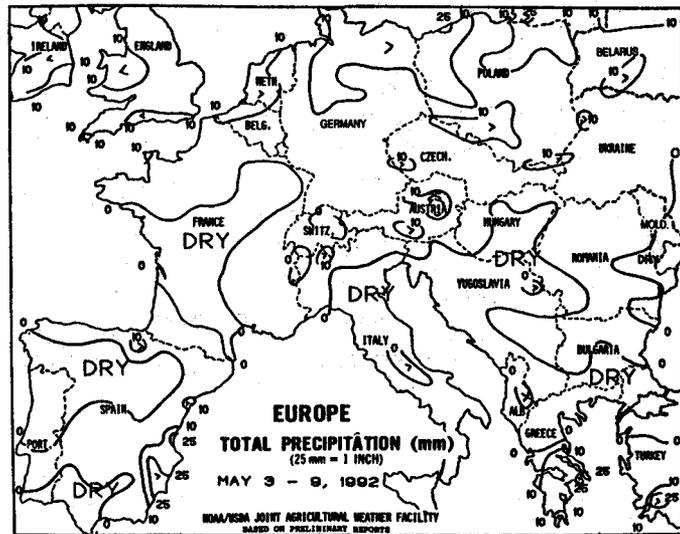


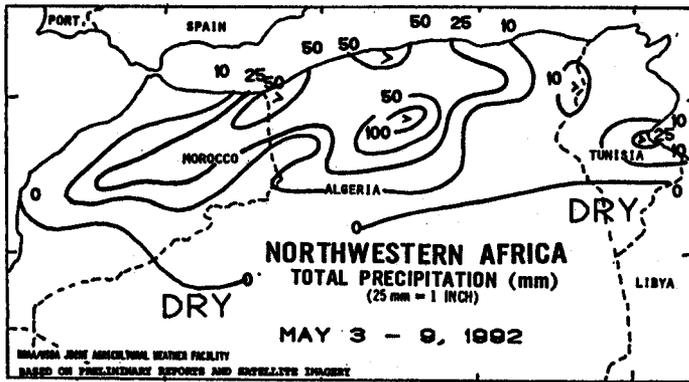


FSU - NEW LANDS: Starting with this issue, the previous title of New Lands for the monthly summaries has been changed to FSU - New Lands, describing weather and crop conditions in areas east of the Volga Valley. Planting usually begins around mid-May in spring grain areas east of the Volga Valley. Light precipitation (generally less than 10 mm) covered most of the region this past week, causing only minor delays in early fieldwork. In April, below-normal precipitation covered northern spring grain areas in Kazakhstan, helping to dry out topsoils for planting. Above-normal rainfall covered the Urals and eastern crop areas in Western Siberia. Currently, topsoil moisture is adequate for planting, but subsoil moisture has not been replenished following last summer's drought.

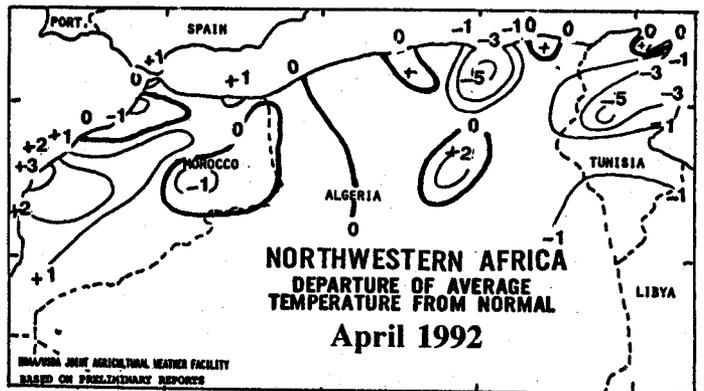
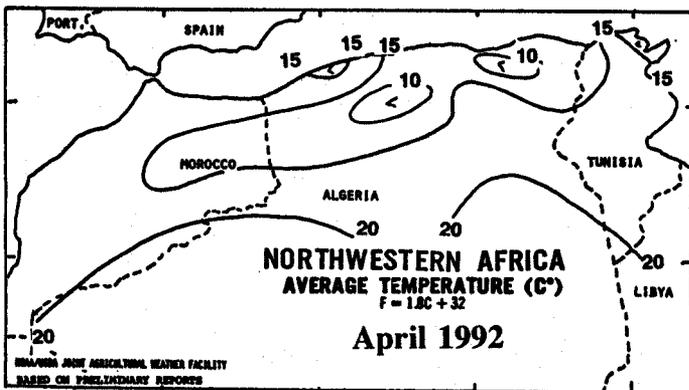
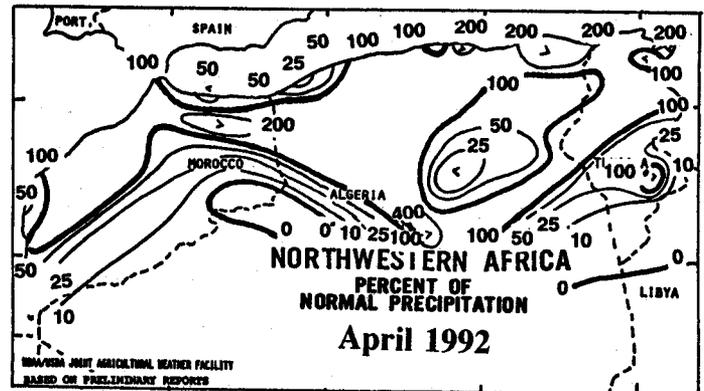
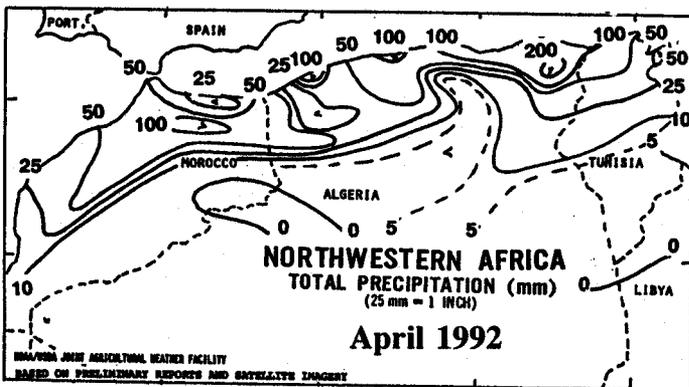


EUROPE: The storm track shifted further north, resulting in drier weather over most of the region. Significant showers (10-25 mm) were confined mostly from England across northern Germany to scattered areas of Poland. In the Mediterranean region, beneficial showers (10-47 mm) were restricted to the east coast of Spain and southern Greece. Otherwise, scattered light showers (mostly 5 mm or less) covered much of Europe. Winter grains ranged from filling in the south to jointing in the north. Summer crop planting is underway in the south, with weekly temperatures averaging near to slightly above normal over the region. April monthly rainfall was highly variable over Europe. Beneficial late-season rainfall eased moisture stress on immature crops in southern Europe, following the winter drought. April rainfall was above normal in the southeast and across the extreme north. Below-average rainfall prevailed elsewhere, but timely showers improved topsoil moisture for crop growth. The primary exception was in Hungary, where rainfall was less than 50 percent of normal over most of the country, enhancing a drying trend.

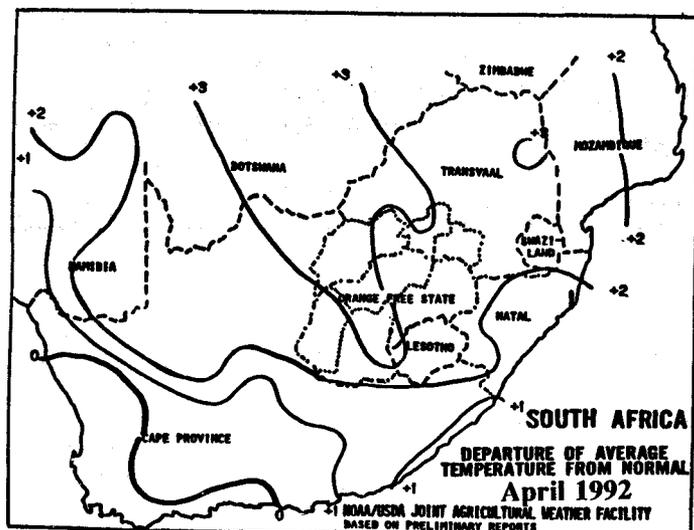
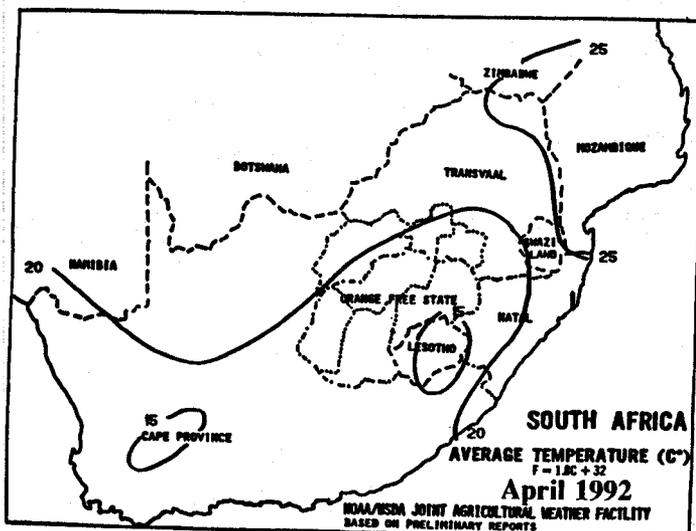
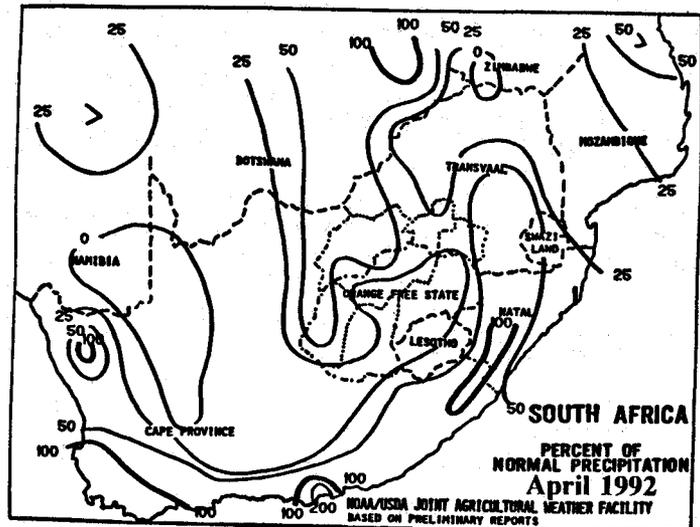
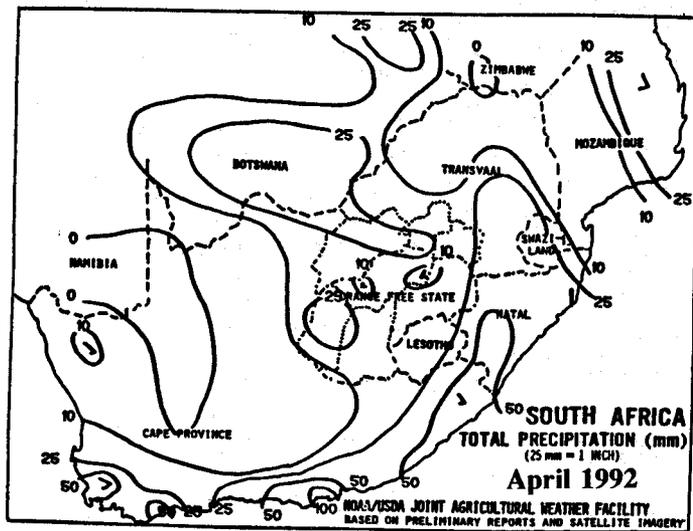
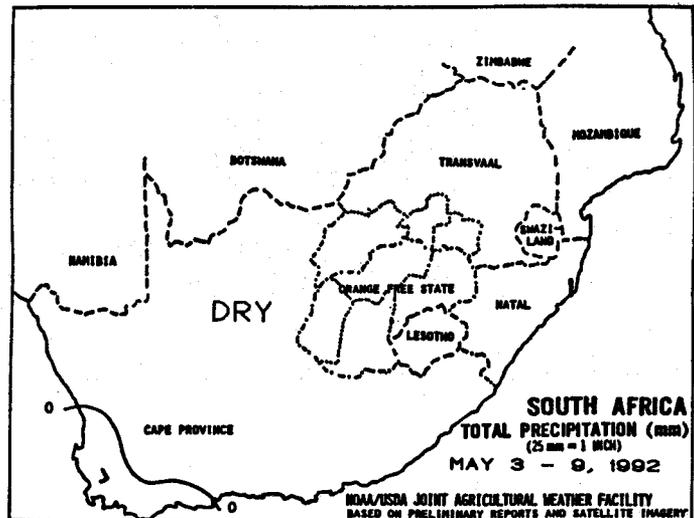




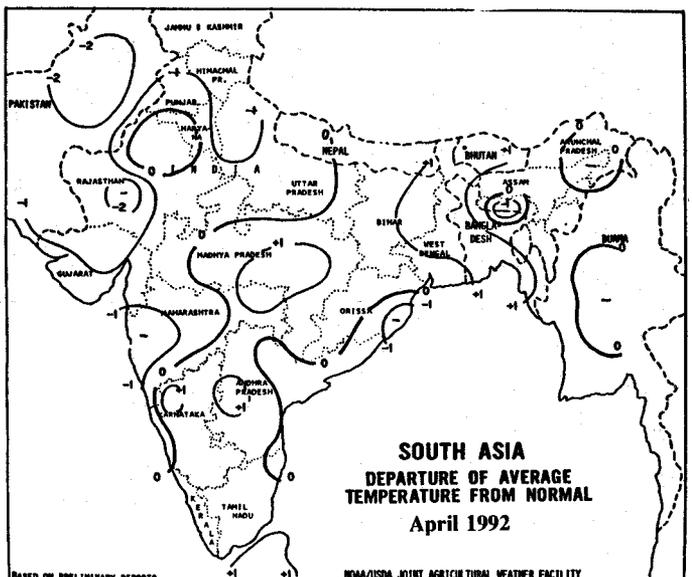
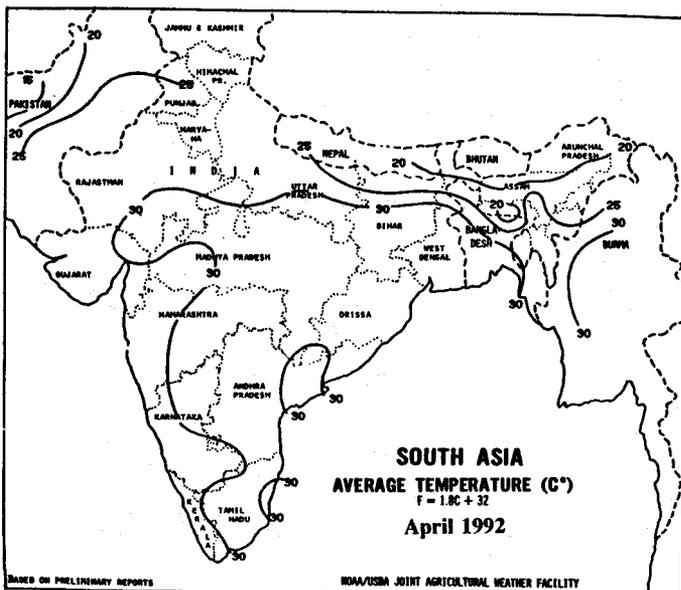
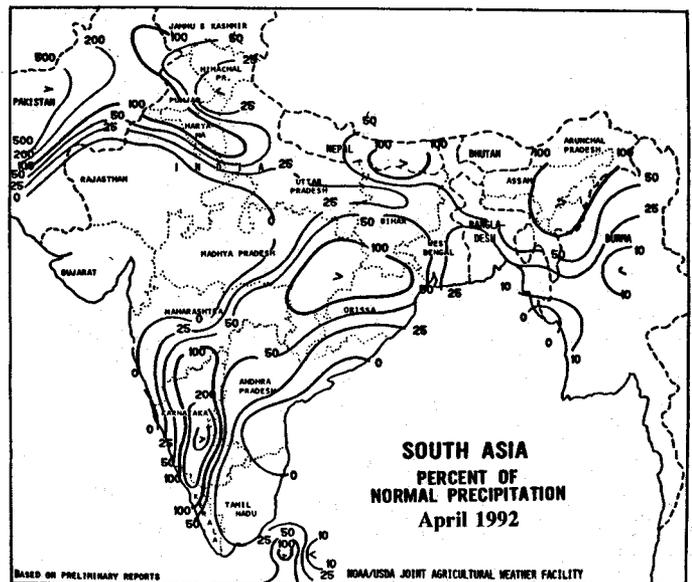
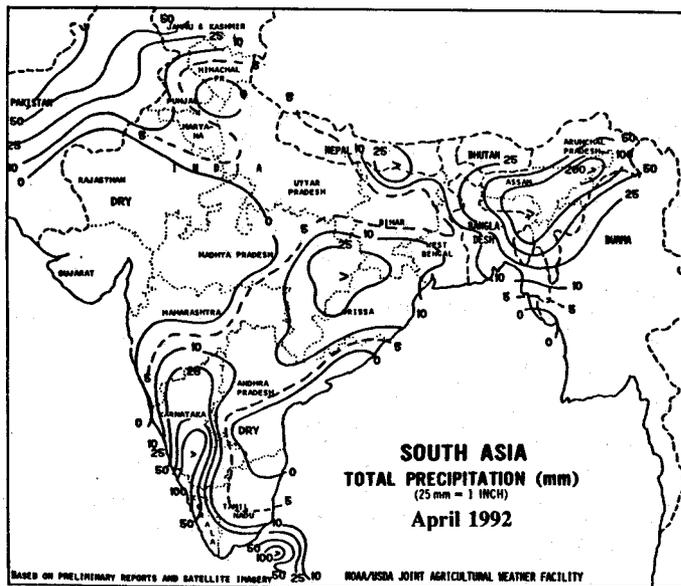
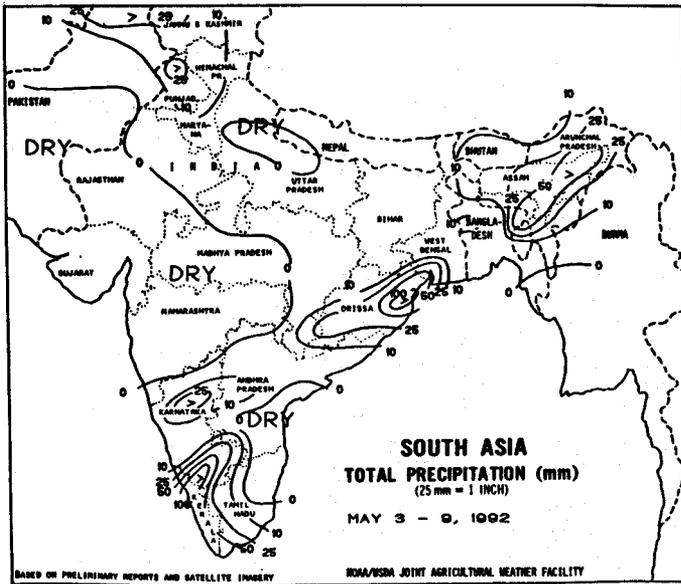
NORTHWESTERN AFRICA: Unseasonably cool, wet weather (precipitation ranging from 22 to 50 mm) over Algeria and easternmost areas in Morocco slowed crop maturation and early harvest. Mostly dry weather over coastal crop areas in Morocco and Tunisia helped early harvesting. To review the season, rain in October promoted early planting over Morocco, Algeria, and Tunisia. However, drought lasting from November to mid-March over Morocco negatively impacted wheat and barley yields. Showers in late March and early April helped to stabilize crop conditions. In Algeria and Tunisia, early winter dryness provided limited moisture for vegetative crops. Timely, beneficial rains in March and April in Algeria improved yield prospects for winter grains advancing through reproduction. Although below-normal March rainfall in Tunisia limited yield prospects, above-normal April rainfall was timely for grain filling crops. Weekly summaries for northwestern Africa will be discontinued until the beginning of next year's planting season.



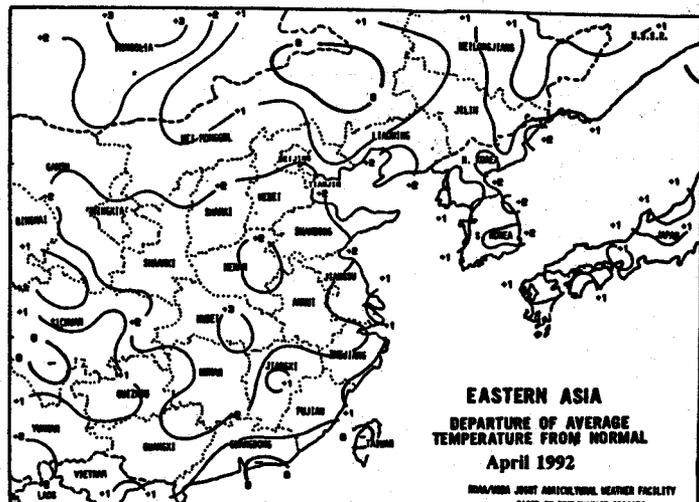
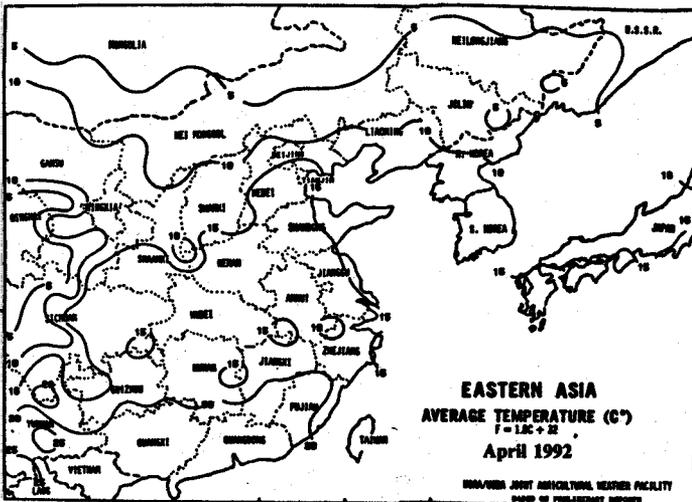
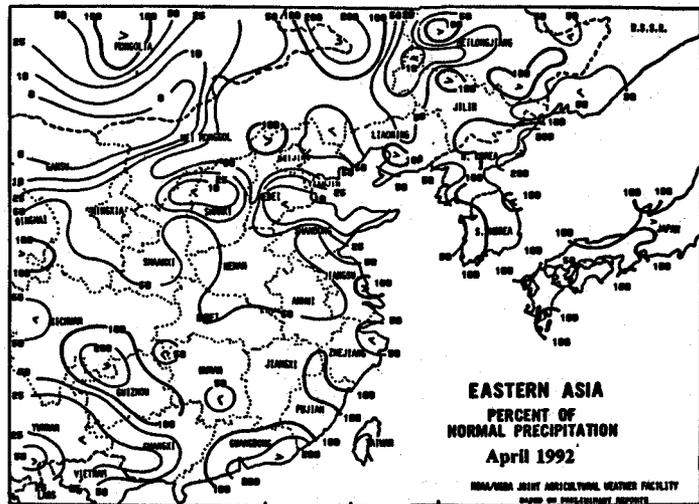
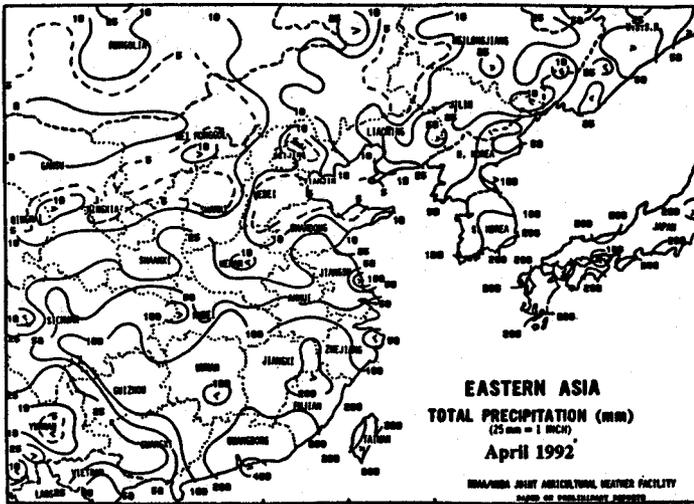
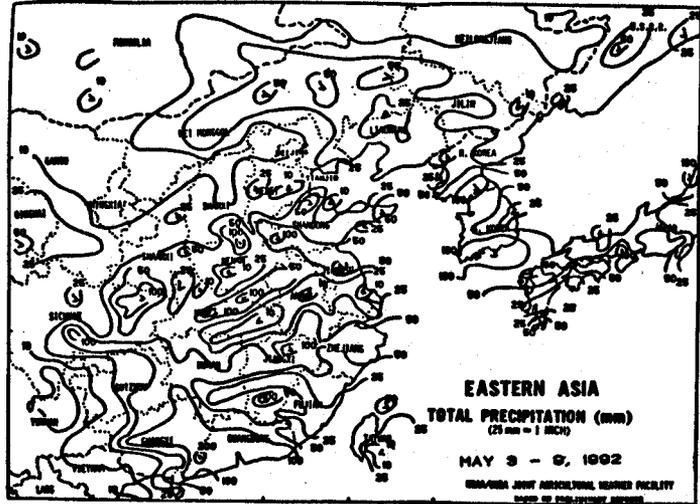
SOUTH AFRICA: Dry, seasonably mild weather prevailed across the region. During April, drier- and warmer-than-normal weather, consistent with this summer's growing conditions, favored mature corn but provided little relief to drought stricken regions of Orange Free State and Transvaal. Scattered showers during the latter half of the month provided timely planting moisture in winter wheat regions from south-central Transvaal to the eastern Cape Province and in southern Cape Province. Unseasonably wet weather would be needed in May to recharge subsoils for normal development. This is the last summary for the season. Coverage will resume in October when corn planting typically begins.

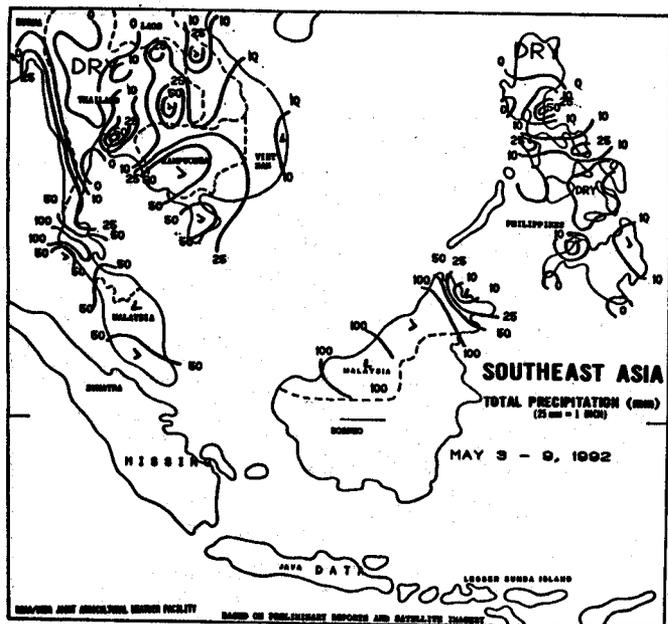


SOUTH ASIA: Pre-monsoon showers (10-50 mm or more) increased over southern and eastern India, improving moisture for rice planting. Scattered showers continued for the second week in summer oilseed and cotton areas of the southern interior, aiding early field preparations for June plantings. Seasonably dry weather, accompanied by blistering heat (highs exceeding 44 degrees C), continued over central and western India. Further north, scattered showers (10-31 mm) in northern winter wheat areas of India and Pakistan slowed final harvests. In April, favorable weather promoted rapid harvest of India's winter grains and oilseed. Periodic light showers and cooler-than-normal temperatures hindered Pakistan's fieldwork. Rainfall increased in eastern rice areas and, by month's end, developed along the southwest coast. Except for the northwest, April temperatures averaged near to above normal, with unfavorably hot weather dominating central India for much of the month.

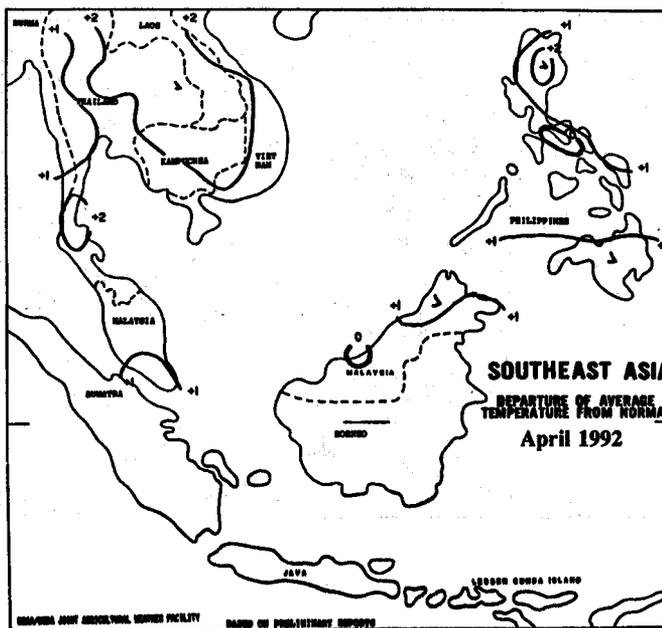
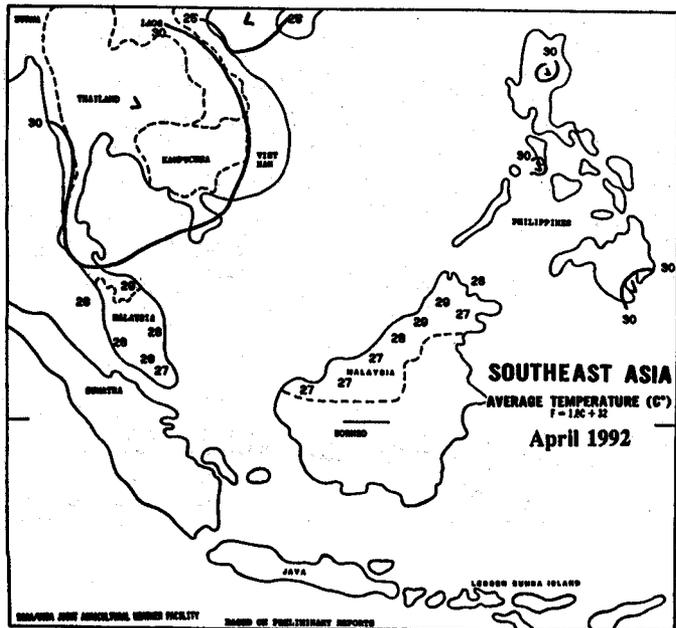
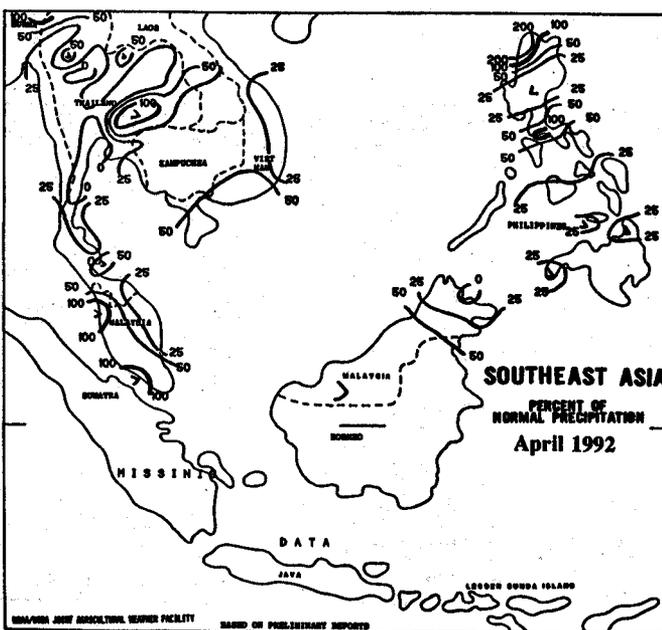
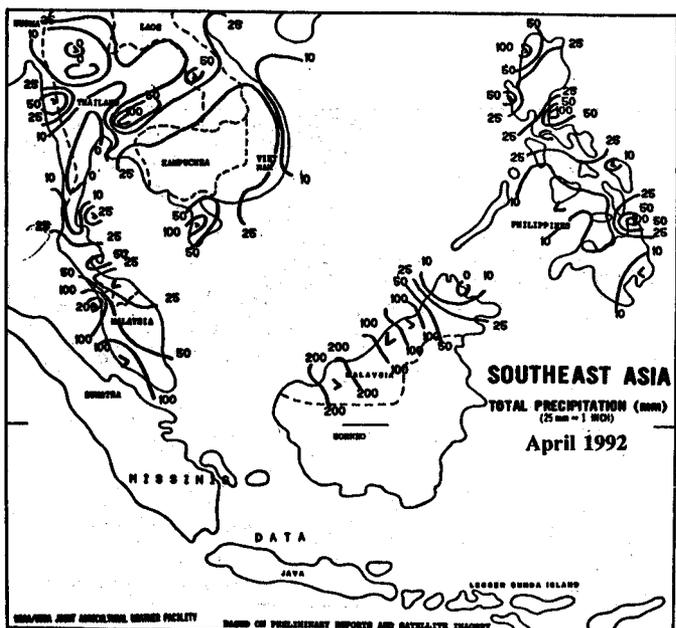


EASTERN ASIA: Widespread light to moderate rain (10-64 mm), with isolated heavier amounts (100-142 mm) fell across the previously dry portions of the North China Plain, aiding heading winter wheat. The timely rains improved wheat growing conditions and additional rain could increase yield prospects. The moisture was very beneficial since rainfall during April was only 10-25 percent of normal in Hebei and Shandong and about 50 percent of normal across central China. The rains also benefited soil moisture for corn, cotton, and soybean germination. Planting of these crops should be progressing on schedule. Moderate rain (10-25 mm) increased topsoil moisture for corn and soybeans in Manchuria. Soil moisture is favorable due to near-normal April rainfall. To the south, moderate to heavy rain (32-110 mm) in Sichuan favored soil moisture for summer crops and filling winter grains. Near-normal April rainfall and recent widespread showers (42-85 mm) kept irrigation supplies high for rice across southern China. Extensive heavy rain (101-249 mm) returned to extreme southern China (Guangxi and Guangdong), continuing the near- to above-normal April rainfall trend, causing additional flooding. Weekly temperatures averaged 1-3 degrees C below normal across Manchuria, near normal across the North China Plain, and 2-4 degrees C above normal elsewhere.

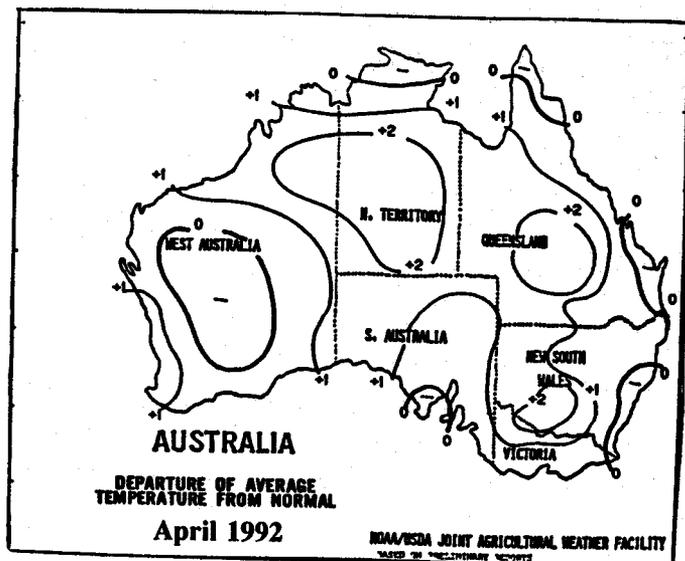
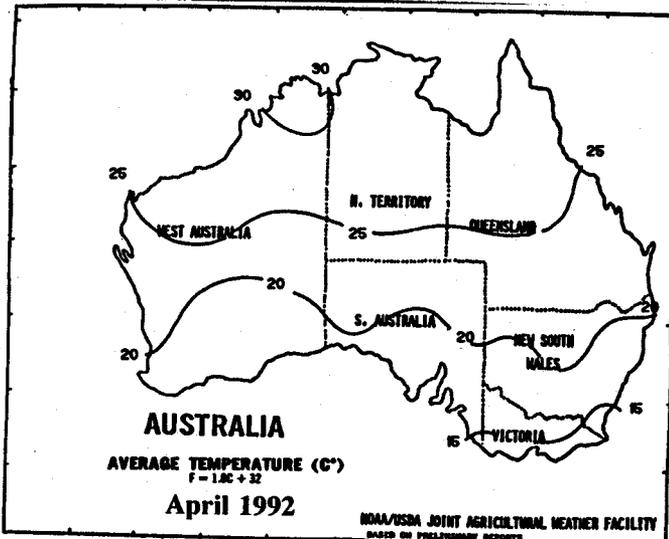
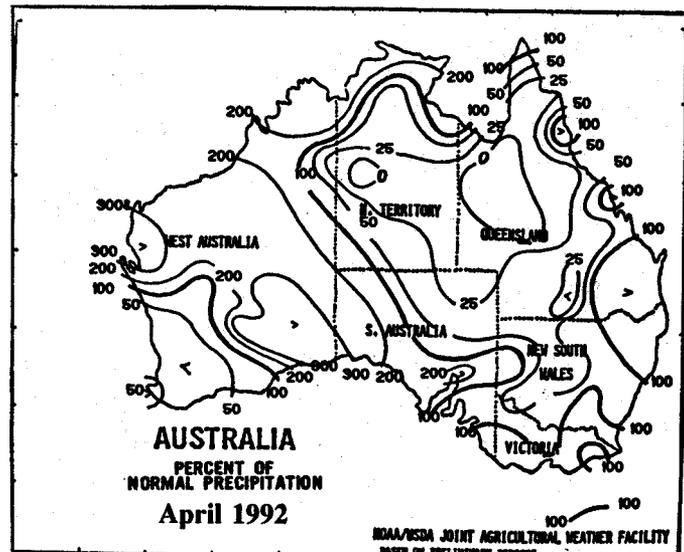
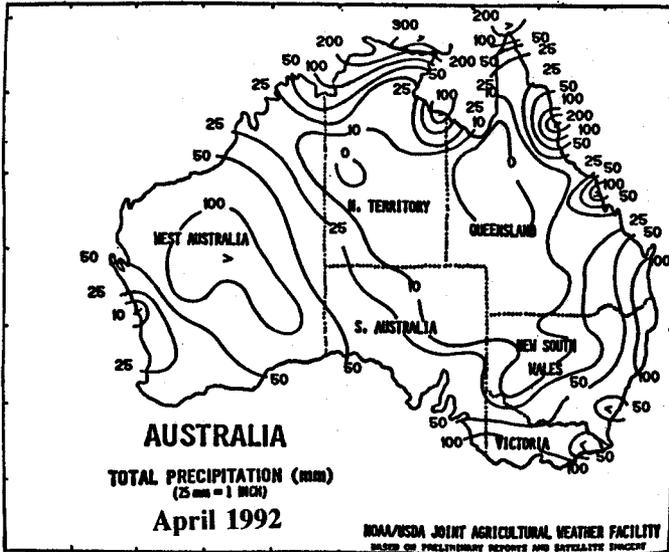
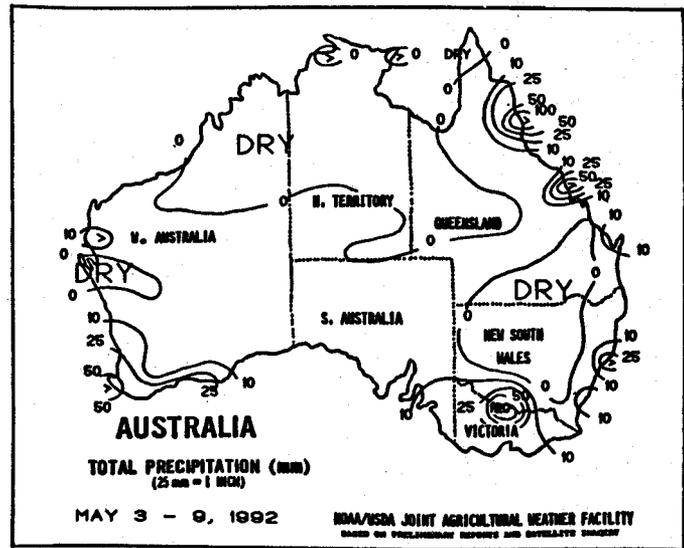




SOUTHEAST ASIA: Widespread showers (25-117 mm) continued over Indochina but dry, warm weather gripped Thailand's central corn and northern rice areas. Following April's unfavorably warmer- and drier-than-normal weather, rain is needed soon in Thailand to prevent further planting delays. Further south, moderate to heavy showers (25-100 mm or more) covered Malaysia's primary crop areas. Data were still missing for Indonesia, but imagery showed frequent cloudiness over many areas, except for Java which appeared to be drying out. April rainfall was near to below normal over Malaysia, typical of this time of year as the Intertropical Convergence Zone progresses northward. In the Philippines, rainfall was sporadic, reflective of April's rainfall pattern. Unseasonably dry, warm weather since the end of last summer's rainy season reduced moisture for secondary rice and corn. Seasonable showers are needed to prevent further planting delays of main season rice and corn.

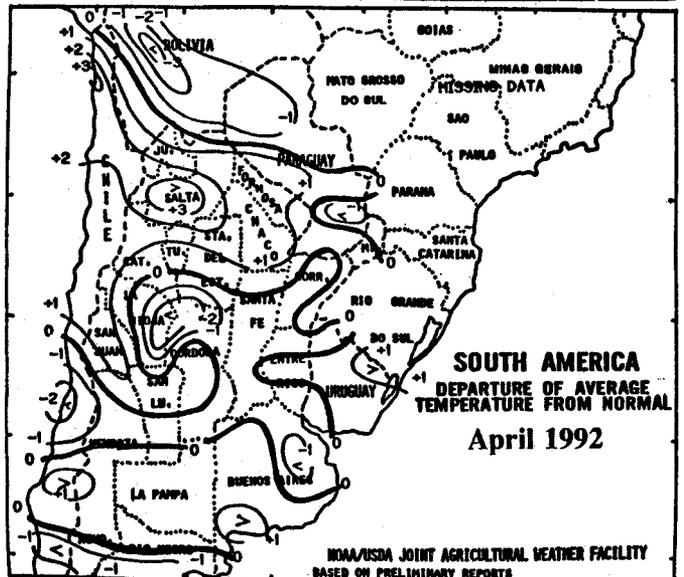
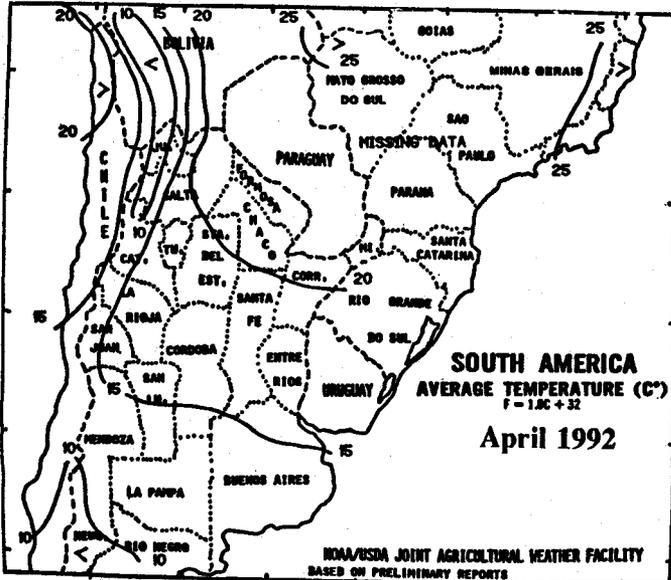
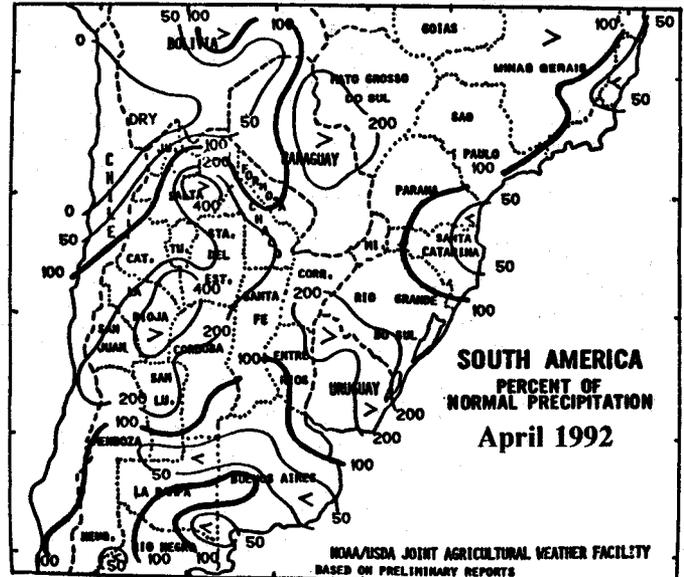
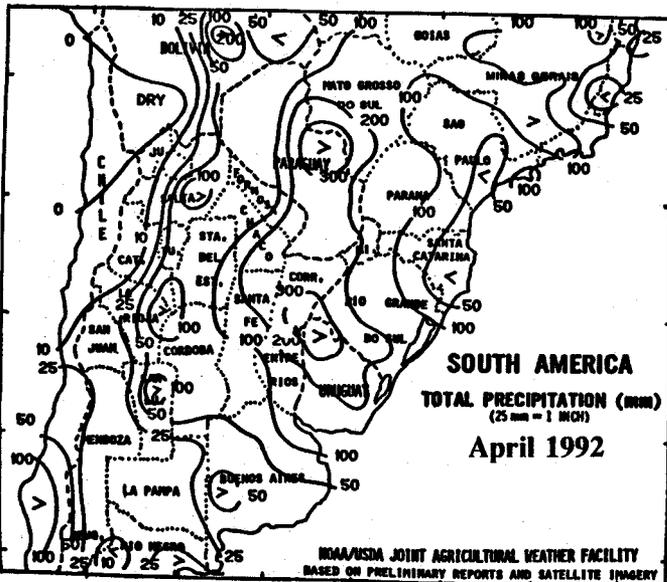
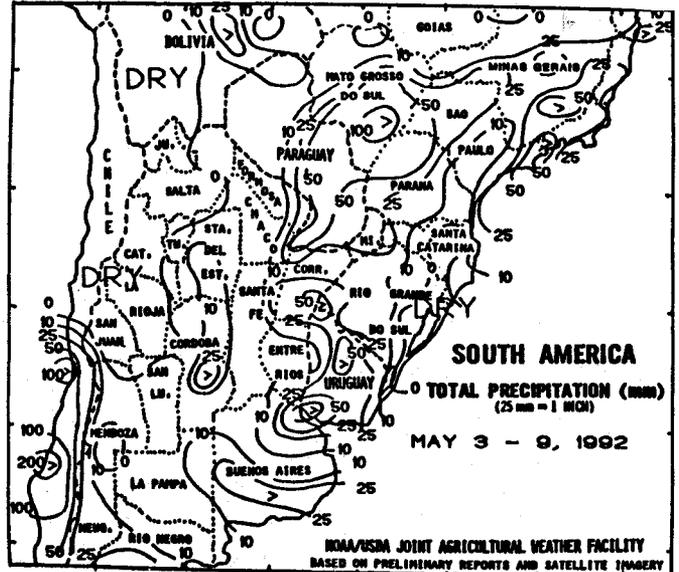


AUSTRALIA: Dry weather favored summer crop harvesting and winter wheat planting across southern Queensland and northern New South Wales. Light rain (10-24 mm), with isolated heavy showers (greater than 100 mm), fell across southern New South Wales and Victoria, benefiting topsoil moisture for winter wheat planting. Scattered tropical showers (75-141 mm) aided sugarcane in northeastern Queensland. Weekly temperatures averaged 3-4 degrees C above normal across the eastern crop areas. Soil moisture supplies should be adequate in western wheat areas, although April rainfall was near to below normal. Near-normal rainfall increased soil moisture for winter wheat in the east but slowed summer crop harvesting.

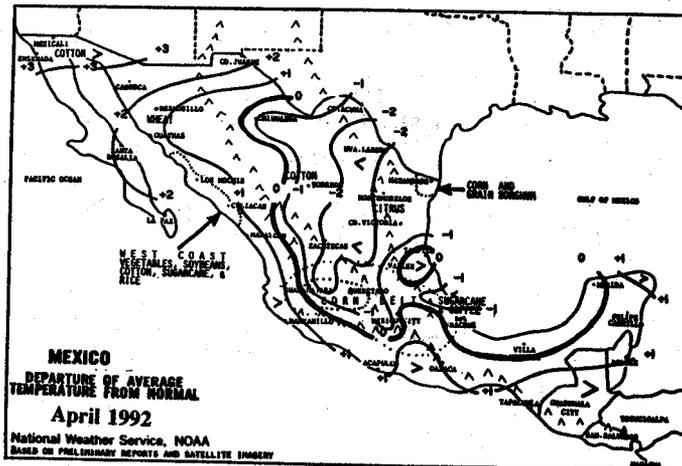
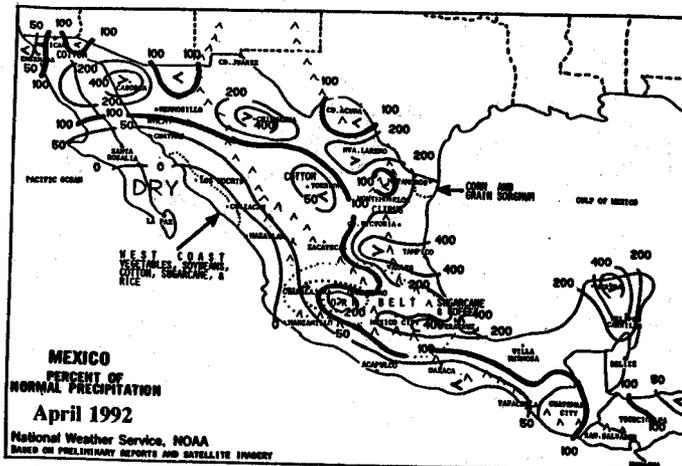
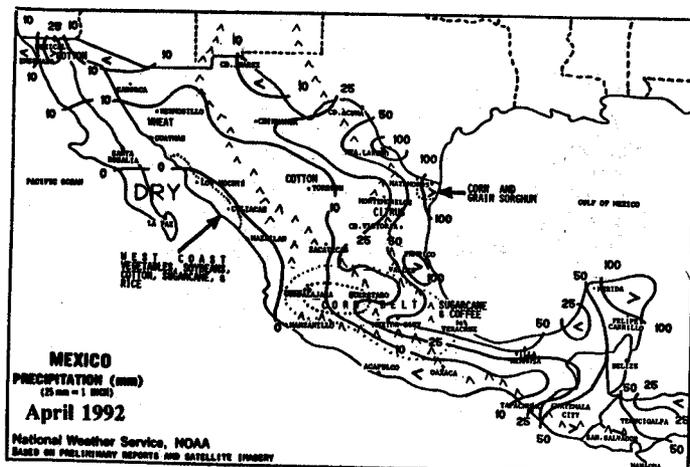
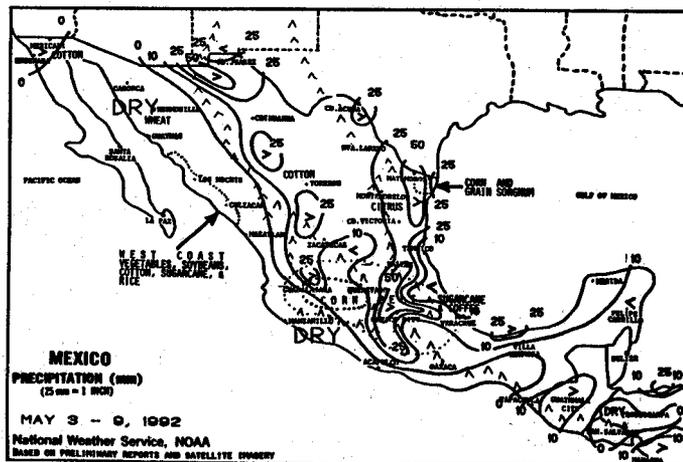


SOUTH AMERICA: Dryness aided the soybean harvest until late-week showers (27-33 mm) slowed fieldwork in Brazil. Moderate to isolated heavy rain (54-107 mm) fell across southern Mato Grosso do Sul, northern Parana, and Sao Paulo, delaying soybean, coffee, and citrus harvesting. Despite heavy rains, soybean harvesting is about three-fourths done, 10 percent behind normal. Light rain (less than 10 mm) favored winter wheat planting and rice harvesting in eastern Rio Grande do Sul. Periodic heavy rains during April fell across portions of southern Brazil, delaying soybean harvesting and lowering crop quality. However, drier weather later in the month favored harvest progress. In Argentina, thunderstorms brought isolated heavy rain (75-110 mm) to northeastern Buenos Aires, near the capital city, but only light rain was reported in the crop areas. In southern Buenos Aires, 9-33 mm of rain fell, aiding soil moisture for winter wheat, where sowing is just beginning. Farther north, favorable harvest weather existed, except for 11-45 mm of rainfall in Cordoba which slowed corn and sorghum harvesting. Below-normal April rainfall favored summer crop harvesting across most of Buenos Aires and southern Santa Fe. Above- to much-above-normal rainfall occurred across northern Argentina, delaying cotton harvesting, but favoring irrigation supplies for fruit and tree crops. Moderate weekly rain (29-75 mm) fell across southern Paraguay, causing further

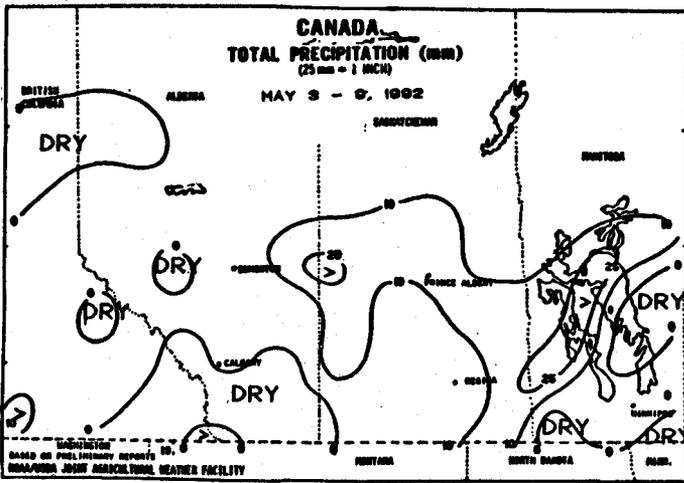
cotton and soybean harvesting delays. Heavy rains (82-227 mm) fell across central Chile (from Temuco northward to Santiago), causing isolated flooding, but the moisture indicates a good start to the winter rainy season. Weekly temperatures averaged 2-4 degrees C above normal across southern Brazil and central Argentina.



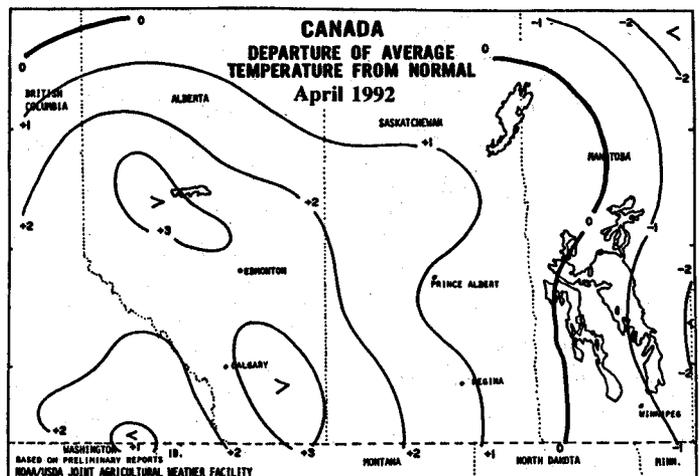
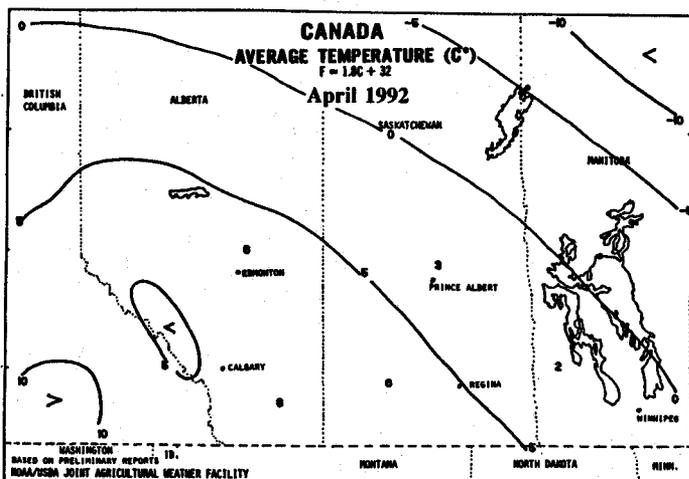
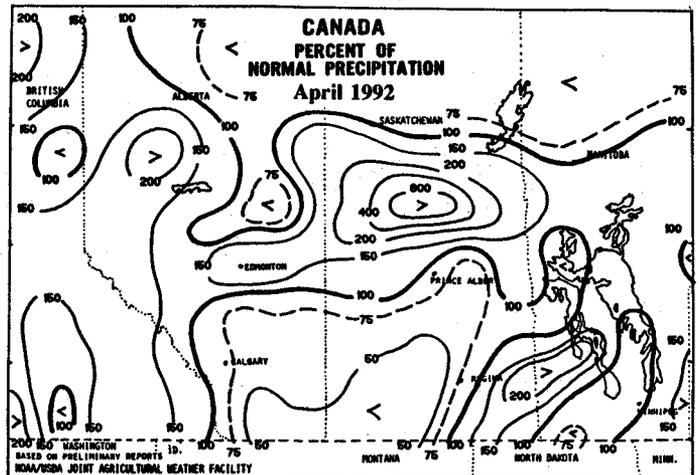
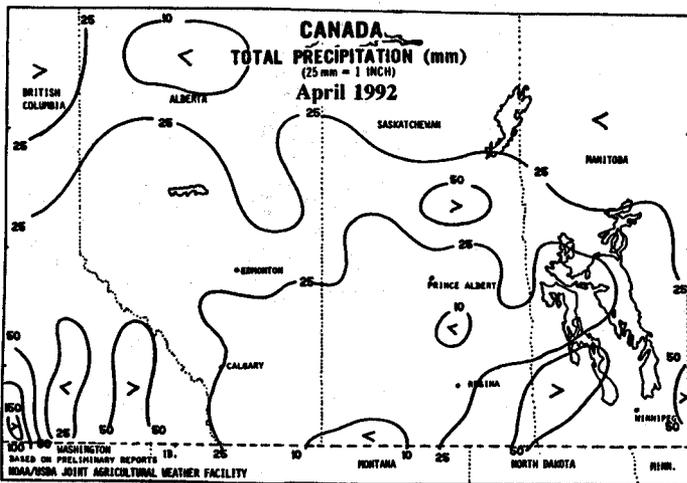
MEXICO: Light to moderate rain (15-90 mm) covered most of the country, except for the west coast, where dry conditions aided winter wheat harvesting. The rains favored germinating corn and flowering coffee, but delayed citrus harvesting in the northeast. For April, the east-central and northern areas received above-normal rainfall where seasonal light rains fell along the western coast.



(Continued from front cover)
for the first time since 1898, and in **Greenville, SC**, in May for the first time on record. Up to 5 inches of rain caused flooding in the **Piedmont of North Carolina**. In the **West**, an approaching storm nudged the record warmth eastward. Daily records fell in locations such as **Dickinson, ND** (87°F), and **Billings, MT** (89°F). In **Hawaii**, briefly enhanced trade winds brought 2-day rainfall of up to 10 inches at windward locations near **Hilo**, easing long-term drought conditions. Late in the week, cold air lingered in the **East**, sending **Tallahassee, FL**, to 38°F. Cooler air overspread the **Northwest**, dropping the mercury to 30°F in **Redmond, OR**. Elsewhere, thunderstorms fired along a cold front draped across the **northern Plains** and **Rockies**. More than 1 inch of rain fell in **Blanding, UT**.



CANADA: Light to moderate showers (5-35 mm) fell across the Prairies but dry weather dominated the southwest and much of southern Manitoba. The moisture was timely for spring wheat and oilseed planting, due to begin in a few weeks. The dryness in Manitoba was welcome for fieldwork following recent showers. However, topsoils are too dry for crop establishment in southern Alberta and southwestern Saskatchewan. Unseasonably warm weather (temperatures 3-6 degrees C above normal) this past week across the Prairies exacerbated evaporative losses from topsoils in the southwest but elsewhere warmed soils for germination. In Ontario, dry, cool weather, with some local frost, covered primary winter wheat areas. In April, drier- and warmer-than-normal weather, reflective of the winter's weather pattern, reduced topsoil moisture in the southwestern 20-25 percent of the spring wheat region. Variable showers and warm weather elsewhere improved planting conditions. Moisture is favorable for Ontario's winter wheat, but cooler-than-normal weather delayed crop greening.



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**Crop Condition
(Percent)**

(Continued from p. 12)

for the Week Ending May 10, 1992

**WINTER WHEAT
(Percent Headed)**

	Current	Last Wk	1991	Avg.
AR	96	75	94	95
CA	97	96	95	95
CO	8	0	0	1
GA	100	96	100	100
ID	0	0	0	0
IL	19	1	19	25
IN	7	1	30	11
KS	65	25	60	40
MI	0	0	0	0
MO	34	15	56	43
MT	0	0	0	0
NE	1	0	0	4
NC	88	75	93	83
OH	0	0	0	0
OK	98	93	93	78
OR	5	0	1	2
SD	0	0	0	0
TX	81	64	77	65
WA	6	0	0	2
19 States	51	35	49	39

These 19 States produced 92% of the 1991 winter wheat crop.

WINTER WHEAT

State	VP	P	F	G	EX
AR	0	0	6	65	29
CA	0	0	5	65	30
CO	6	15	38	37	4
GA	0	0	31	68	1
ID	0	4	26	52	18
IL	14	10	35	41	0
IN	10	22	52	16	0
KS	10	19	45	18	8
MI	5	10	30	40	15
MO	6	19	58	15	2
MT	8	22	38	29	3
NE	6	23	54	17	0
NC	0	1	6	91	2
OH	6	14	37	37	6
OK	0	2	61	37	0
OR	0	4	30	62	4
SD	5	23	44	26	2
TX	0	1	24	66	9
WA	0	0	45	55	0
19 State	5	11	41	37	6
Prev Week	2	11	35	45	7
Prev Year	4	13	40	37	6

RICE

State	VP	P	F	G	EX
AR	0	11	74	15	0
CA	NA	NA	NA	NA	NA
LA	0	4	34	62	0
MS	0	15	44	41	0
TX	NA	NA	NA	NA	NA
3 State	0	10	59	31	0
Prev Week	NA	NA	NA	NA	NA
Prev Year	NA	NA	NA	NA	NA

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

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