

WEEKLY WEATHER AND CROP BULLETIN

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

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

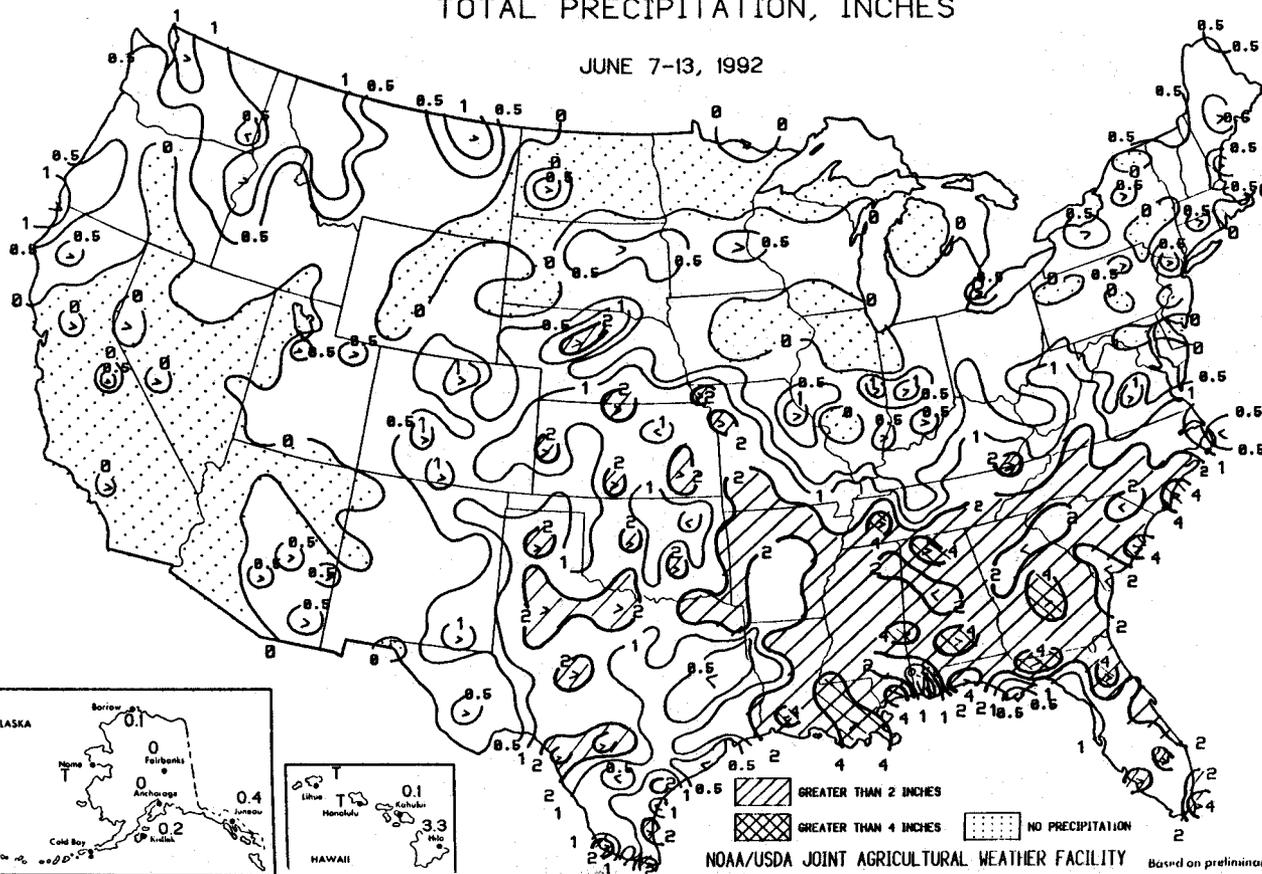
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Washington, D.C.

June 16, 1992

TOTAL PRECIPITATION, INCHES

JUNE 7-13, 1992



HIGHLIGHTS

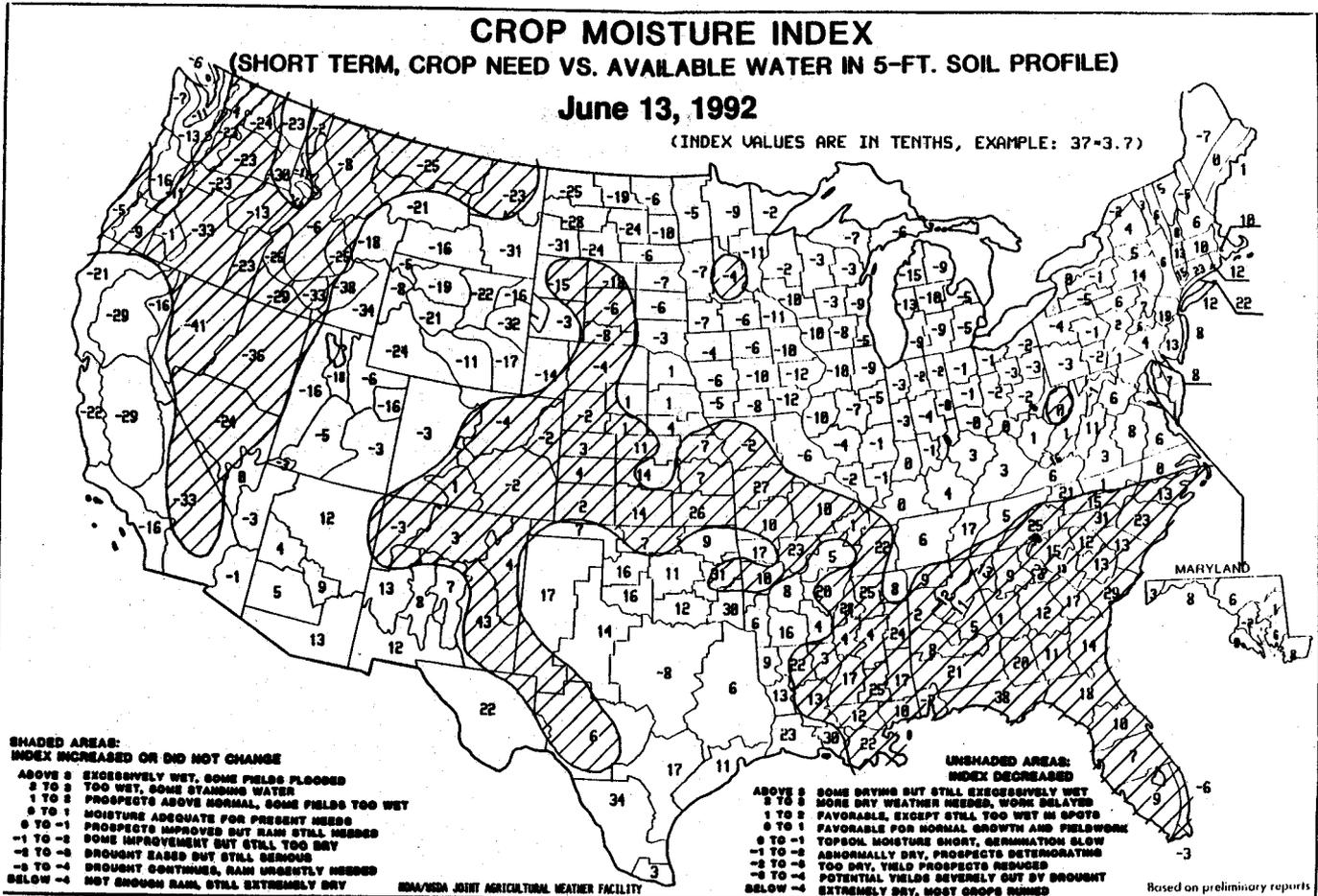
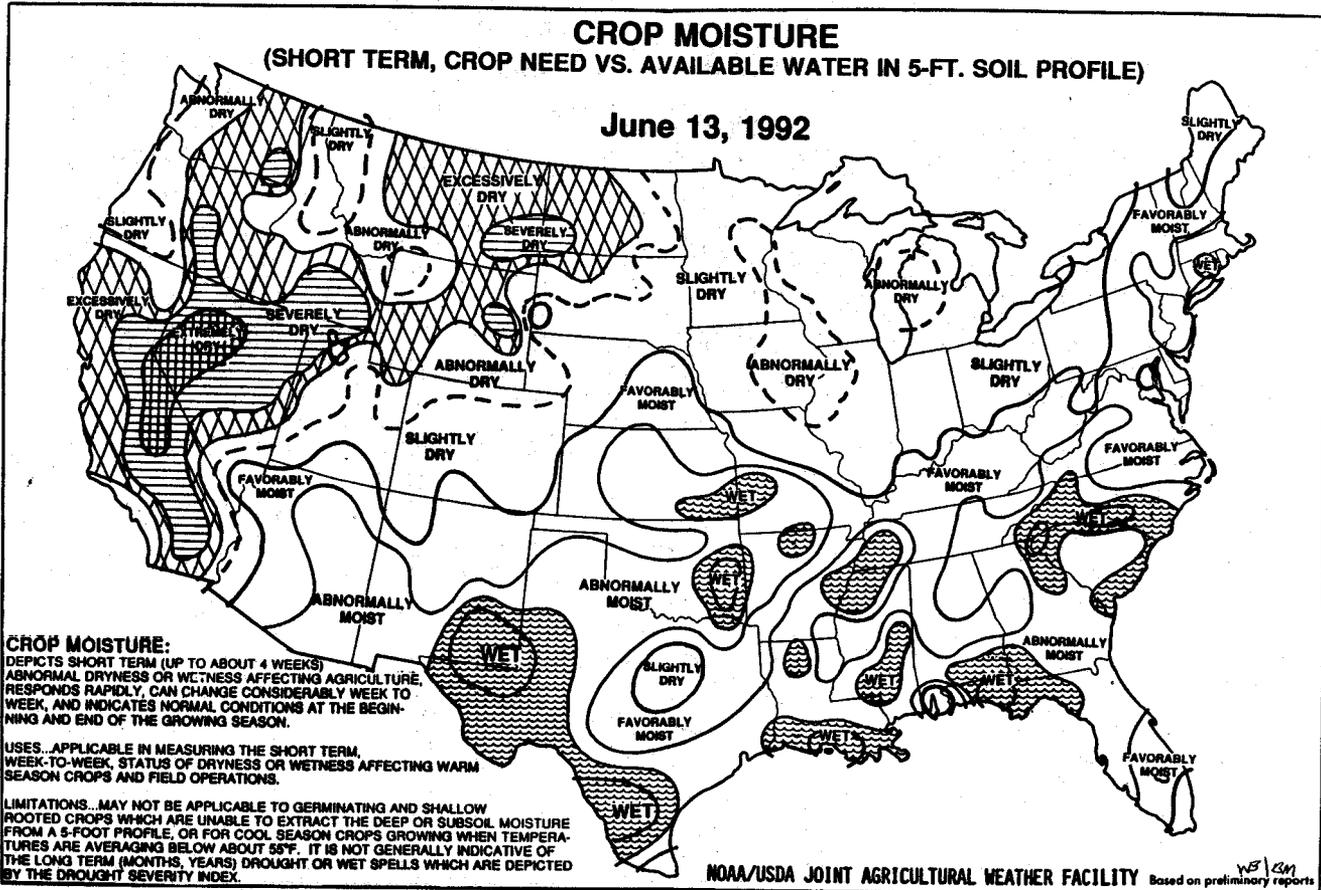
June 7 - 13, 1992

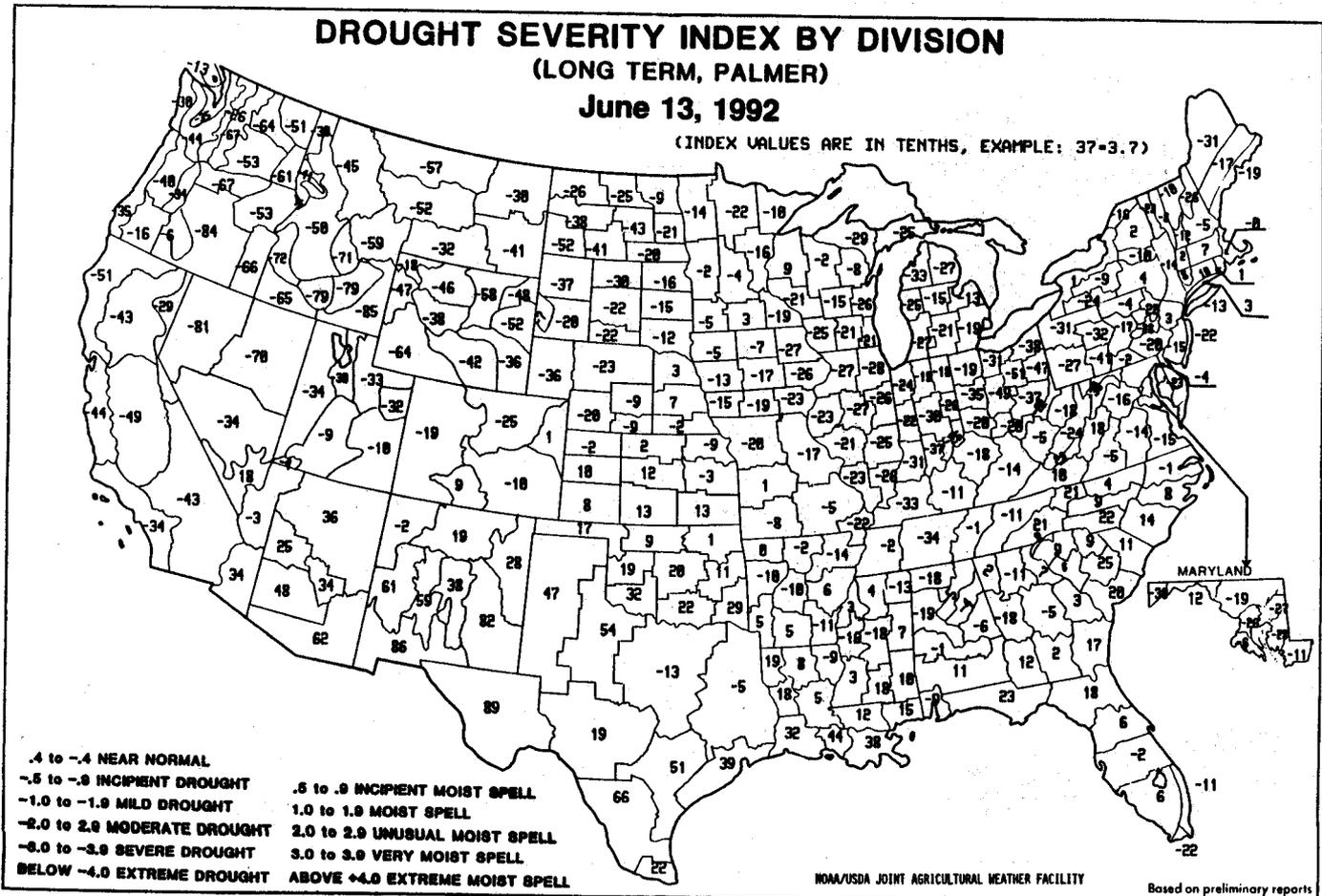
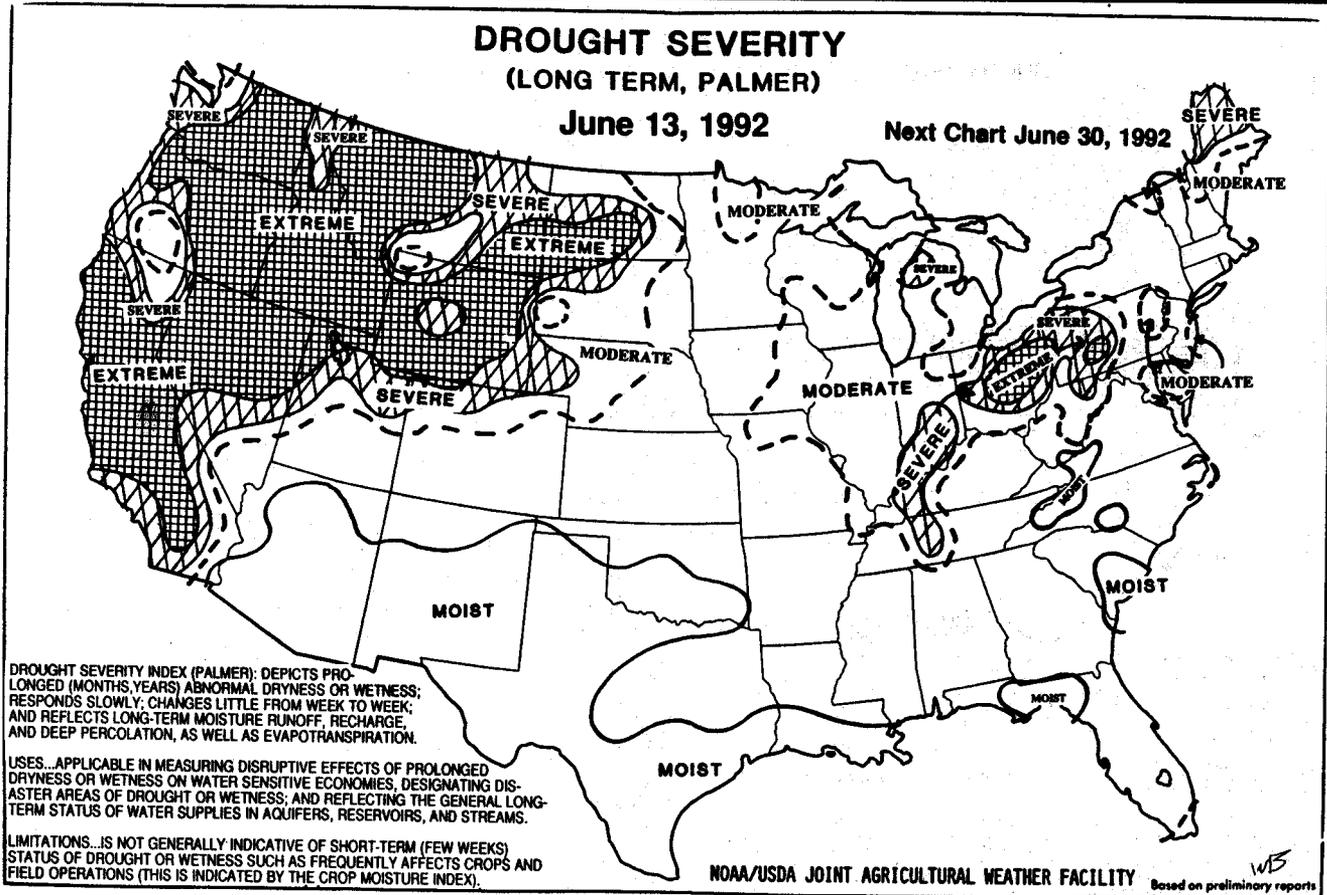
Dry weather continued over the **Corn Belt** as a high pressure system blanketed the **North Central and Northeastern States**. Humid, thunderstorm-ripe air was suppressed southward across the **South Central and Southeastern States**. A late-week weather pattern change brought significant cooling and widespread precipitation to the **Northwest**. Early in the week, downpours drenched scattered areas from **eastern New Mexico to Florida**. More than 3 inches of rain soaked **Wichita Falls, TX**, and up to 6 inches inundated **western Florida**. But under fair skies in the **northern Plains, Bismarck, ND**, cooled to 33°F. At midweek, heavy rainfall and localized flooding continued to affect areas from the **east-central Plains** southward and eastward. Year-to-date rainfall in **San Antonio, TX**, surpassed 33 inches during the week, which is well above the normal annual total of 29.13 inches.

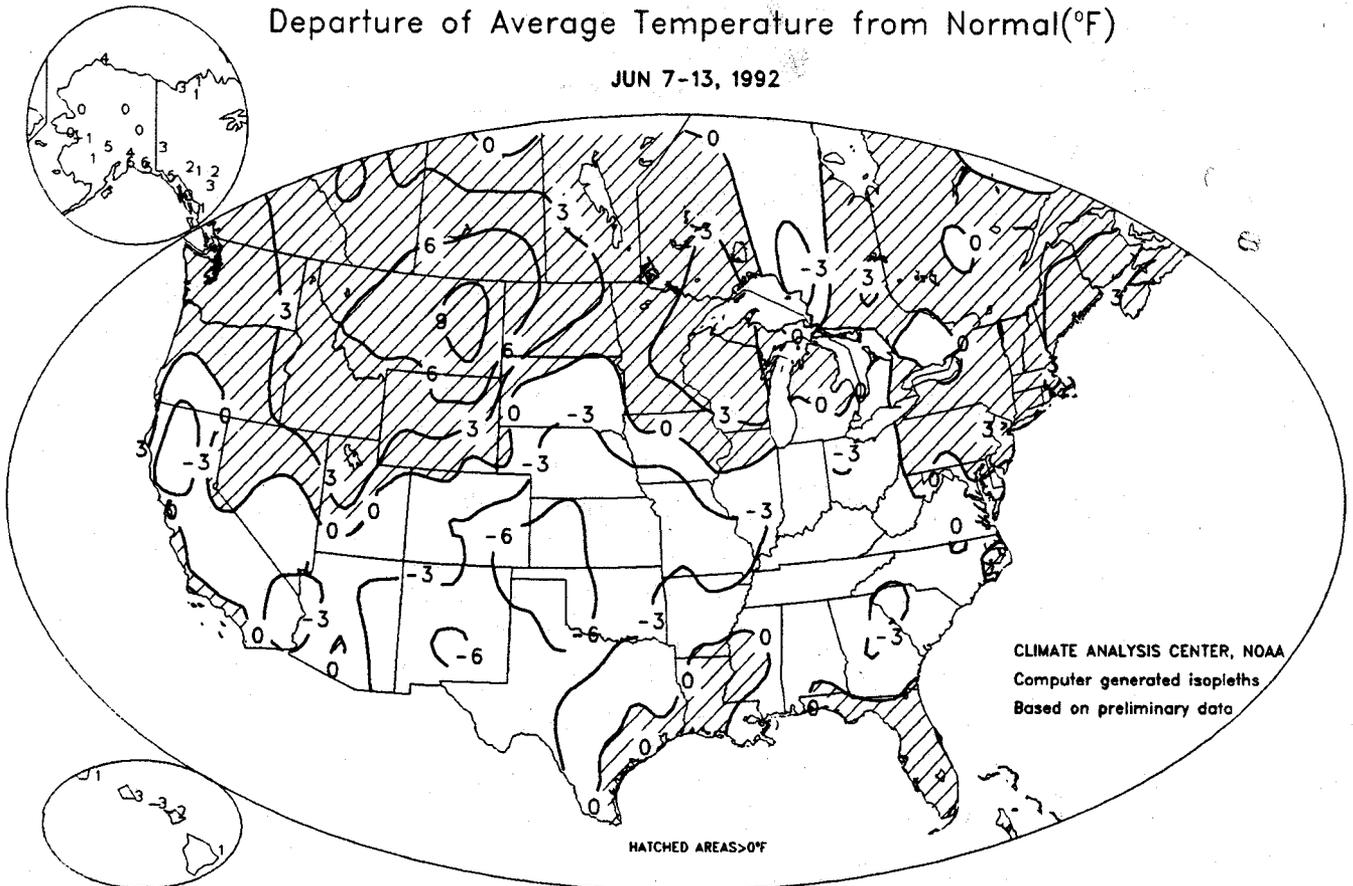
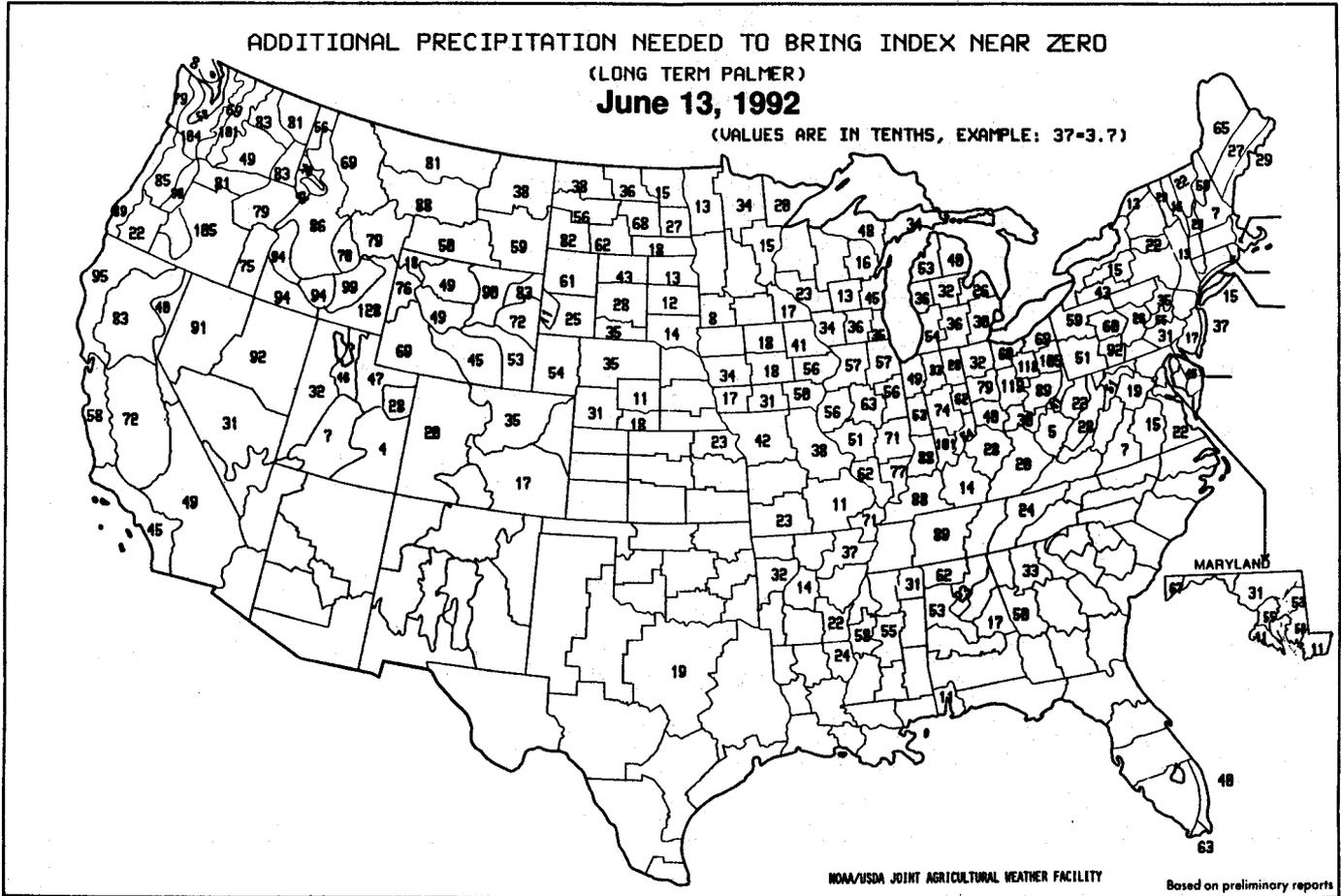
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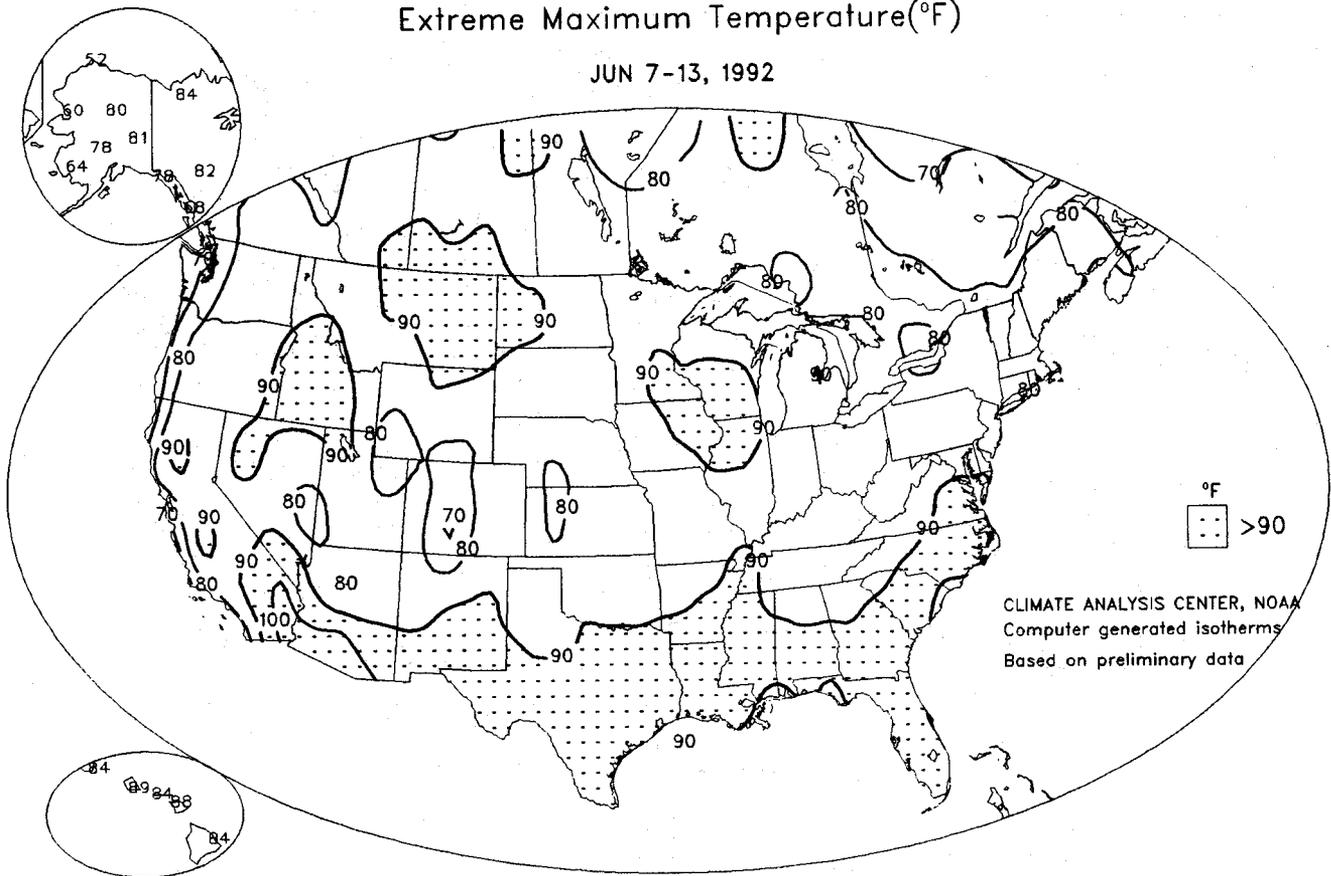






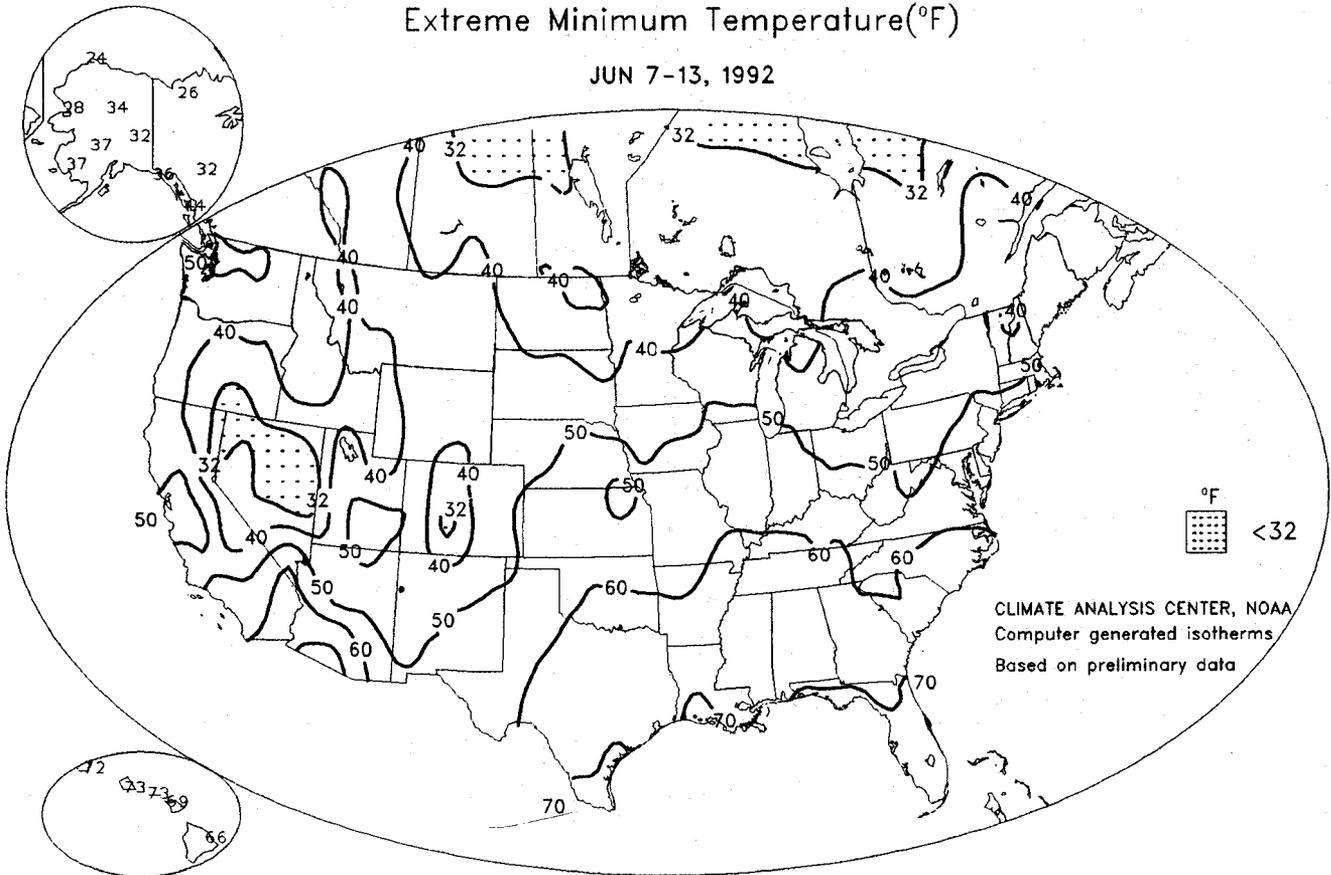
Extreme Maximum Temperature(°F)

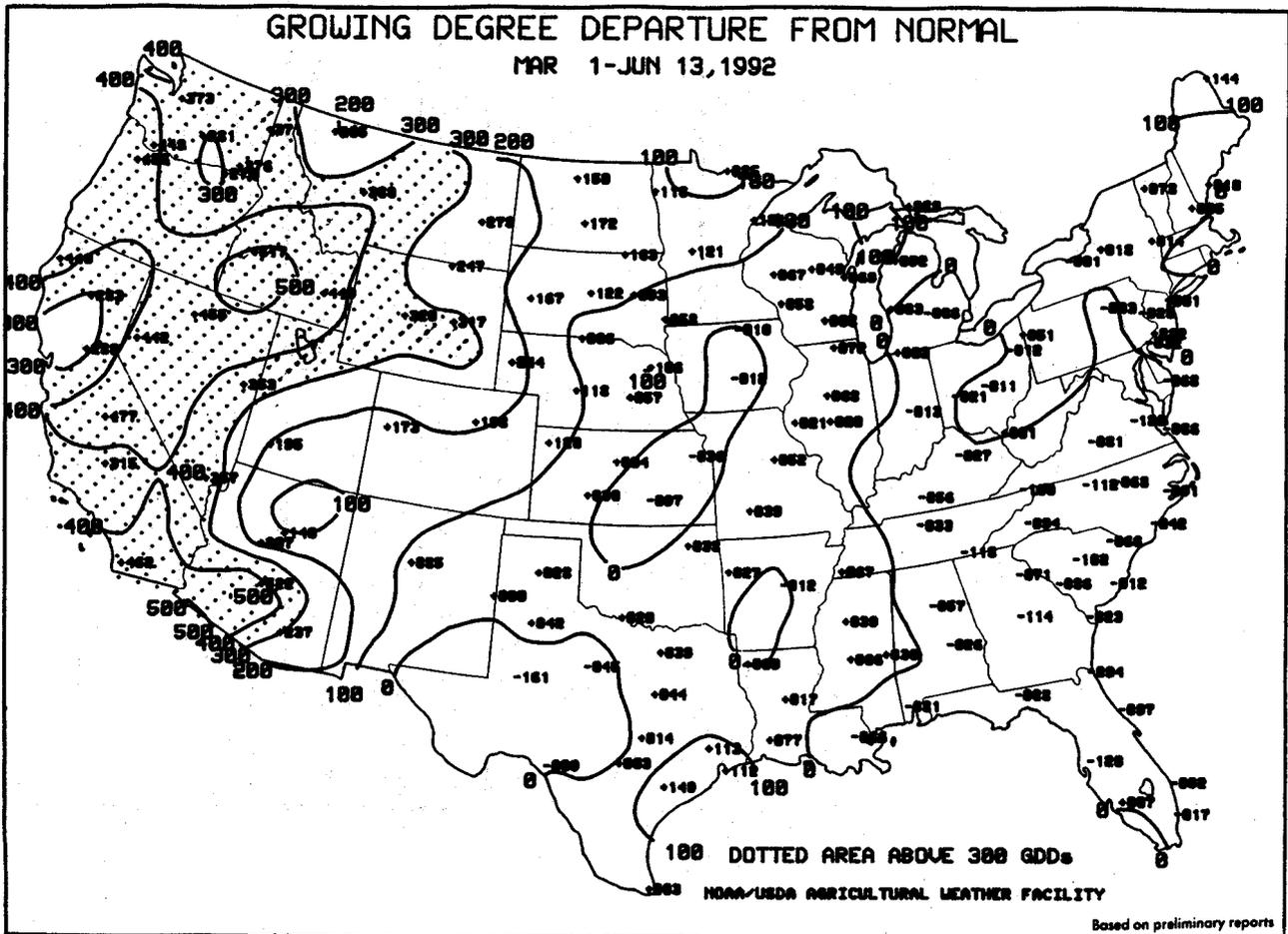
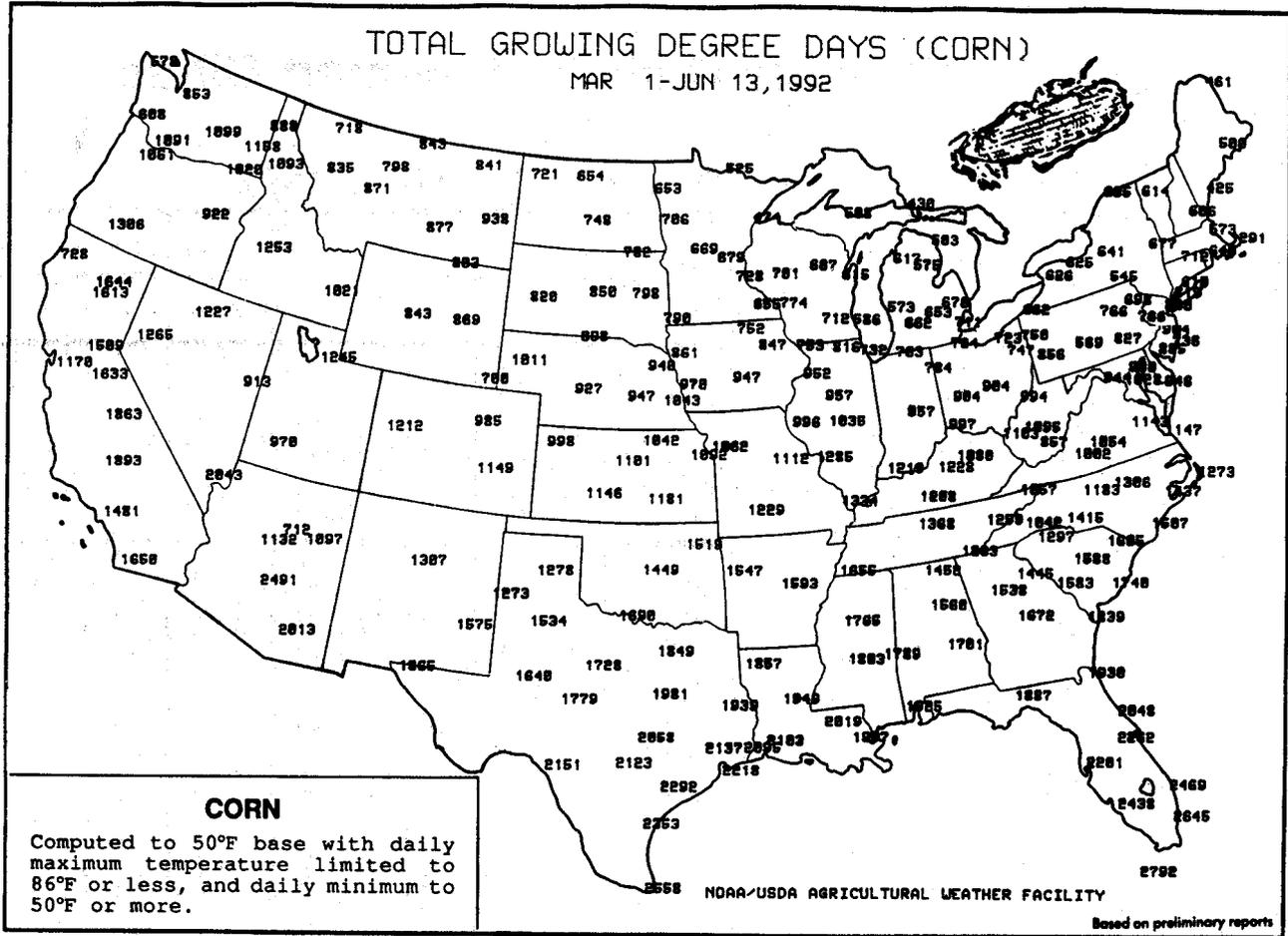
JUN 7-13, 1992



Extreme Minimum Temperature(°F)

JUN 7-13, 1992





National Weather Data for Selected Cities

Weather Data for the Week Ending June 13, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.
													.01 INCH OR MORE							.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	83	68	89	66	75	-1	3.2	2.4	1.4	3.8	254	18.6	68	96	65	0	0	0	0	4	3	
MOBILE	71	89	68	79	-1	1.4	2.4	1.7	1.2	2.4	120	29.4	102	99	67	0	0	0	0	4	3	
MONTGOMERY	86	69	93	66	78	-1	3.8	3.0	1.1	5.2	364	29.2	119	98	61	0	0	0	0	5	4	
AK ANCHORAGE	70	49	73	46	60	6	0	0	0	0	3	3.2	83	83	39	0	0	0	0	0	0	
BARROW	42	31	52	24	37	5	1	1	1	1	118	4.6	65	98	66	0	0	0	0	0	0	
FAIRBANKS	77	42	85	34	60	1	0	0	0	1.0	204	4.3	158	78	66	0	0	0	0	0	0	
JUNEAU	69	47	77	45	58	6	4	3	1.0	83	35.9	196	92	42	0	0	0	0	0	0	0	
KODIAK	62	50	72	47	56	7	2	8	2.2	114	28.6	111	88	63	0	0	0	0	0	0	0	
NOME	53	35	66	26	44	0	0	0	0	0	0	2.3	68	96	56	0	0	0	0	0	0	
AZ PHOENIX	99	74	103	68	87	2	0	0	0	100	0	6.6	263	39	13	0	0	0	0	0	0	
PRESCOTT	81	49	83	46	65	-3	1	1	1	533	7.6	217	63	20	0	0	0	0	0	0	0	
TUCSON	98	64	101	63	81	-1	1	1	1	>1000	6.5	257	43	13	0	0	0	0	0	0	0	
YUMA	99	71	101	67	85	1	0	0	0	0	3.2	354	11	13	0	0	0	0	0	0	0	
AR FORT SMITH	84	66	88	60	75	-2	3.3	2.5	2.7	5.0	295	19.7	103	99	60	0	0	0	0	0	0	
LITTLE ROCK	85	66	91	63	75	-2	3	9	4	3.6	215	20.9	84	93	66	0	0	0	0	4	1	
CA BAKERSFIELD	87	61	95	50	74	-3	0	0	0	0	0	5.6	146	67	26	3	0	0	0	0	0	
EUREKA	63	52	66	50	57	3	7	6	0	0	0	14.5	66	87	64	0	0	0	0	2	1	
FRESNO	86	60	95	55	73	0	0	0	0	0	0	9.0	129	77	30	0	0	0	0	0	0	
LOS ANGELES	72	60	75	57	66	1	0	0	0	0	0	11.6	140	87	58	0	0	0	0	0	0	
REDDING	82	57	93	45	70	0	2	1	2	2	40	18.7	77	82	28	3	0	0	0	0	0	
SACRAMENTO	80	53	87	48	67	4	1	0	1	1	140	9.9	93	87	31	0	0	0	0	1	0	
SAN DIEGO	73	64	74	60	69	3	0	0	0	0	0	9.9	162	79	58	0	0	0	0	0	0	
SAN FRANCISCO	68	55	72	52	62	3	0	0	0	0	0	12.9	104	85	50	0	0	0	0	0	0	
CO DENVER	78	51	85	46	64	1	5	1	3	1.0	145	7.5	101	85	34	0	0	0	0	3	0	
GRAND JUNCTION	84	56	89	52	70	-1	1	1	1	2	81	4.4	124	57	17	0	0	0	0	3	0	
FURBLO	80	49	89	46	65	5	9	6	1.8	377	4.1	100	92	37	0	0	0	0	3	1		
CT BRIDGEPORT	78	60	82	57	69	2	2	2	3.3	266	15.7	84	82	46	0	0	0	0	1	0	0	
HARTFORD	82	56	88	49	69	2	0	0	0	4.3	293	19.5	98	88	41	0	0	0	0	1	0	
DC WASHINGTON	84	63	90	59	73	0	1	0	0	7	48	15.2	91	91	44	1	0	0	0	2	0	
FL APALACHICOLA	89	75	91	72	82	3	4	7	1.3	71	19.6	102	100	1	0	0	0	0	3	0	0	
DAYTONA BEACH	89	72	93	69	81	2	1.9	4	4.0	151	16.4	97	98	59	4	0	0	0	3	5	1	
JACKSONVILLE	91	72	93	70	82	2	2.2	9	3.8	158	27.6	140	96	56	5	0	0	0	4	2	1	
KEY WEST	89	79	91	74	84	1	1.2	0	1.1	2.1	96	9.5	78	89	66	2	0	0	0	3	1	
MIAMI	89	76	91	73	82	2	2.5	3	3.8	95	12.8	64	95	64	3	0	0	0	5	3	3	
ORLANDO	92	74	94	71	83	2	2.6	1.0	4.8	172	22.5	129	99	54	7	0	0	0	7	2	2	
TALLAHASSEE	89	71	93	70	80	1	5.7	4.2	2.8	6.9	265	29.3	108	100	63	2	0	0	5	3	3	
TAMPA	91	74	93	72	83	2	0	7	2.6	127	10.9	69	96	57	7	0	0	0	2	0	0	
WEST PALM BEACH	89	74	93	72	82	1	1.0	9	2.0	56	13.7	66	94	62	4	0	0	0	3	1	1	
GA ATLANTA	79	67	87	61	73	-2	1.4	7	3.8	273	17.9	71	97	71	0	0	0	0	5	1	0	
AUGUSTA	84	67	93	62	75	-1	2.0	1.1	1.3	3.2	193	19.8	92	99	69	3	0	0	4	2	3	
MACON	83	69	92	64	76	-2	4.3	3.5	2.9	5.1	325	22.3	97	96	67	2	0	0	4	3	0	
SAVANNAH	85	71	93	66	78	0	1.7	4	7	6.1	265	23.1	113	96	65	3	0	0	5	2	2	
HI HILO	83	69	84	66	76	1	3.3	1.9	1.0	4.4	163	20.5	33	94	61	0	0	0	7	3	3	
HONOLULU	88	75	89	73	82	3	0	1	0	17	3.8	29	76	46	0	0	0	0	1	0	0	
KAHULUI	86	72	88	69	79	3	1	0	1	2	220	6.5	57	88	59	0	0	0	1	0	0	
LIHUE	83	74	84	72	79	2	0	4	2	20	11.7	55	84	63	0	0	0	0	2	0	0	
ID BOISE	86	54	96	44	70	6	8	6	5	178	2.9	45	60	20	4	0	0	0	2	0	0	
LEWISTON	80	55	89	47	68	3	1	2	1	18	4.2	64	58	27	0	0	0	0	2	0	0	
POCATELLO	82	46	90	38	64	3	0	3	0	0	2.3	40	78	17	1	0	0	0	0	0	0	
IL CHICAGO	81	52	91	48	66	-1	0	0	0	1	7	7.6	52	85	29	1	0	0	0	0	0	
MOLINE	86	52	93	48	69	-1	0	0	0	1	3	7.4	47	86	28	2	0	0	0	1	0	0
PEORIA	83	57	91	53	70	0	0	0	0	5	28	8.1	53	83	34	1	0	0	0	0	0	
QUINCY	81	58	87	54	70	-2	6	4	1.1	61	11.3	71	66	29	0	0	0	0	1	1	1	
ROCKFORD	84	56	93	53	70	-2	0	1	7	34	9.1	60	83	31	1	0	0	0	0	0	0	
SPRINGFIELD	82	57	87	52	69	-3	6	2	1.3	88	9.7	63	92	39	0	0	0	0	1	1	0	
IN EVANSVILLE	79	62	84	59	71	-3	1	7	1	5	31	12.0	58	90	56	0	0	0	2	0	0	
FORT WAYNE	80	53	88	49	66	-3	0	1	6	38	13.5	86	83	38	0	0	0	0	1	0	0	
INDIANAPOLIS	80	57	85	52	68	-3	8	1	5	1.3	80	12.2	69	81	40	0	0	0	2	1	0	
SOUTH BEND	80	53	89	50	66	-2	2	7	6	39	10.3	64	89	33	0	0	0	0	1	0	0	
IA DES MOINES	81	59	89	52	70	-1	0	0	0	5	27	11.2	83	78	38	0	0	0	0	0	0	
SIOUX CITY	81	58	87	50	70	-1	2	8	1	5	30	10.1	93	85	40	0	0	0	2	0	0	
WATERLOO	85	56	92	48	71	3	0	0	0	1	10.2	75	76	27	2	0	0	0	0	0	0	
KS CONCORDIA	77	58	83	51	67	-5	1.5	5	8	4.1	219	13.9	120	97	54	0	0	0	4	2	0	
DODGE CITY	75	58	79	52	66	-7	6	1	3	2.6	197	8.0	90	98	58	0	0	0	3	0	0	
GOODLAND	73	54	82	51	64	-5	1.5	9	9	3.2	265	7.2	101	97	58	0	0	0	2	2	0	
TOPEKA	78	57	83	49	67	-6	1.7	5	1.5	2.3	103	14.6	108	98	53	0	0	0	4	1	1	
WICHITA	80	60	84	52	70	-5	1.4	5	1.3	3.5	203	13.1	112	95	53	0	0	0	3	1	1	
KY BOWLING GREEN	79	64	82	60	71	-2	3	8	2	1.5	75	18.5	76	97	64	0	0	0	3	0	0	
LEXINGTON	77	62	81	57	70	-2	8	2	7	2.1	116	19.0	87	91	59	0	0	0	2	1	0	
LOUISVILLE	80	64	84	60	72	-1	3	5	3	1.1	68	16.8	79	88	55	0	0	0	2	0	0	
LA ALEXANDRIA	89	72	91	70	81	1	1.1	2	8	4.0	233	29.5	111	95	56	3	0	0	5	1	0	
BATON ROUGE	89	71	93	68	80	0	6.9	6.3	3.0	8.8	756	34.9	135	97	58	4	0	0	3	4	4	
LAKE CHARLES	89	74	92	72	82	2	1.5	6	1.0	5.1	282	34.0	151	100	65	3	0	0	3	1	1	
NEW ORLEANS	87	72	91	68	79	0	5.4	4.4	3.3	7.3	386	36.3	137	97	69	1	0	0	6	4	4	

Based on 1951-80 normals.

Weather Data for the Week Ending June 13, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS								
	AVERAGE	MAXIMUM	MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																				.01 INCH OR MORE	.50 INCH OR MORE		
SHREVEPORT	92	68	94	67	80	0	.2	-.7	.1	2.2	141	25.3	113	98	52	6	0	0	0	0	0	0	
ME CARIBOU	73	51	82	42	62	2	.6	-.1	.5	1.0	75	13.8	100	90	44	6	0	0	0	0	0	0	
PORTLAND	79	52	85	47	65	1	.1	-.7	.1	3.4	256	19.2	97	91	39	0	0	0	0	0	0	0	
MD BALTIMORE	84	60	89	55	72	1	.0	-.7	.0	.8	52	13.8	76	92	43	0	0	0	0	0	0	0	
SALISBURY	82	58	90	49	70	4	.4	-.5	.4	2.1	138	16.3	86	96	55	1	1	1	1	1	0	0	
MA BOSTON	80	61	87	57	71	4	.4	-.3	.4	3.4	255	16.1	79	80	43	0	0	0	0	0	0	0	
CHATEAM	69	47	76	35	63	4	.4	-.7	.4	4.0	318	15.2	70	91	62	0	0	0	0	0	0	0	
MT ALPENA	81	47	92	38	64	3	.0	-.7	.0	.4	26	9.0	77	88	32	2	2	0	0	0	0	0	
DETROIT	80	55	88	49	67	3	.5	-.3	.5	.6	43	12.9	96	82	34	0	0	0	0	0	0	0	
FLINT	80	51	88	45	66	1	.3	-.5	.3	.4	27	11.1	90	86	33	0	0	0	0	0	0	0	
GRAND RAPIDS	81	51	89	47	66	1	.0	-.8	.0	.3	20	11.8	83	93	32	0	0	0	0	0	0	0	
BOUGHTON LAKE	80	49	89	37	64	2	.0	-.7	.0	.0	2	8.1	72	77	31	0	0	0	0	0	0	0	
LANSING	80	50	87	43	65	3	.3	-.6	.3	.9	56	13.1	105	91	34	0	0	0	0	0	0	0	
MARQUETTE	75	47	88	36	61	1	.1	-.9	.1	.1	5	10.5	65	89	38	0	0	0	0	0	0	0	
MUSKOGON	77	49	85	45	63	1	.1	-.5	.1	.3	24	8.9	67	88	32	0	0	0	0	0	0	0	
SAULT ST. MARIE	73	42	83	38	57	0	.3	-.8	.3	.2	13	9.6	76	84	43	0	0	0	0	0	0	0	
MN ALEXANDRIA	78	57	86	42	67	3	.3	-.6	.3	.8	47	8.2	84	88	40	0	0	0	0	0	0	0	
DULUTH	77	48	85	35	63	5	.0	-.9	.0	.6	37	8.4	77	89	37	0	0	0	0	0	0	0	
INT'L FALLS	77	47	87	35	62	2	.3	-.8	.3	.3	18	6.7	81	92	35	0	0	0	0	0	0	0	
MINNEAPOLIS	82	57	92	44	70	3	.8	-.2	.4	.8	48	6.8	65	86	37	2	2	0	0	0	0	0	
ROCHESTER	81	55	89	42	68	2	.0	-.9	.0	.1	4	9.0	83	84	36	0	0	0	0	0	0	0	
MS GREENWOOD	88	69	93	68	79	0	3.8	3.0	1.7	5.7	395	20.4	73	96	58	3	0	0	0	0	0	0	
JACKSON	90	69	94	65	79	1	2.2	1.5	1.6	2.8	205	15.7	59	99	56	4	0	0	0	0	0	0	
MERIDIAN	89	71	91	67	80	2	6.1	5.3	2.7	6.9	489	29.3	107	92	52	3	0	0	0	0	0	0	
MO CAPE GIRARDEAU	82	66	85	64	74	0	.1	-.7	.1	2.1	131	15.5	71	91	57	0	0	0	0	0	0	0	
COLUMBIA	80	59	86	54	70	3	.2	-.7	.2	1.5	89	11.2	65	84	43	0	0	0	0	0	0	0	
KANSAS CITY	79	58	85	50	68	6	2.4	1.3	2.1	2.7	129	15.6	104	97	47	0	0	0	0	0	0	0	
SAINT LOUIS	83	63	86	59	73	1	1	-.9	.3	.3	20	10.7	67	73	34	0	0	0	0	0	0	0	
SPRINGFIELD	80	61	85	52	71	2	3.8	2.7	2.3	4.4	215	14.2	80	97	59	0	0	0	0	0	0	0	
MT BILLINGS	85	55	93	47	70	8	.0	-.5	.0	.1	13	5.1	63	73	21	2	0	0	0	0	0	0	
GLASGOW	89	57	97	47	73	10	1.3	.7	1.3	1.4	129	3.2	72	71	21	4	0	0	0	0	0	0	
GREAT FALLS	81	52	89	44	66	6	1.0	.3	.9	1.4	106	6.0	75	78	28	0	0	0	0	0	0	0	
HAVRE	85	55	96	44	70	8	.4	-.1	.4	.5	48	1.7	31	67	25	3	0	0	0	0	0	0	
HELENA	83	50	92	43	67	8	.5	.0	.4	.7	76	2.9	52	76	24	1	0	0	0	0	0	0	
KALISPELL	79	45	88	38	62	5	1.6	1.1	1.4	1.6	160	6.7	91	89	31	0	0	0	0	0	0	0	
MILES CITY	92	59	99	48	75	10	.2	-.5	.2	.2	15	4.4	64	67	22	5	0	0	0	0	0	0	
MISSOULA	81	48	89	41	64	6	1.1	.7	.5	1.6	181	5.7	87	84	31	0	0	0	0	0	0	0	
NE GRAND ISLAND	75	57	82	51	66	4	1.9	1.0	1.8	3.7	219	13.7	126	93	55	0	0	0	0	0	0	0	
LINCOLN	78	57	86	50	68	4	.1	-.9	.0	1.5	85	9.5	78	95	51	0	0	0	0	0	0	0	
NORFOLK	79	57	85	50	68	2	.4	-.7	.3	1.3	65	8.6	80	90	45	0	0	0	0	0	0	0	
NORTH PLATTE	74	54	79	48	64	3	.2	-.7	.2	.4	21	9.0	101	93	56	0	0	0	0	0	0	0	
OMAHA	79	61	86	56	70	2	.1	-.9	.1	.5	28	11.8	93	76	47	0	0	0	0	0	0	0	
SCOTTSBLUFF	80	53	86	49	66	0	.9	-.2	.5	1.5	109	6.7	91	94	36	0	0	0	0	0	0	0	
VALENTINE	77	52	85	48	64	3	.1	-.7	.1	.9	64	4.6	60	93	46	0	0	0	0	0	0	0	
NV ELY	75	39	82	22	57	1	1	-.2	.0	.1	32	3.3	71	58	18	0	0	0	0	0	0	0	
LAS VEGAS	93	69	98	60	81	1	.0	.0	.0	.1	>1000	6.7	391	33	12	5	0	0	0	0	0	0	
RENO	80	49	88	35	64	3	.1	.0	.1	.1	29	1.5	35	58	17	0	0	0	0	0	0	0	
WINNEMUCCA	82	46	91	30	64	2	.1	-.1	.1	.1	19	1.5	36	60	15	2	1	1	1	1	0	0	
NH CONCORD	82	50	88	40	66	2	.2	-.5	.2	2.5	198	12.7	82	96	37	0	0	0	0	0	0	0	
NJ ATLANTIC CITY	80	55	90	49	68	0	.3	-.4	.2	3.2	283	13.1	72	93	43	1	0	0	0	0	0	0	
NM ALBUQUERQUE	84	56	89	50	70	1	.1	-.1	.1	.6	388	4.1	179	67	22	0	0	0	0	0	0	0	
CLOVIS	82	57	88	54	69	4	.9	.3	.9	1.5	133	10.8	197	89	33	0	0	0	0	0	0	0	
ROSWELL	87	60	95	55	74	4	.7	.5	.3	.8	205	7.9	292	86	32	2	0	0	0	0	0	0	
NY ALBANY	81	53	87	46	67	1	.0	-.8	.0	1.4	95	12.6	82	98	45	0	0	0	0	0	0	0	
BINGHAMTON	76	54	81	47	65	0	.2	-.5	.2	.9	59	17.7	113	78	39	0	0	0	0	0	0	0	
BUFFALO	77	54	82	48	65	0	.0	-.5	.2	.3	25	15.8	102	84	37	0	0	0	0	0	0	0	
NEW YORK	83	66	87	62	74	4	.3	-.4	.3	2.1	159	13.4	71	72	40	0	0	0	0	0	0	0	
ROCHESTER	79	53	86	47	66	0	.6	-.1	.6	.9	69	14.0	102	86	38	0	0	0	0	0	0	0	
SYRACUSE	79	53	87	49	66	0	.3	-.5	.3	.7	46	18.4	112	89	39	0	0	0	0	0	0	0	
NC ASHEVILLE	73	61	83	55	67	2	2.8	2.0	1.2	4.8	297	25.2	123	98	72	0	0	0	0	0	0	0	
CHARLOTTE	79	66	91	62	73	1	2.7	1.9	1.1	4.8	313	23.5	112	91	64	2	0	0	0	0	0	0	
GREENSBORO	78	64	90	60	71	1	1.2	.3	.8	2.2	132	19.7	103	93	62	1	0	0	0	0	0	0	
HATTERAS	80	69	86	61	74	1	.4	-.6	.3	.5	30	21.8	99	95	64	0	0	0	0	0	0	0	
NEW BERN	83	68	91	66	76	0	2.3	1.2	1.8	3.7	176	20.9	98	92	56	2	0	0	0	0	0	0	
RALEIGH	81	66	90	62	74	0	1.9	1.1	1.5	2.2	140	15.7	83	94	55	2	0	0	0	0	0	0	
WILMINGTON	82	67	91	64	75	0	4.5	3.2	3.6	5.5	246	31.0	150	96	63	1	0	0	0	0	0	0	
ND BISMARCK	83	49	90	33	66	1	.0	-.7	.0	.2	18	2.9	43	90	31	1	0	0	0	0	0	0	
FARGO	80	53	89	38	67	2	.0	-.7	.0	.5	40	6.2	86	87	38	0	0	0	0	0	0	0	
GRAND FORKS	80	52	88	43	66	3	.0	-.7	.0	.5	42	6.6	99	85	35	0	0	0	0	0	0	0	
WILLISTON	88	53	94	37	70	7	.0	-.6	.0	.1	8	5.0	85	78	24	3	0	0	0	0	0	0	
OH AKRON-CANTON	78	53	83	46	65	2	.0	-.7	.0	.1	6	14.6	90	87	42	0	0	0	0	0	0	0	
CINCINNATI	77	60	81	55	69	2	.4	-.6	.4	.8	46	14.5	76	87	50	0	0	0	0	0	0	0	
CLEVELAND	75	52	86	45	64	4	.0	-.8	.0	.9	60	16.7	106	91	41	0	0	0	0	0	0	0	
COLUMBUS	79	59	83	51																			

Weather Data for the Week Ending June 13, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.		
																		.01 INCH OR MORE	.50 INCH OR MORE			
DAYTON	79	57	84	53	68	0	.7	-2	.7	1.5	90	17.1	103	84	45	0	0	1	1	0	0	
TOLEDO	80	51	88	45	66	0	.2	-7	.2	4.4	28	13.5	97	90	36	0	0	0	0	0	0	0
YOUNGSTOWN	79	49	86	42	64	0	.3	-8	.3	23	13.7	84	93	40	0	0	0	0	0	0	0	0
OK OKLAHOMA CITY	81	64	85	61	72	0	.5	-5	.5	2.2	122	14.2	97	96	57	0	0	0	0	0	0	0
TULSA	84	64	86	59	74	0	.4	-7	.3	2.6	124	16.2	91	96	58	0	0	0	0	0	0	0
OR ASTORIA	63	52	64	50	57	1	.1	-6	.1	.1	5	24.3	70	92	62	0	0	0	0	0	0	0
BURNS	75	44	85	34	60	0	.3	-2	.3	.3	114	2.7	52	65	23	0	0	0	0	0	0	0
MEDFORD	76	49	91	47	63	0	.7	-6	.4	.7	206	5.0	50	85	33	1	0	0	0	0	0	0
PENDLETON	78	54	85	50	66	0	.7	-5	.5	.7	200	3.7	59	60	26	0	0	0	0	0	0	0
PORTLAND	72	54	77	51	63	0	.2	-2	.2	.2	24	14.4	77	83	47	0	0	0	0	0	0	0
SALEM	73	49	80	44	61	0	.3	-0	.3	.3	49	14.8	71	86	40	0	0	0	0	0	0	0
PA ALLENTOWN	84	59	87	54	72	0	.3	-7	.3	1.5	106	13.8	72	87	40	0	0	0	0	0	0	0
ERIE	75	55	82	49	65	0	.3	-7	.3	.4	22	12.8	81	84	44	0	0	0	0	0	0	0
HARRISBURG	81	60	86	52	71	1	1	-9	1	1.2	77	13.0	73	78	31	0	0	0	0	0	0	0
PHILADELPHIA	84	65	90	59	74	4	4	-9	4	1.2	75	10.6	58	84	37	1	0	0	0	0	0	0
PITTSBURGH	80	56	85	51	68	1	2	-8	1	.1	6	12.1	70	80	35	0	0	0	0	0	0	0
SCRANTON	80	55	85	47	68	0	1	-8	0	.4	26	11.5	79	86	39	0	0	0	0	0	0	0
RI PROVIDENCE	82	58	86	54	70	0	4	0	4	3.1	252	17.8	86	82	41	0	0	0	0	0	0	0
SC CHARLESTON	83	70	90	65	77	0	4.1	2.7	1.7	5.5	206	24.1	116	98	70	1	0	0	0	0	0	0
COLUMBIA	83	66	94	59	75	0	3.7	2.7	1.7	4.3	236	20.1	88	97	61	2	0	0	0	0	0	0
FLORENCE	83	68	92	63	75	0	1.3	-3	.8	2.2	120	14.7	76	95	61	2	0	0	0	0	0	0
GREENVILLE	76	64	88	60	70	0	1.7	-7	1.1	3.5	189	27.4	110	96	71	0	0	0	0	0	0	0
SD ABERDEEN	78	50	88	38	64	0	.5	-3	.5	1.1	81	4.0	50	94	42	0	0	0	0	0	0	0
HURON	78	52	87	43	65	0	.4	-4	.4	.9	60	6.1	70	95	46	0	0	0	0	0	0	0
RAPID CITY	77	50	86	43	64	0	1	-7	0	.6	30	6.2	76	95	44	0	0	0	0	0	0	0
SIoux FALLS	79	55	88	47	68	0	.2	-7	.2	.5	30	9.2	89	90	42	0	0	0	0	0	0	0
TN CHATTANOOGA	80	65	87	61	72	0	2.4	1.7	.8	5.1	363	23.0	87	98	71	0	0	0	0	0	0	0
KNOXVILLE	80	66	86	62	73	0	1.8	.9	1.2	2.5	152	19.0	81	98	71	0	0	0	0	0	0	0
MEMPHIS	84	68	88	67	76	0	3.3	2.5	1.4	5.8	360	21.9	82	95	64	0	0	0	0	0	0	0
NASHVILLE	80	66	84	64	73	0	2	-7	2	2.6	162	16.6	67	93	66	0	0	0	0	0	0	0
TX ABILENE	88	64	91	62	76	0	1.2	-6	.6	1.8	156	13.6	138	93	44	3	0	0	0	0	0	0
AMARILLO	79	58	83	55	69	0	2.3	1.4	2.0	5.0	327	11.6	158	94	48	0	0	0	0	0	0	0
AUSTIN	90	70	95	68	80	0	1	-1	.3	3.3	221	31.1	213	96	51	4	0	0	0	0	0	0
BEAUMONT	90	71	92	67	81	0	2.3	1.2	2.3	8.2	400	36.7	162	100	64	4	0	0	0	0	0	0
BROWNSVILLE	92	75	93	73	84	1	1.5	-.8	1.5	1.5	122	16.8	204	96	60	4	0	0	0	0	0	0
CORPUS CHRISTI	89	73	93	72	81	0	0	-2	.6	1.5	86	26.4	240	96	64	4	0	0	0	0	0	0
DEL RIO	90	70	93	64	80	-3	1.8	1.1	1.1	2.5	321	16.2	241	77	45	5	0	0	0	0	0	0
EL PASO	93	63	99	57	78	-2	1	-1	1	.1	86	6.4	388	52	15	5	0	0	0	0	0	0
FORT WORTH	90	69	94	65	80	-1	1	-2	.4	1.5	127	19.8	127	91	48	4	0	0	0	0	0	0
GALVESTON	87	77	89	74	82	1	.3	-.6	.3	2.7	176	31.7	210	92	68	0	0	0	0	0	0	0
HOUSTON	91	70	93	65	81	0	1.4	-.3	.8	3.1	154	33.9	168	98	54	6	0	0	0	0	0	0
LUBBOCK	85	60	89	58	73	-4	1.3	-.7	.8	3.2	262	14.5	214	99	51	0	0	0	0	0	0	0
MIDLAND	87	62	91	59	75	-5	1.2	-.9	1.1	1.7	255	15.1	302	98	45	2	0	0	0	0	0	0
SAN ANGELO	89	64	92	62	76	-4	2.5	2.1	1.2	4.6	513	13.8	186	94	51	3	0	0	0	0	0	0
SAN ANTONIO	90	69	93	65	80	-2	3.3	2.5	1.9	5.1	353	34.4	273	96	53	4	0	0	0	0	0	0
VICTORIA	91	73	97	71	82	1	.3	-.8	.3	1.3	63	36.7	248	96	54	6	0	0	0	0	0	0
WACO	91	69	96	66	80	-1	1	-.8	.4	1.4	108	23.4	150	97	49	5	0	0	0	0	0	0
WICHITA FALLS	86	65	90	64	76	-4	3.5	2.8	2.3	5.5	395	14.3	114	93	47	2	0	0	0	0	0	0
UT CEDAR CITY	80	50	83	38	65	0	0	-1	0	.2	135	5.1	114	53	19	0	0	0	0	0	0	0
SALT LAKE CITY	85	57	91	47	71	5	5	-2	5	0	6.0	70	62	20	2	0	0	0	0	0	0	0
VT BURLINGTON	79	55	86	44	67	3	0	-9	3	1.3	84	11.6	89	87	39	0	0	0	0	0	0	0
VA NORFOLK	82	65	94	59	74	0	1.0	-.3	1.0	1.9	134	15.8	84	95	51	2	0	0	0	0	0	0
RICHMOND	83	62	92	55	73	0	.1	-.7	.1	.5	37	18.2	102	98	49	2	0	0	0	0	0	0
ROANOKE	77	60	86	53	68	-3	1.3	-.5	.9	5.4	370	25.1	141	99	63	0	0	0	0	0	0	0
WA QUILLAYUTE	61	51	64	48	56	1	.7	-.0	.3	.7	49	48.9	93	96	70	0	0	0	0	0	0	0
SEATTLE-TACOMA	68	53	74	51	60	1	.4	-.1	.2	.4	59	17.3	94	93	54	0	0	0	0	0	0	0
SPOKANE	76	52	83	45	64	4	1.0	-.7	.6	1.0	175	6.3	75	68	32	0	0	0	0	0	0	0
YAKIMA	79	50	88	44	65	1	1	-1	1	1	15	2.1	53	83	28	0	0	0	0	0	0	0
WV BECKLEY	75	59	82	55	67	2	.4	-.5	.2	2.5	153	18.6	96	92	57	0	0	0	0	0	0	0
CHARLESTON	80	58	85	54	69	-1	.5	-.2	.4	1.1	81	18.1	95	96	52	0	0	0	0	0	0	0
HUNTINGTON	80	60	83	56	70	-1	1	-.2	.1	1.3	95	16.9	89	95	54	0	0	0	0	0	0	0
PARKERSBURG	80	58	83	52	69	-1	.8	-.1	.8	1.5	91	14.5	82	89	49	0	0	0	0	0	0	0
WI GREEN BAY	82	53	91	46	67	4	1	-7	1	3	8.4	74	90	39	2	0	0	0	0	0	0	0
LACROSSE	83	58	94	50	71	3	.1	-.9	.1	.1	5	10.2	83	83	33	3	0	0	0	0	0	0
MADISON	83	54	92	48	69	3	1	-.9	1	2	8.4	67	84	33	2	0	0	0	0	0	0	0
MILWAUKEE	78	59	90	53	69	5	.1	-.7	.1	1.3	88	9.6	73	73	35	1	0	0	0	0	0	0
WAUSAU	80	54	90	46	67	3	.1	-.8	.1	.1	8	10.9	90	96	37	1	0	0	0	0	0	0
WY CASPER	82	48	87	45	65	4	.1	-.2	.1	.2	25	4.1	65	87	22	0	0	0	0	0	0	0
CHEYENNE	75	47	80	40	61	0	.2	-.3	.2	.3	31	4.7	73	93	34	0	0	0	0	0	0	0
LANDER	79	51	84	45	65	4	1	-.4	1	.2	21	6.2	79	69	20	0	0	0	0	0	0	0
SHERIDAN	82	50	89	46	66	5	1	-.6	1	.4	41	5.0	62	83	28	0	0	0	0	0	0	0

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F) May 1992

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL BIRMINGHAM	48	12	NEW ORLEANS	5	5	CINCINNATI	172	29
MOBILE	16	16	SHREVEPORT	23	14	DAYTON	187	16
MONTGOMERY	25	15	ME CARIBOU	381	-78	TOLEDO	245	8
AK ANCHORAGE	575	-5	PORTLAND	414	36	YOUNGSTOWN	264	-3
BARROW	1365	-67	MD BALTIMORE	161	46	OK OKLAHOMA CITY	59	19
FAIRBANKS	711	190	SALISBURY	188	84	TULSA	53	20
JUNEAU	572	-2	MA BOSTON	317	99	OR ASTORIA	309	-88
KODIAK	616	-60	CHATHAM	424	46	BURNS	246	-159
NOBE	1154	246	MI ALPENA	392	-27	MEDFORD	48	-197
AZ FLAGSTAFF	356	-112	DETROIT	224	-23	PENDLETON	127	-93
PHOENIX	0	0	FLINT	266	-22	PORTLAND	108	-155
PRESCOTT	98	-157	GRAND RAPIDS	262	0	SALEM	152	-164
TUCSON	0	-7	HOUGHTON LAKE	341	-23	PA ALLENTOWN	197	7
WINSLOW	125	-7	LANSING	294	25	ERIE	258	-65
YUMA	0	0	MARQUETTE	398	-71	HARRISBURG	170	20
AR FORT SMITH	51	17	MUSKEGON	304	16	PHILADELPHIA	124	-3
LITTLE ROCK	47	28	SAULT ST MARIE	405	-75	PITTSBURGH	210	9
CA BAKERSFIELD	0	-36	MN ALEXANDRIA	226	-91	SCRANTON	209	-18
EUREKA	248	-149	DULUTH	355	-101	RI PROVIDENCE	246	7
FRESNO	0	-53	INT'L FALLS	335	-104	SC CHARLESTON	28	22
LOS ANGELES	0	-106	MINNEAPOLIS	190	-48	COLUMBIA	47	25
REDDING	0	-59	ROCHESTER	239	-38	FLORENCE	38	20
SACRAMENTO	0	-83	SAINTE CLOUD	259	-46	GREENVILLE	94	54
SAN DIEGO	1	-70	MS GREENWOOD	18	2	SD ABERDEEN	224	-50
SAN FRANCISCO	52	-174	JACKSON	18	6	HURON	217	-42
STOCKTON	0	-53	MERIDIAN	21	2	RAPID CITY	262	-36
CO DENVER	158	-95	MO CAPE GIRARDEAU	89	17	STIOUX FALLS	187	-53
GRAND JCT.	53	-95	COLUMBIA	136	16	TN CHATTANOOGA	98	42
PUEBLO	125	-38	KANSAS CITY	137	25	KNOXVILLE	113	50
CT BRIDGEPORT	225	5	SAINT LOUIS	95	-15	MEMPHIS	30	7
HARTFORD	218	21	SPRINGFIELD	112	5	NASHVILLE	85	30
DE WILMINGTON	169	39	MT BILLINGS	232	-86	TX ABILENE	30	22
DC WASHINGTON	127	60	GLASGOW	254	-78	AMARILLO	98	6
FL APALACHICOLA	13	13	GREAT FALLS	307	-62	AUSTIN	4	4
DAYTONA BEACH	15	15	HAVRE	295	-38	BEAUMONT	7	7
FORT MYERS	0	0	HELENA	237	-160	BROWNSVILLE	0	0
JACKSONVILLE	16	16	KALISPELL	325	-94	CORPUS CHRISTI	0	0
KEY WEST	0	0	MILES CITY	198	-73	DEL RIO	0	0
MIAMI	0	0	MISSOULA	261	-139	EL PASO	3	3
ORLANDO	8	8	NE GRAND ISLAND	170	1	FORT WORTH	14	14
TALLAHASSEE	24	24	LINCOLN	150	-1	GALVESTON	0	0
TAMPA	5	5	NORFOLK	176	-5	HOUSTON	4	4
W. PALM BEACH	0	0	NORTH PLATTE	219	-16	LUBBOCK	47	12
GA ATLANTA	50	14	OMAHA	132	2	MIDLAND-ODESSA	29	18
AUGUSTA	45	28	SCOTTSBLUFF	194	-60	SAN ANGELO	20	14
MACON	30	23	VALENTINE	211	-42	SAN ANTONIO	5	5
SAVANNAH	22	22	NV ELY	315	-147	VICTORIA	0	0
ID BOISE	92	-161	LAS VEGAS	0	-24	WACO	10	10
LEWISTON	108	-117	RENO	61	-272	WICHITA FALLS	35	18
POCATELLO	154	-194	WINNEMUCCA	106	-228	UT BLANDING	88	-174
IL CHICAGO	284	60	NH CONCORD	319	5	CEDAR CITY	170	-115
MOLINE	181	4	NJ ATLANTIC CITY	269	104	SALT LAKE CITY	57	-163
PEORIA	180	4	NM ALBUQUERQUE	53	-28	VT BURLINGTON	277	-49
QUINCY	167	21	CLOVIS	95	27	VA LYNCHBURG	144	47
ROCKFORD	220	-7	ROSWELL	32	21	NORFOLK	125	72
SPRINGFIELD	154	5	NY ALBANY	210	-42	RICHMOND	142	78
IN EVANSVILLE	118	18	BINGHAMTON	302	-11	ROANOKE	172	73
FORT WAYNE	212	0	BUFFALO	254	-40	WA COLVILLE	266	-66
INDIANAPOLIS	185	27	NEW YORK	156	7	QUILLAYUTE	325	-109
SOUTH BEND	247	17	ROCHESTER	259	-15	SEATTLE-TACOMA	171	-142
IA DES MOINES	192	-4	SYRACUSE	245	-24	SPOKANE	206	-133
DUBUQUE	212	-23	NC ASHEVILLE	169	55	YAKIMA	159	-95
STIOUX CITY	173	14	CAPE HATTERAS	73	36	WV BECKLEY	229	43
WATERLOO	183	-39	CHARLOTTE	83	33	CHARLESTON	170	45
KS CONCORDIA	137	0	GREENSBORO	132	59	HUNTINGTON	160	35
DODGE CITY	135	11	NEW BERN	58	25	PARKERSBURG	176	38
GOODLAND	188	-27	RALEIGH-DURHAM	114	61	WI GREEN BAY	275	-50
TOPEKA	132	15	WILMINGTON	45	35	LA CROSSE	173	-43
WICHITA	113	24	ND BISMARCK	248	-76	MADISON	244	-29
KY BOWLING GREEN	112	34	FARGO	247	-64	MILWAUKEE	278	-56
LEXINGTON	159	38	GRAND FORKS	251	-104	WAUSAU	269	-51
LOUISVILLE	124	26	WILLISTON	313	-22	WY CASPER	283	-101
LA ALEXANDRIA	16	16	OH AKRON-CANTON	251	23	CHEYENNE	307	-90
BATON ROUGE	12	12	CLEVELAND	243	-1	LANDER	240	-144
LAKE CHARLES	5	5	COLUMBUS	190	12	SHERIDAN	289	-83

Based on 1951-80 normals.

Spring Weather in Historical Perspective

The spring of 1992 was warm and dry nationally. The preliminary spring average temperature of 53.5°F was 2°F above normal, and was the ninth warmest reading since 1895. This marked the eighth consecutive spring with temperatures at least 1°F above the 98-year mean (fig. 1). The weighted mean precipitation index ranked the spring of 1992 as the 16th driest such period on record (fig. 2). During the past 20 years, the weighted index was lower only in the spring of 1988.

Regionally, temperatures approached record-high levels in the Southwest (4th warmest spring), West (2nd warmest), Northwest (2nd warmest), and West North Central (4th warmest) regions (table 1). In the West region, where temperatures averaged more than 5°F above normal, only 1934 boasted a warmer spring (fig. 3). Similarly in the Northwest region, only 1934 stands as a benchmark against the warmth of the spring of 1992 (fig. 4). The Northwest also had the misfortune of accompanying dryness (fig. 5). The springs of 1924, 1939, and 1926 still stand as the three driest on record. In contrast to the Northwest's dryness, unusually heavy rains

soaked parts of the Southwest (5th wettest spring; fig. 6) and South regions.

Farther east, cool, dry weather predominated in the Northeast, South, and Central regions. The Southeast logged its coolest spring since 1983, and its 10th coldest on record (fig. 7). The area of dryness encompassed the primary Corn and Soybean Belt (fig. 8), where 1992 spring precipitation was only about 75 percent of normal. Only the springs of 1988 and 1971 were drier during the past 50 years (fig. 9).

State by State, 11 States had their 10th warmest spring, or warmer, in 1992 (AZ, CA, CO, ID, MT, NV, OR, SD, UT, WA, and WY). Wyoming had its warmest spring on record (table 2). Three States (DE, GA, and SC) had a 10th coldest spring, or colder. Only 10 States had a wetter-than-normal spring, but 3 of those (AZ, NM, and TX) ranked within the wettest tenth of the past 98 springs (table 3). The year-to-date rainfall has already exceeded the normal annual total in San Antonio, TX. However, 8 States notched a 10th driest, or drier, spring (AL, ID, IL, ME, MO, OR, TN, and WA).

Figure 1

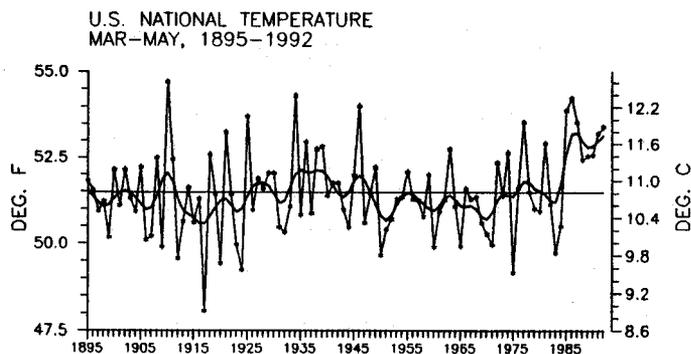


TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR MARCH-MAY 1992, BASED ON THE PERIOD 1895-1992. 1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NATIONAL	16	90
NORTHEAST	33	25
EAST NORTH CENTRAL	31	57
CENTRAL	14	46
SOUTHEAST	24	10
WEST NORTH CENTRAL	14	95
SOUTH	65	60
SOUTHWEST	94	95
NORTHWEST	4	97
WEST	41	97

Figure 2

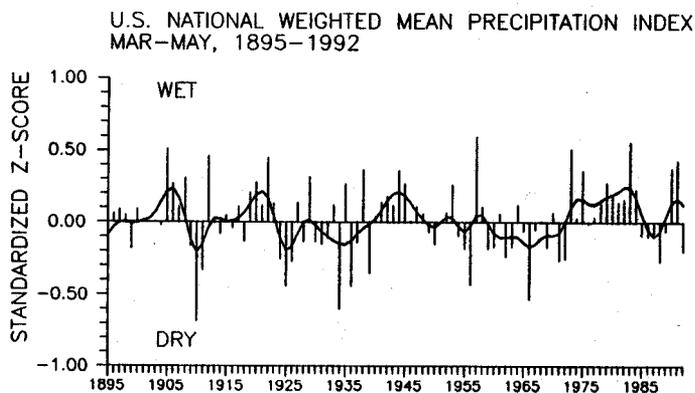


Figure 3

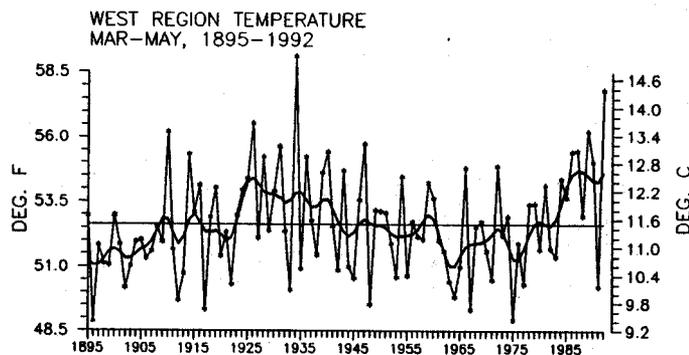


Figure 4

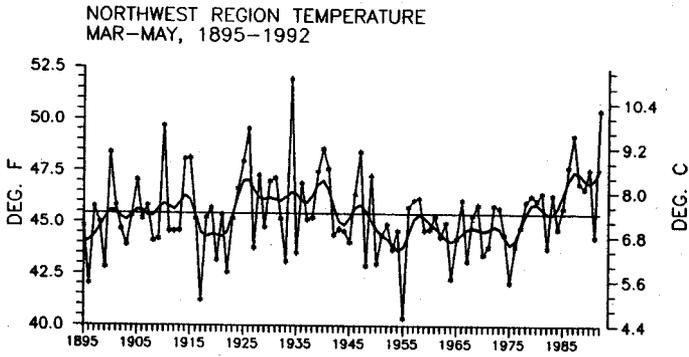


Figure 8

Primary Corn and Soybean Growing Region

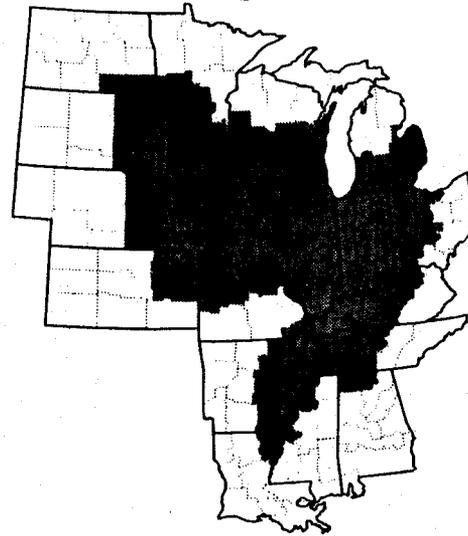


Figure 5

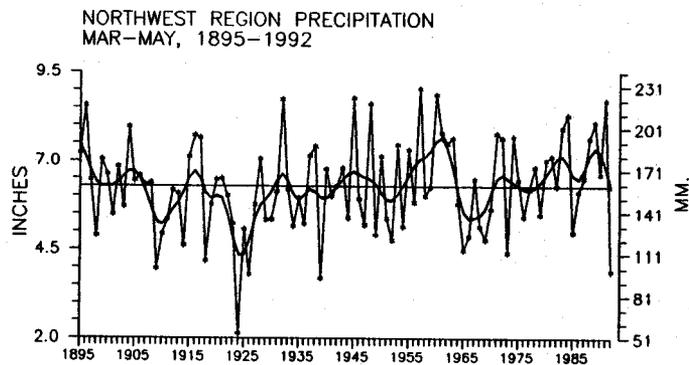


Figure 9

PRIMARY CORN AND SOYBEAN BELT PRECIPITATION
MAR-MAY, 1895-1992

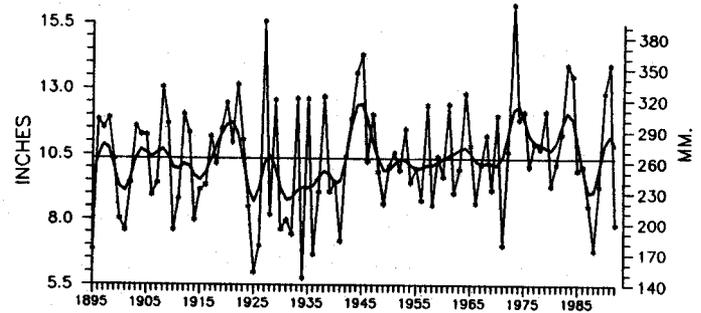


Figure 6

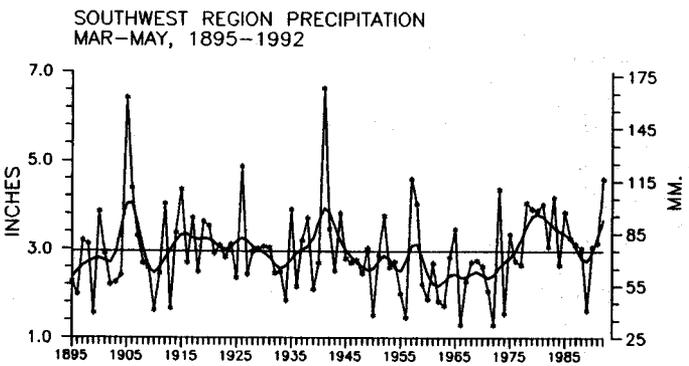


Figure 7

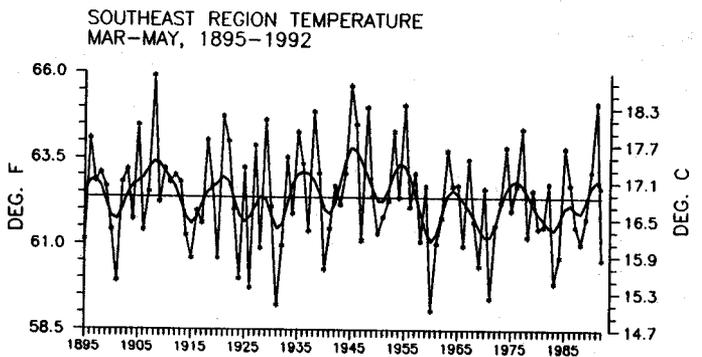


TABLE 2. TEMPERATURE RANKINGS FOR MARCH-MAY 1992, BASED ON THE PERIOD 1895 TO 1992. 1 = COLDEST, 98 = WARMEST.

STATE	RANK	STATE	RANK	STATE	RANK	STATE	RANK
AL	12	IA	68	NE	86	RI	37
AZ	91	KS	75	NV	97	SC	10
AR	50	KY	60	NH	18	SD	90
CA	96	LA	50	NJ	11	TN	34
CO	97	ME	29	NM	67	TX	50
CT	28	MD	17	NY	24	UT	97
DE	10	MA	12	NC	20	VT	38
FL	11	MI	37	ND	87	VA	16
GA	8	MN	66	OH	42	WA	97
ID	97	MS	42	OK	78	WV	27
IL	56	MO	57	OR	97	WI	57
IN	46	MT	96	PA	36	WY	98

TABLE 3. PRECIPITATION RANKINGS FOR MARCH-MAY 1992, BASED ON THE PERIOD 1895 TO 1992. 1 = DRIEST, 98 = WETTEST.

STATE	RANK	STATE	RANK	STATE	RANK	STATE	RANK
AL	8	IA	33	NE	27	RI	17
AZ	95	KS	25	NV	33	SC	52
AR	24	KY	34	NH	14	SD	16
CA	45	LA	34	NJ	16	TN	7
CO	41	ME	8	NM	97	TX	92
CT	49	MD	37	NY	73	UT	51
DE	34	MA	28	NC	43	VT	38
FL	27	MI	17	ND	31	VA	68
GA	23	MN	35	OH	37	WA	5
ID	2	MS	12	OK	63	WV	57
IL	2	MO	7	OR	7	WI	39
IN	12	MT	12	PA	37	WY	60

National Agricultural Summary

June 8 - 14, 1992

HIGHLIGHTS: Rainfall boosted crop prospects, but slowed field activities in the Southeast. Excessive moisture, however, stressed crops in the southern Plains and hail damaged some advanced crops. Warmer weather toward the end of the week assisted crop development in the Midwest, but drying of soils intensified in the central Corn Belt.

SMALL GRAINS: Winter wheat condition remained mostly fair to good for the 19 major producing States, although many regions received rain. Rains late in the week from the Northwest to the Great Plains benefited crop prospects, while heavy rain throughout the Southeast slowed harvest. Ninety-six percent of the winter wheat acreage was headed in the 19 major States, 3 percentage points ahead of last year and 2 points ahead of the 5-year average. Heading was nearly complete in all but the northernmost States from Idaho to Michigan. Harvest was 4 percent (%) complete in the major States, compared to 20% complete last year and 14% average. Spring wheat condition showed significant deterioration in Montana and the Dakotas due to dryness through much of the week. Fifty percent of Montana's acreage rated very poor or poor, as did 36% of the acreage in South Dakota. Spring wheat was 9% headed in the 5 major producing States, 4 points behind last year and 2 points behind the average. Heading of spring-seeded barley and oats was advancing in the Rocky Mountains, and harvest was getting underway in the East.

CORN: Crop condition improved in most of the major States following recent rains across the Midwest. The crop rated mostly good to fair in the 17 major States, with the best crop conditions reported in the East and South.

SOYBEANS: Soybean planting was virtually complete in the northern producing States, while rains slowed progress in the South. The crop was 89% planted in the 19 major producing States, compared with 83% last year and 85% average. Crop condition rated mostly good to fair in the 19 major States, with generally fair conditions in the middle Mississippi Valley. Fifty-one percent of the acreage rated good or excellent, compared with last year's 68%. Rains in southeast Missouri delayed wheat harvest and double-crop soybean planting.

COTTON: Cotton condition continued to decline due to extensive rains in the southern Plains, and condition rated mostly fair in the 14 major producing States. Over 50% of the acreage in New Mexico and Texas rated poor or very poor. Cotton planting reached 89% complete despite the rains, 6 points ahead of last year and 4 points ahead of the average. Squaring was evident on 22% of the cotton acreage, 5 points ahead of last year and 4 points ahead of the historic average. Hail damaged some fields in eastern Arizona and southeastern Arkansas. Boll weevil emergence was heavy in southwestern and eastern Arkansas. Excess moisture caused stress and damage to many Texas fields.

GRAIN SORGHUM: Grain sorghum condition was mostly good to fair in the 12 major producing

States, although 28% of South Dakota's acreage rated poor or very poor due to lack of soil moisture. Planting was 66% complete in the 12 major States, compared with 53% last year and the average of 55%. Planting progress fell behind last year's pace, as rains held progress in check across much of the southern Plains. Planting was 76% complete in the 12 major States, 4 points behind last year and the average.

RICE: The heavy rains in the South did not adversely affect rice, as condition ratings improved in Texas, Louisiana, and Mississippi. Crop condition was mostly good to fair in the five major producing States, remaining mostly fair in Arkansas and Mississippi, and mostly good in California, Louisiana, and Texas. Water weevil problems continued to plague southwestern Louisiana growers.

OTHER FIELD CROPS: Haying continued to be disrupted by rains in the South Central and Eastern States. First cut haying advanced, meanwhile, in the Central and Northern regions. Spring potato harvest continued in California, with harvest of summer varieties approaching. Safflower and sunflowers were in bloom in California and showing good growth. Mint harvest was active in Oregon. Dry bean planting continued in Wyoming and Michigan. Sweetpotato planting was active between rains in the Delta.

FRUIT AND NUTS: Arizona citrus and grape harvests continued. Cherry picking was virtually complete in California, while harvests of stone fruits progressed. California's Valencia orange harvest continued, with about one-fifth of the crop picked. Rains improved citrus grove and tree conditions in Florida and reduced irrigation demands. Florida Valencia harvest was slowing. Red raspberry and blueberry harvests were underway in Oregon and Washington. Briner cherry and sweet cherry harvests were also underway in the Pacific Northwest, and some cracking occurred due to rains.

VEGETABLES: Harvests of melons and early summer vegetables continued in Arizona. California's vegetable harvests were in full swing, but cooler weather slowed growth in the Sacramento Valley. Florida's volume leaders were watermelons, tomatoes, sweet corn, peppers, cucumbers, and celery, with harvest most active in the central part of the State. New Jersey vegetable harvests continued to increase.

PASTURES AND LIVESTOCK: Declining range and pasture conditions in much of the West forced movement of some livestock, and many producers were hauling water to stock on otherwise dry ranges. Rains eased some immediate concerns over pastures in the Southeast.

Crop Progress

for the Week Ending June 14, 1992

COTTON (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	99	99	97	99
AZ	100	100	100	100
AR	100	98	99	100
CA	100	100	100	100
GA	97	95	100	99
LA	100	100	100	100
MS	100	98	96	99
MO	100	100	98	100
NM	99	98	100	100
NC	100	98	100	100
OK	58	58	83	77
SC	100	99	98	99
TN	100	100	100	100
TX	85	77	83	88
14 States	92	88	91	94

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

COTTON (Percent Squaring)

	Current	Last Wk	1991	Avg.
AL	30	12	30	8
AZ	59	40	38	65
AR	24	4	20	19
CA	25	5	25	13
GA	20	10	34	43
LA	55	18	9	27
MS	38	16	25	35
MO	4	1	10	11
NM	30	4	39	32
NC	2	0	24	11
OK	6	6	1	1
SC	6	2	28	20
TN	4	0	8	13
TX	16	12	13	13
14 States	22	11	17	18

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

SPRING WHEAT (Percent Headed)

	Current	Last Wk	1991	Avg.
ID	39	NA	4	10
MN	6	NA	20	17
MT	2	NA	2	7
ND	3	NA	10	7
SD	40	NA	32	29
5 States	9	NA	13	11

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

GRAIN SORGHUM (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	99	98	94	95
CO	44	30	57	61
IL	90	84	96	79
KS	55	45	75	70
LA	97	97	74	91
MS	96	95	77	92
MO	93	90	74	80
NE	100	100	94	95
NM	52	31	53	NA
OK	66	53	85	57
SD	82	76	53	75
TX	84	81	87	88
12 States	76	70	80	NA

Excl. States with NA 76 71 81 80

NA - not available.

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

WINTER WHEAT (Percent Headed)

	Current	Last Wk	1991	Avg.
AR	100	100	100	100
CA	99	99	99	99
CO	95	90	87	87
GA	100	100	100	100
ID	76	47	18	38
IL	98	97	99	100
IN	99	94	100	100
KS	100	100	100	100
MI	75	30	95	90
MO	100	99	100	100
MT	55	42	37	44
NE	100	100	100	98
NC	100	100	100	100
OH	95	73	100	96
OK	100	100	100	100
OR	97	96	88	87
SD	92	81	87	89
TX	100	99	100	100
WA	100	85	91	85
19 States	96	92	93	94

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

WINTER WHEAT (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	12	3	68	53
CA	20	10	20	20
CO	0	0	0	0
GA	37	25	85	88
ID	0	0	0	0
IL	0	0	10	8
IN	0	0	9	1
KS	1	0	15	5
MI	0	0	0	0
MO	1	0	24	14
MT	0	0	0	0
NE	0	0	0	0
NC	8	2	65	37
OH	0	0	0	0
OK	7	2	45	36
OR	0	0	0	0
SD	0	0	0	0
TX	16	8	41	35
WA	0	0	0	0
19 States	4	2	20	14

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

SOYBEANS (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	74	63	55	70
AR	56	51	54	62
GA	60	48	66	77
IL	98	93	99	93
IN	99	97	95	87
IA	100	99	83	95
KS	65	60	80	75
KY	60	55	57	62
LA	80	80	37	66
MI	96	90	95	90
MN	99	98	99	99
MS	75	59	41	62
MO	79	76	65	70
NE	100	100	96	97
NC	62	57	72	59
OH	98	93	100	86
SC	52	44	63	66
SD	100	99	89	95
TN	64	58	38	62
19 States	89	85	83	85

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

Crop Condition (Percent)

for the Week Ending June 14, 1992

RICE

State	VP	P	F	G	Ex
AR	0	0	72	28	0
CA	0	0	10	85	5
LA	0	0	23	77	0
MS	0	6	63	31	0
TX	0	0	31	52	17
5 State	0	0	49	48	3
Prev Week	0	4	46	47	3
Prev Year	2	4	37	55	2

SPRING WHEAT

State	VP	P	F	G	Ex
ID	5	12	28	49	6
MN	2	10	38	47	3
MT	18	32	29	17	4
ND	0	10	35	55	0
SD	6	30	41	23	0
5 State	5	17	35	42	1
Prev Week	4	10	27	54	5
Prev Year	0	2	12	68	18

COTTON

State	VP	P	F	G	Ex
AL	0	1	29	70	0
AZ	0	0	25	63	12
AR	0	12	59	29	0
CA	0	0	5	80	15
GA	0	0	59	41	0
LA	0	0	30	60	10
MS	0	3	55	42	0
MO	0	23	69	8	0
NM	20	50	20	10	0
NC	0	17	38	43	2
OK	0	37	57	3	3
SC	0	0	78	22	0
TN	8	11	63	18	0
TX	24	28	35	12	1
14 State	11	17	40	29	3
Prev Week	4	18	49	26	3
Prev Year	1	5	47	45	2

CORN

State	VP	P	F	G	Ex
CO	0	11	29	50	10
GA	0	0	12	66	22
IL	1	4	67	27	1
IN	0	7	37	53	3
IA	0	5	39	52	4
KS	5	3	33	50	9
KY	0	0	26	66	8
MI	0	10	35	45	10
MN	1	6	44	48	1
MO	0	9	64	26	1
NE	2	9	31	57	1
NC	0	1	13	76	10
OH	0	5	32	51	12
PA	0	4	18	49	29
SD	1	7	41	45	6
TX	0	0	11	61	28
WI	2	14	47	36	1
17 State	1	6	41	47	5
Prev Week	1	8	45	42	4
Prev Year	0	2	20	61	17

WINTER WHEAT

State	VP	P	F	G	Ex
AR	0	0	23	64	13
CA	0	0	5	70	25
CO	14	16	35	32	3
GA	0	4	43	49	4
ID	5	12	33	45	5
IL	12	10	47	31	0
IN	5	22	48	24	1
KS	10	11	49	27	3
MI	2	8	35	45	10
MO	2	16	65	17	0
MT	32	29	23	14	2
NE	8	46	38	8	0
NC	0	4	14	77	5
OH	3	10	35	44	8
OK	0	2	67	31	0
OR	3	22	55	20	0
SD	22	25	42	11	0
TX	0	6	31	57	6
WA	6	56	26	12	0
19 State	7	14	44	32	3
Prev Week	7	15	40	34	4
Prev Year	5	16	36	36	7

SOYBEANS

State	VP	P	F	G	Ex
AL	0	2	30	65	5
AR	0	4	54	42	0
GA	0	0	28	71	1
IL	1	5	64	28	2
IN	0	6	43	48	3
IA	0	4	39	54	3
KS	0	0	45	48	7
KY	0	0	25	69	6
LA	0	6	56	38	0
MI	0	10	35	45	10
MN	1	7	38	53	1
MS	0	6	42	52	0
MO	0	10	61	29	0
NE	0	3	21	70	6
NC	0	1	17	78	4
OH	1	6	34	48	11
SC	0	0	29	71	0
SD	1	2	28	65	4
TN	0	0	50	50	0
19 State	0	5	44	48	3
Prev Week	N/A	N/A	N/A	N/A	N/A
Prev Year	1	2	29	59	9

GRAIN SORGHUM

State	VP	P	F	G	Ex
AR	0	0	74	23	3
CO	3	6	16	62	13
IL	0	0	35	65	0
KS	3	6	45	38	8
LA	0	2	43	55	0
MS	0	4	44	52	0
MO	0	7	66	27	0
NE	0	6	32	61	1
NM	0	0	6	94	0
OK	0	0	17	82	1
SD	14	14	35	35	2
TX	1	6	32	48	13
12 State	2	6	38	47	7
Prev Week	N/A	N/A	N/A	N/A	N/A
Prev Year	0	1	21	60	18

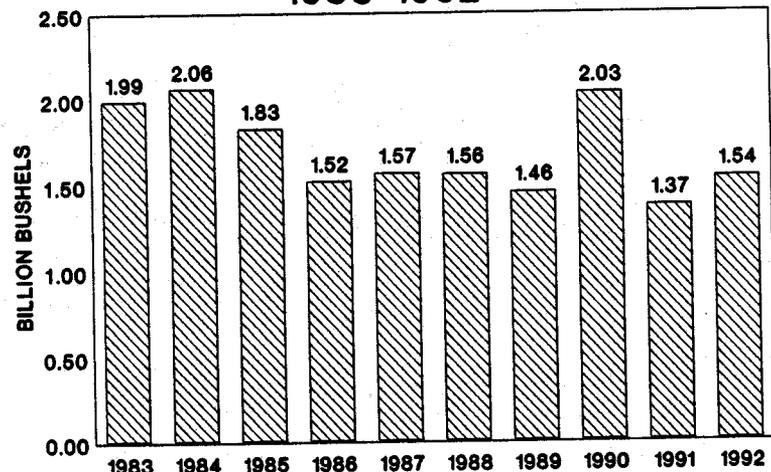
VP - Very Poor P - Poor F - Fair
G - Good EX - Excellent

**Crop Production Highlights
as of June 1, 1992**

Winter wheat production is forecast at 1.54 billion bushels (see graph below), down 5 percent from the May 1 forecast but 12 percent more than the 1991 crop. Fewer acres for grain coupled with lower yields have caused the decline from last month. Yields are now expected to average 35.9 bushels per acre, 1.4 bushels less than the May forecast.

Peach production for 1992, including California's Clingstone crop, is forecast at 2.53 billion pounds, 5 percent less than 1991 but 13 percent more than 1990. The California Clingstone crop of 1.10 billion pounds is up 7 percent from last year and up 9 percent from 1990. All other production is forecast at 1.43 billion pounds, down 13 percent from 1991 but 17 percent more than 1990. Much of the South and the Ohio River Valley suffered frost damage which lowered production expectations. Freeze damage was limited in the north Atlantic coast, Rocky Mountain, and Pacific Coast States.

**U.S. WINTER WHEAT PRODUCTION
1983-1992**



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 1.00 to 4.00 in., over 8.00 in. isolated areas. Temperatures 1 to 4° below normal.

Days suitable for fieldwork 2.7. Soil moisture 12% short, 48% adequate, 40% surplus. Rainfall boosted crop, pasture conditions; slowed harvest of hay, small grains; prevented needed weed control. Corn 30% silked, 60% 1991, 59% avg.; 47% fair, 46% good, 7% excellent. Sorghum 62% planted, 71% 1991, 78% avg.; 25% fair, 67% good, 8% excellent. Cotton 99% planted, 97% 1991, 99% avg.; 30% squaring, 30% 1991, 28% avg.; 1% poor, 29% fair, 70% good. Peanuts 12% pegging, 10% 1991, 14% avg.; 47% fair, 46% good, 7% excellent. Soybeans 74% planted, 55% 1991, 70% avg.; 30% fair, 65% good, 5% excellent. Winter wheat 39% harvested, 65% 1991, 63% avg.; 1% poor, 27% fair, 66% good, 6% excellent. First hay 82% harvested, 75% 1991, 81% avg. Pasture 4% poor, 63% fair, 23% good, 10% excellent. Livestock 2% poor, 40% fair, 51% good, 7% excellent. Primary activities: Harvesting vegetables, hay, small grains; planting soybeans, sorghum; cultivating row crops; applying fertilizer, herbicides, insecticides when weather permitted; mowing pastures; scouting cotton; repairing equipment; general care of livestock, poultry, catfish.

ALASKA: Hot, dry weather stressed nonirrigated crops while irrigated crops were enhanced by the earlier-than-normal hot weather. Highs 3 to 12° above normal. Lows 3° below normal to 7° above normal. Seasonal precipitation ranged 1.11 in. wetter than normal at Fairbanks to 0.80 in. drier than normal at Kenai.

Days suitable for fieldwork 7.0. Topsoil 53% short, 44% adequate, 3% surplus. Subsoil 32% short, 65% adequate, 3% surplus. Small grain emergence complete, early seeded acreage. Commercial potato planting complete, emergence 10% complete. Vegetable transplanting, seeding continued. Rate of crop growth: 16% slow, 60% moderate, 24% rapid.

ARIZONA: Scattered showers, thunderstorms 7th, east; 8th, north; 9th, east; 10th, far north. Sunny, warm 11th to 13th. Temperature 5 below to 2° above normal. Extremes 34°; 97°, higher elevations, 50°; 104° deserts.

Cotton squaring 59%, 38% 1991, 65% avg.; 25% fair, 63% good, 12% excellent; weeds, light to moderate, insects light. Hail damage east. Alfalfa condition mostly good; weeds, insects mostly light statewide; harvest, moderate to active. Moderate rain damage east. Small grains harvested, 65%, 61% 1991, 72% avg. Valencias, grapefruit, cantaloupe, watermelon, honeydews, grapes harvested west, central. Potatoes, mixed vegetables harvested, central. Dry onions harvested central, east. Lettuce, cherries, cabbage, squash harvested, east.

ARKANSAS: Temperatures below normal statewide, rain statewide, some scattered heavy thunderstorms, throughout week. Extremes 52°; 93°. Rainfall 0.15 to 4.92 in.

Days suitable for fieldwork 3. Soil moisture 40% adequate, 60% surplus. Main farming activities: Planting, applying herbicide, fertilizer to rice, harvesting wheat, scouting and cultivating cotton, harvesting peaches, pasture weed control, hay harvesting, working

cattle. Wheat mostly good condition. Wheat harvest delayed by rainfall. Some hail damage reported in northeast. Cotton emerged 99%, 96% 1991, 98% avg. Boll weevil emergence reported heavy in southwest, east. Thrips increased in fields in east central. Hail damage reported in southeast. Soybeans emerged 51%, 36% 1991, 46% avg. Plantings delayed by rainfall. Grain sorghum emerged 98%, 83% 1991, 89% avg. Corn 14% fair, 68% good, 18% excellent. Peach harvest began in west central. Livestock good. Producers continue seasonal spraying for ticks, flies. Fly populations increasing in southwest. Pastures good. Hay harvesting slowed by wet conditions.

CALIFORNIA: Strong high pressure over State kept temperatures much above normal inland while coastal areas experienced gradually deepening marine layer. Temperatures began cooling end of the week. Thundershowers developed over Sierra Nevada mountains during the last half week.

Field activities good progress, open weather. Small grain harvest gained momentum; stubble burning followed, some areas. Cotton growth excellent. Treatments applied lygus, mites, weeds. Rice growth slowed, cool temperatures. Planting winding down most areas; herbicide applications active. Alfalfa, oats, sudangrass cut hay, greenchopped. Safflower, sunflowers good growth, both blooming. Grain corn, silage corn planted, sprayed mites, weeds. Garbanzo bean harvest underway. Alfalfa treated lygus, stinkbugs, weevils. New crop sugarbeets irrigated; over-wintered beets harvested, few counties. Stonefruit harvest active. Orchards cultivated, irrigated, treated control worms, mites, moths. Cherry picking virtually complete. Apricots, plums, freestone peaches, nectarines actively harvested. Freestone peach crop 30% harvested, nectarines 25% completed, plums 15%. Mission figs harvested. Apples treated codling moth. Pruning olive trees nearly done. Almond, walnut growers apply pest control. Vineyards irrigated, treated mildew, insects. Avocado harvest continued, good yields, quality noted. Valencia orange harvest continued, one fifth picked. Strawberry harvest continued demand exceeding available supplies variable quality Salinas-Watsonville and Santa Maria. Asparagus moderate Salinas Valley good quality. Broccoli moderate good quality Salinas-Watsonville, Santa Maria. Cauliflower fairly light Salinas-Watsonville, Santa Maria variable quality. Carrots moderate Kern district. Celery fairly light but seasonally increasing Salinas-Watsonville, fairly heavy Santa Maria variable quality. Harvest continued steady Oxnard. Sweet corn harvest began Westside area, continued Kern-Tulare, Coachella Valley good quality. Iceberg lettuce fairly heavy Salinas-Watsonville, Santa Maria variable quality. Leaf, Romaine lettuce moderate variable quality Salinas-Watsonville. Cantaloupe honeydew, watermelon, mixed melon picking continued Westside, desert areas good quality. Cool temperatures slowed melon growth Sacramento Valley. Spring onion digging continued central valley, desert growing areas. Spring potato digging increased Kern-Tulare district, summer potato plantings Perris-Hemet area nearly mature. Fresh market tomato harvest started Westside area, continued Merced-Atwater, Kern-Tulare areas. Processing tomato volume increased from desert. Cool weather slowed tomato development

Sacramento Valley. Other vegetables harvested: beans, cabbage, cucumbers, garlic, peppers, various oriental vegetables. Range, pasture conditions poor to good, very poor some parts. Fire hazard present. Water supplies adequate, critical some areas. Supplemental feeding light to moderate. Cattle, sheep good. Livestock movement heavy feedlots. Bees active seed alfalfa, melon fields.

COLORADO: Moist unstable conditions caused showers, locally severe thunderstorms during the entire week. Rainfall 0.50 in. west of the Divide, 0.75 to 1.50 in. east. Some large hail in the northeast with reports of over 2.00 in. rain. Temperatures 2 to 3° below normal most locations west of the Divide; 3 to 5° below normal east.

Days suitable for fieldwork 3.6. Soil moisture 2% very short, 19% short, 65% adequate, 14% surplus. Alfalfa 1st cutting 51%, 19% 1991, 38% avg. Barley headed 29%, 21% 1991, 31% avg. Oats headed 52%, 21% 1991, 21% avg. Spring wheat headed 26%, 10% 1991, 14% avg. Dry beans planted 51%, 55% 1991, 56% avg.; emerged 25%. Sorghum planted 44%, 57% 1991, 61% avg.; emerged 24%. Fall potatoes emerged 55%, 25% 1991, 29% avg. Winter wheat headed 95%, 87% 1991, 87% avg.; turning color 44%. Sugarbeets thinned 82%, 65% 1992, 62% avg. Winter wheat 14% very poor, 16% poor, 35% fair, 3% good, 3% excellent. Corn 3% very poor, 6% poor, 16% fair, 62% good, 13% excellent. Livestock mostly good. Pasture, range feed improved to good to excellent.

FLORIDA: Temperature near normal Panhandle, 1 to 3° above normal elsewhere. Lows; mid 60s north, lower 70s southeast coast. Highs; mid 90s interior, lower 90s elsewhere. Several stations reported rain every day of week. Rainfall 4.00 to 8.00 in. Panhandle; 1.00 to 4.00 in. elsewhere. Isolated stations reported less than 1 in.

Soil moisture adequate to surplus Panhandle. Short to adequate Peninsula. Soybean planting active. Cotton, peanut planting virtually complete. Winter wheat harvest complete. Corn, tobacco, sugarcane making good progress. Citrus grove, tree condition improved. Hard rains most areas, irrigation applications reduced. Ideal growing conditions producing abundant new growth. Valencia harvest slow, supplies limited. Only one processing plant open. Grapefruit harvest all but finished. Caretakers cutting cover crops, spraying, fertilizing, removing dead trees, planting new trees. Summertime weather; hot days, warm nights, afternoon showers prevailed over major vegetable producing areas. Harvest complete southern areas, declining rapidly central areas, active northern areas. Volume leaders: watermelons, potatoes, tomatoes, sweet corn, peppers, cucumbers, celery. Also available: Snap beans, carrots, eggplant, radishes, squash, cherry tomatoes. Hastings cabbage harvest complete. State's pastures fair to excellent. Pasture ratings, 20% fair, 70% good, 10% excellent. Moisture levels mostly short to adequate. State's cattle herds fair to good condition.

GEORGIA: Wet week. Rain 4 to 7 days all reporting stations. Rainfall 1.00 to 3.00 in., local areas over 5.00 in. Temperatures 1 to 4° below normal. Highs middle 80s north, low 90s central, south. Lows middle 50s northeast mountains, middle 60s south.

Days suitable for fieldwork 2.7. Soil moisture 5% short, 55% adequate, 40% surplus. Corn 41% silked, 90% 1991, 73% avg.; 14% dough, 49% 1991, 30% avg.; 1% dent, 13% 1991, 6% avg.; development more than week behind normal, condition up sharply. Cotton 1% setting bolls, 2% 1991, 2% avg.; Development week behind average, condition

unchanged. Sorghum 27% fair, 73% good; 75% planted, 83% 1991, 86% avg. Peanuts 4% poor, 34% fair, 60% good, 2% excellent; 100% planted, 100% 1991, 100% avg.; 33% blooming, 52% 1991, 55% avg.; 6% pegging, 18% 1991, 17% avg. Soybean improved. Tobacco 39% fair, 47% good, 14% excellent; 0% harvested, 9% 1991, 4% avg. Wheat harvest slowed by rain, cloudy and damp; now over 2 weeks behind normal. Other small grains 1% poor, 55% fair, 40% good, 4% excellent. Water-melons 65% fair, 34% good, 1% excellent; 1% harvested, 7% 1991, 4% avg. Other vegetables fair to good. Apples 1% poor, 8% fair, 91% good; Apples good. Peaches 1% very poor, 4% poor, 21% fair, 74% good; 34% harvested, 56% 1991, 53% avg. Hay fair to good. Pastures fair to good, mostly good. Cattle and hogs good.

HAWAII: Return of trade wind weather with accompanying scattered rainfall brought relief from previously hot, humid conditions. Temperatures, in the high 80s, were slightly cooler than the record highs the past two weeks. Winds were gusty to 40 mph over the weekend in some areas. Rainfall welcomed many crop growing areas, restoring low soil moisture supplies, increasing irrigation reservoir water levels. Irrigation restrictions canceled all areas. Temperatures mostly low 70s to high 80s. Rainfall none to 3.50 in.

Days suitable for fieldwork 7.0. Banana supplies increased. Papaya production seasonal upswing. Sweet corn production moderate to heavy. More rain still needed some major livestock grazing areas.

IDAHO: Temperatures above normal throughout the State. Precipitation fell across State, with the north recording the greatest amounts.

Days suitable for fieldwork 7. In areas that were out of water, grain was being cut for silage. Soil moisture 37% very short, 35% short, 28% adequate. Spring barley headed 37%, 4% 1991, 12% avg. Sugarbeets thinned 94%, 68% 1991, 80% average. Potatoes emerged 94%, 56% 1991, 73% avg.; 28% over 12.0 in., 1% closing middles. Potato good. First cutting alfalfa 76%, 30% 1991, 37% avg. Field corn planted 100%, 98% 1991, 99% avg.; emerged 94%, 83% 1991, 93% avg. Dry beans planted 96%, 76% 1991, 79% avg.; emerged 57%, 32% 1991, 39% avg. Irrigation water supplies 22% very poor, 28% poor, 28% fair, 22% good. Activities: cultivating, thinning sugarbeets, cutting alfalfa, irrigation, weed, insect control. Pasture, range 55% of normal. Livestock good.

ILLINOIS: Precipitation was virtually non-existent over much of State last week. Temperatures high 50s to the low 80s across the State. Precipitation across State none to 0.10 in.

Days suitable for fieldwork 6.0. Soil moisture 82% short, 17% adequate, 1% surplus. Corn average height 15 in., 28 in. 1991, 21 in. avg. Average height advanced 23 in., 46 in. 1991, 34 in. avg. Soybeans blooming 1%, 8% 1991, 3% avg. Winter wheat filled 94%, 98% 1991, 96% avg.; turning yellow 46%, 91% 1991, 81% avg.; ripe 1%, 66%, 1991, 36% avg. Alfalfa first cutting 97%, 95% 1991, 88% avg.; second cutting 3%, 9% 1991, 7% avg.; 34% good, 47% fair, 17% poor, 2% very poor. Red clover cut 67%, 78% 1991, 70% avg. Oats headed 63%, 87% 1991, 69% avg.; filled 19%, 61% 1991, 39% avg. Oat turning yellow 2%, 25% 1991, 9% avg.; 2% excellent, 41% good, 45% fair, 12% poor. Pasture condition 73% of normal.

INDIANA: Temperatures near normal to 4° below normal. Highs upper 70s to low 80s. Lows 50s to 60°. Precipitation none to 0.20 in. isolated reports of 1.00 in. to over 2.00 in. from weekend storms.

Days suitable for fieldwork 5.5. Topsoil 39% short, 61% adequate. Subsoil 42% short, 58% adequate. Corn height 12 in., 28 in. 1991, 19 in. avg. Soybean height 5 in., 7 in. 1991, 5 in. avg. Wheat in milk 63%. Oats headed 45%, 97% 1991, 62% avg. Oats 16 in. high. Tobacco set 91%. Alfalfa hay 1st cutting 80%, 84% 1991, 78% avg. Pasture 83%, 83% last week, 89% 1991. Diseases pose threat to wheat crop. Weed control difficult in dry areas.

IOWA: Temperatures 0 to 4° above normal. Extremes 45°; 93°. Precipitation 0.0; to 1.58 in.

Days suitable for fieldwork 6.5. Topsoil 92% short, 8% adequate. Subsoil 27% short, 73% adequate. Winter wheat 12% very poor, 21% poor, 46% fair, 21% good. Hay 4% very poor, 18% poor, 46% fair, 27% good, 5% excellent. Oats 9% poor, 45% fair, 43% good, 3% excellent. Pasture 5% very poor, 20% poor, 51% fair, 20% good, 4% excellent. Corn cultivated first time 60%, 39% 1991, 59% avg. Soybean 97% emerged, 60% 1991, 85% avg.; cultivated first time 22%, 6% 1991, 25% avg. Oats headed 47%, 57% 1991, 62% avg. First cutting alfalfa 80% harvested, 53% 1991, 68% avg. First cutting clover 36% harvested, 27% 1991, 36% avg. Livestock good.

KANSAS: Temperatures below normal over State; 8° below normal southwest, 6° below normal northeast, 3° below normal southeast, 4 to 5° below normal remainder State. Substantial precipitation received all districts. Rainfall 1.31 in. southwest to 2.75 in. southeast.

Days suitable for fieldwork 1.0. Surface moisture 25% short, 52% adequate, 43% surplus. Subsurface moisture 29% short, 59% adequate, 12% surplus. Wheat slightly improved, still mostly fair to poor. Moisture helped condition of wheat to this point, condition will begin to deteriorate if dry sunny weather does not come. Army worms south central, east central, southeast areas wheat, little chance damage due to wheat maturity. Army worms may migrate to corn, sorghum causing damage. Sorghum, soybean planting slowed by wet fields. Pasture good. Pastures mostly fair southwest, south central districts, good elsewhere. Stockwater short central district, adequate elsewhere. Approximately 85% alfalfa cut first time. Five percent cut second time, wet weather hampering hay harvest.

KENTUCKY: Weather near normal. Highs near 80°, 4° below normal. Lows, low 60s, 2° above normal. Precipitation 0.30 in. west to 0.70 in. east.

Days suitable fieldwork 3.6. Soil moisture 1% short, 77% adequate, 22% surplus. Cool weather limited crop growth, soils wet. Average height corn 24 in. Tobacco transplanting continues. Burley 92% set, dark types 90% set. Tobacco 1% poor, 33% fair, 55% good, 11% excellent. Disease, weed problems increasing with damp weather. Some Blue mold on tobacco in south central areas, flea beetles, root rot also reported. Emerged soybeans 25% fair, 69% good, 6% excellent. Wheat, barley harvest slow. Hay harvest slow. Hay mostly fair to good. Pastures mostly good.

LOUISIANA: Temperatures 1.0° below to 1.0° above normal. Extremes 49°; 94°. Rainfall 1.29 in. northwest to 3.71 in. southeast.

Days suitable for fieldwork 2.3. Soil moisture 2% short, 28% adequate, 70% surplus. Corn 23% fair, 69% good, 8% excellent; 83% silked, 83% 1991, 61% avg.; 15% dough stage, 21% 1991, 12% avg. Hay 71% first cutting, 35% 1991, 65% avg. Peaches 2% poor, 76% fair, 21% good, 1% excellent; 29% harvested, 21% 1991, 21% avg. Rice 99% emerged, 92% 1991, 97% avg.; 4% headed, 7% 1991, 3% avg. Water weevil problems continued

southwest. Sorghum 93% emerged, 67% 1991, 87% avg.; 3% headed, 5% 1991, 1% avg. Soybeans 77% emerged, 30% 1991, 55% avg. Planting halted extreme wetness, fields becoming weedy. Sugarcane 1% fair, 62% good, 37% excellent. Sweet potatoes 34% fair, 66% good; 52% planted, 60% 1991, 64% avg. Wheat 84% harvested, 82% 1991, 86% avg. Livestock 11% fair, 80% good, 9% excellent. Pastures 1% very poor, 1% poor, 7% fair, 88% good, 3% excellent. Vegetables 3% poor, 34% fair, 60% good, 3% excellent. Scouting for insects active in cotton.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.51 in. Temperature 72.1°, normal 70.8°. Extremes 42°; 91°.

Days suitable for fieldwork 5.6. Topsoil 9% short, 86% adequate, 5% surplus. Subsoil 15% short, 85% adequate. Sweet corn 90% planted, 88% 1991, 89% avg. Soybeans 66% planted, 66% 1991, 61% avg. Sorghum 63% seeded, 93% 1991. Small grains good; barley 93% turned, rye 40% turned, wheat 29% turned, oats just 4%. Grain harvest beginning on barley, rye. Pastures mostly excellent. Active cutting, baling hay. Most alfalfa has been cut once. Light to moderate disease, insect pressure on vegetables, wheat; some strawberries with mildew problems. Melon planting virtually complete; vegetable planting nearing completion. Tobacco 80% transplanted, 88% 1991, 75% avg. Picking green peas, strawberries. Fruit set above normal except Eastern Shore near normal.

DELAWARE: Precipitation 0.16 in. Temperature 71.7°, normal 71.1°. Extremes 50°; 89°.

Days suitable for fieldwork 4.8. Topsoil 20% short, 80% adequate. Subsoil 33% short, 67% adequate. Sweet corn 92% planted, 84% 1991, 93% avg. Soybeans 51% planted, 67% 1991, 65% avg. Sorghum virtually all seeded. Small grains good, barley virtually all turned, 14% harvested, 66% 1991, 24% avg. Rye 39% turned, wheat 43%, oats 2%. Pastures mostly excellent. Strawberries, green peas being harvested. Light to moderate disease, insect pressure on small grains, some spraying.

MICHIGAN: Temperatures 3° below to 3° above normal. Extremes 34°; 92°. Precipitation none to 0.36 in. across State.

Days suitable for fieldwork 6.5. Soil moisture 85% short, 15% adequate. Corn 10% poor, 35% fair, 45% good, 10% excellent. Soybeans 96% planted, 95% 1991 90% avg.; 10% poor, 35% fair, 45% good, 10% excellent. Winter wheat 75% headed, 95% 1991, 90% avg.; 0% harvested, 0% 1991, 0% avg.; 2% very poor, 8% poor, 35% fair, 45% good, 10% excellent. Dry beans 75% planted, 70% 1991, 50% avg. Pasture 60% of normal. Major activities: Dry bean planting, hay baling, spreading fertilizer, weed spraying.

MINNESOTA: Temperatures 3 to 5° above normal. Extremes 33°; 94°. Precipitation none to 0.89 in. State, 0.22 to 0.89 in. below normal. Greatest 1.44 in.

Days suitable for fieldwork 6.2. Topsoil 31% very short, 53% short, 15% adequate, 1% surplus. Spring wheat 55% jointing, 65% 1991, 70% avg.; 6% heading, 20% 1991, 17% avg. Oats 66% jointing, 63% 1991, 76% avg.; 11% heading, 15% 1991, 27% avg. Barley 54% jointing, 71% 1991, 68% avg.; 9% heading, 23% 1991, 17% avg. Corn 59% cultivated once, 32% 1991 56% avg.; 11 in. avg. height, 11 in. 1991, 12 in. avg. Soybean 26% cultivated once, 15% 1991, 31% avg.; 5 in. avg. height, 3 in. 1991, 4 in. avg. Alfalfa hay 75% first cutting, 62% 1991, 56% avg.

MISSISSIPPI: Temperature 77°, 0.5° below normal. Extremes 56°; 94°. Above normal rainfall across State. Heaviest amounts were reported in the southern third of the State. Average rainfall 2.74, 1.91 above normal. Soil temperatures 80°.

Days suitable for fieldwork 1.8, 4.5 1991, 4.5 avg. Soil moisture 34% adequate, 49% surplus, 17% excessive. Corn 26% silking, 35% 1991, 28% avg.; 6% poor, 33% fair, 61% good. Cotton 98% emerged, 94% 1991, 97% avg.; 38% squaring, 25% 1991, 35% avg. 3% poor, 55% fair, 42% good. Peanuts 85% planted, 77% 1991, 90% avg. Rice 97% emerged, 60% 1991, 88% avg.; 6% poor, 63% fair, 31% good. Sorghum 96% planted, 77% 1991, 92% avg.; 94% emerged, 67% 1991, 88% avg.; 4% poor, 44% fair, 52% good. Soybeans 75% planted, 41% 1991, 62% avg.; 65% emerged, 25% 1991, 46% avg.; 6% poor, 42% fair, 52% good. Sweet potatoes 60% planted, 70% 1991, 84% avg. Watermelons 94% planted, 95% 1991, 98% avg. Wheat 90% mature, 97% 1991, 97% avg.; 26% harvested, 73% 1991, 64% avg.; 15% poor, 41% fair, 37% good, 7% excellent. Hay 48% harvested, 31% 1991, 34% avg. Peaches 36% harvested, 25% 1991, 32% avg.; 31% poor, 38% fair, 23% good, 8% excellent. Pecans 10% very poor, 55% poor, 15% fair, 20% good. Livestock 15% fair, 81% good, 4% excellent. Pasture 86% of normal. Activities: Insect control, shopwork.

MISSOURI: Temperatures 3° below normal. Rainfall 0.98 in., varying by area less than 0.10 in. northeastern, east-central districts to over 3.00 in. southwest.

Days suitable for fieldwork 3.6. Topsoil 39% short, 44% adequate, 17% surplus, main shortages northeastern, north-central districts, main areas of surplus southwestern, southeastern districts. Single crop soybean planting 93%, 74% 1991, 79% avg. Double-crop soybean planting 0%, 11% 1991, 10% avg. Wet weather southeast delaying wheat harvest, double-crop soybean planting. Sorghum planting by district ranges 81% central to 99% southeast. Alfalfa first cutting 80%, 83% 1991, 83% avg. Other hay cut 39%, 52% 1991, 53% avg. Pastures 3% very poor, 20% poor, 42% fair, 31% good, 4% excellent.

MONTANA: Temperatures 5 to 15° above normal. Hot dry weather until midweek. End of week heavy precipitation across west, scattered heavy precipitation in east.

Days suitable for fieldwork 5.8. Topsoil 82% short, 18% adequate. Subsoil 73% short, 27% adequate. Barley 8% headed, 4% 1991, 6% avg. Oats 2% headed, 1% 1991, 9% avg. Pasture, range feed 52%, decreased 20% last week. Some livestock being placed on hay, grain fields. Alfalfa hay 14% harvested, slightly ahead of normal.

NEBRASKA: Temperatures 1° above normal in the east central to 3° below normal in central sections. Rainfall around 0.10 in. east with 0.50 to 1.25 in. central, west. Heavy rains of more than 4.00 in. hit Saline County, 5.00 in. Hall, Adams Counties area.

Days suitable for fieldwork 3.5. Topsoil 16% short, 74% adequate, 10% surplus. Subsoil 24% short, 75% adequate, 1% surplus. Wheat 8% very poor, 46% poor, 38% fair, 8% good; 28% turning color, 41% 1991, 39% avg. Corn 2% very poor, 9% poor, 31% fair, 57% good, 1% excellent. Soybean 3% poor, 21% fair, 70% good, 6% excellent. Sorghum 6% poor, 32% fair, 61% good, 1% excellent. Alfalfa 8% poor, 40% fair, 42% good, 10% excellent; first cutting 95% harvested, 61% 1991, 73% avg. Pasture, range 80% of normal.

NEVADA: Warm, dry high pressure system gave way to strong cold front, some scattered precipitation. Temperatures started 10° to 20° above normal, weekend 10 to 20° below normal. Extremes 22°; 101°.

Alfalfa hay harvest hampered by scattered thundershowers, gusty winds some areas. Irrigation, hay harvest, weed control, caring for livestock, maintenance were major activities.

NEW ENGLAND: Precipitation none to 0.90 in. Maine, none to 0.25 in. elsewhere north; none to 1.40 in. south. Temperatures low to high 60s north, mid 60s to low 70s south; 1 to 5° above normal. Maximum temperatures low to high 80s; minimum temperatures high 30s to mid 50s.

Days suitable for fieldwork 6. Soil moisture 7% very short, 18% short, 68% adequate, 7% surplus. Available grazing 23% short, 68% adequate, 9% surplus. Fieldwork progress 3 days behind schedule. Maine potatoes 100% planted, 100% 1991, 98% avg.; 60% emerged, 65% 1991, 55% avg.; fair to good. Rhode Island potatoes 96% emerged, 100% 1991, 93% avg.; good. Connecticut River Valley potatoes 100% planted, 100% 1991, 99% avg.; 89% emerged, 95% 1991, 90% avg.; good. Maine oats 100% planted, 100% 1991, 97% avg.; 90% emerged; fair. Field corn 95% planted, 98% 1991, 92% avg.; 82% emerged, 88% 1991, 78% avg.; good. Sweet corn 90% planted, 91% 1991, 85% avg.; 79% emerged, 83% 1991, 75% avg.; good. First cut hay 45% harvested, 57% 1991, 39% avg.; good. Shade tobacco 88% transplanted; good. Outdoor tobacco 62% transplanted; good. Apple set, fruit drop average, scab infection light. Pear, peach set average. Cranberries in hook stage. Strawberries set average, 12% harvested. Blueberries set average. Major farm activities: Weed and pest management, fertilizing, harvesting of early vegetables, strawberries haying.

NEW JERSEY: Temperatures near normal. Extremes 44°; 91°. Rainfall 0.17 in. north, 0.08 in. central, 0.07 in. south. Heaviest 24 hour total 0.82 in. on 8th, 9th. Estimated soil moisture, in percent of field capacity, averaged 86% north, 72% central, 65% south. Four inch soil temperatures averaged 68° north, 69° central, 70° south.

Soil moisture content is short to adequate depending on area. Some irrigation for particular crops. Asparagus, beets, Chinese cabbage, endive, escarole, leafy greens, peas, turnips, green onions, leeks, in moderate supply. Squash, lettuce, parsley in good supply. Crop development a week behind due to weather. Late blueberry harvest. Strawberry harvest declining in south Jersey; but has not yet reached its peak in northern, central Jersey. Barley and wheat look mature. Cutting alfalfa. Pastures in some areas could use more rain.

NEW MEXICO: Cloudy, cool weather characterized most of the week, although drier air, temperatures near normal returned during the weekend. Temperatures generally 3° below normal for the State. Showers provided some precipitation over much of the State, with heaviest totals in the northeast along the Colorado border.

Days suitable for fieldwork 5.3. Soil moisture 8% short, 77% adequate, 15% surplus. Crop conditions: Alfalfa, 8% poor, 17% fair, 75% good. Corn 29% fair, 71% good. Irrigated wheat, 7% fair, 86% good, 7% excellent. Dryland wheat 33% fair, 67% good. Wheat harvest 11% complete. Onions 20% fair, 80% good with harvest active. Chile 14% poor, 43% fair, 43% good. Apples 33% fair, 67% good. Pecans 25% fair, 75% good. Spring lettuce harvest complete. Spotted reports of hail damage around the State affecting various crops. Cattle fair to excellent. Sheep fair to good. Range, pasture 97% of normal.

NEW YORK: Dry, seasonably warm. Temperatures within 1 to 2°. Extremes 38°; 89°. Very little rain fell. Thunderstorms in western areas dropped 0.50 to 0.75 in. on 7th.

Days suitable for fieldwork 6.4. Soil moisture adequate. Excellent conditions for outside work dominated. Corn 90% planted, 96% 1991, 88% avg. Earlier planted fields up, good. Oat seeding virtually finished. Potato planting neared

completion. Dry bean planting active. Haying in high gear, ideal conditions. Pastures 89% of normal. Hay, wheat good. Fruit crops developed rapidly. Most in good condition. Strawberries were ready for picking in most areas. Orange County onion planting finished. Cabbage transplanting active in central and western regions.

NORTH CAROLINA: Temperatures near normal across the State. Precipitation heavy in south, west, lighter along the coast.

Days suitable for fieldwork 2.3. Soil moisture 42% adequate, 58% surplus. Crop condition: Wheat 4% poor, 14% fair, 77% good, 5% excellent; Pasture 13% fair, 76% good, 11% excellent; Tobacco 3% poor, 32% fair, 60% good, 5% excellent; corn 1% poor, 13% fair, 76% good, 10% excellent; cotton 17% poor, 38% fair, 43% good, 2% excellent; peanuts 3% poor, 23% fair, 74% good; soybeans 1% poor, 17% fair, 78% good, 4% excellent; hay 3% poor, 29% fair, 67% good, 1% excellent; Irish potatoes 26% fair, 67% good, 7% excellent; sweet potatoes 14% fair, 82% good, 4% excellent; apples 11% poor, 44% fair, 39% good, 6% excellent; peaches 13% very poor, 30% poor, 35% fair, 18% good, 4% excellent; truck crops 2% poor, 42% fair, 54% good, 2% excellent. Sorghum Planted 68%, 59% 1991, 70% avg.; soybeans planted 62%, 72% 1991, 59% avg.; burley tobacco transplanted 79%, 97% 1991, 64% avg.; sweet potatoes 82%, 88% 1991, 80% avg. Winter wheat harvested 8%, 65% 1991, 37% avg.; oats harvested 14%, 65% 1991, 44% avg.; barley harvested 18%, 69% 1991, 51% avg.; rye harvested 14%, 55% 1991, 39% avg.; hay, roughage supplies 3% short, 87% adequate, 10% surplus. Hay first cutting 74% Hay second cutting 12% Major activities: Planting soybeans, sweet potatoes; cultivating tobacco. Other activities: Harvesting hay, small grains, Irish potatoes; tending livestock; cultivating, spraying field crops; equipment repair; general farm maintenance.

NORTH DAKOTA: Warm, dry throughout week, scattered showers 14th. Statewide temperatures normal east central, southeast to 7° above normal northwest. Extremes 28° south central, 94° northwest. Precipitation through 12th, none northeast, central to 0.07 in. south central.

Days suitable for fieldwork 6.5. Topsoil 8% very short, 64% short, 28% adequate. Subsoil 16% very short, 39% short, 45% adequate. Spring wheat 10% poor, 35% fair, 55% good; 19% boot and beyond, 36% 1991, 27% avg. Durum 9% poor, 30% fair, 61% good; 6% boot and beyond, 16% 1991, 15% avg. Barley 8% poor, 22% fair, 66% good, 4% excellent; 22% boot and beyond, 42% 1991, 25% avg. Winter wheat 14% poor, 42% fair, 43% good; 58% heading and beyond, 55% 1991, 55% avg. Sugarbeets 5% fair, 95% good; 4 in. avg. height, 6 in. 1991. Corn 9% poor, 24% fair, 67% good; 6 in. avg. height, 12 in. 1991, 8 in. avg. Flax 6% poor, 36% fair, 58% good; 4 in. avg. height; 4 in. 1991, 4 in. avg. Potatoes 100% good; 2 in. avg. height; 5 in. 1991; 5 in. avg. Soybeans 12% fair, 88% good; 4 in. avg. height, 5 in. 1991, 5 in. avg. Dry beans 2% poor, 12% fair, 86% good; 3 in. avg. height, 5 in. 1991, 4 in. avg. Sunflower 2% poor, 36% fair, 62% good; 3 in. avg. height, 5 in. 1991, 3 in. avg. Post-emerged herbicide applications for broadleaf control 73% complete, wild oats 89%. Range, pasture 67% of normal. Hay 51% of normal. Alfalfa hay first cutting 29% complete, other hay 6%. Stockwater supplies 17% very short, 39% short, 44% adequate.

OHIO: Dry weather prevailed for most of State. As the weekend arrived an advancing cold front triggered some scattered showers, thunderstorms. Areas that did receive rain generally got less

than 0.50 in. Although there were a few isolated spots that received 0.70 to 1.25 in. Cool, but steadily warmed. High temperatures 70s as the week began, ended in 80s. Lows began 40s, ended in 60s. Temperatures 0 to 3° below normal.

Days suitable for fieldwork 5.0. Soil moisture 19% short, 72% adequate, 9% surplus. Pasture 6% poor, 31% fair, 49% good, 14% excellent. Hay 1% very poor, 6% poor, 32% fair, 50% good, 11% excellent. Oats 1% very poor, 6% poor, 34% fair, 50% good, 9% excellent. Strawberry harvest is now 35% complete, 92% 1991, 51% avg. Warmer weather greatly assisted winter wheat in its development as heading is near normal now although turning color is much below normal.

OKLAHOMA: Temperatures normal east central to below normal north central. Precipitation 0.31 in. west central to 3.42 in. east central.

Days suitable for fieldwork 1.7. Topsoil 21% adequate, 79% surplus. Subsoil 100% adequate. Wheat 2% poor, 67% fair, 31% good; 7% harvested, 45% 1991, 36% avg.; 1% plowed, 10% 1991, 10% avg. Corn 8% tasseling, 6% 1991, 8% avg. Crop insect activity mostly light. Livestock insect activity light to moderate. Cattle good; marketings average; prices higher.

OREGON: Temperatures above normal statewide; except in the southwest and south central areas, 1 to 2° below normal. Precipitation some areas; southern coast, northeast mountains 1.50 in., southeastern, central coast 1.00 in., Willamette Valley 0.25 in., elsewhere less than 0.10 in.

Soil moisture, 81% short, 19% adequate. Winter wheat 3% very poor, 22% poor, 55% fair, 20% good. Barley harvest has not started. Winter wheat headed 97%. Wheat, barley continue to suffer; dry conditions. First cutting of hay complete some second cutting started. Mint harvest continued. Strawberry harvest virtually complete, red raspberry harvest underway, blueberry harvest getting started; Willamette Valley. Briner cherry, sweet cherry harvest underway, Hood River, The Dalles district. Cranberry fruit set good to excellent, cranberry fertilizer applications; southern coast. Fruit, berry growers finding a shortage of pickers, due to early season. Pea harvest continued, additional concern over yields. Some sweet corn, green bean, broccoli planting continued, Willamette Valley. Eastern ranges, pastures continue to be extremely dry. Cattle being removed from public, private rangelands. Stockwater shortages continue, eastern areas; hauling water to stock. Pastures continued to dry up quickly, western areas. Statewide pasture, range 61% of normal.

PENNSYLVANIA: Temperature 72°, 8° above normal. Extremes 37°; 88°. Precipitation 0.04 in., 0.83 in. below normal.

Days suitable for fieldwork 6. Soil moisture 25% short, 71% adequate, 4% surplus. Corn 94% planted, 97% 1991, 90% avg.; 0% silk, 0% 1992, 0% avg.; height 7 in., 13 in. 1991, 8 in. avg.; 4% poor, 18% fair, 49% good, 29% excellent. Tobacco 73% transplanted, 84% 1991, 59% avg. Soybeans 80% planted, 85% 1991, 68% avg.; 1% very poor, 1% poor, 20% fair, 54% good, 24% excellent. Barley 0% boot, 1% 1991, 63% heading or headed, 33% 1991; 37% turning yellow, 31% 1991; 0% ripe, 21% 1991; 0% harvested, 14% 1991. Wheat 0% boot, 2% 1991, 98% heading or headed, 57% 1991; 2% turning yellow, 36% 1991; 0% ripe, 3% 1991; 0% harvested, 2% 1991.; 2% poor, 17% fair, 54% good, 27% excellent. Oats 0% boot, 5% 1991; 98% heading process or headed, 88% 1991; 2% turning yellow, 6% 1991; 0% ripe, 1% 1991; 0% harvested, 0% 1991. Oats 4% poor, 20% fair, 53% good, 23% excellent. Alfalfa first cutting 58% complete, 84% 1991. Quality of hay made 6% poor, 46% fair, 48% good. Feed from

pastures 2% very poor, 7% poor, 43% fair, 48% good. Peach 18% below avg., 73% avg., 9% above avg. Apple 18% below avg., 68% avg., 14% above avg. Activities: Spraying corn, small grains; hauling manure; spreading fertilizer; maintaining machinery; planting; cutting haylage; cutting, baling hay; caring for livestock.

PUERTO RICO: Rainfall of 1.92 in. was 0.60 in. above normal. Highest weekly rainfall was 7.96 in. at Trujillo Alto, and 6.12 in. at San Sebastian. Highest 24-hr total was 3.22 in. at San Sebastian. Divisional temperatures: about 80° on the coasts and 75° in the interior, with mean station temperatures ranging from 64.3° at Cerro Maravilla to 85.8° at Mayaguez. Extremes 54°; 94°. (For the week ending Friday, May 29, average rainfall was 6.48 in., with a maximum of 14.27 in. at Juana Diaz Camp. And for the week ending Friday, June 5, average rainfall was 1.53 in., with a maximum of 6.19 in. at Pico del Este Luquillo.)

SOUTH CAROLINA: Temperatures across the State 3 to 4° below normal midlands, upstate to near normal coast. Rainfall 2.10 in. statewide.

Days suitable for fieldwork 2.6. Soil moisture 62% adequate, 38% surplus. Tobacco fair to good; 17% topped, 24% 1991, 13% avg. Corn fair to good; 15% silked, 53% 1991, 23% avg. Cotton fair to good; 6% squaring, 28% 1991, 20% avg. Soybeans fair to good; 52% planted, 63% 1991, 66% avg. Peaches fair; 17% harvested, 13% 1991, 15% avg. Watermelons fair to good; 0% harvested, 6% 1991, 3% avg. Cantaloupes fair to good; 9% harvested, 12% 1991, 0% avg. Tomatoes fair to good; 5% harvested, 24% 1991, 14% avg. Cucumbers fair to good; 41% harvested, 46% 1991. Snap beans fair to good; 82% planted, 83% 1991, 93% avg. Oats fair to good; 88% ripe, 91% 1991, 91% avg.; 31% harvested, 69% 1991, 59% avg. Wheat fair to good; 86% ripe, 96% 1991, 94% avg.; 18% harvested, 72% 1991, 62% avg. Rye fair to good; 87% turning color, 100% 1991, 97% avg.; 79% ripe, 86% 1991, 85% avg.; 22% harvested, 58% 1991, 51% avg. Barley fair to good; 91% turning color, 97% 1991, 95% avg.; 83% ripe, 87% 1991, 85% avg.; 32% harvested, 62% 1991, 53% avg. Grain hay fair to good; 83% harvested, 82% 1991, 89% avg. Peanuts fair to good. Sorghum fair to good; 44% planted, 60% 1991, 61% avg. Pastures fair to good. Widespread rain last week slowed harvest, progress of crops. Some concern about damage caused by excess rain.

SOUTH DAKOTA: Temperatures 3° below normal to 7° above normal. Extremes 29°; 90°. Precipitation, widespread heaviest in the west, south. Maximum 3.77 in.

Days suitable for fieldwork 5.2. Topsoil 25% critical, 54% short, 21% adequate. Subsoil 42% critical, 41% short, 17% adequate. Rye 9% very poor, 17% poor, 61% fair, 13% good. Barley 3% very poor, 27% poor, 45% fair, 24% good, 1% excellent. Oats 2% very poor, 22% poor, 43% fair, 29% good, 4% excellent. Flax 4% very poor, 1% poor, 68% fair, 27% good. Sunflowers 10% poor, 35% fair, 55% good. Sunflowers 82% planted, 55% 1991, 76% avg. Despite the rainfall all crops need moisture to continue crop progress. Livestock 1% poor, 13% fair, 77% good, 9% excellent. Pasture 68% of normal, very short. Water supplies 14% very short, 37% short, 49% adequate. Feed supplies 2% surplus, 62% adequate, 30% short, 6% very short.

TENNESSEE: Weak cold front moved southeastward across State 8th, became stationary to south of State 9th. Front remained south of State through remainder of week resulting in light rain with scattered showers, thunderstorms. Temperatures

were near normal West, Middle; 2 to 7° below normal east. High temperatures upper 70s to low 80s. Low temperatures mid 60s. Much of the State received significant rainfall during the week. Rainfall 0.75 to 4.00 in. above normal Statewide.

Days suitable for fieldwork 2.6. Soil moisture 1% short, 54% adequate, 45% surplus. Corn 2% tasseling, 6% 1991, 5% avg.; 1% poor, 17% fair, 72% good, 10% excellent. Sorghum 100% planted, 62% 1991, 83% avg.; 1% poor, 45% fair, 54% good. Soybeans 64% planted, 38% 1991, 62% avg. Tobacco 92% transplanted, 87% 1991, 86% avg.; 1% very poor, 1% poor, 36% fair, 60% good, 2% excellent. Wheat 100% turning color, 91% 1991, 97% avg.; 58% ripe, 78% 1991, 69% avg.; 4% harvested, 27% 1991, 25% avg.; 3% poor, 43% fair, 52% good, 2% excellent. Alfalfa 98% 1st cutting, 93% 1991, 98% avg.; 4% 2nd cutting, 10% 1991, 20% avg. Hay 1% very poor, 12% poor, 52% fair, 34% good, 1% excellent. Pastures 3% poor, 22% fair, 62% good, 13% excellent. Showers slowed field activities Statewide all week.

TEXAS: Coverage of rainfall declined as the week progressed. Upper level low pressure helped spark rains early in the week that shifted slowly eastward. Replaced by upper level high pressure that capped most chances of rain by weekend. Heaviest rainfall over an inch in High Plains, Low Plains. Several stations in Northern High Plains received over 2 in. of rainfall for the week with flooding reported. Rainfall totals depicted spotty nature of the past week's weather. Many stations received an inch or two of rainfall while neighboring stations reported much lighter amounts. Temperatures near or below normal. Western half of State had below normal readings while central, east had near normal readings. Cooler readings in the west due to rainfall, cloudiness.

Crops: Small grain fields plagued by scattered rainfall, wet conditions. Few wheat fields harvested as open weather lingered. Many wheat fields declined in quality due to wet weather, mold, sprouting. In Blacklands oat stands declined due to excessive water. Corn fields continued to look good. Some late planted fields suffered from excess moisture in the Blacklands. Acreage affected by northern leaf blight caused concern in South Central Texas. Grain sorghum planting was interrupted part of the week by adverse weather conditions on the Plains. Some fields were sprayed for midge along the Upper Coast. Few fields on the Plains received isolated hail damage. Cotton producers aerial sprayed fields for boll weevils, thrips in the Blacklands. Excess moisture caused damage to many fields. On the Plains seedling and wet weather blight diseases increased in some fields. In Central Texas plants struggled, cultivating should help plants respond. Rice fields were beginning to head along the Upper Coast. Rice blast disease was observed in some fields, control measures have begun. Peanut planting delayed in some areas by wet conditions. Stands in some fields poor due to cool soil, water logged areas. Soybean growth slow due to excess moisture. Some plants started setting pods although many plants turning yellow. Stinkbug damage minimal.

Commercial Vegetables: In Rio Grande Valley, watermelon harvest winding down. Other crops progressing good. Insect and disease problems minimal. In East Texas, disease and insect infestation heavy on late planted vegetables. Some onions harvested. On the High Plains, excess water drowning many small plants. Onions recovering from the wet conditions. In the Trans-Pecos, chili peppers setting fruit. Early tomatoes ripening. Spraying for casebearers on pecan trees continued in many areas. In the Cross Timbers some tree limbs and nutlets damaged by high winds. Scab disease and aphids increasing in the Hill Country.

Range and Livestock: Sunlight promoted excellent plant growth. Most fertilized pastures ready to be cut for hay. Livestock conditions remained good; however, mosquitos were becoming a major problem.

UTAH: Temperatures 1° above normal, minimums 2° above normal. No precipitation Dixie, Uinta Basin divisions; light precipitation all the other divisions.

Days suitable for fieldwork 6.5. Soil moisture 80% short, 20% adequate. Spring wheat booting or better 94%, 54% 1991, 71% avg. Spring wheat headed or better 75%, 27% 1991, 37% avg. Spring wheat turning or better 4%. Barley booting or better 95%, 67% 1991, 75% avg. Barley headed or better 85%, 24% 1991, 44% avg. Barley turning or better 16%. Oats jointed or better 86%, 63% 1991, 74% avg. Oats booting or better 64%, 31% 1991, 44% avg. Oats headed or better 26%, 13% 1991. Winter wheat booting or better 100%, 73% 1991. Winter wheat headed or better 94%, 47% 1991, 76% avg. Winter wheat turning or better 15%. Corn emerged 98%, 83% 1991. Corn height 15 inches, 6 inches 1991, 10 inches avg. Alfalfa 1st cutting 84% complete, 25% 1991, 48% avg. Other hay 27%, 6% 1991. Mormon crickets were reported along Utah Idaho border near Snowville. Sweet cherries picked 33%. Cattle moved to summer range 86%, 65% 1991. Sheep moved to summer range 76%, 59% 1991. Pasture, range good to excellent.

VIRGINIA: Temperatures near normal. Extremes 46°; 98°. Precipitation was below normal 0.05 in. at Washington (DCA) to 2.17 in. at Blacksburg.

Days suitable for fieldwork 2.5. Topsoil 2% short, 52% adequate, 46% surplus. Pasture 29% fair, 48% good, 23% excellent. Alfalfa 2% poor, 20% fair, 65% good, 13% excellent. Apples mostly good. Potatoes mostly good to excellent. Other hay 6% poor, 51% fair, 35% good, 8% excellent. Corn 97% planted, 99% 1991, 97% avg. Corn 8% poor, 45% fair, 45% good, 2% excellent. Soybeans 45% planted, 60% 1991, 57% avg.; 48% fair, 52% good. Peanut 100% fair. Fire tobacco 99% transplanted, 99% 1991, 92% avg. Burley tobacco 82% transplanted, 95% 1991, 89% avg. Tobacco 13% poor, 26% fair, 47% good, 14% excellent. Wheat 4% harvested, 40% 1991, 19% avg. Barley 16% harvested, 75% 1991, 37% avg. Oats 18% harvested, 40% 1991, 18% avg. Heavy rains caused lodging in some barley, wheat fields. Cutting hay, spraying wheat, potatoes, fruit, tying tomatoes, cultivating, sidedressing tobacco.

WASHINGTON: Temperatures 1° below to 3° above normal, west; 1° to 7° above normal, east. Rain-fall none to 0.54 in. west; none to 1.34 in. east.

Days suitable for fieldwork 7.0. Soil moisture 72% short, 28% adequate. Hay, other roughage 1% very short, 22% short, 65% adequate, 12% surplus. Range, pasture 30% very poor, 40% poor, 30% fair. Winter wheat 6% very poor, 56% poor, 26% fair, 12% good; 100% headed, 91% 1991, 85% avg. Winter barley 10% very poor, 57% poor, 28% fair, 5% good; 90% headed, 50% 1991, 55% avg. Potatoes 100% emerged, 99% 1991, 100% avg; early red potatoes harvested, crop mostly good. Spring wheat 90% headed, 49% 1991, 49% avg. Corn 100% planted, 99% 1991, 100% avg. Dry beans 100% planted, 94% 1991, 97% avg. Alfalfa hay first cut 86% complete, 65% 1991, 64% avg; second cut 13% complete, 1% 1991, 1% avg. Precipitation received during the week; not enough to alleviate drought conditions. Winter wheat,

barley condition holdings. Haying continued, second cutting progressing well in central areas. Estimated pea yields below normal, aphid populations rising. Rain damage to cherries universal Chelan county, except higher elevations where crop not that far along. Rain caused cracking Grant county; harvest there complete southern areas, half way point elsewhere. Cherry harvest continues. Apples sizing well. Asparagus harvest complete. Raspberries, blueberries harvested west; strawberry harvest continues. Pastures short most areas; horn, face flies could be bad this year.

WEST VIRGINIA: Temperature 67°. Extremes 45°; 88°. Precipitation 0.59 in.

Days suitable for fieldwork 4.1. Soil moisture, 10% short, 75% adequate, 15% surplus. Tobacco fair to good; 100% set. Gardens good; 78% planted, 65% emerged. Wheat excellent; 85% jointed, 80% headed. Barley excellent, 100% headed. Corn good; 88% planted, 86% emerged. Oats good; 85% planted, 80% emerged. Hay 9% fair, 64% good, 27% excellent, 25% first cut. Apples fair. Peaches good. Pastures 8% fair, 56% good, 36% excellent; 87% of normal. Cattle good. Sheep good. Farm activities: General maintenance, cutting hay, fencing, working cattle.

WISCONSIN: Temperature 68°; 4° above normal. Extremes 34°; 97°. Precipitation 0.10 to 0.30 in. A good soaking rain is needed all over the State.

Days suitable for fieldwork 6.7. Soil moisture 94% short, 6% adequate. Pasture condition 59% of normal, 87% 1991, 77% avg. Dry conditions have helped to decrease the pasture conditions in the past week. General condition of crops 2% very poor, 14% poor, 59% fair, 25% good. Oats 9% headed, 14% 1991, 19% avg. Oats 5% very poor, 16% poor, 52% fair, 26% good, 1% excellent. Corn height 9 in., 14 in. 1991, 11 in. avg. Corn 2% very poor, 14% poor, 47% fair, 36% good, 1% excellent. Soybeans 97% planted, 94% 1991, 92% avg. Soybean, 3% very poor, 17% poor, 47% fair, 32% good, 1% excellent. First crop hay 57% harvested, 57% 1991, 53% avg.

WYOMING: Warm, dry weather prevailed over most of the State. Temperatures generally ranged from near normal to 4° above normal with the exception being in the southeast where temperatures 1 to 4° below normal. Almost the entire state had below normal precipitation. Deficits 0.10 to 0.50 in.

Days suitable for fieldwork 6.3. Topsoil 80% short, 20% adequate. Spring wheat 22% emerged not jointed, 38% 1991, 42% avg.; 47% jointed not in boot, 31% 1991, 30% avg.; 19% boot, 29% 1991, 22% avg.; 11% headed, 2% 1991. Oats 27% emerged not jointed, 66% 1991, 58% avg.; 40% jointed not in boot, 19% 1991, 27% avg.; 21% boot, 15% 1991, 14% avg.; 6% headed. Barley 15% emerged not jointed, 76% 1991, 41% avg.; 19% jointed not in boot, 14% 1991, 16% avg.; 28% boot, 9% 1991, 26% avg.; 37% headed. Sugarbeets 100% emerged. Corn 97% emerged. Potatoes 10% planted not emerged; 90% emerged, 50% 1991, 71% avg. Dry beans 95% planted; 55% emerged, 25% 1991, 54% avg. Winter wheat 2% emerged not jointed, 16% 1991, 12% avg.; 15% jointed not in boot, 14% 1991, 16% avg.; 29% boot, 38% 1991, 37% avg.; 54% headed, 32% 1991, 35% avg. Sugarbeet acreage thinned 56%, 54% 1991, 63% avg. Irrigation water supplies 66% short, 34% adequate. Alfalfa: percent of first cutting completed 16%. Other hays: percent of acreage harvested 2%. Range livestock moved to summer ranges: cattle, calves 79%; sheep, lambs 80%. Stockwater supplies 58% short, 42% adequate.

International Weather and Crop Summary HIGHLIGHTS

June 7 - 13, 1992

FSU: Although beneficial rain eases persistent dryness in Black Soils Region, the middle Volga continues to be unfavorably dry. Showers continue to benefit crops in major growing areas of Ukraine and North Caucasus.

EUROPE: Widespread rain continues across the region, reaching into Poland. Dry weather persists in extreme northern Germany, but soil moisture improves in most European crop areas.

SOUTH ASIA: Beneficial showers in the south and east improve summer crop planting prospects.

EASTERN ASIA: Moisture is needed for summer crop germination in portions of the North China Plain. Beneficial rain aids summer crops in Manchuria.

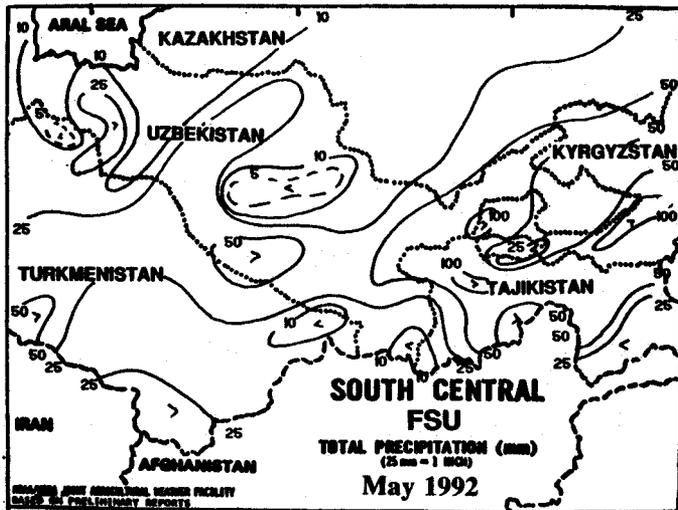
SOUTHEAST ASIA: Highly beneficial rain covers Thailand and the Philippines.

AUSTRALIA: Beneficial moisture prevails for winter grain germination in the west. Eastern grain areas are becoming dry.

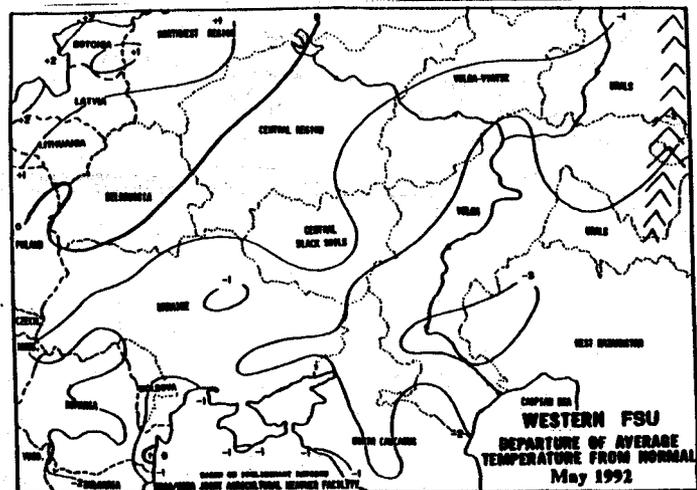
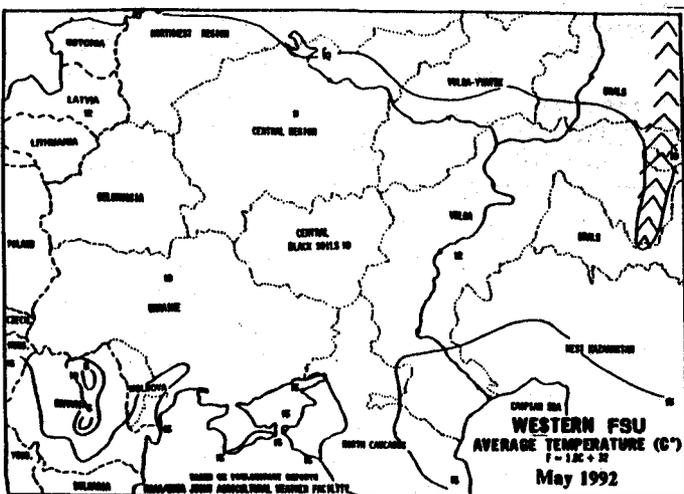
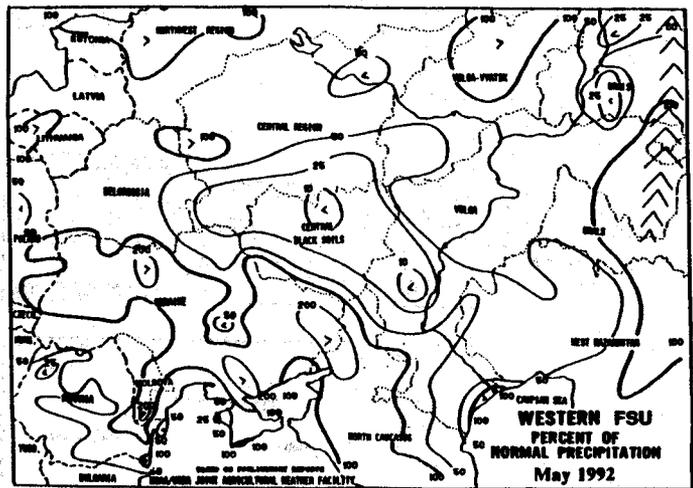
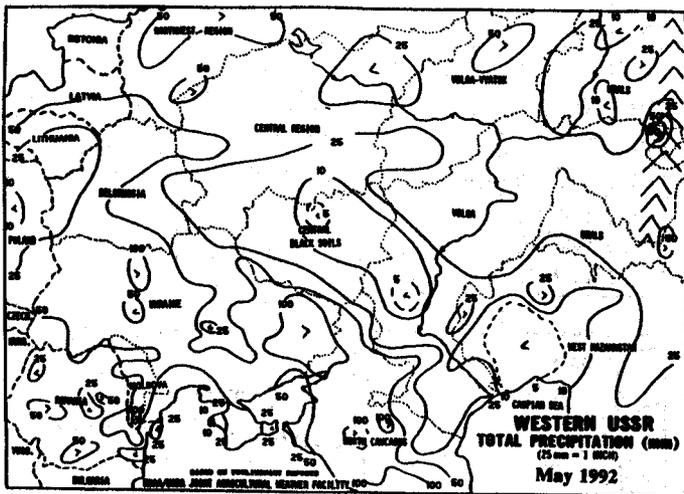
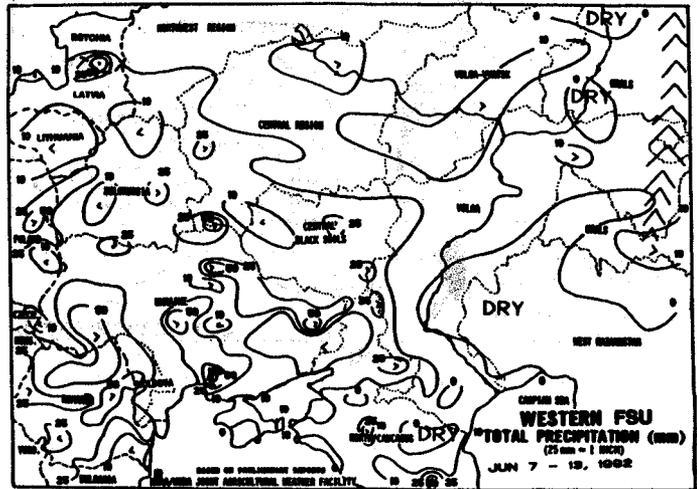
SOUTH AMERICA: Dry weather continues to favor soybean harvesting in Argentina, while scattered rain favors winter grains. Drier weather reduces flooding in southern Brazil.

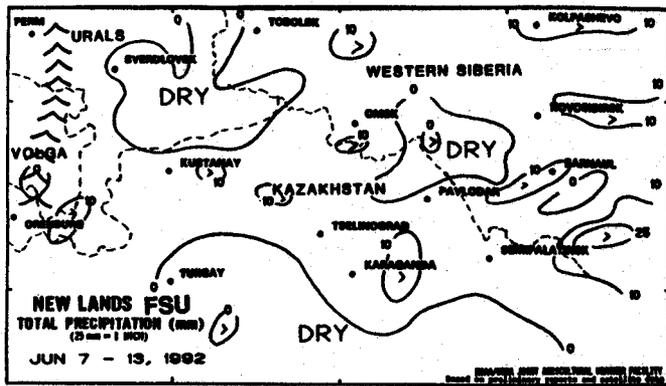
MEXICO: Favorable soil moisture exists for vegetative corn.

CANADA: Much needed rain helps germination in the southwestern Prairies. Frost causes some minor damage to newly emerged grains and oilseeds in the northeast.

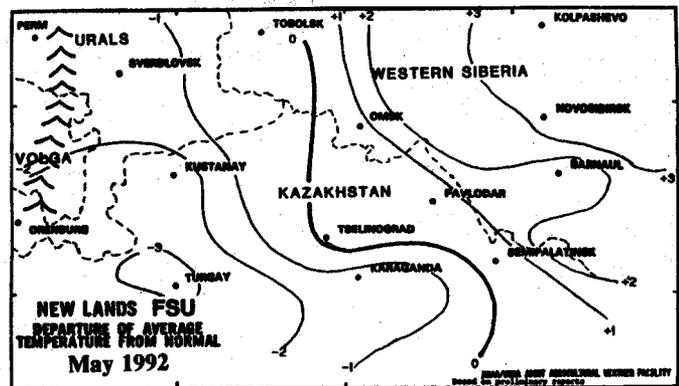
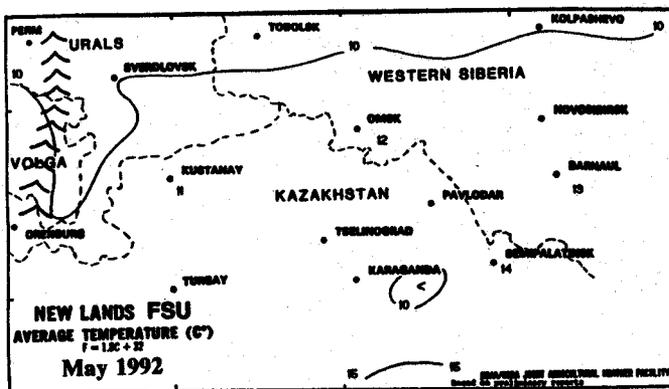
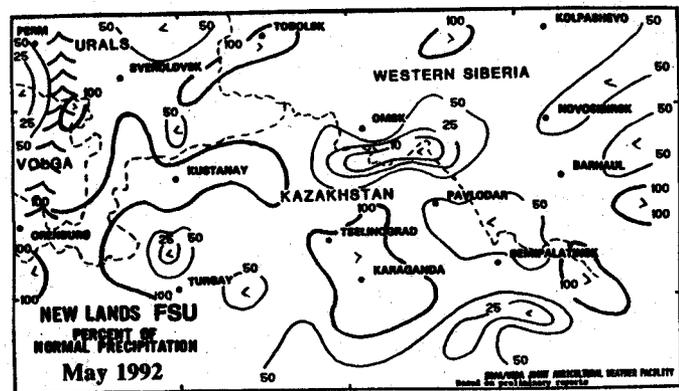
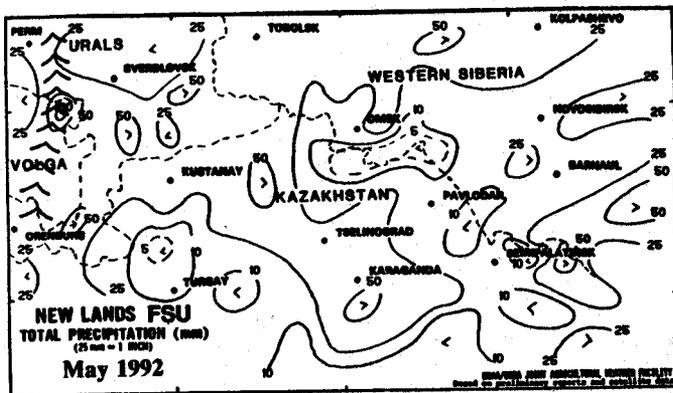


FSU - WESTERN: Widespread light to moderate rain (10-30mm, with local amounts in excess of 50 mm) continued over Ukraine and North Caucasus and spread over northern grain areas. Showers (10-25 mm) over the southern portion of Central Region, Black Soils Region, and Volga Vyatsk Region helped to ease persistent dryness, benefiting winter grains in the reproductive phase of development and spring grains in the vegetative growth stage. Little, if any, rain covered the middle Volga, continuing a 7-week dry spell. Weekly average temperatures were 1-2 degrees Celsius (C) above normal in the north and 1-2 degrees C below normal in the south. In May, winter grains entered the heading stage in major southern growing area and were jointing in the north. Crop progress for spring grains ranged from emergence to tillering in the north and jointing in the south. Mostly dry weather from May 1 to May 21 over Ukraine and North Caucasus allowed timely corn planting. Widespread soaking rain (50-100 mm) began over these areas around May 22 and continued until month's end. The rain was timely for winter grains advancing through reproduction and for corn emergence. Further north, below-normal precipitation allowed rapid completion of late-season planting. Although little, or no, precipitation reduced soil moisture over the southern portion of Central Region, Black Soils Region, and lower Volga, below-normal temperatures limited crop stress.

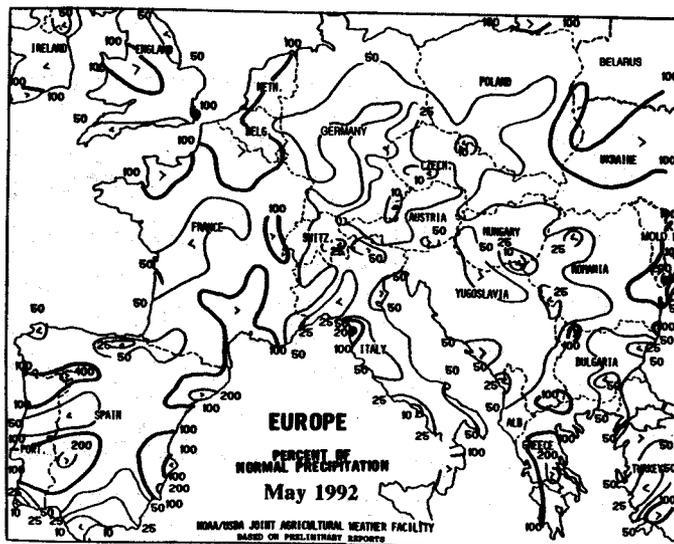
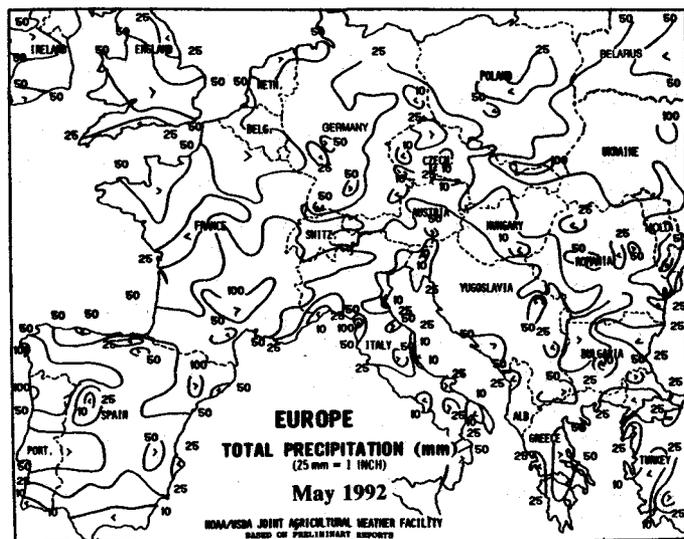
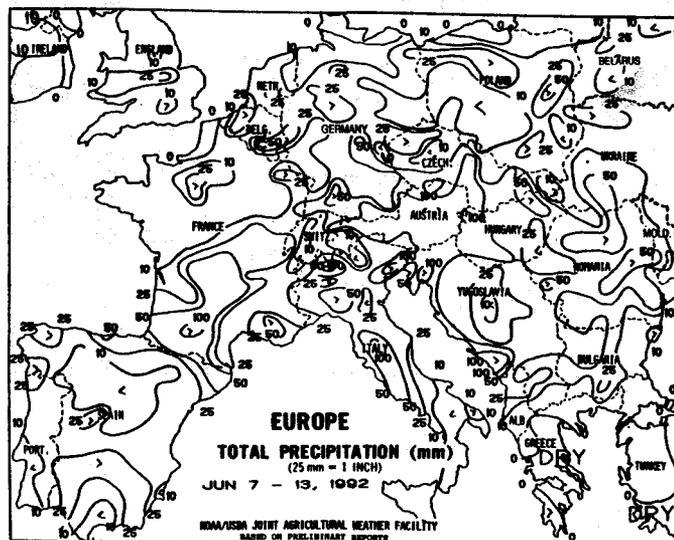


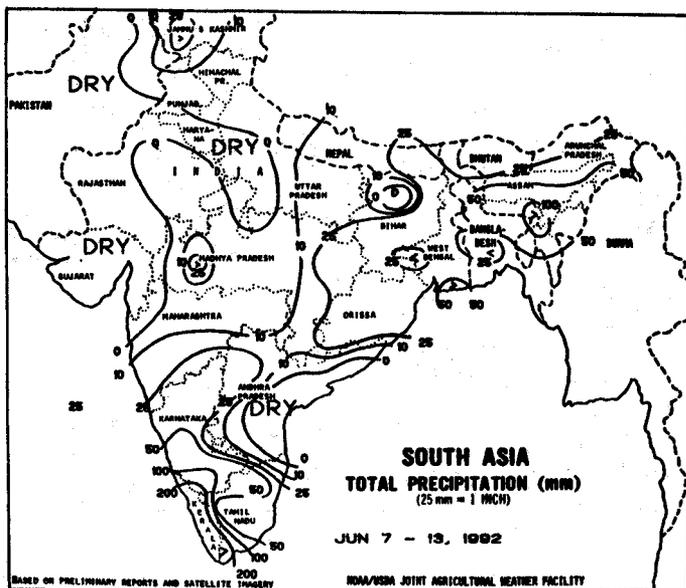


FSU - NEW LANDS: Unseasonably cold weather continued over most areas, slowing seed emergence and early plant growth. Weekly average temperatures were 3-6 degrees C below normal. Lowest weekly temperatures fell below freezing (-1 to -3 degrees C) at many locations. Although temperatures were not low enough to cause significant damage to spring grains, some damage to tender vegetable crops likely occurred. Precipitation during the week was generally light (less than 10 mm), allowing late-season planting to progress to completion. In May, precipitation was highly variable. Greatest amounts of rain (25-50 mm) fell in a narrow band that stretched northeastward from Orenburg, through Kustanay, and southeastward around Tselinograd and Karaganda, slowing planting. Little, or no, rain fell southeastward from Omsk, through Pavlodar, and Semipalatinsk. Despite May's dryness in some areas, overall moisture conditions for crop emergence and early growth are much better than last year. In South Central FSU cotton areas, the combination of saturated soils and unseasonably cold weather in early May damaged emerging cotton in Uzbekistan. Reports indicate about one-third of the cotton area will have to be resown with early maturing varieties.

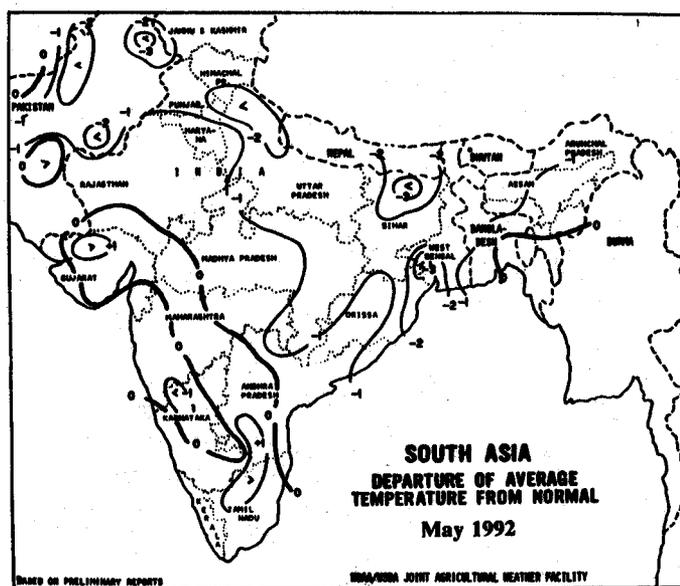
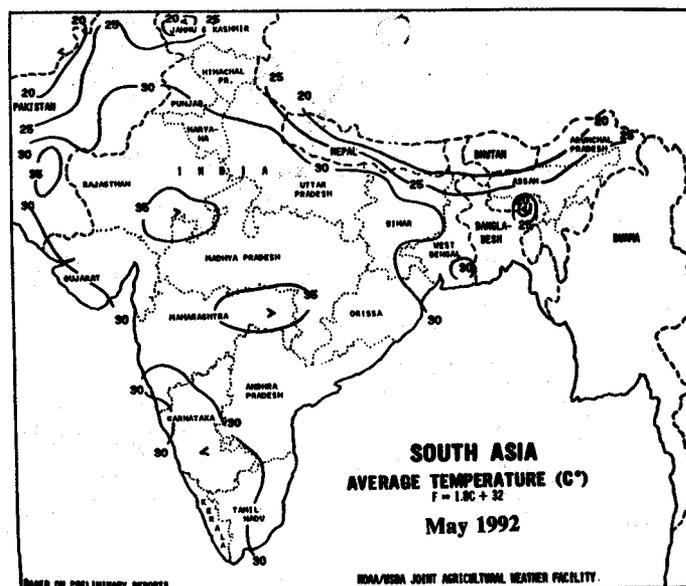
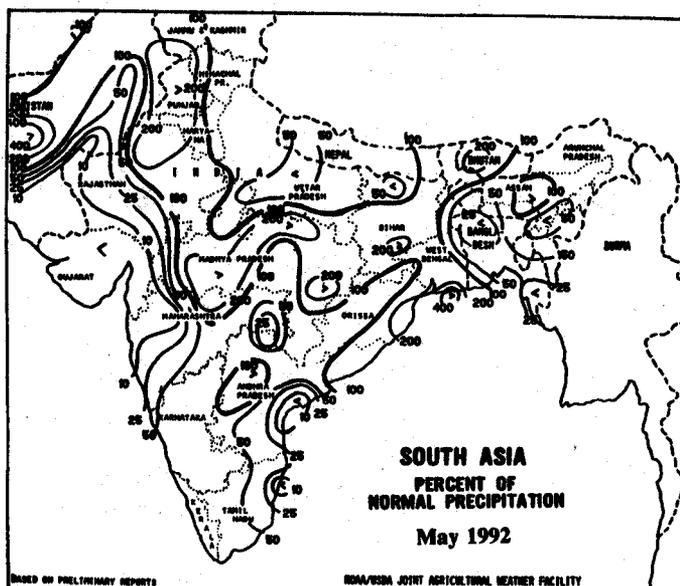
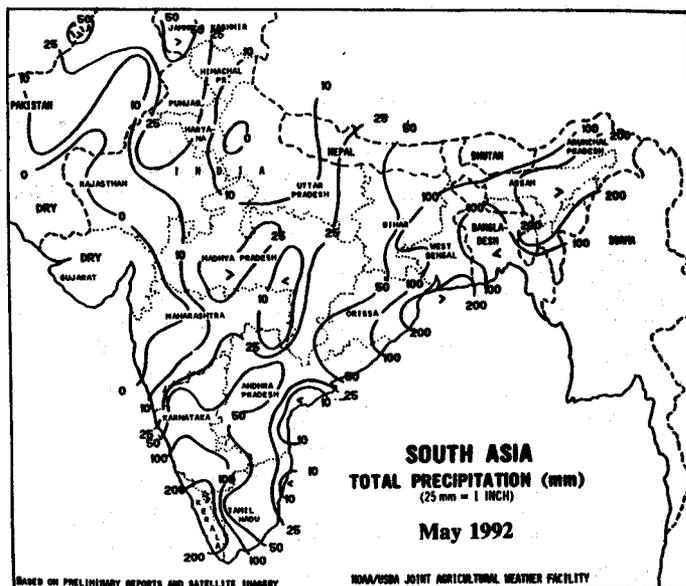


EUROPE: The wet weather pattern continued across the region, with significant rain (10-66 mm) reaching southern Spain in the southwest and Poland in the northeast. The Mediterranean showers were well above normal for this time of year but were beneficial for summer crops. The improved topsoil moisture in Poland was also favorable for immature winter grains and summer crop growth. Substantial rain (25-82 mm) for the second consecutive week in Hungary and surrounding countries alleviated dry soils. Locally heavy rain (50-161 mm) again soaked southern France and covered northern and central Italy. Mostly dry weather returned to northern France, which benefited from early June rain, and continued in extreme northern Germany, which has been persistently dry. Unfavorable spring dryness has covered much of Denmark as well. May monthly rainfall reflects spring dryness for European crops, with below-normal rainfall covering much of the region. In fact, the scattered areas of near-normal monthly rainfall were the result of late May rain, which began to reverse the drying trend throughout Europe. The recent wetness has been accompanied by cooler-than-normal weather across the Mediterranean region.

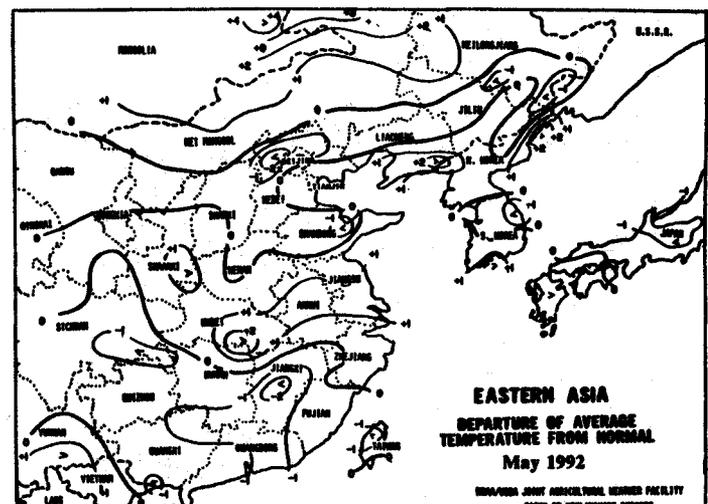
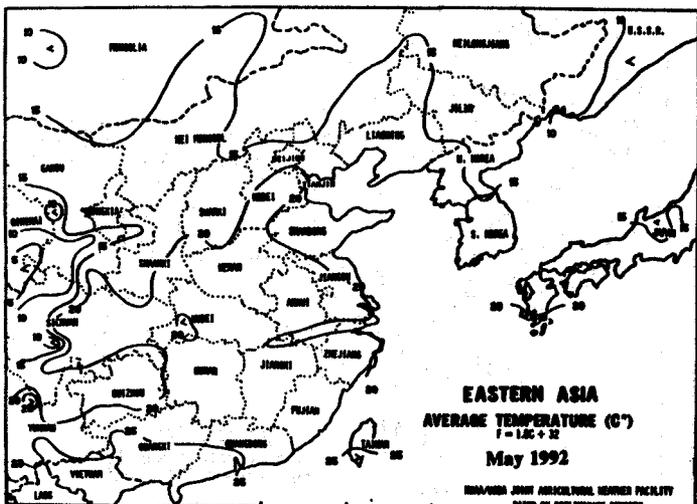
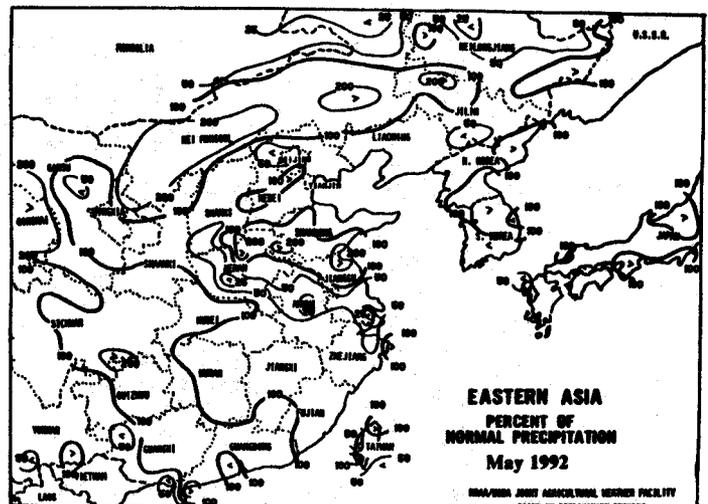
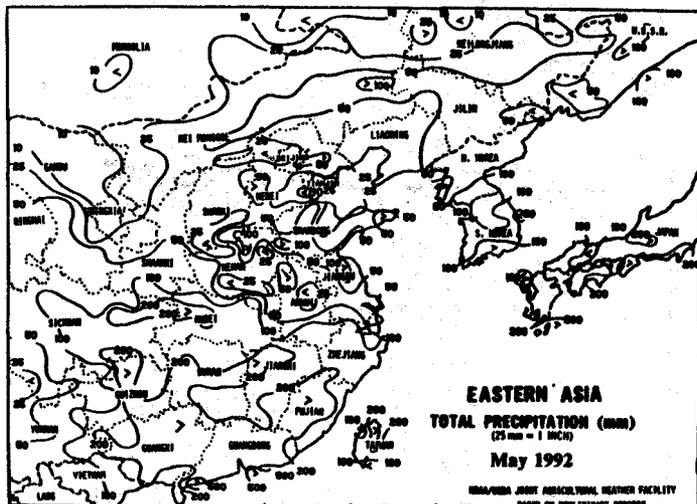
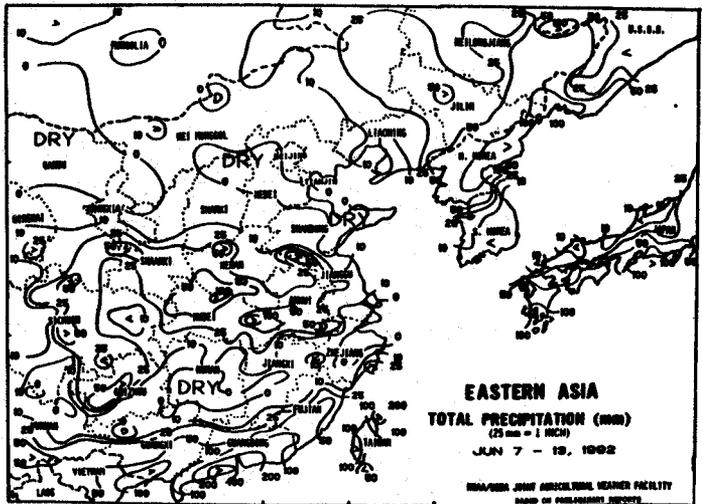


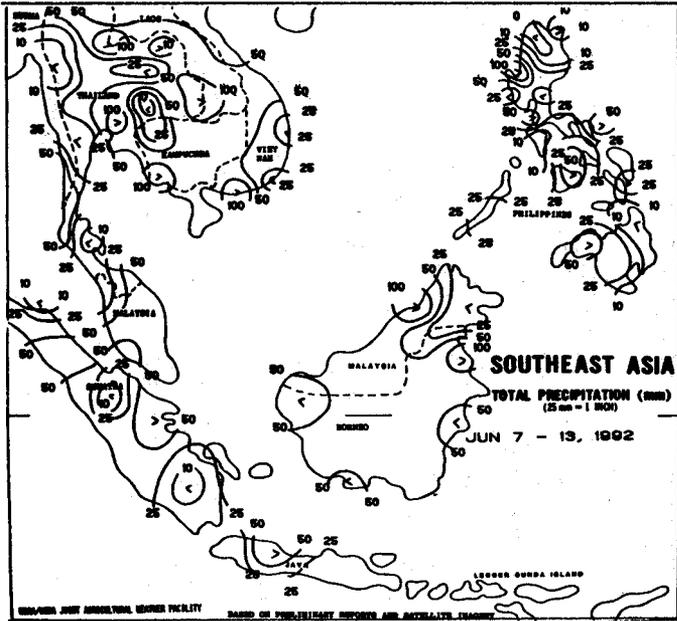


SOUTH ASIA: The southwest monsoon circulation strengthened over southern and eastern India, bringing beneficial rain (25-50 mm or more) to most summer crop regions of southern India and rice areas from eastern Madhya Pradesh westward. Flooding from inundating rains (100-311 mm) was likely in Kerala. Although the monsoon onset was a few days late, it appears to be progressing northward, likely encouraging normal planting activities. Further north, hotter-than-normal weather persisted over central and northwestern crop areas, stressing livestock and increasing irrigation demands on newly planted crops, such as cotton. During May, pre-monsoon showers increased over southern India and rice areas of Bangladesh and eastern India, promoting planting. Although temperatures averaged near to below normal in central and northwestern areas, periodic hot weather stressed livestock. On the 19th, a cyclone which formed in the Bay of Bengal brought heavy rain and sustained winds of 75 knots to Myanmar.

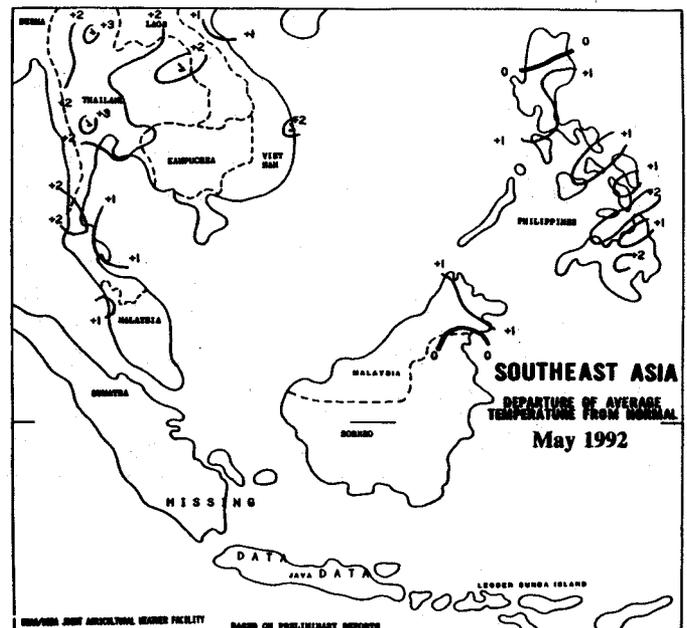
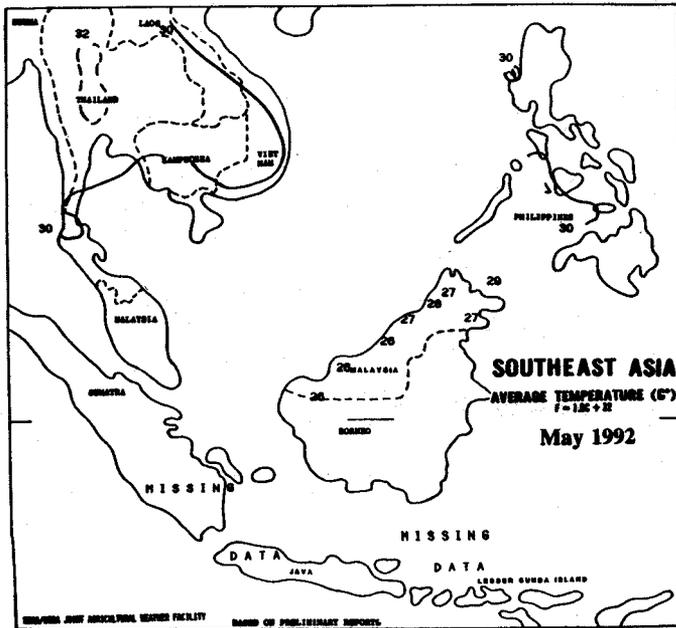
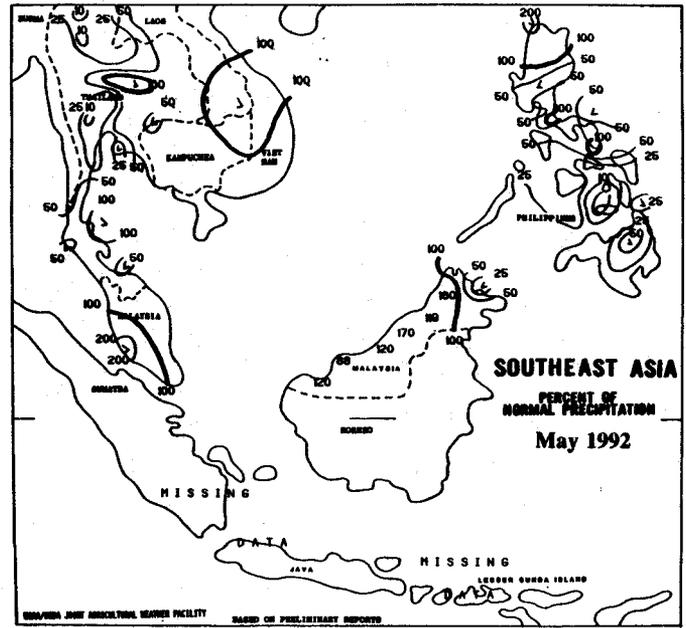
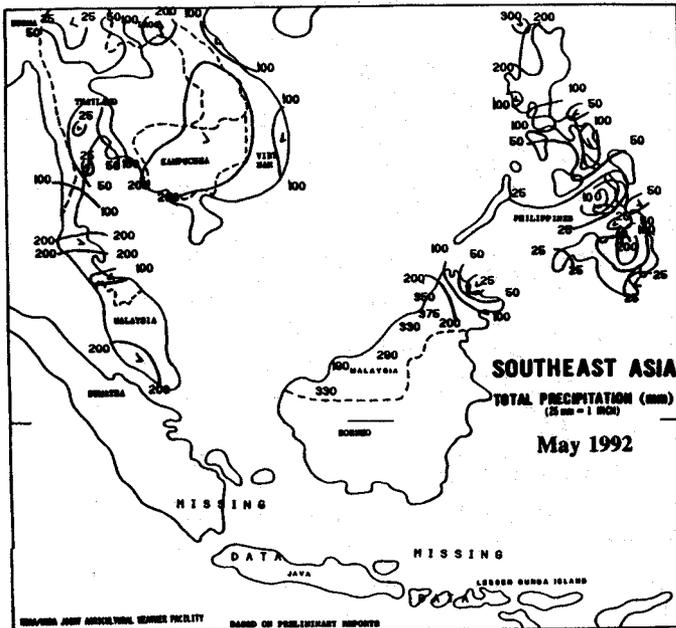


EASTERN ASIA: Dry weather continued across portions of the North China Plain (Shandong, Hebei, and Shanxi), where moisture is needed for summer crop germination. Conversely, the dryness promoted winter wheat maturation and early harvesting. While temperatures were somewhat cooler across the region, the southern wheat belt (Henan to northern Jiangsu) reported maximum temperatures from 35 to 40 degrees C (1-4 degrees C above normal). However, this area received light to moderate rain (17-50mm), replenishing topsoils. Manchuria continued to receive favorable moisture (20-76 mm) for germination, but temperatures averaged 4-7 degrees C below normal, slowing early growth. The lower Yangtze Basin, which had been tending dry, received moderate showers (15-55mm). Scattered showers (16-68mm) covered central and southern China, with portions of Sichuan, Hunan, and Jiangxi receiving only light rain (less than 10 mm). Heavy to torrential rain (140-450 mm) again fell across southern Guangxi and Guangdong, producing additional flooding. While May rainfall was normal to above normal across the North China Plain, rainfall declined as the month progressed, drying topsoils. Most of Manchuria, except for western Jilin, received below normal rainfall, which favored planting but reduced topsoil moisture. The lower Yangtze Basin received below-normal rainfall, while above-normal rains hit extreme southern China.

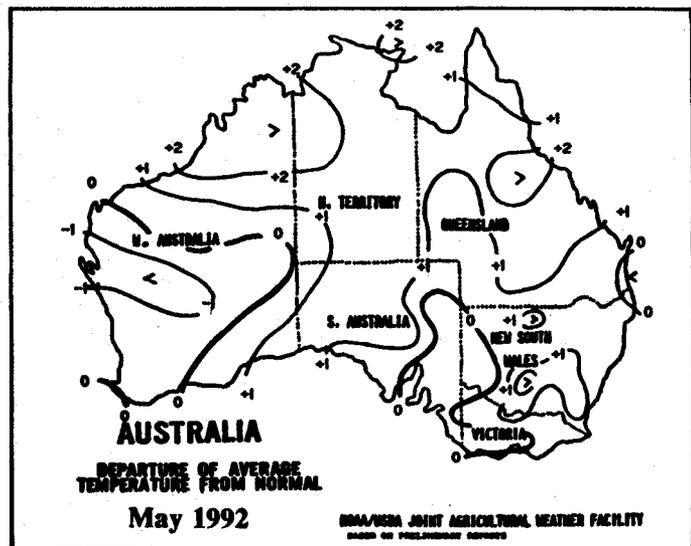
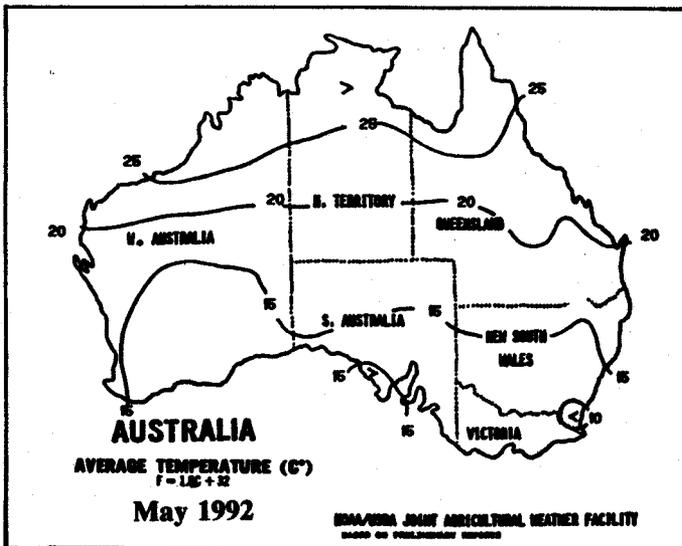
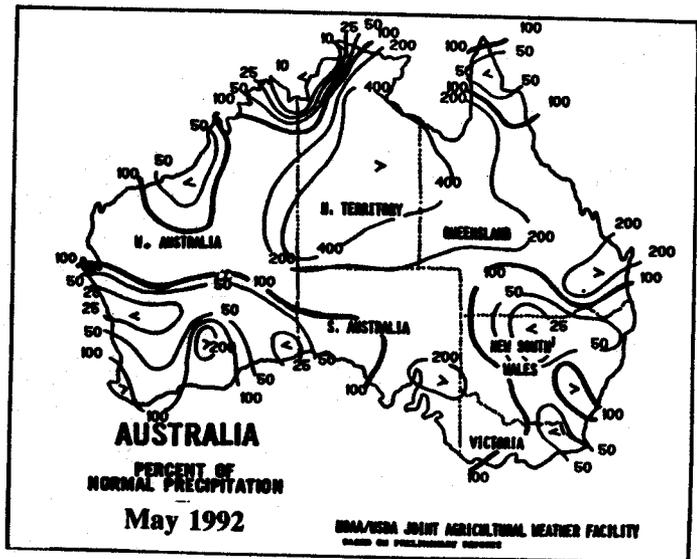
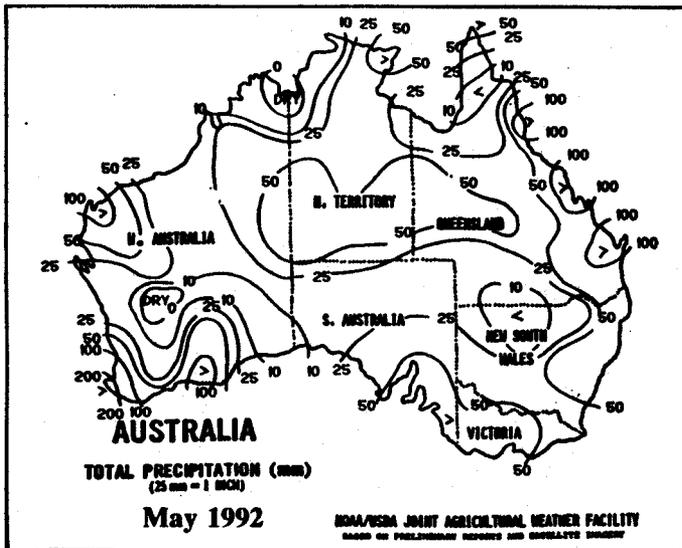
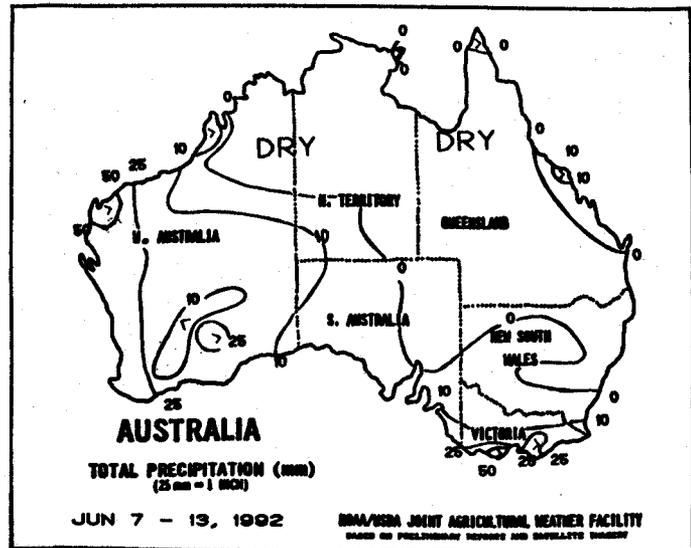


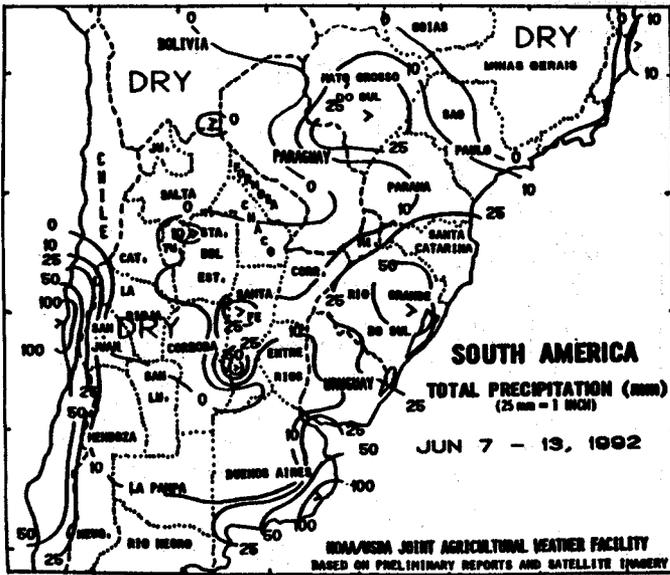


SOUTHEAST ASIA: Widespread, moderate to heavy showers (33-144 mm) covered much of Indochina, including drought-stricken areas in Thailand along the Chao Phraya River. The showers, which were accompanied by more reasonable temperatures, brought much needed relief to emerging corn and rice. During May, much drier- and warmer-than-normal weather covered northern and central Thailand, although mid-month rains improved planting prospects. In the Philippines, rainfall continued to increase from central Luzon through the western Visayas to Mindanao, with most locations reporting 25-60 mm. While many locations are still reporting below-normal totals, the recent showers and the convective activity depicted by satellite imagery are a reversal of unfavorably warm, dry weather experienced during April and May, the normal start to the rainy season. Main-season rice, corn, and sugarcane were adversely affected by the chronic dryness.

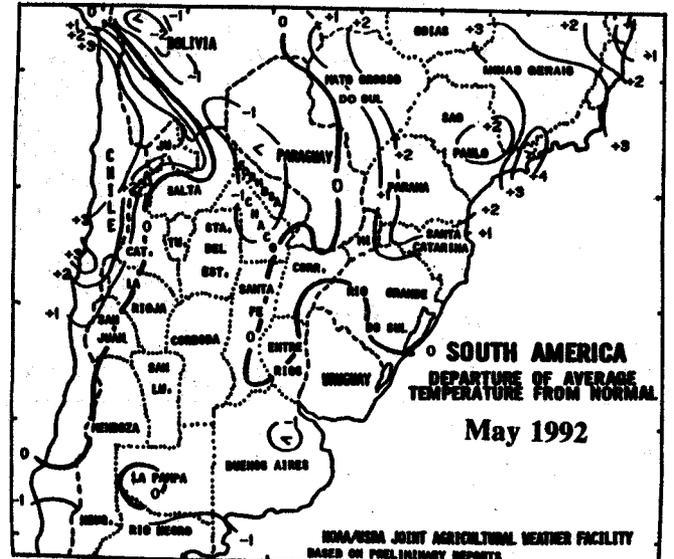
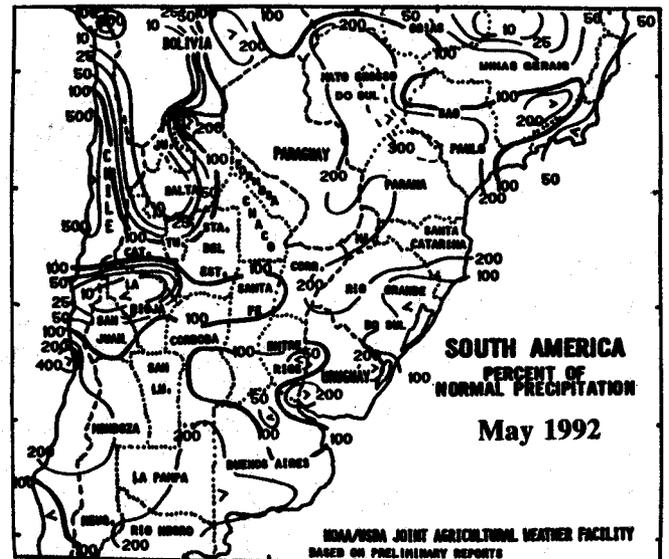
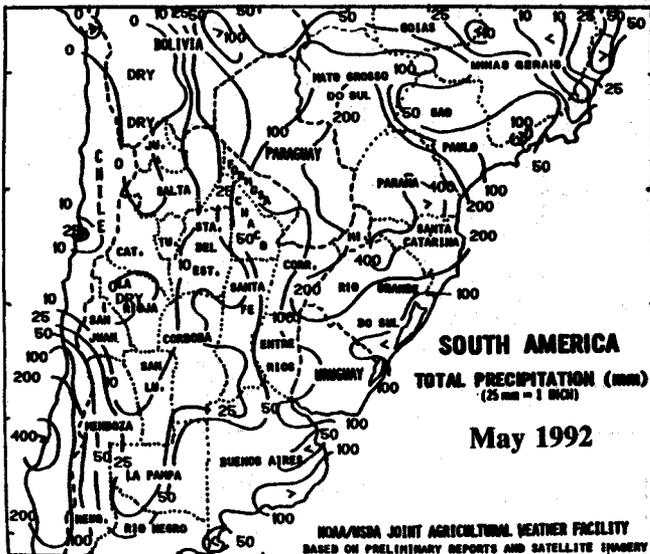


AUSTRALIA: Western winter grain areas received light to moderate rain (7-39mm), favoring topsoil moisture for germination. May rainfall across the west ranged from 25 to 75 percent of normal, raising concerns about topsoil moisture. Light rain (less than 5mm) fell across southern Queensland and New South Wales, continuing the May drying trend. The dry weather aided planting progress, but moisture is needed to ensure favorable germination and vegetative growth. South Australia and Victoria received seasonal weekly amounts (6-21mm), where May rainfall averaged normal to above normal. The majority of the winter grain crop should be in the ground. Weekly temperatures averaged near normal across the west and 2-3 degrees C below normal in the east.

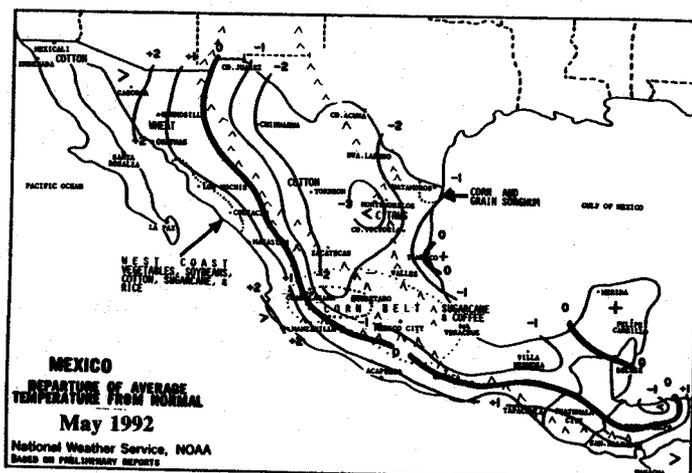
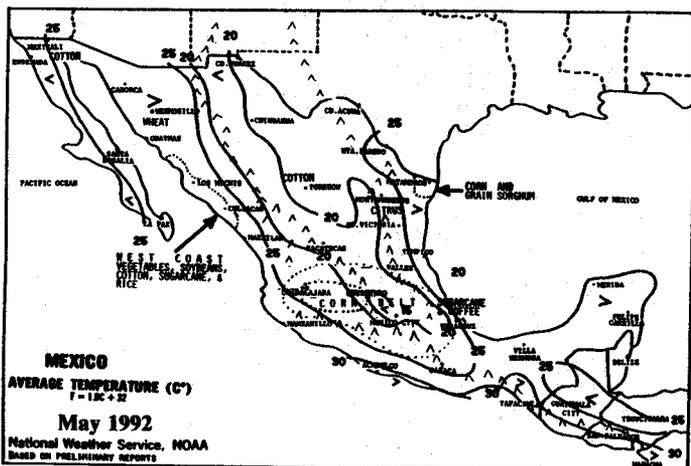
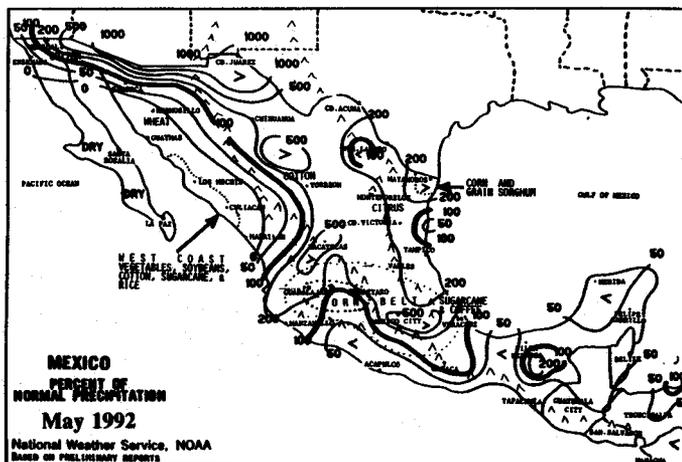
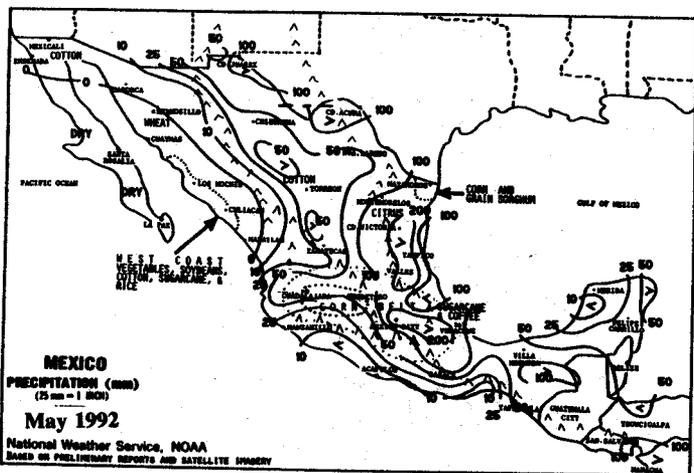
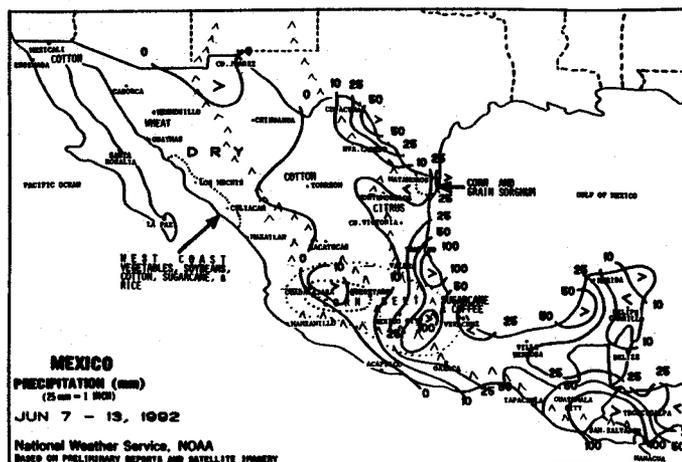


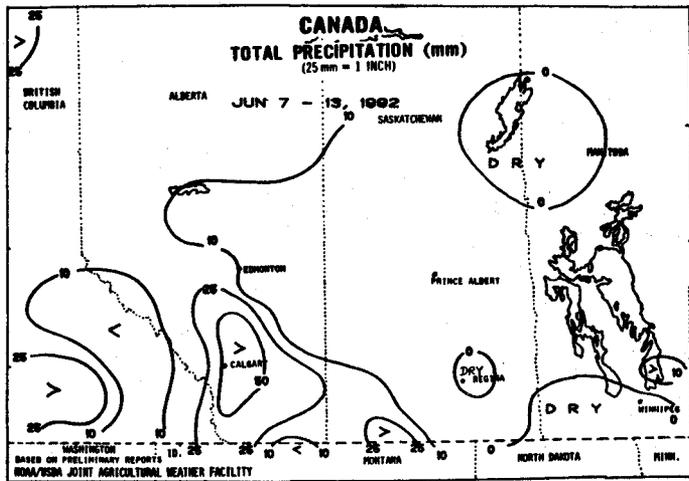


SOUTH AMERICA: In Argentina, showers (35-110mm) fell across Santa Fe and southern Buenos Aires, favoring winter grain germination, while the remaining crop areas received only light rain. The dry weather continued to favor soybean harvesting and winter wheat planting. During May, rainfall averaged below normal across most of Argentina, aiding fieldwork. However, La Pampa and central and southern Buenos Aires received normal- to above-normal rainfall, increasing soil moisture. In these areas, the rain came in only a couple of days, causing some local flooding, but dry conditions prevailed the second half of the month, favoring land preparation for winter grains. Drier weather across northern Argentina and southern Paraguay helped to relieve flooding along the Paraguay River. The flooding was caused in part by above-normal May rainfall in eastern Paraguay and adjacent parts of Brazil. Across southern Brazil, moderate showers (13-67mm) kept soil moisture levels high for winter grains. Persistent heavy rains in May, from Mato Grosso do Sul southward into Rio Grande do Sul, produced above- to much-above-normal rainfall (200-300 percent of normal), causing soybean harvesting delays, possible crop damage, and flooding. Continued dry weather since May benefited coffee, sugar, and citrus harvesting across northern Sao Paulo and south-central Minas Gerais. Moderate to heavy rain (78-122mm) fell across central Chile, favoring irrigation levels. Weekly temperatures averaged near normal across central Argentina and southern Brazil.

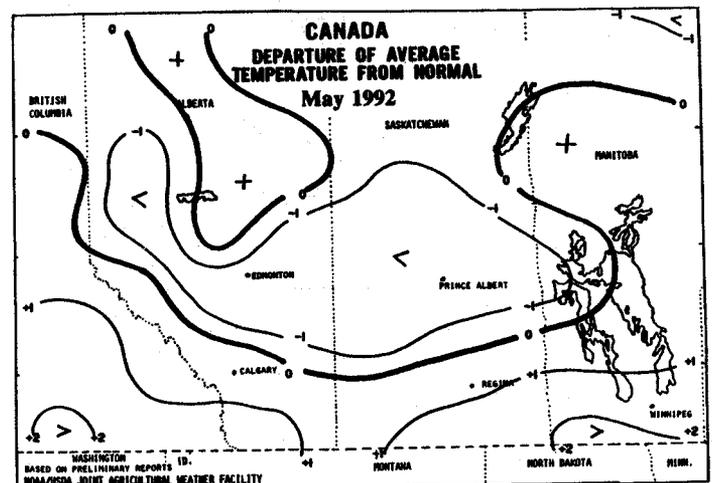
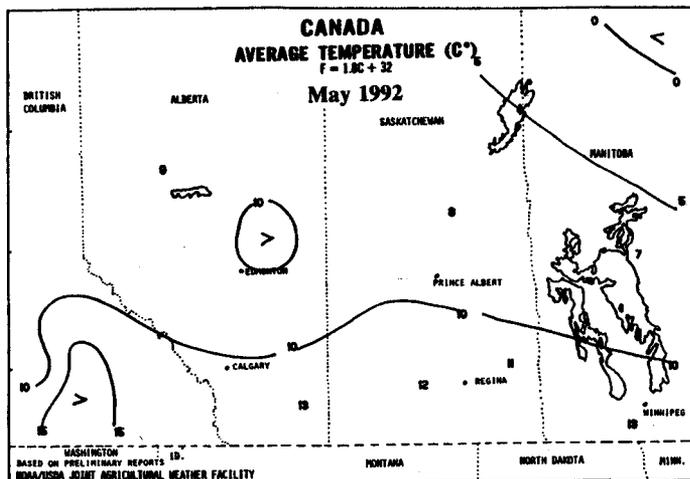
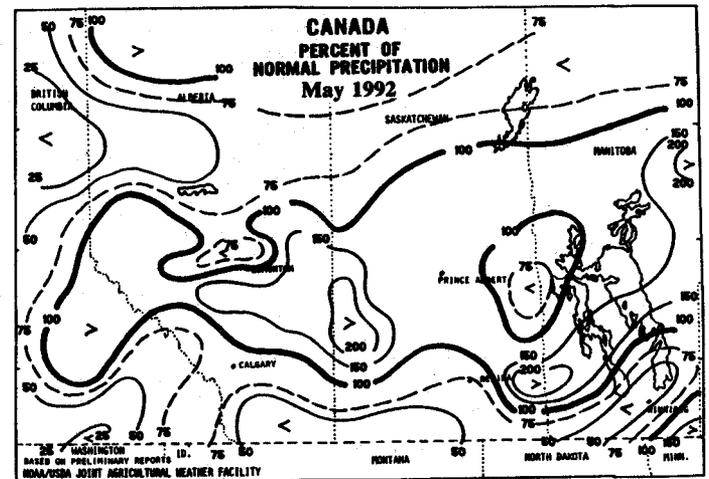
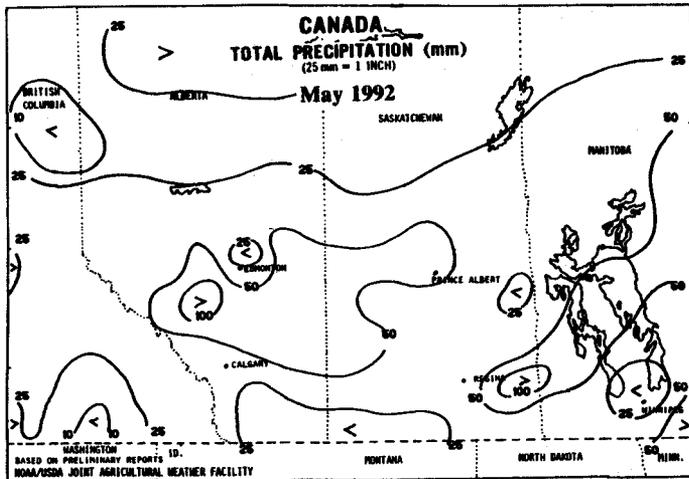


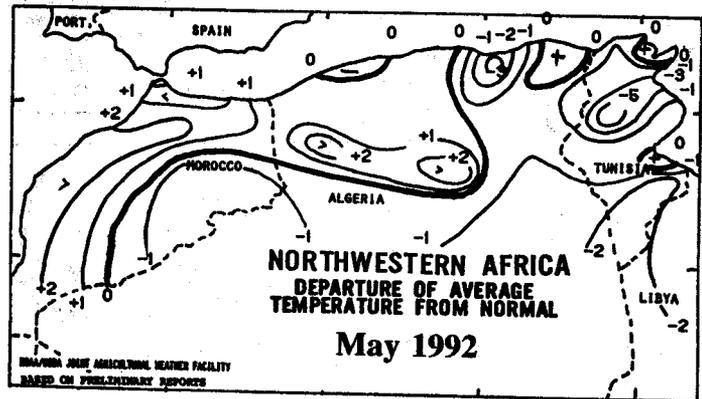
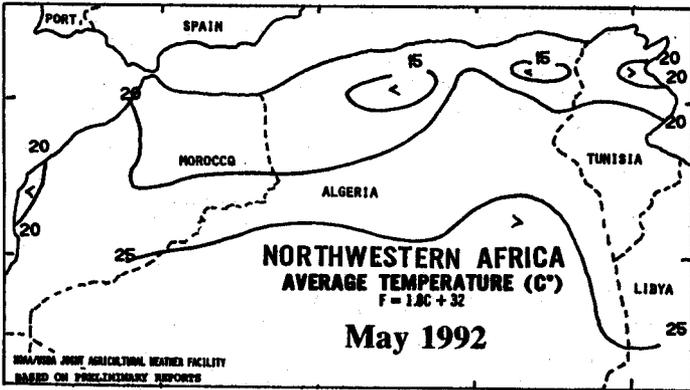
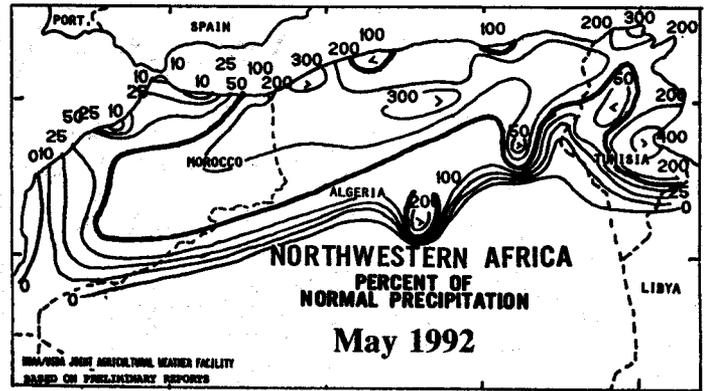
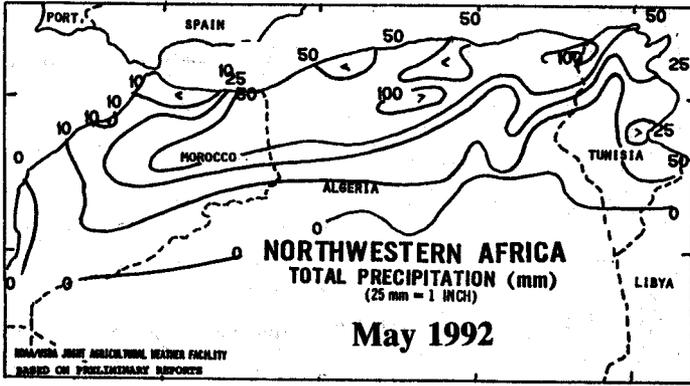
MEXICO: Moderate to heavy rain (25-128mm) fell across east-central Mexico, favoring sugarcane, coffee, and eastern corn. Light to moderate rain (4-17mm) covered the rest of the Southern Plateau corn belt, aiding vegetative corn. During May, the north-central and southern Plateau regions received above-normal to much-above-normal precipitation (200 to 500 percent of normal), increasing soil moisture supplies for summer crops. The northwest coast received sparse rainfall, favoring vegetable and winter wheat harvesting.

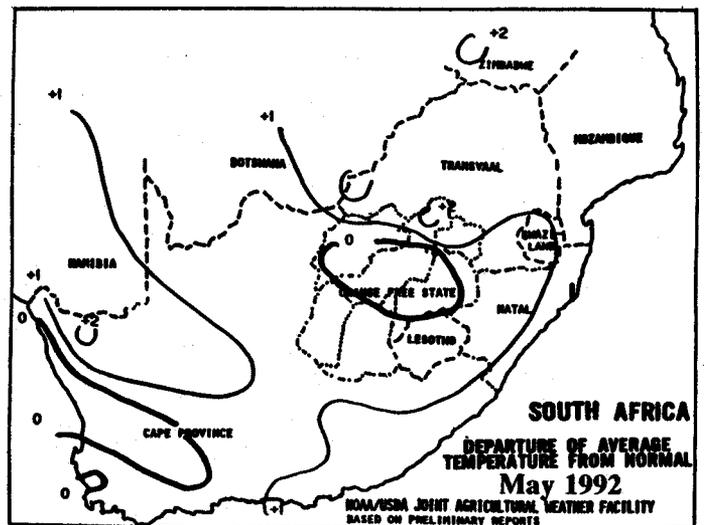
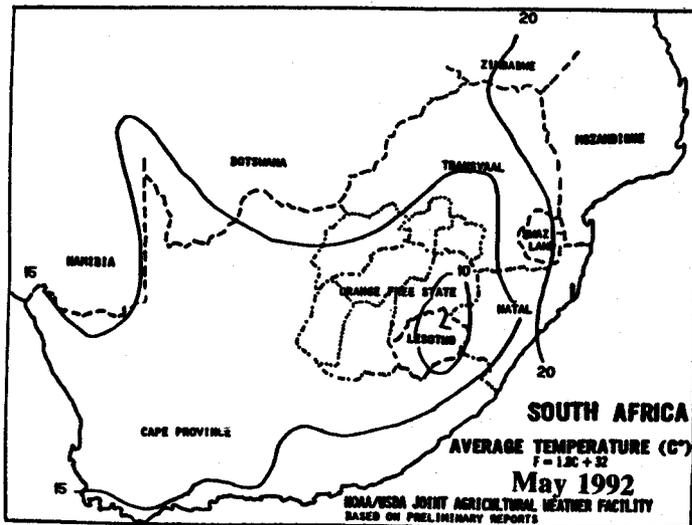
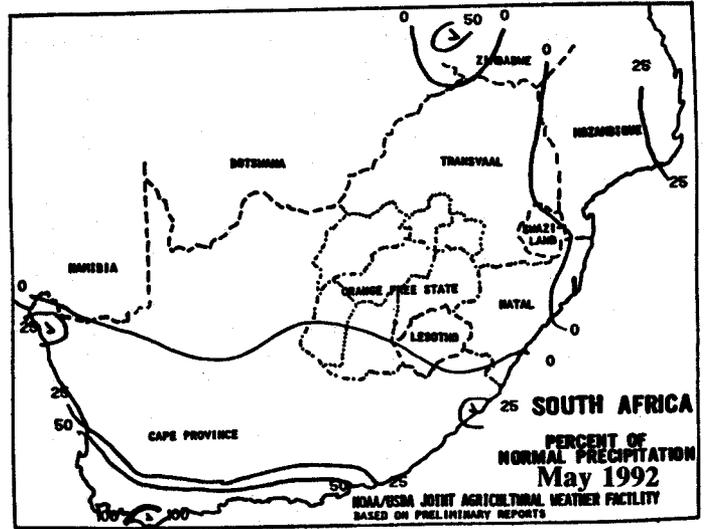
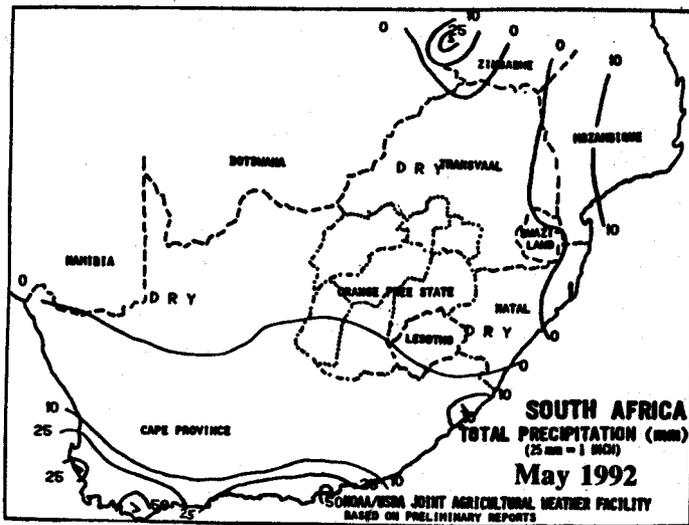




CANADA: Much needed rain (14-30 mm) fell over spring wheat areas of the southwestern Prairies, helping germination for newly planted crops. However, more soaking showers are needed to improve subsoil moisture for establishment, following drier-than-normal weather since last fall. Rainfall in northern and eastern Saskatchewan and Manitoba averaged less than 5 mm with most of southern Manitoba receiving no rain. The drying trend in Manitoba, initially beneficial for planting, has resulted in unfavorably dry conditions in southern crop areas. Temperatures averaged 2-4 degrees C above normal across the region. However, freezing temperatures, while still occurring within a normal time frame, caused some minor damage to emerged spring wheat and canola in the northeast. During May, temperatures averaged near to above normal across the southern Prairies and seasonal warming occurred, but outbreaks of frost were common. May rainfall was near to above normal, except in the southwest and portions of Manitoba. In Ontario, scattered showers (1-22 mm) and seasonable temperatures benefited winter wheat approaching the heading phase. More rain is needed following the recent drying trend.







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(Continued from front cover)

By late in the week, a major storm crashed into the **Northwest**, unleashing the first appreciable moisture on the area since late April. In advance of the system, temperatures soared in the **North Central States**. Thermometers registered 93°F in **Billings, MT**, and **Williston, ND**, to tie daily record highs. Behind the cold front, winds gusted to 67 mph in **Burley, ID**, and to 58 mph in **Cedar City, UT**. Daily record lows were smashed at several stations, including **Ely, NV** (22°F), and **Redding, CA** (45°F). However, the greatest benefit of the storm was its abundant moisture. Late-week rainfall topped 1 inch in numerous locations, such as **Brookings and Baker, OR**, **Colville, WA**, and **Kalispell and Glasgow, MT**.

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