

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

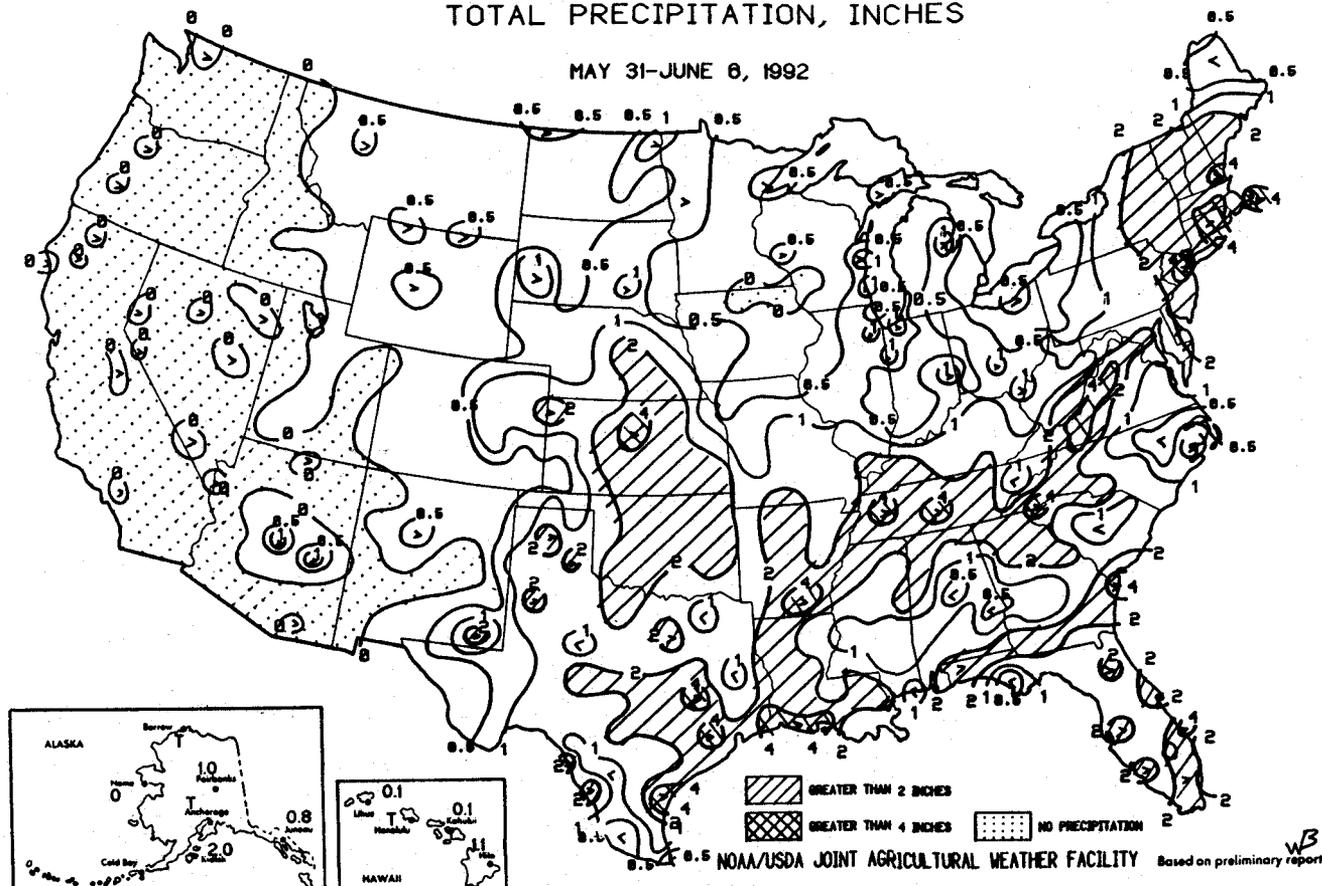
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June 9, 1992

TOTAL PRECIPITATION, INCHES

MAY 31-JUNE 6, 1992



HIGHLIGHTS

May 31 - June 6, 1992

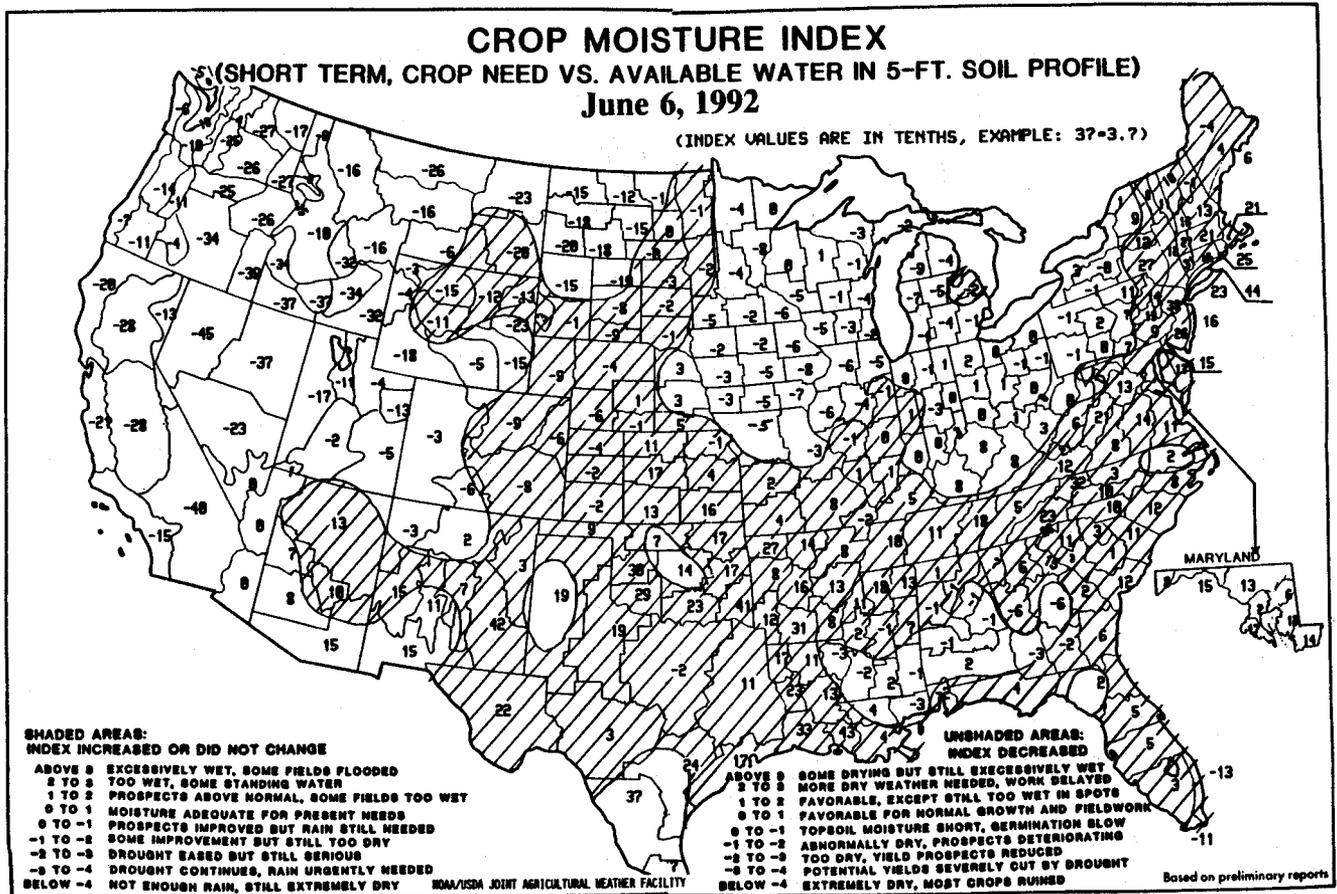
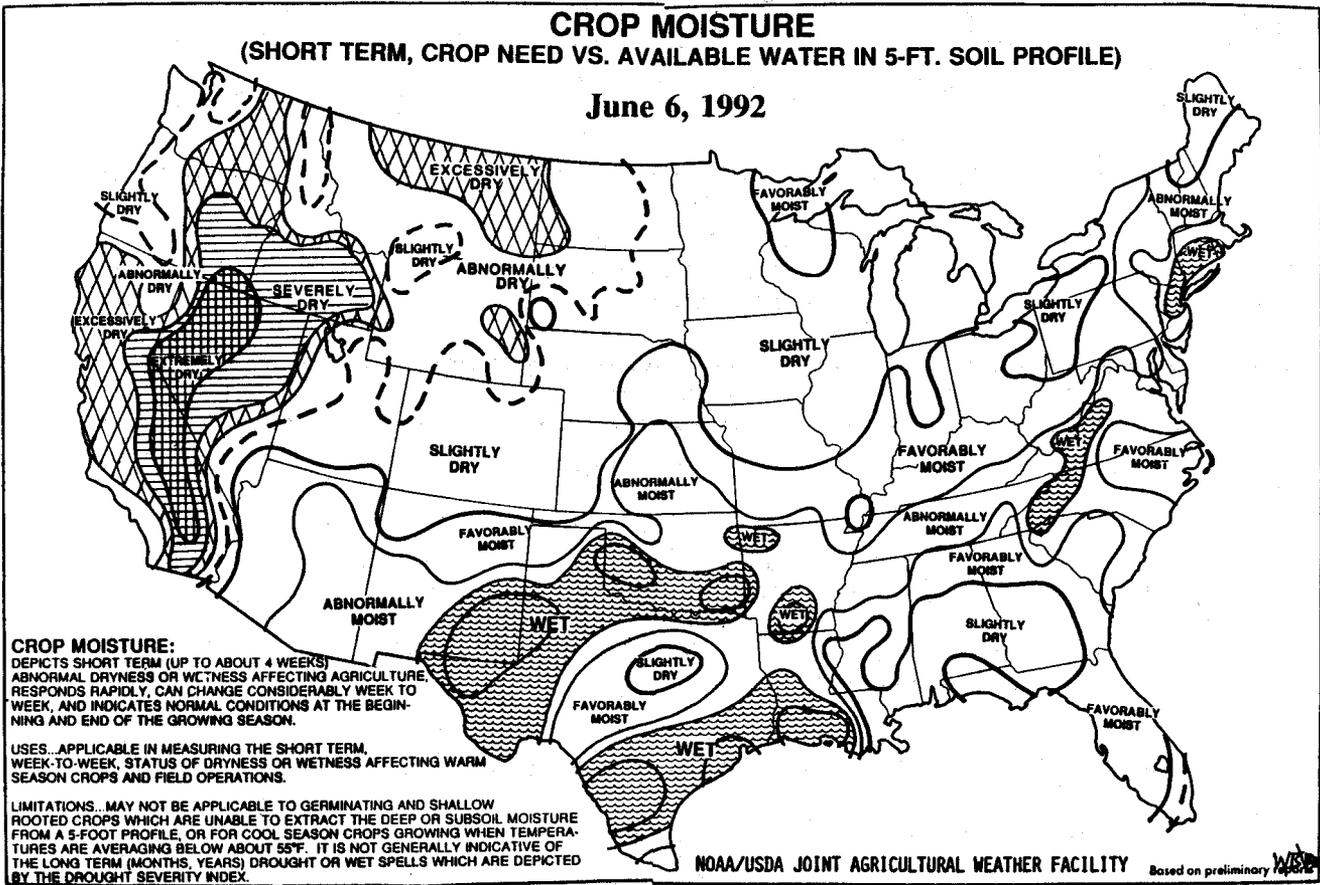
A fourth week of heavy rain caused additional flooding in the **southern Plains**, while beneficial rain dampened the **Southeast** and parts of the **Corn Belt**. Dry, hot weather persisted in the **Northwest**. Early in the week, significant rain fell from **Nebraska** southward to **Texas** and **Louisiana**, and in the **Northeast**. More than 2 inches fell in **Concordia, KS**, and **Boston, MA**, but up to 7 inches inundated **Corpus Christi, TX**, inducing flooding. Local flooding also occurred from **Killeen** and **Bryan, TX**, eastward to **Shreveport, LA**. By midweek, the heaviest rain shifted into the **Southeast**, easing incipient drought conditions. On Thursday, an approaching cold front drew moisture northward through the **Atlantic Coast States**. The **central Appalachians** netted up to 4 inches of rain, resulting in local flooding. Late in the week, heavy rain returned to **New England**, while strong thunderstorms re-developed from **Nebraska** to **Texas**. Rainfall reached 7.53 inches in **North Branford, CT**, and 1.61 inches in **Goodland, KS**. On Saturday, thunderstorms rumbled through the

Corn Belt, with rainfall topping 1 inch from northern **Indiana** to west-central **Illinois**. Farther west, **Havre, MT**, cooled to 29°F to set a daily record low. Elsewhere, thunderstorms dotted **Texas** and **Florida**, while the **West Coast States** remained warm and dry.

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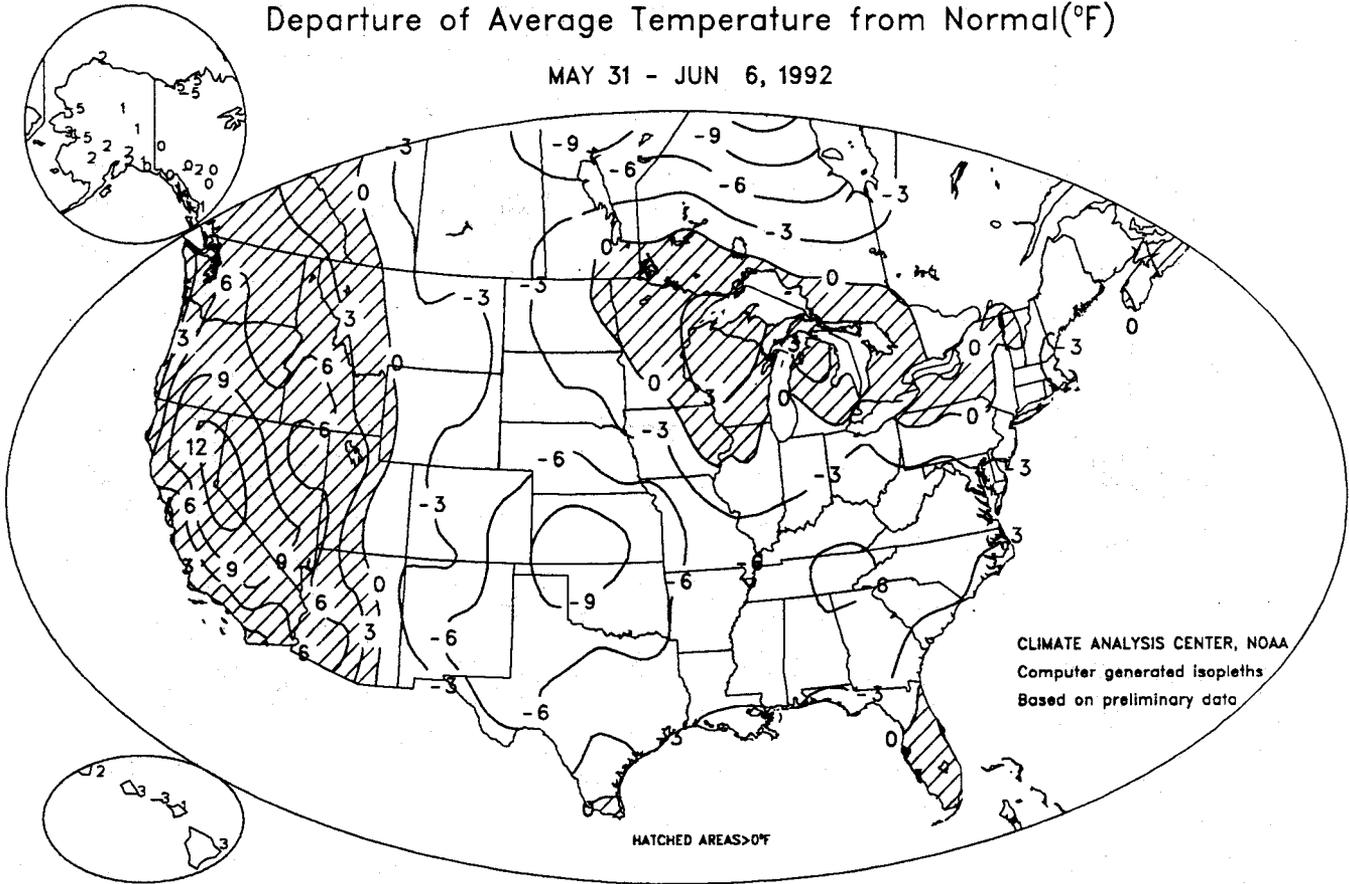
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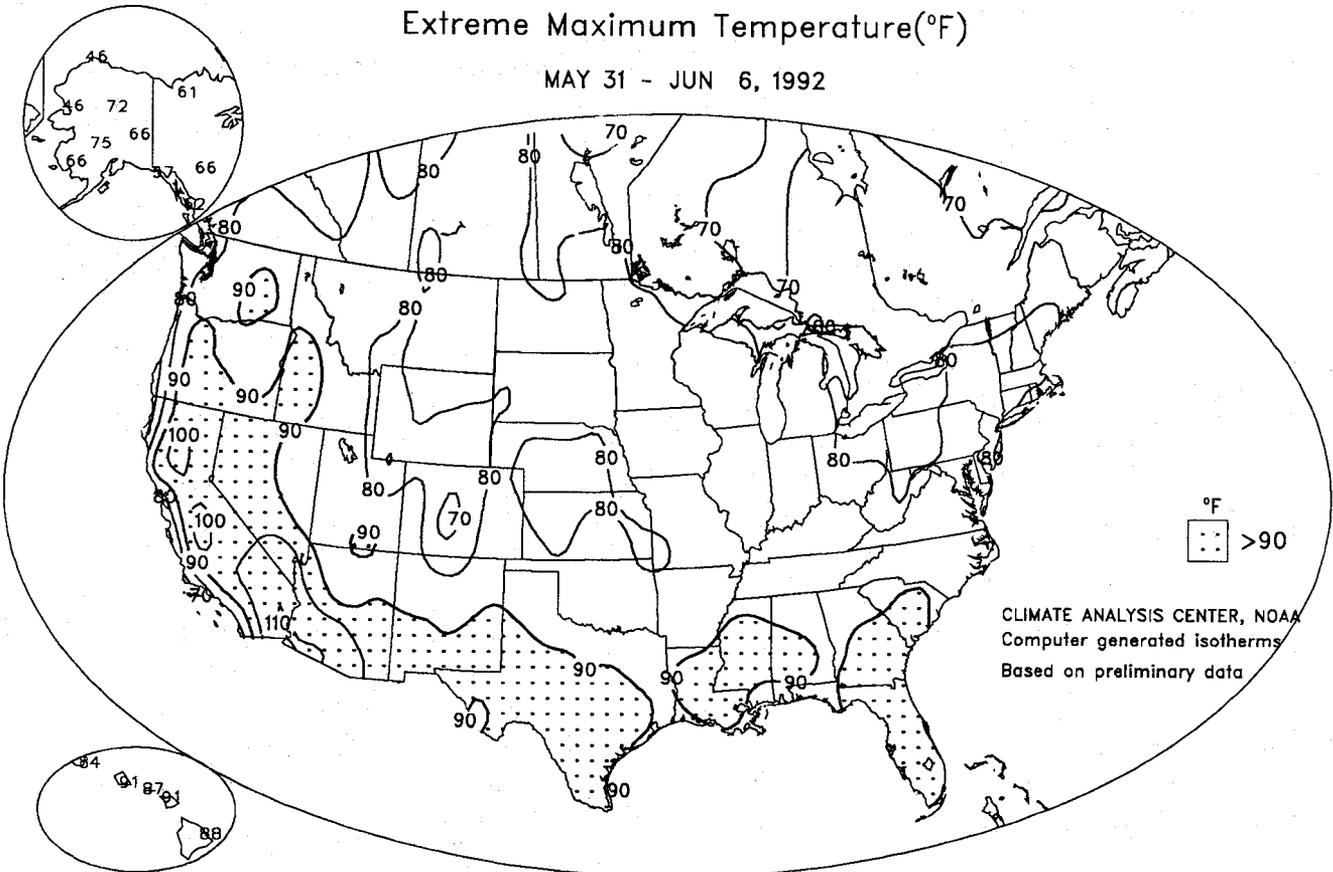
Departure of Average Temperature from Normal(°F)

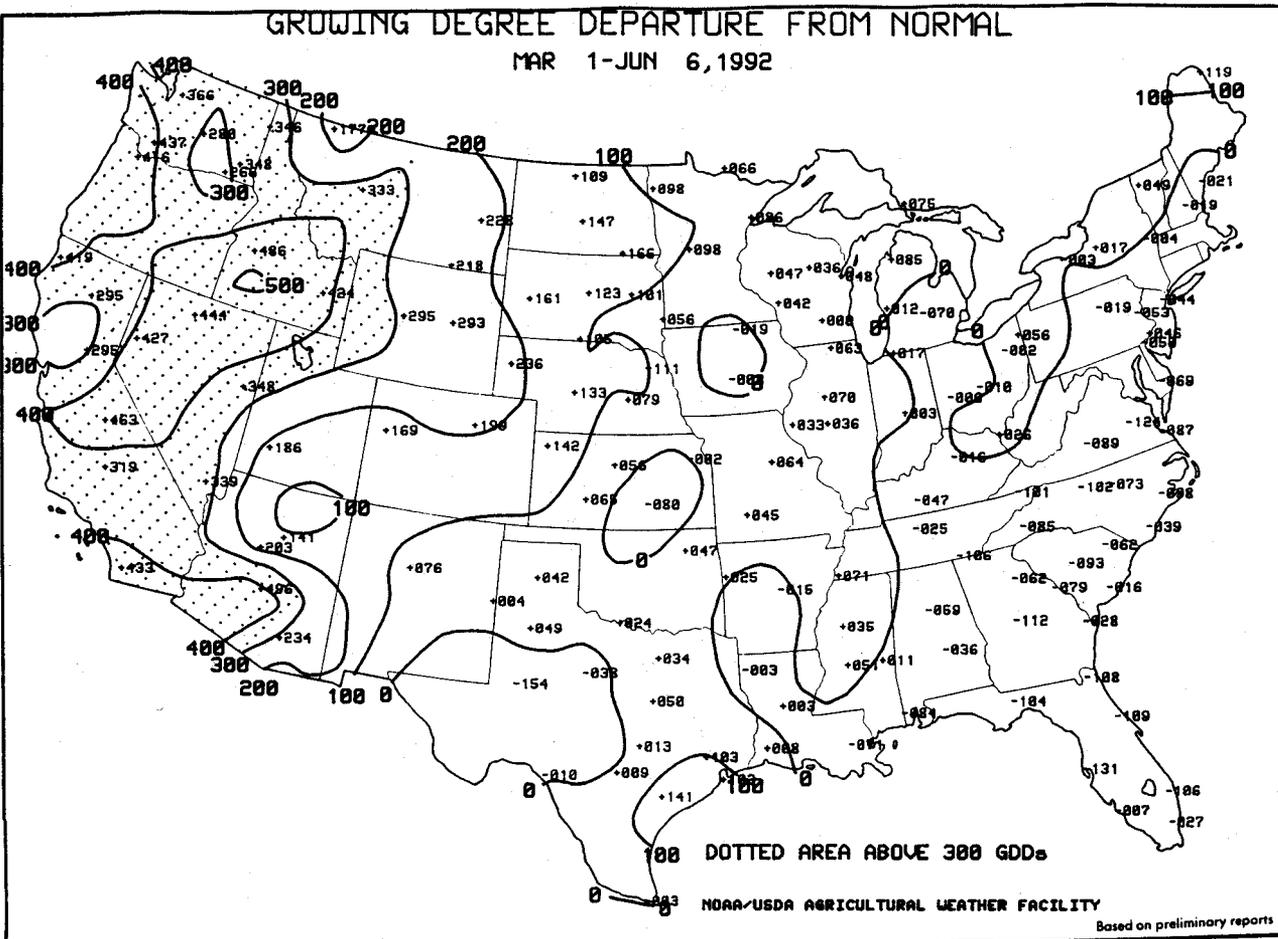
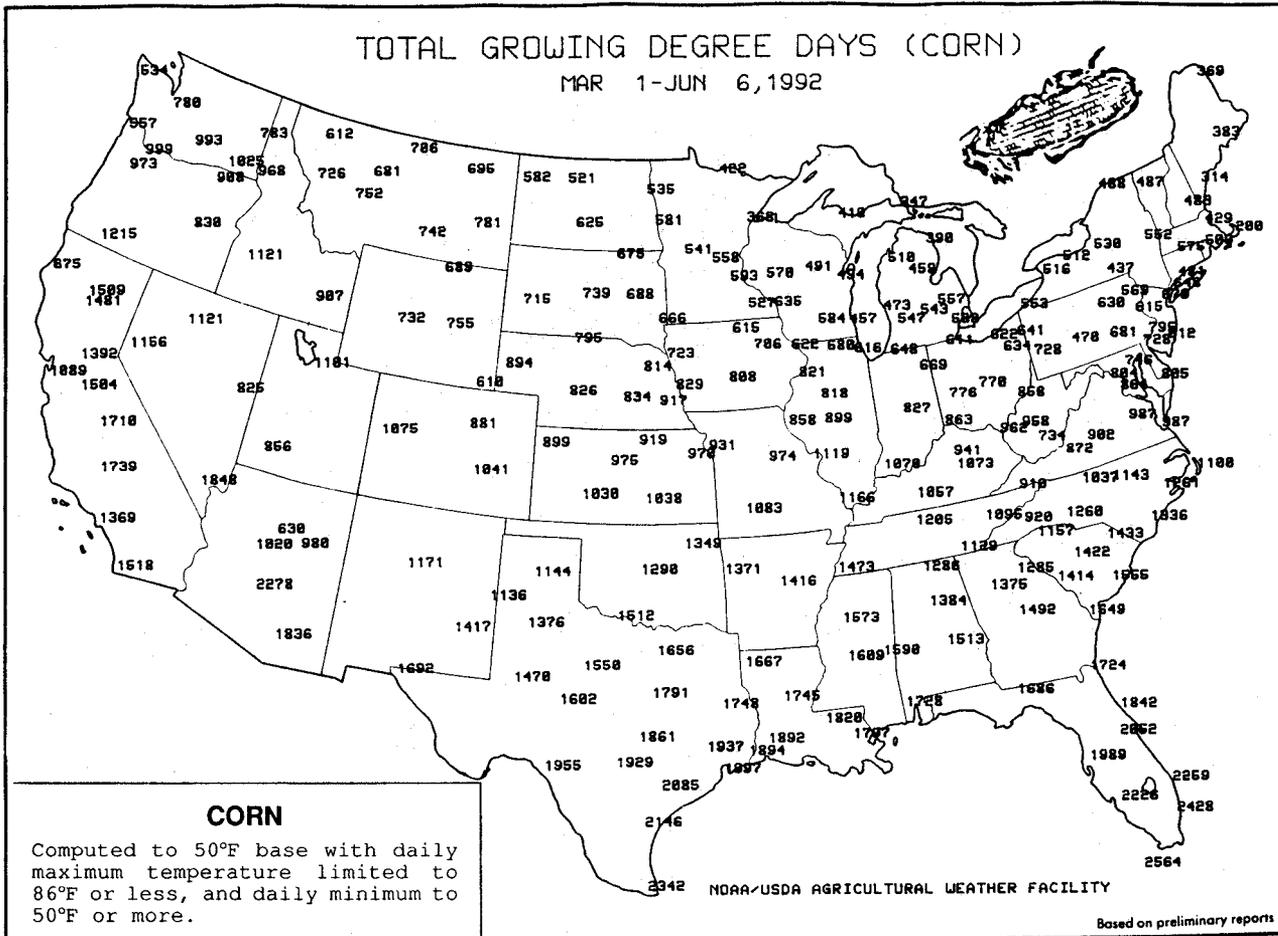
MAY 31 - JUN 6, 1992



Extreme Maximum Temperature(°F)

MAY 31 - JUN 6, 1992





National Weather Data for Selected Cities

Weather Data for the Week Ending June 6, 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	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	80	58	89	47	69	-5	.6	-2	.6	.6	86	15.5	58	93	43	0	0	0	0	1	1		
MOBILE	85	66	88	61	76	-3	2.0	.9	1.3	2.0	216	28.9	104	93	42	0	0	0	0	3	2		
MONTGOMERY	83	60	91	53	71	-6	1.4	.6	1.4	1.4	209	25.4	107	96	45	1	0	0	0	1	1		
AK ANCHORAGE	62	47	67	40	54	2	T	T	T	T	6	3.2	88	81	46	0	0	0	0	0	0		
BARRROW	36	27	46	24	32	3	T	T	T	T	0	.5	54	94	71	0	7	7	0	1	0		
FAIRBANKS	70	47	73	41	58	2	1.0	.8	.7	1.0	486	4.3	177	91	40	0	0	0	0	4	1		
JUNEAU	57	45	65	38	51	0	.8	.2	.6	.6	110	35.5	201	93	59	0	0	0	0	2	1		
KODIAK	53	42	63	38	48	0	2.0	.9	.9	2.0	215	28.4	115	95	72	0	0	0	0	1	1		
NOME	56	36	61	28	46	3	.0	-2	.0	.0	0	2.3	73	86	48	0	2	0	0	0	0		
AZ PHOENIX	104	78	107	76	91	8	T	T	T	T	200	6.6	266	38	13	0	7	0	0	1	0		
PRESCOTT	84	52	88	48	68	3	.1	.1	.0	.1	>1000	7.5	217	75	26	0	0	0	0	2	0		
TUCSON	99	66	102	61	82	2	.0	.0	.0	.0	0	6.5	254	48	14	7	7	0	0	0	0		
YUMA	106	76	110	73	91	7	.0	.0	.0	.0	0	3.2	354	--	--	7	7	0	0	0	0		
AR FORT SMITH	77	61	84	58	69	-6	1.7	.7	.8	1.7	204	16.3	90	97	56	0	0	0	0	5	2		
LITTLE ROCK	78	63	85	58	70	-6	2.8	1.9	1.5	2.8	341	20.0	83	85	58	0	0	0	0	5	2		
CA BAKERSFIELD	98	70	106	64	84	9	.0	.0	.0	.0	0	5.6	148	52	22	6	0	0	0	0	0		
EUREKA	62	51	64	48	56	2	.0	-2	.0	.0	0	13.8	63	89	58	0	0	0	0	0	0		
FRESNO	98	68	105	63	83	11	.0	.0	.0	.0	0	9.0	130	69	28	6	0	0	0	0	0		
LOS ANGELES	70	61	71	60	66	1	.0	.0	.0	.0	0	11.6	140	88	56	0	0	0	0	0	0		
REDDING	99	69	104	62	84	10	.0	-2	.0	.0	0	18.5	77	65	19	6	0	0	0	0	0		
SACRAMENTO	92	58	99	56	75	6	.0	.0	.0	.0	0	9.8	93	84	29	5	0	0	0	0	0		
SAN DIEGO	73	64	74	63	68	3	.0	.0	.0	.0	0	9.9	162	80	49	0	0	0	0	0	0		
SAN FRANCISCO	72	54	76	52	63	3	.0	.0	.0	.0	0	12.9	105	90	48	0	0	0	0	0	0		
CO DENVER	72	47	80	41	60	4	1.0	.6	.5	.5	154	7.0	100	85	32	0	0	0	0	4	0		
GRAND JUNCTION	81	52	89	48	67	-2	1.2	.3	.2	.2	120	4.4	127	68	22	0	0	0	0	2	0		
FUEBLO	73	48	83	42	60	-7	1.0	.7	.8	.9	409	3.3	84	91	33	0	0	0	0	5	1		
CT BRIDGEPORT	71	55	80	52	63	-1	4.5	3.8	2.8	3.1	533	15.5	86	93	53	0	0	0	0	3	2		
HARTFORD	73	52	85	48	63	-3	5.0	4.2	2.4	3.6	517	18.7	98	95	54	0	0	0	0	4	3		
DC WASHINGTON	76	60	83	58	68	-4	1.3	.5	.6	.6	95	15.1	95	93	50	0	0	0	0	3	2		
FL APALACHICOLA	85	69	89	62	77	-2	.9	.9	.9	.9	118	19.3	105	--	--	0	0	0	0	1	1		
DAYTONA BEACH	88	70	91	66	79	1	2.1	.8	2.0	2.1	181	14.5	94	97	56	2	0	0	0	4	1		
JACKSONVILLE	88	69	93	62	79	0	1.6	.3	1.1	1.6	145	25.4	138	95	52	2	0	0	0	3	1		
KEY WEST	88	78	89	75	83	0	1.7	.6	.8	.9	91	8.3	76	86	70	0	0	0	0	5	2		
MIAMI	88	75	90	73	82	2	1.4	.8	.9	1.4	73	10.3	58	92	61	3	0	0	0	4	1		
ORLANDO	89	71	93	68	80	0	2.2	.8	1.5	2.2	180	19.9	125	97	57	3	0	0	0	4	2		
TALLAHASSEE	88	64	93	58	76	-2	1.2	.1	1.2	1.2	104	23.7	92	98	44	4	0	0	2	1	1		
TAMPA	90	73	94	68	81	1	2.2	1.2	2.0	2.2	243	10.5	71	92	55	4	0	0	2	1	1		
WEST PALM BEACH	88	72	92	70	80	0	.9	.9	.5	.9	59	12.7	67	92	58	1	0	0	2	1	1		
GA ATLANTA	79	60	89	52	70	-4	2.4	1.6	1.4	2.4	368	16.5	86	97	42	1	0	0	2	1	1		
AUGUSTA	84	60	91	53	72	-3	1.2	.3	1.2	1.2	159	17.8	86	97	43	1	0	0	2	1	1		
MACON	84	63	91	56	73	-4	.8	.0	.8	.8	113	18.0	82	90	43	1	0	0	2	1	1		
SAVANNAH	85	67	92	64	76	-1	4.4	3.2	2.7	4.4	428	21.4	112	93	43	1	0	0	2	2	1		
HI HILO	86	69	88	68	78	3	1.1	.4	.6	1.1	85	17.2	29	89	54	0	0	0	0	5	1		
HONOLULU	89	74	92	71	82	4	T	T	T	T	15	3.7	29	77	46	4	0	0	0	0	0		
KAHULUI	89	67	91	63	78	2	.1	.1	.1	.1	280	6.4	57	85	55	2	0	0	0	2	1		
LIHUE	84	73	84	71	79	2	.1	.3	.1	.1	32	11.7	55	85	64	0	0	0	0	0	0		
ID BOISE	85	52	93	47	69	6	.0	.3	.0	.0	0	2.1	33	62	15	1	0	0	0	0	0		
LEWISTON	83	54	92	49	68	6	.0	.4	.0	.0	0	4.1	66	51	15	1	0	0	0	0	0		
POCATELLO	79	43	86	39	61	2	.0	.3	.0	.0	0	2.3	42	69	17	0	0	0	0	0	0		
IL CHICAGO	77	50	83	44	64	-2	.1	.8	.1	.1	14	7.6	56	92	34	0	0	0	0	3	0		
MOLINE	83	53	86	44	68	0	.1	.9	.1	.1	6	7.4	50	87	27	0	0	0	0	1	0		
PEORIA	82	56	84	47	69	0	.5	.4	.3	.5	61	8.1	56	84	31	0	0	0	0	3	0		
QUINCY	78	58	81	50	68	-2	.5	.5	.5	.5	59	10.7	71	70	37	0	0	0	0	2	1		
ROCKFORD	81	53	84	45	67	1	.7	.4	.5	.7	75	9.1	65	86	30	0	0	0	0	2	1		
SPRINGFIELD	81	57	83	48	69	-1	.7	.1	.4	.7	100	9.0	62	85	33	0	0	0	0	2	0		
IN EVANSVILLE	77	57	85	48	67	-4	.4	.5	.2	.4	50	11.8	60	96	43	0	0	0	0	3	0		
FORT WAYNE	77	54	83	46	65	-1	.5	.3	.4	.5	70	13.4	90	93	39	0	0	0	0	3	0		
INDIANAPOLIS	78	55	83	48	67	-2	.6	.3	.4	.6	74	11.5	68	96	39	0	0	0	0	3	0		
SOUTH BEND	76	52	83	46	64	-2	.5	.4	.2	.5	64	10.1	67	93	37	0	0	0	0	3	0		
IA DES MOINES	80	56	83	49	68	0	.5	.5	.5	.5	57	11.2	90	79	31	0	0	0	0	3	0		
SIOUX CITY	76	54	80	52	65	-3	.4	.6	.2	.3	42	9.9	100	90	38	0	0	0	0	4	0		
WATERLOO	82	53	86	46	67	1	T	T	T	T	2	10.2	81	75	25	0	0	0	0	1	0		
KS CONCORDIA	70	55	77	51	63	-8	3.5	2.5	1.5	2.7	305	12.4	117	98	61	0	0	0	0	5	3		
DODGE CITY	68	53	78	50	60	-11	2.3	1.6	1.1	2.0	328	7.4	91	99	52	0	0	0	0	6	1		
GOODLAND	70	50	78	46	60	-6	2.6	1.9	1.6	1.7	300	5.7	88	97	45	0	0	0	0	4	2		
TOPEKA	73	55	80	47	64	-7	.7	.5	.2	.6	56	12.9	104	97	51	0	0	0	0	5	0		
WICHITA	70	57	80	53	64	-9	2.2	1.3	1.1	2.1	261	11.7	108	98	66	0	0	0	0	4	2		
KY BOWLING GREEN	76	57	82	49	67	-5	1.2	.1	.7	1.2	131	18.3	78	97	55	0	0	0	0	2	1		
LEXINGTON	75	56	82	50	66	-4	1.3	.4	.7	1.3	159	18.3	88	95	43	0	0	0	0	3	1		
LOUISVILLE	78	58	86	50	68	-4	.7	.1	.3	.7	101	16.5	81	94	42	0	0	0	0	4	0		
LA ALEXANDRIA	84	66	91	60	75	-4	3.5	2.6	1.8	2.9	357	28.4	111	96	56	1	0	0	0	4	3		
BATON ROUGE	85	67	91	60	76	-3	1.9	1.3	.7	1.9	342	28.0	111	94	57	1	0	0	0	5	3		
LAKE CHARLES	84	69	90	64	76	-2	3.7	2.7	2.6	3.6	414	32.5	151	98	64	1	0	0	0	4	2		
NEW ORLEANS	87	68	91	62	77	-1	1.9	.9	1.3	1.9	216	30.9	122	97	52	2	0	0	0	3	2		

Based on 1951-80 normals.

Weather Data for the Week Ending June 6, 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	MAXIMUM	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
SHREVEPORT	83	63	90	59	73	-5	2.2	1.3	1.6	2.1	277	25.1	117	97	47		1	0	5	1		
ME CARIBOU	67	47	74	39	57	0	.4	-.3	.4	.4	64	13.1	101	83	39	0	0	0	0			
PORTLAND	66	48	82	45	57	0	3.4	2.7	2.4	3.3	548	19.1	100	92	58	0	0	5	2			
MD BALTIMORE	76	57	83	53	67	0	1.0	.2	.8	.8	114	13.9	80	97	54	0	0	3	1			
SALISBURY	76	57	84	49	67	0	2.1	1.3	1.7	1.7	246	15.9	88	98	65	0	0	2	1			
MA BOSTON	69	53	82	48	61	0	3.1	2.4	1.9	3.0	468	15.7	79	91	55	0	0	4	2			
CHATHAM	62	51	68	47	56	0	4.0	3.3	2.9	4.0	663	15.2	73	93	75	0	0	5	3			
MT ALPENA	74	46	84	37	60	1	.4	-.4	.4	.4	57	9.0	82	99	46	0	0	1	0			
DETROIT	76	56	81	50	66	1	.2	-.6	-.1	.2	23	12.5	98	88	39	0	0	3	0			
FLINT	77	53	81	44	65	0	.1	-.6	-.1	.1	16	10.8	93	94	49	0	0	2	0			
GRAND RAPIDS	77	51	82	46	64	0	.3	-.5	-.2	.3	40	11.8	89	98	48	0	0	3	0			
HOUGHTON LAKE	78	49	83	42	63	3	.7	-.7	-.7	.7	3	8.1	77	81	37	0	0	1	0			
LANSING	77	52	80	44	64	1	.1	-.3	-.6	.6	80	12.8	111	98	48	0	0	2	1			
MARQUETTE	74	47	81	37	60	4	.1	-.4	-.0	.1	9	10.5	69	85	48	0	0	2	0			
MUSKEGON	74	49	82	43	62	1	.2	-.4	-.1	.2	36	8.8	69	91	48	0	0	2	0			
SAULT ST. MARIE	74	47	82	37	60	2	.5	-.6	-.2	.2	28	9.6	81	92	45	0	0	1	0			
MN ALEXANDRIA	74	53	83	45	64	4	.5	-.4	-.3	.5	64	7.9	90	84	38	0	0	2	0			
DULUTH	71	46	80	44	59	3	.6	-.3	-.5	.6	81	8.4	84	87	38	0	0	2	0			
INT'L FALLS	72	48	81	36	60	3	.3	-.5	-.2	.3	38	6.7	90	88	40	0	0	2	0			
MINNEAPOLIS	80	54	85	50	67	2	.1	-.9	-.1	.1	10	6.0	64	82	30	0	0	1	0			
ROCHESTER	79	52	83	49	65	1	.1	-.8	-.1	.1	7	9.0	90	76	30	0	0	1	0			
MS GREENWOOD	83	63	91	57	73	1	1.9	1.1	.8	1.9	280	16.6	61	92	53	1	0	4	2			
JACKSON	85	61	92	54	73	3	.6	-.2	-.6	.6	91	13.5	52	97	41	1	0	1	1			
MERIDIAN	84	62	91	55	73	3	.8	-.0	-.7	.8	123	23.3	88	89	41	1	0	3	1			
MO CAPE GIRARDEAU	78	60	83	51	69	1	1.9	1.1	.7	1.9	255	15.3	73	91	52	0	0	3	2			
COLUMBIA	76	57	83	48	67	1	1.4	-.4	-.8	1.4	169	11.1	68	89	45	0	0	3	2			
KANSAS CITY	75	56	83	51	65	4	.4	-.7	-.2	.3	32	13.3	95	91	45	0	0	5	0			
SAINT LOUIS	79	62	84	57	70	2	.3	-.5	-.3	.3	44	10.7	71	81	39	0	0	1	0			
SPRINGFIELD	73	58	81	51	66	1	.6	-.5	-.3	.6	63	10.4	62	95	56	0	0	3	0			
MT BILLINGS	72	46	85	41	59	1	.1	-.4	-.1	.1	23	5.0	67	86	28	0	0	2	0			
GLASGOW	71	46	88	39	58	1	.1	-.5	-.1	.1	19	1.9	49	83	34	0	0	2	0			
GREAT FALLS	70	43	81	38	57	4	.4	-.3	-.4	.4	67	5.0	69	85	33	0	0	2	0			
HAVRE	71	42	87	29	57	4	.4	-.5	-.4	.4	9	1.3	26	85	30	0	1	1	0			
HELENA	74	45	82	40	59	3	.2	-.3	-.2	.2	49	2.4	47	77	23	0	0	1	0			
KALISPELL	73	42	80	34	58	2	.2	-.6	-.1	.2	0	5.1	75	81	30	0	0	0	0			
MILES CITY	75	48	88	42	61	1	.2	-.5	-.1	.2	5	4.2	69	79	35	0	0	3	0			
MISSOULA	75	42	85	36	59	2	.4	-.0	-.4	.4	110	4.6	75	80	22	0	0	1	0			
NE GRAND ISLAND	71	53	78	50	62	1	2.2	1.3	1.2	1.7	223	11.8	118	94	51	0	0	3	2			
LINCOLN	76	54	80	50	65	1	1.7	-.7	-.9	1.4	174	9.4	84	92	46	0	0	4	1			
NORFOLK	75	52	80	46	63	1	1.0	-.0	-.5	.9	97	8.2	85	91	33	0	0	3	1			
NORTH PLATTE	70	48	76	40	59	1	.8	-.1	-.7	.2	20	8.8	110	96	46	0	0	5	1			
OMAHA	76	58	82	56	67	1	.6	-.4	-.3	.5	53	11.8	100	80	39	0	0	3	0			
SCOTTSBLUFF	72	46	83	38	59	1	.6	-.1	-.5	.6	92	5.8	88	95	37	0	0	4	1			
VALENTINE	71	46	83	40	59	1	.8	-.1	-.5	.8	131	4.6	65	94	46	0	0	3	0			
NV ELY	80	39	85	35	59	4	.1	-.1	-.1	.1	67	3.3	74	60	15	0	0	2	0			
LAS VEGAS	100	73	105	65	87	7	.1	-.1	-.1	.1	>1000	6.7	391	41	14	7	0	1	0			
RENO	91	57	93	53	74	15	.0	-.2	-.0	.0	0	1.4	34	55	16	5	0	0	0			
WINNEMUCCA	90	50	94	41	70	10	.0	-.2	-.0	.0	0	1.4	35	47	12	5	0	0	0			
NH CONCORD	69	48	86	40	58	3	2.8	2.1	1.4	2.3	397	12.5	84	97	56	0	0	4	2			
NJ ATLANTIC CITY	72	54	79	47	63	3	3.5	2.9	2.6	2.9	565	12.9	73	98	57	0	0	5	2			
NM ALBUQUERQUE	83	52	89	48	67	1	.5	-.4	-.4	.5	686	3.9	180	73	22	0	0	4	0			
CLOVIS	79	54	93	47	66	1	1.3	-.7	-.7	.6	116	9.9	203	89	40	1	0	4	1			
ROSWELL	85	54	95	47	70	1	.1	-.1	-.1	.1	53	7.2	289	89	33	2	0	3	0			
NY ALBANY	73	53	84	46	63	1	2.8	2.0	1.4	1.4	206	12.5	86	99	47	0	0	4	2			
BINGHAMTON	70	54	78	49	62	1	3.3	2.5	2.4	.9	127	17.7	120	92	45	0	0	4	2			
BUFFALO	73	56	83	52	64	1	.4	-.2	-.3	.1	26	15.7	105	91	43	0	0	3	0			
NEW YORK	74	60	83	56	67	1	3.4	2.6	1.8	1.8	289	13.1	72	89	55	0	0	3	2			
ROCHESTER	74	54	82	48	64	0	.5	-.2	-.2	.3	46	13.4	103	96	47	0	0	3	0			
SYRACUSE	73	53	83	48	63	0	1.9	1.1	1.5	.4	58	18.1	116	93	46	0	0	4	1			
NC ASHEVILLE	72	54	83	49	63	1	2.0	1.1	1.3	2.0	266	22.4	114	93	55	0	0	2	2			
CHARLOTTE	79	59	87	54	69	1	2.1	1.3	2.1	2.1	297	20.8	104	90	46	0	0	2	1			
GREENSBORO	77	57	85	48	67	1	1.0	-.1	-.9	1.0	132	18.5	102	93	51	0	0	3	1			
HATTERAS	77	64	84	57	71	1	.2	-.8	-.1	.2	18	21.4	102	95	56	0	0	3	0			
NEW BERN	81	63	88	57	72	1	1.6	-.5	1.0	1.4	145	18.6	92	93	53	0	0	3	1			
RALEIGH	79	59	86	52	69	1	.3	-.6	-.3	.3	37	13.8	76	96	39	0	0	1	0			
WILMINGTON	82	63	89	57	72	1	1.1	-.1	1.1	1.1	106	26.6	137	94	54	0	0	3	1			
ND BISMARCK	73	45	81	37	59	2	.3	-.4	-.2	.2	38	2.9	48	85	36	0	0	2	0			
FARGO	74	51	84	43	63	0	.5	-.2	-.4	.5	88	6.2	96	82	42	0	0	4	0			
GRAND FORKS	73	52	83	47	63	2	.5	-.1	-.4	.5	93	6.6	110	83	41	0	0	2	0			
WILLISTON	66	46	82	38	56	1	.5	-.1	-.4	.1	17	5.0	96	89	44	0	0	2	0			
OH AKRON-CANTON	73	55	79	48	64	1	.1	-.7	-.1	.1	11	14.6	94	94	53	0	0	1	0			
CINCINNATI	75	54	82	45	65	1	.4	-.5	-.3	.4	51	14.1	78	98	47	0	0	3	0			
CLEVELAND	74	55	78	49	64	1	.9	-.1	-.8	.9	129	16.7	111	93	45	0	0	3	1			
COLUMBUS	74	54	82	46	64	1	.4	-.5	-.3	.4	53	12.7	79	96	45	0	0	2	0			

Based on 1951-80 normals.

Weather Data for the Week Ending June 6, 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	TEMP. °F		PRECIP.		
													90 AND ABOVE		32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE		
DAYTON	75	55	83	49	65	-3	.8	-1.1	.6	.8	100	16.4	104	99	58	0	0	4	1
TOLEDO	76	54	82	47	65	-1	.3	-1.5	.2	.3	40	13.3	102	94	46	0	0	2	0
YOUNGSTOWN	74	53	80	45	63	0	.3	-1.4	.3	.3	50	13.7	88	98	52	0	0	2	0
OK OKLAHOMA CITY	74	60	81	54	67	-7	2.2	1.2	.7	1.7	196	13.8	101	96	54	0	0	5	2
TULSA	75	60	81	56	68	-7	2.4	1.3	1.3	2.2	222	15.8	95	99	57	0	0	4	2
OR ASTORIA	65	50	75	43	57	2	T	-1.7	T	T	0	24.2	71	90	50	0	0	0	0
BURNS	83	44	87	38	63	7	.0	-1.2	.0	.0	0	2.4	46	53	13	0	0	0	0
MEDFORD	90	51	97	47	71	9	.0	-1.2	.0	.0	0	4.3	44	79	23	3	0	0	0
PENDLETON	83	52	89	47	68	5	.0	-1.2	.0	.0	0	3.0	49	56	15	0	0	0	0
PORTLAND	81	52	90	49	67	7	.0	-1.4	.0	.0	0	14.2	77	87	35	1	0	0	0
SALEM	82	45	91	38	64	5	.0	-1.4	.0	.0	0	14.5	71	90	25	1	0	0	0
PA ALLENTOWN	74	57	81	51	66	-1	2.5	1.7	1.5	1.5	226	13.8	75	96	51	0	0	3	2
ERIE	71	56	81	50	64	2	.2	-1.7	.1	.1	16	12.6	85	90	59	0	0	2	0
HARRISBURG	75	59	81	52	67	-1	1.2	.4	.6	1.2	165	13.0	77	84	44	0	0	2	2
PHILADELPHIA	77	60	85	57	68	0	2.3	1.4	1.2	1.2	166	10.6	61	90	47	0	0	3	2
PITTSBURGH	74	54	80	49	64	-2	.3	-1.5	.3	.1	12	12.1	74	94	45	0	0	2	0
SCRANTON	73	56	80	49	64	0	2.3	1.5	1.9	.4	57	11.5	83	94	45	0	0	4	1
RI PROVIDENCE	73	53	83	48	63	-1	3.7	3.0	1.7	3.1	540	17.8	89	94	55	0	0	4	4
SC CHARLESTON	84	67	90	63	75	-1	1.3	.0	.9	1.3	113	20.0	103	91	43	1	0	2	1
COLUMBIA	84	61	92	52	72	-3	.7	-1.3	.4	.7	78	16.4	75	97	36	1	0	2	0
FLORENCE	82	61	91	54	72	-4	.9	.0	.9	.9	112	13.4	73	94	51	1	0	3	1
GREENVILLE	78	57	86	53	67	-6	1.8	.8	1.0	1.8	211	25.7	108	93	41	0	0	2	2
SD ABERDEEN	74	49	84	44	61	-2	.7	-1.1	.4	.7	106	3.5	48	89	39	0	0	2	0
HURON	74	48	82	41	61	-3	.5	-1.3	.4	.5	76	5.7	73	91	39	0	0	2	0
RAPID CITY	69	45	79	40	57	-4	1.3	.5	.7	.6	86	6.1	84	96	47	0	0	4	1
STOUK FALLS	76	53	82	46	64	-1	.3	-1.6	.1	.3	34	9.0	95	86	36	0	0	3	0
TN CHATTANOOGA	76	56	85	48	66	-7	2.6	1.9	1.4	2.6	408	20.5	80	99	47	0	0	2	2
KNOXVILLE	76	56	85	48	66	-6	.7	-1.2	.5	.7	93	17.2	76	99	46	0	0	3	0
MEMPHIS	82	64	87	56	73	-3	2.5	1.6	1.7	2.5	322	18.6	72	93	46	0	0	4	2
NASHVILLE	77	57	85	48	67	-6	2.4	1.5	1.5	2.4	316	16.4	68	95	44	0	0	2	2
TX ABILENE	83	61	92	56	72	-6	.6	-1.1	.5	.6	104	12.4	133	91	38	1	0	4	0
AMARILLO	76	53	81	49	64	-8	3.1	2.2	2.4	2.8	393	9.4	144	95	40	0	0	3	1
AUSTIN	86	67	91	63	76	-3	3.1	2.3	1.7	2.6	367	30.4	220	93	47	2	0	4	3
BEAUMONT	84	68	89	66	76	-3	5.9	4.8	3.4	5.8	618	34.3	159	99	66	0	0	4	3
BROWNSVILLE	90	76	92	72	83	1	T	-1.6	T	T	5	15.3	202	95	60	4	0	1	0
CORPUS CHRISTI	86	72	90	65	79	-2	4.7	3.8	4.0	.7	89	25.6	255	97	66	1	0	3	1
DEL RIO	89	67	97	63	78	-4	1.0	.6	.7	1.0	280	14.7	233	78	42	4	0	3	1
EL PASO	90	62	96	55	76	-2	1.1	.1	.1	.1	240	6.4	410	61	20	3	0	1	0
FORT WORTH	82	64	87	60	73	-6	1.3	.6	.5	1.1	184	19.4	129	94	44	0	0	5	1
GALVESTON	84	72	87	69	78	-2	2.6	1.8	1.6	2.4	349	31.4	221	95	68	0	0	4	2
HOUSTON	85	68	92	64	76	-3	1.8	.7	1.0	1.7	182	32.5	171	95	53	2	0	4	2
LUBBOCK	81	57	91	52	69	-6	1.9	1.3	1.8	1.9	335	13.1	216	96	37	1	0	4	1
MIDLAND	85	59	93	53	72	-6	.7	-1.3	.3	.5	145	13.8	297	95	35	2	0	4	0
SAN ANGELO	87	61	94	55	74	-5	2.1	1.6	1.1	2.1	480	11.3	162	93	37	3	0	2	2
SAN ANTONIO	88	68	93	61	78	-2	1.8	1.0	1.7	1.8	259	31.1	263	95	47	5	0	4	1
VICTORIA	88	71	93	68	80	0	1.7	.5	.8	1.0	103	36.4	266	95	61	4	0	3	2
WACO	87	64	93	59	75	-4	1.2	.4	.6	.6	92	22.6	151	97	41	2	0	3	1
WICHITA FALLS	82	62	88	58	72	-6	2.0	1.2	1.2	2.0	290	10.8	92	94	41	0	0	5	1
UT CEDAR CITY	83	50	88	45	66	3	.2	-.1	-.2	.2	233	5.1	115	73	20	0	0	2	0
SALT LAKE CITY	82	53	89	46	67	3	T	-1.3	T	T	0	6.0	72	59	19	0	0	4	0
VT BURLINGTON	72	53	80	49	62	0	2.5	1.7	1.2	1.3	186	11.6	95	96	44	0	0	4	2
VA NORFOLK	78	60	86	53	69	-3	1.1	-.3	.7	.9	132	14.8	82	95	47	0	0	3	1
RICHMOND	78	57	88	53	67	-4	.7	-1.1	.3	.4	62	18.0	106	98	44	0	0	2	0
ROANOKE	74	56	84	50	65	-5	4.1	3.3	3.5	4.1	596	23.8	140	94	52	0	0	3	2
WA QUILLAYUTE	64	48	73	43	56	3	T	-1.8	T	T	0	48.2	93	96	50	0	0	0	0
SEATTLE-TACOMA	76	51	84	48	64	5	.0	-1.4	.0	.0	0	16.9	93	85	34	0	0	0	0
SPOKANE	80	48	88	42	64	5	T	-1.3	T	T	0	5.3	65	61	18	0	0	0	0
YAKIMA	84	51	90	40	67	6	.0	-1.1	.0	.0	0	2.1	54	63	21	1	0	0	0
WV BECKLEY	70	54	80	43	62	-2	2.1	1.3	1.2	2.1	284	18.2	99	95	55	0	0	4	2
CHARLESTON	74	56	83	49	65	-3	.6	-1.1	.4	.5	90	17.6	95	96	44	0	0	3	0
HUNTINGTON	74	56	84	50	65	-4	1.2	-.4	1.0	1.2	177	16.8	92	96	47	0	0	3	1
PARKERSBURG	75	55	82	47	65	-3	.6	-1.2	.4	.6	86	13.6	82	98	56	0	0	2	0
WI GREEN BAY	79	50	83	44	65	3	T	-1.7	T	T	3	8.3	79	91	35	0	0	1	0
LACROSSE	82	54	86	48	68	2	T	-1.0	T	T	0	10.1	90	87	27	0	0	0	0
MADISON	80	48	84	43	64	0	T	-1.8	T	T	4	8.4	73	90	33	0	0	1	0
MILWAUKEE	71	53	78	50	62	1	1.2	-.4	-.8	1.2	179	9.4	77	81	44	0	0	2	1
WAUSAU	78	53	83	47	65	4	T	-1.9	T	T	1	10.8	96	91	37	0	0	1	0
WY CASPER	70	43	80	39	57	-2	.4	-.0	-.3	.1	17	4.0	67	86	31	0	0	2	0
CHEYENNE	67	42	77	38	55	-4	.1	-.4	-.0	.1	14	4.5	76	89	33	0	0	3	0
LANDER	71	45	81	40	58	0	.7	-.2	-.5	.2	42	6.2	83	85	27	0	0	2	1
SBERIDAN	69	43	83	38	56	-2	.6	.0	.4	.4	86	5.0	66	93	38	0	0	3	0

Based on 1951-80 normals.

May Weather and Crop Summary

Weather

Troublesome dryness developed or persisted in several key agricultural areas, and wetness returned to Texas in mid-May after several favorably dry weeks. May rainfall was less than 50 percent of normal in the Northwest, the northern and west-central Plains, the western and central Corn Belt, and the Southeast. Above-normal rainfall was confined to the Southwest, the southern Plains, and parts of the Northeastern and Middle Atlantic States.

Although May's overall weather pattern was persistent, with warmth (a ridge) in the Northwest and coolness (a trough) in the Southeast, day-to-day weather was quite variable. The month was marked by three important cold outbreaks and two mini-heatwaves. On the 5th and the 6th, sub-freezing cold dipped into northern Iowa and northern Illinois. Frost was noted as far south as Fayetteville, AR, which recorded 33°F. By the 8th, even Tallahassee, FL, slid to a low of 38°F, while all-time May record lows were tied or set in Jacksonville (45°F), Tampa (49°F), and West Palm Beach (51°F). Meanwhile, a 3-day heatwave pushed temperatures into the 90's in the northern Plains between the 6th and the 8th. On the 20th and 21st, widespread freezing temperatures covered the coastal lowlands of New Jersey and neighboring States. Atlantic City, NJ, reported minima of 32°F and 28°F. Farther west, 90°F heat reappeared in the northern Plains on the 18th and spread to New England by the 22nd. Pierre, SD, topped out at 102°F on the 19th, and Bangor, ME, attained 96°F on the 22nd. The most serious cold outbreak of the month struck the Great Lakes States on the 25th and the west-central Plains on the 26th. A 32°F reading in Chicago, IL, was the latest freeze on record by 11 days (previously May 14, in 1895). Grand Rapids, MI, noted 31°F, and Goodland, KS, shivered at 27°F.

The West had few days of below-normal temperatures during May. The consistent warmth pushed monthly average temperatures to 10°F above normal in parts of California, Oregon, and Nevada. It was the warmest May on record in numerous locations, including Reno, NV (10.3°F above normal), Medford, OR (+8.8°F), and Sacramento, CA (+7.5°F). Concomitant dryness resulted in continued stress on crops and water supplies. Eugene, OR, tied a record for its warmest May, and also had its driest May ever (0.14 inches of rain). Dryness also plagued a broad area from the northern Plains to Florida. Moline and Chicago, IL, both received less than a third of an inch of rain to set driest-May records. In contrast, thunderstorms peppered the Southwest throughout the month, and Texas after mid-month. Rainfall records fell in several locations, including Flagstaff, AZ (4.14 inches, five times normal), and Midland, TX (7.63 inches). More than 1 foot of rain drenched Victoria, TX. But farther east, it was the driest May on record in New Orleans, LA (0.95 inches), and Miami Beach, FL (0.15 inches).

Perhaps the oddest weather event of the month took place between the 5th and the 8th, when snow buried the southern Appalachians. Mt. Pisgah, NC, at 5,749 feet, collected 60 inches. Snowflakes were observed in northern Georgia in May for the first time in 94 years, and in Greenville, SC, in May for the first time on record.

Fieldwork

Dry weather across much of the Nation during early May allowed spring planting to progress rapidly. High temperatures in the Western States promoted rapid crop development, while cooler temperatures in the East slowed seed germination and crop growth. Persistent dry weather through most of the month dried soils and began to stress crops in the Northwest, Rocky Mountains, Great Plains, middle Mississippi Valley, and Southeast. Parts of Arizona, Texas, and southern New Mexico, however, experienced hail and flood damage to some crops, and prolonged rainfall and thunderstorm activity were common. Sharply colder weather from Canada delved into the northern Great Plains toward the end of the month and temperatures averaged below normal in all regions except the West. Below-freezing temperatures were recorded in the northern Great Plains and upper Great Lakes at the end of the month, which may have stunted some early-developing crops.

Winter wheat condition for the 19 major producing States rated mostly good to fair entering May, with heading nearly complete in California and Georgia, and advancing in the southern Great Plains. Much of the acreage in the Midwest, however, was in very poor to poor condition resulting from winterkill. Winter wheat condition declined over the course of the month, as lack of soil moisture diminished crop prospects in the Northwest, Rocky Mountains, and Great Plains. Heading of the winter wheat crop progressed ahead of normal, with 85 percent (%) of the acreage in the 19 major States showing grain heads by May 31. Heading was complete in the central Great Plains and beginning in the northern Rocky Mountains. Army worm infestations were a problem in south-central and southwestern Missouri and north-central and northwestern Arkansas.

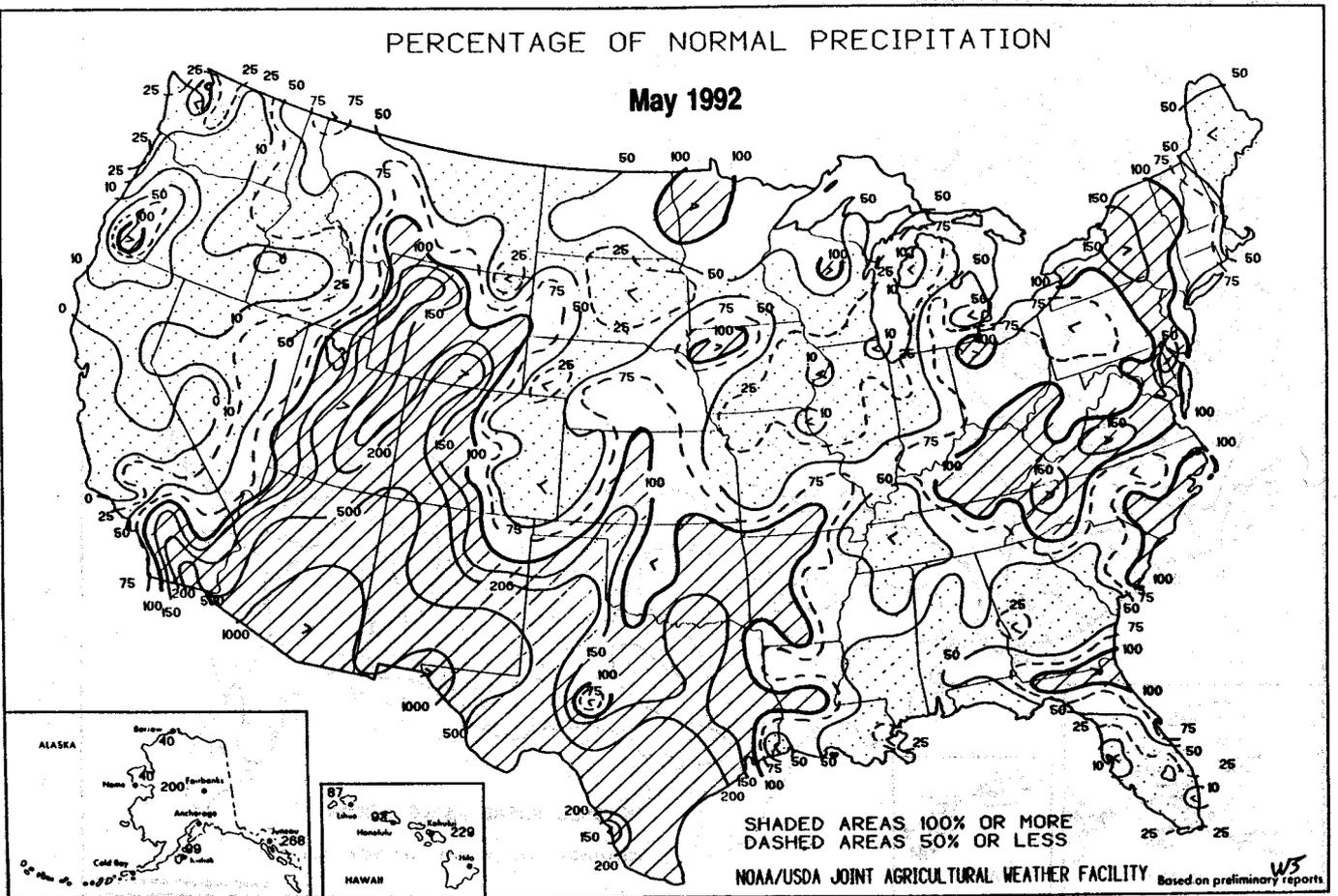
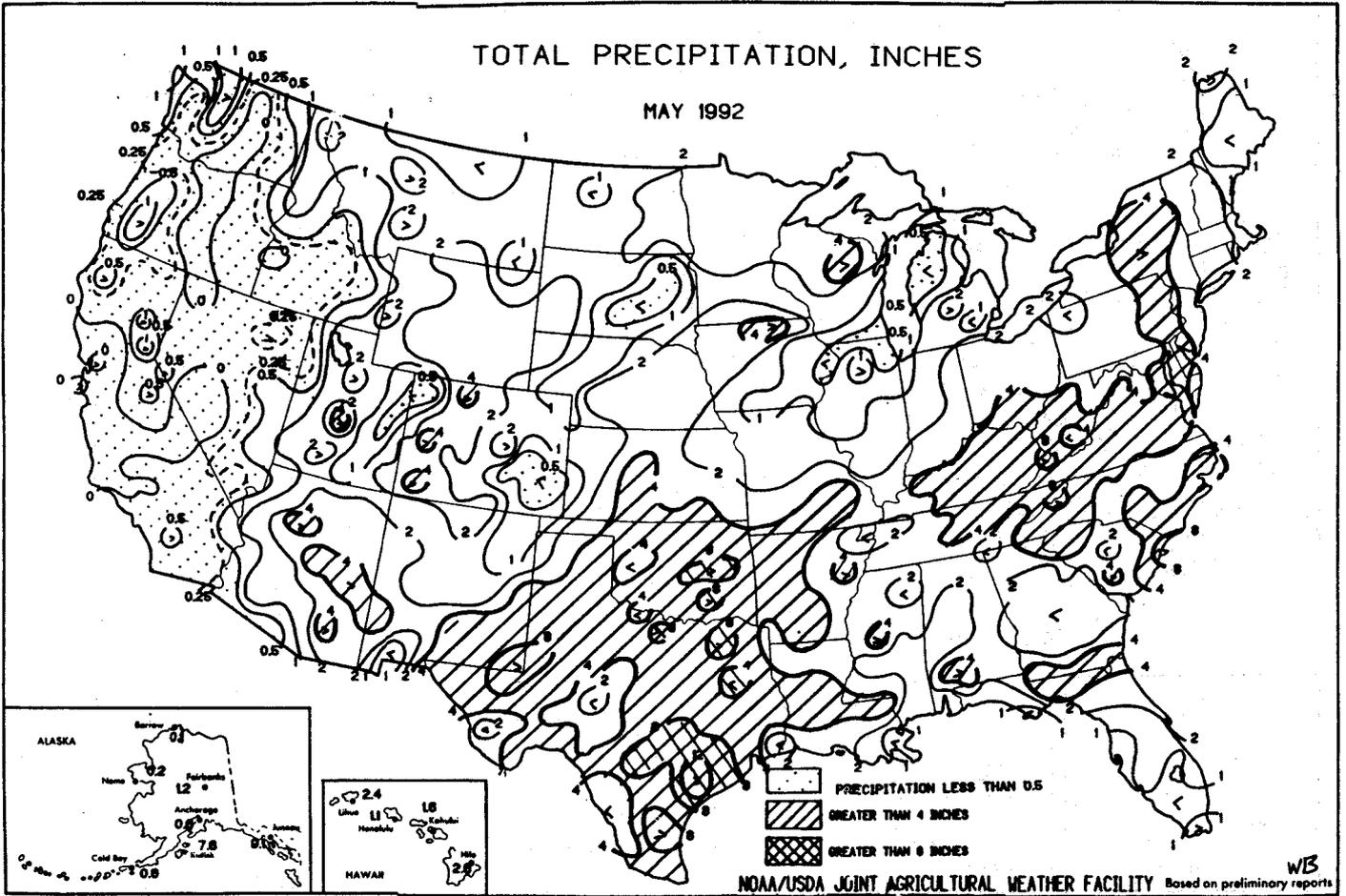
Spring wheat seeding in the five major producing States was in full swing entering May, and was completed by the end of the month. Condition ratings for spring wheat were mostly good to fair, but drying soils were resulting in lower ratings toward the end of the month.

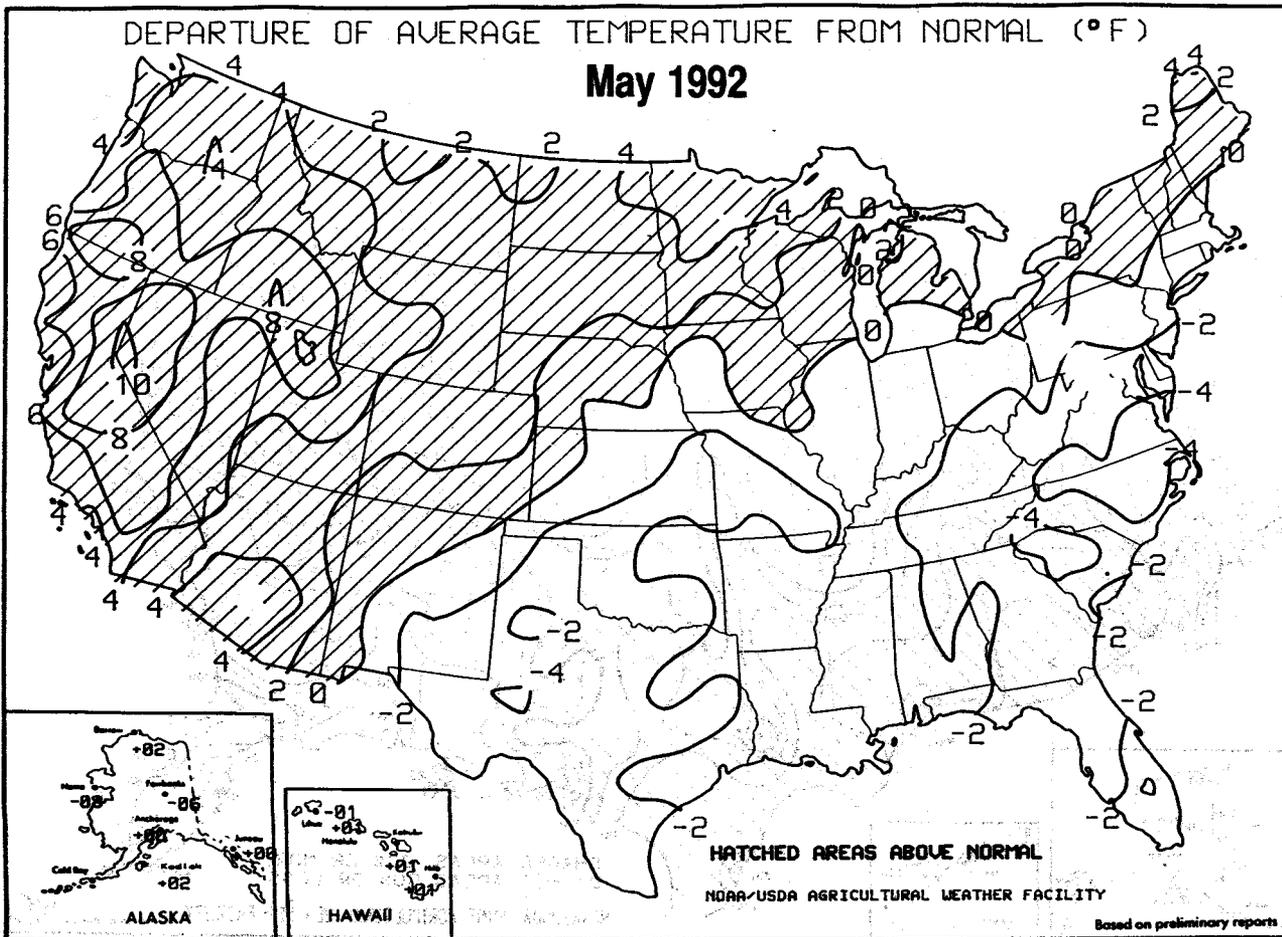
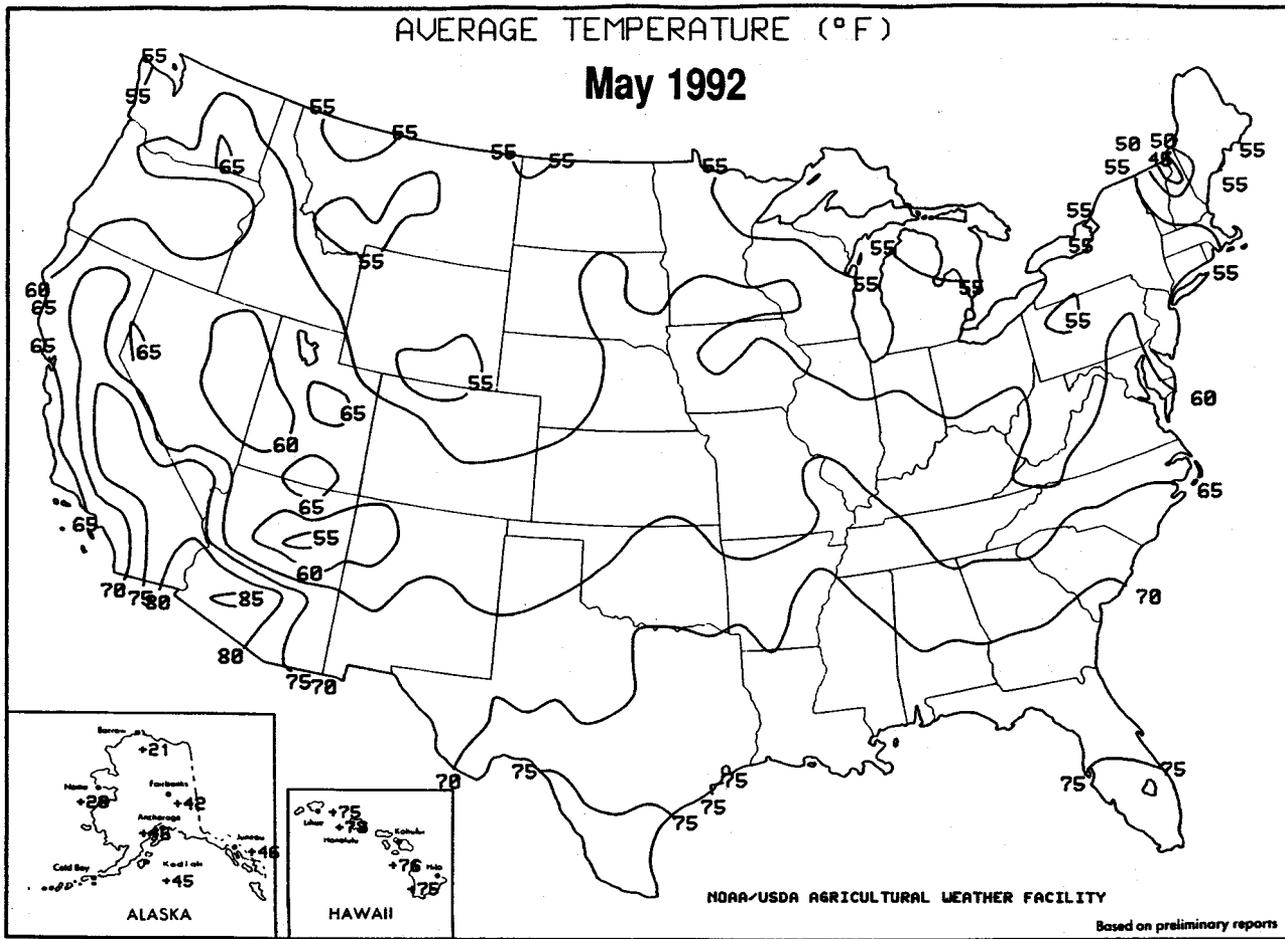
Progress of **corn** planting was lagging in the Corn Belt at the beginning of May due to late April rains, but surged with the arrival of dry weather during the first half of the month. By May 17, planting was 91% complete in the 17 major producing States, 19 percentage points ahead of last year and 10 points ahead of the 5-year average. Crop condition ratings dropped sharply the last week of May, as persistent dry weather in the central Corn Belt and frost in many of the northern and central corn-producing States resulted in much of the acreage previously rated as good being lowered to fair.

Soybean planting got off to a fast start in May and reached 80% complete in the 19 major producing States by May 31. This was 27 points ahead of last year's planting progress, and 17 points ahead of the historic average. Progress was well ahead of schedule in the upper and middle Mississippi Valley and slightly ahead of schedule in the South.

Cotton planting was well along in the West at the beginning of May and in full swing in the East. Progress outpaced both last year and the average

(Continued to p. 16)





TEMPERATURE AND PRECIPITATION SUMMARY

May 1992

STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	67	-3	1.2	-3.3	LA ALEXANDRIA	73	-2	3.2	-2.0	TOLEDO	58	-1	3.2	0.3
HUNTSVILLE	67	-2	2.5	-2.1	BATON ROUGE	73	-2	2.2	-2.7	YOUNGSTOWN	57	-1	2.0	-1.2
MOBILE	72	-3	1.6	-3.9	LAKE CHARLES	74	-1	2.7	-2.9	OK OKLAHOMA CITY	67	-2	4.9	-0.5
MONTGOMERY	69	-3	2.0	-2.0	NEW ORLEANS	73	-2	1.0	-4.1	TULSA	68	-1	5.6	0.5
AK ANCHORAGE	46	0	0.6	0.0	SHREVEPORT	71	-2	2.8	-1.9	OR ASTORIA	55	3	0.5	-2.4
BARROW	21	2	0.1	0.0	ME CARIBOU	53	4	1.8	-1.0	BURNS	58	6	0.1	-0.7
FAIRBANKS	42	-6	1.2	0.7	PORTLAND	52	-1	1.2	-2.1	MEDFORD	66	9	1.3	0.1
JUNEAU	46	0	9.1	5.7	MD BALTIMORE	61	-3	2.9	-0.5	PENDLETON	62	4	0.1	-1.0
KODIAK	45	2	7.6	2.4	MA SALISBURY	60	-3	3.3	-0.1	PORTLAND	63	7	0.1	-2.0
NOME	28	-8	0.2	-0.3	MA BOSTON	56	-3	1.4	-2.1	SALEM	61	6	0.1	-1.9
AZ FLAGSTAFF	53	3	4.1	3.3	CHATHAM	58	5	1.6	-2.1	PA ALLENTOWN	59	-1	4.9	1.3
PHOENIX	83	6	1.0	0.9	MI ALPENA	53	1	1.1	-1.7	ERIE	58	2	1.8	-1.3
PRESCOTT	62	3	2.3	2.0	DETROIT	58	0	1.3	-1.4	HARRISBURG	60	-2	3.2	-0.5
TUCSON	77	4	1.1	1.0	FLINT	57	1	1.6	-1.1	PHILADELPHIA	62	0	2.7	-0.4
WINSLOW	61	-1	2.1	1.8	GRAND RAPIDS	57	0	1.4	-1.4	PITTSBURGH	59	-1	2.3	-1.2
YUMA	83	5	0.3	0.3	HOUGHTON LAKE	54	1	0.5	-2.1	SCRANTON	59	0	4.2	1.1
AR FORT SMITH	67	-2	5.6	0.8	LANSING	56	-1	2.1	-0.3	WILLIAMSPORT	59	-1	3.5	-0.2
LITTLE ROCK	69	-2	3.3	-2.0	MARQUETTE	53	2	1.8	-2.2	RI PROVIDENCE	58	0	1.4	-2.0
CA BAKERSFIELD	77	6	0.1	-0.1	MUSKOGON	55	-1	0.3	-2.2	SC CHARLESTON	70	-2	5.1	0.7
BISHOP	67	5	T	-0.3	SAULT ST. MARIE	52	2	1.5	-1.4	COLUMBIA	68	-4	1.9	-1.9
EUREKA	57	5	0.1	-1.5	MN ALEXANDRIA	59	4	2.2	-0.7	FLORENCE	69	-3	2.2	-1.1
FRESNO	76	8	T	-0.3	DULUTH	54	4	2.9	-0.3	GREENVILLE	64	-5	5.0	1.1
LOS ANGELES	66	3	T	-0.1	INT'L FALLS	55	4	2.1	-0.3	ABERDEEN	60	3	0.8	-1.8
REDDING	75	6	T	-1.2	MINNEAPOLIS	60	2	1.2	-2.0	HURON	59	2	0.3	-2.4
SACRAMENTO	71	6	0.1	-0.1	ROCHESTER	58	1	1.6	-1.8	RAPID CITY	57	2	2.5	-0.2
SAN DIEGO	68	4	0.1	-0.2	ST. CLOUD	58	2	2.2	-1.1	ST. JOSEPH	60	2	1.8	-1.4
SAN FRANCISCO	63	6	T	-0.3	MS GREENWOOD	71	-1	2.4	-2.4	BRISTOL	61	-3	5.5	1.9
STOCKTON	72	6	0.0	-0.3	JACKSON	71	-1	1.2	-3.7	CHATTANOOGA	64	-4	2.0	-2.0
CO ALAMOSA	54	4	1.1	0.4	MERIDIAN	71	-1	1.7	-2.5	KNOXVILLE	64	-4	3.2	-0.5
CO. SPRINGS	58	2	2.1	-0.2	TUPELO	69	-1	1.3	-3.9	MEMPHIS	70	-1	3.7	-1.4
DENVER	61	3	1.1	-1.3	MO CAPE GIRARDEAU	--	--	2.3	-2.5	NASHVILLE	66	-2	3.1	-1.4
GRAND JUNCTION	65	3	1.8	1.1	COLUMBIA	62	-3	1.6	-3.0	ABILENE	69	-3	3.5	0.3
PUEBLO	62	1	0.4	-1.0	KANSAS CITY	63	-3	1.0	-3.4	AMARILLO	63	-2	3.1	0.3
CT BRIDGEPORT	58	0	2.8	-0.6	SAINT LOUIS	65	-1	1.4	-2.1	AUSTIN	73	-2	9.0	4.9
HARTFORD	58	-1	3.2	-0.1	SPRINGFIELD	63	-1	2.0	-2.3	BEAUMONT	74	-1	1.4	-3.6
DC WASHINGTON	62	-4	3.4	0.0	MT BILLINGS	58	4	1.7	-0.7	BROWNSVILLE	77	-2	5.6	3.4
FL APALACHICOLA	72	-2	0.7	-2.3	GLASGOW	58	3	0.7	-0.9	CORPUS CHRISTI	75	-3	7.4	4.0
DAYTONA BEACH	73	-2	3.1	-0.2	GREAT FALLS	55	2	2.1	-0.4	DEL RIO	74	-4	4.1	2.1
FT. MYERS	76	-2	0.9	-3.2	HAYVE	56	1	0.5	-1.2	EL PASO	71	-2	4.2	4.0
JACKSONVILLE	72	-3	6.0	1.8	HELENA	58	5	0.6	-1.1	FORT WORTH	71	-2	6.9	2.6
KEY WEST	78	-3	1.6	-1.7	KALISPELL	54	3	1.2	-0.6	GALVESTON	75	-1	4.4	1.1
MIAMI	78	-1	0.6	-5.9	MILES CITY	60	3	1.2	-1.2	HOUSTON	74	-2	7.0	2.3
ORLANDO	75	-3	1.2	-2.5	MISSOULA	56	4	0.7	-0.9	LAREDO	78	-3	3.4	0.9
TALLAHASSEE	72	-2	5.3	0.2	NE GRAND ISLAND	61	0	3.6	-0.1	LUBBOCK	67	-2	5.2	2.7
TAMPA	74	-3	0.1	-3.3	LINCOLN	62	0	2.4	-1.5	MIDLAND	68	-4	7.6	5.6
WEST PALM BEACH	76	-2	1.6	-4.4	NORFOLK	61	0	2.1	-1.6	SAN ANGELO	71	-3	1.5	-1.0
GA ATHENS	67	-2	1.5	-3.3	NORTH PLATTE	59	0	3.2	-0.2	SAN ANTONIO	74	-2	8.2	4.5
ATLANTA	68	-1	1.7	-2.3	OMAHA	63	-1	2.3	-2.0	VICTORIA	75	-2	12.3	7.8
AUGUSTA	68	-4	1.2	-2.5	SCOTTSBLUFF	60	3	2.0	-0.6	WACO	72	-2	6.4	1.7
MACON	70	-3	1.1	-2.7	VALENTINE	59	2	0.8	-2.0	WICHITA FALLS	69	-2	3.6	-0.8
SAVANNAH	72	-2	2.0	-2.6	NV ELKO	57	5	0.4	-0.6	UT BLANDING	--	--	2.3	1.7
HI HILO	75	1	2.4	-6.9	ELY	55	5	0.5	-0.5	CEDAR CITY	59	3	1.1	0.2
HONOLULU	78	1	1.1	0.0	LAS VEGAS	78	5	0.1	-0.1	SALT LAKE CITY	66	7	1.9	0.4
KAHULUI	76	1	1.6	0.9	RENO	65	10	0.1	-0.6	VT BURLINGTON	56	1	2.4	-0.6
LIHUE	75	-1	2.6	-0.4	WINNEMUCCA	63	8	T	-0.8	VA LYNCHBURG	62	-3	6.0	2.3
ID BOISE	64	7	T	-1.2	NH CONCORD	55	0	2.4	-0.5	NORFOLK	62	-4	3.5	-0.3
LEHISTON	63	5	0.5	-0.9	NJ ATLANTIC CITY	57	-3	2.3	-0.7	RICHMOND	62	-4	5.0	1.4
POCATTELLO	60	6	0.2	-0.9	NM ALBUQUERQUE	65	0	1.8	1.4	ROANOKE	60	-5	6.1	2.6
IL CAIRO	--	--	2.3	-2.6	CLOVIS	63	-3	5.6	3.5	WA COLVILLE	57	2	0.9	-0.7
CHICAGO	57	-2	0.3	-2.8	ROSWELL	67	-2	4.6	3.9	QUILLAYUTE	54	3	1.3	-3.9
MOLINE	61	0	0.3	-3.9	NY ALBANY	58	1	3.6	0.3	SEATTLE-TACOMA	60	5	0.1	-1.4
PEORIA	61	-1	0.8	-3.0	BINGHAMTON	55	0	6.4	3.2	SPOKANE	59	5	0.3	-1.1
QUINCY	61	-2	0.4	-4.0	BUFFALO	57	1	3.5	0.6	WALLA WALLA	64	4	0.3	-1.1
ROCKFORD	59	0	0.5	-3.3	NEW YORK	61	-1	2.9	-0.6	YAKIMA	61	3	T	-0.4
SPRINGFIELD	62	-1	0.5	-2.9	ROCHESTER	57	0	2.8	0.3	WV BECKLEY	58	-2	3.4	-0.2
EVANSVILLE	64	-2	3.4	-0.9	SYRACUSE	58	0	5.2	2.1	CHARLESTON	61	-3	4.7	1.0
FORT WAYNE	59	-1	3.1	-0.4	NC ASHEVILLE	60	-4	6.2	2.1	ELKINS	56	-2	3.2	-0.6
INDIANAPOLIS	60	-2	1.6	-2.1	CHARLOTTE	66	-3	3.6	0.0	HUNTINGTON	62	-3	5.0	1.1
SOUTH BEND	58	-1	1.2	-1.6	GREENSBORO	62	-4	2.3	-1.0	PARKERSBURG	61	-3	3.8	0.3
IA DES MOINES	62	0	1.4	-2.5	HATTERAS	64	-3	4.2	0.2	WI GREEN BAY	57	2	1.5	-1.6
DUBUQUE	59	1	0.7	-3.7	NEW BERN	65	-4	3.6	-0.8	LA CROSSE	61	2	1.5	-2.1
ST. LOUIS	61	-1	3.6	0.1	RALEIGH	63	-4	2.6	-1.0	MADISON	58	1	1.1	-2.2
KS CONCORDIA	62	-1	3.5	-0.5	WILMINGTON	67	-4	7.6	3.3	MILWAUKEE	57	2	0.6	-2.0
DODGE CITY	63	-2	3.1	-0.2	ND BISMARCK	58	3	1.1	-1.1	WAUSAU	57	1	4.6	0.8
GOODLAND	60	2	1.4	-1.5	FARGO	59	3	2.3	0.1	WY CASPER	56	4	2.0	-0.1
TOPEKA	62	-2	1.8	-2.2	GRAND FORKS	58	4	3.1	1.1	CHEYENNE	55	3	1.9	-0.5
WICHITA	63	-3	3.4	-0.4	WILLISTON	56	1	1.4	-0.4	LANDER	57	5	3.3	0.6
KY BOWLING GREEN	64	-3	4.6	0.5	OH AKRON-CANTON	58	-2	3.0	-0.5	SHERIDAN	56	3	2.0	-0.4
JACKSON	63	1	4.6	1.1	CINCINNATI	61	-2	2.8	-1.0	PR SAN JUAN	81	1	8.8	2.9
LEXINGTON	62	-2	4.7	0.4	CLEVELAND	58	-1	3.0	-0.3					
LOUISVILLE	64	-2	3.5	-0.6	COLUMBUS	60	-2	3.4	-0.3					
PADUCAH	66	-1	2.1	-2.6	DAYTON	60	-2	3.2	-0.5					
					MANSFIELD	57	-2	3.0	-0.8					

Based on 1951-80 normals.

May Weather in Historical Perspective

Nationally, May 1992 was the 26th warmest May since 1895 (table 1), bolstered by record warmth in the West, but offset by near-record chill in the Southeast. Seven of the last eight Mays have been marked by above-normal temperatures (fig. 1). Precipitation was the 17th lowest on record (table 1), primarily due to extreme dryness in the Central, Northwest, and West regions. This was only the third time since 1976 that national May precipitation was below normal (fig. 2).

Six of nine regions had May precipitation within the driest third of the historical distribution. In the Central and Southeast regions, cool weather accompanied a dry pattern. This year's second coldest May in the Southeast contrasted sharply with last year's sixth warmest ranking (fig. 3). But in the Northwest and West regions, record or near-record heat aggravated exceptionally dry conditions. In the Northwest

region, where rainfall was less than 30 percent of normal, only May 1924 was drier (fig. 4). May 1992 was the hottest on record in the West region, easily surpassing the mark set in 1924 (fig. 5). The Southwest region bucked the trend of dryness, recording its wettest May (fig. 6).

For the year to date (January to May 1992), 9 States have had one of their 10 driest starts to a year (ID, IL, IN, MO, MT, NH, NJ, OR, and TN). Idaho had its driest January to May on record (fig. 7). Texas has endured record wetness since January 1 (fig. 8), and New Mexico (3rd wettest) and Arizona (5th wettest) have followed suit. In terms of temperatures, the West North Central region had its warmest January to May period (fig. 9). That region encompasses 5 of the 19 States that have had one of the 10 warmest starts to a year (AZ, CA, CO, ID, IL, IA, KS, MN, MO, MT, NE, NV, ND, OK, OR, SD, UT, WA, and WY).

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

REGION	PRECIPITATION	TEMPERATURE
NORTHEAST	41	39
EAST NORTH CENTRAL	11	65
CENTRAL	9	30
SOUTHEAST	28	2
WEST NORTH CENTRAL	18	84
SOUTH	76	14
SOUTHWEST	98	81
NORTHWEST	2	97
WEST	6	98
NATIONAL	17	73

Figure 3

SOUTHEAST REGION TEMPERATURE
MAY, 1895-1992

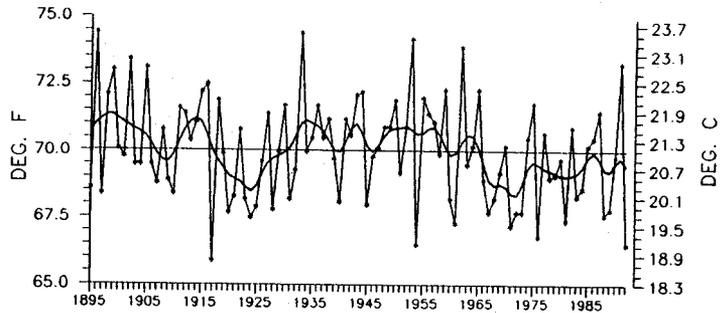


Figure 1

U.S. NATIONAL TEMPERATURE
MAY, 1895-1992

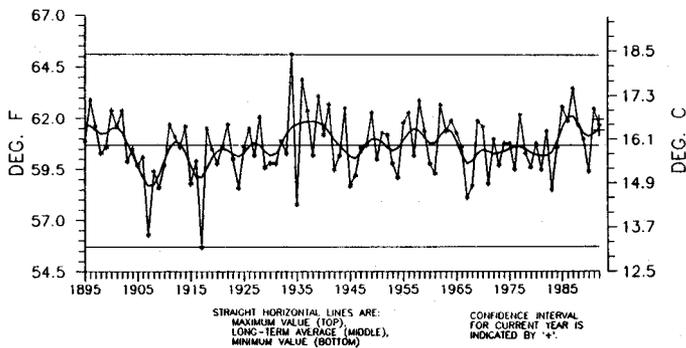


Figure 4

NORTHWEST REGION PRECIPITATION
MAY, 1895-1992

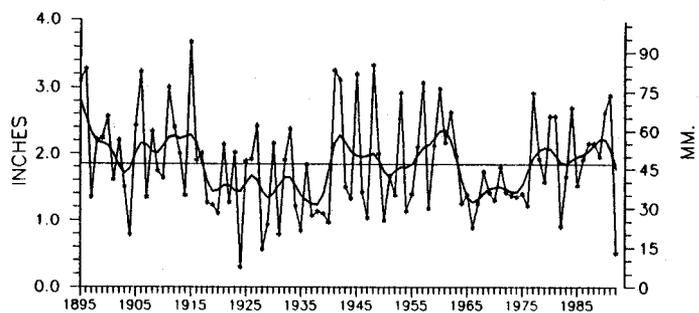


Figure 2

U.S. NATIONAL WEIGHTED MEAN PRECIPITATION INDEX
MAY, 1895-1992

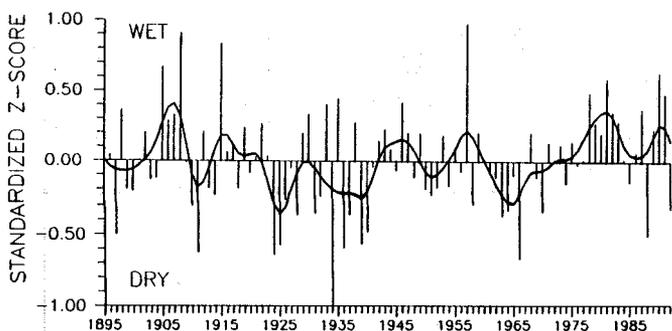


Figure 5

WEST REGION TEMPERATURE
MAY, 1895-1992

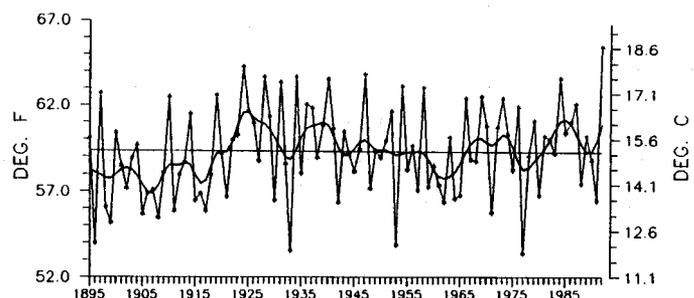


Figure 6

SOUTHWEST REGION PRECIPITATION
MAY, 1895-1992

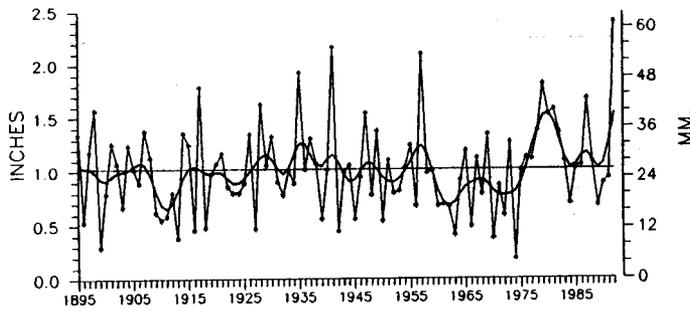


Figure 8

TEXAS AVERAGE PRECIPITATION
JANUARY-MAY, 1895-1992

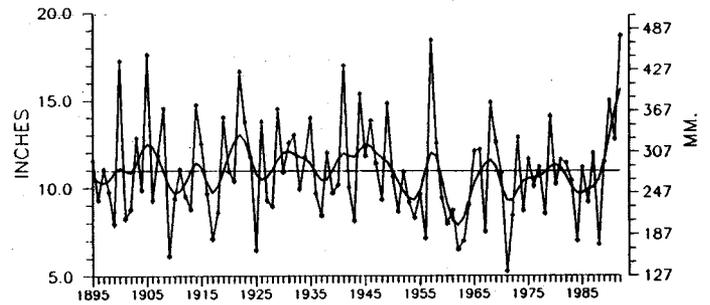


Figure 7

IDAHO AVERAGE PRECIPITATION
JANUARY-MAY, 1895-1992

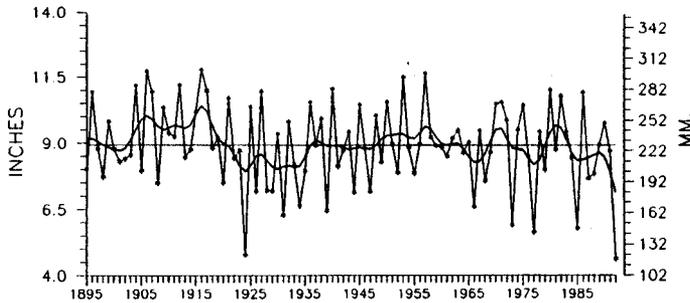
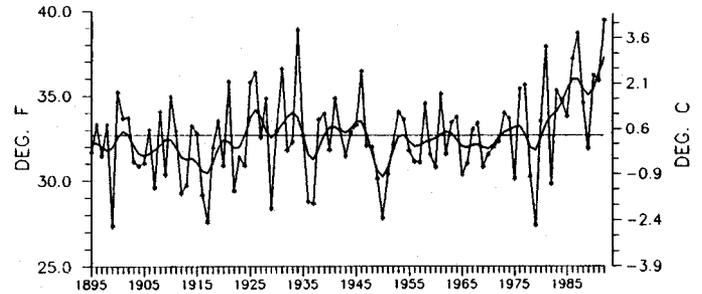
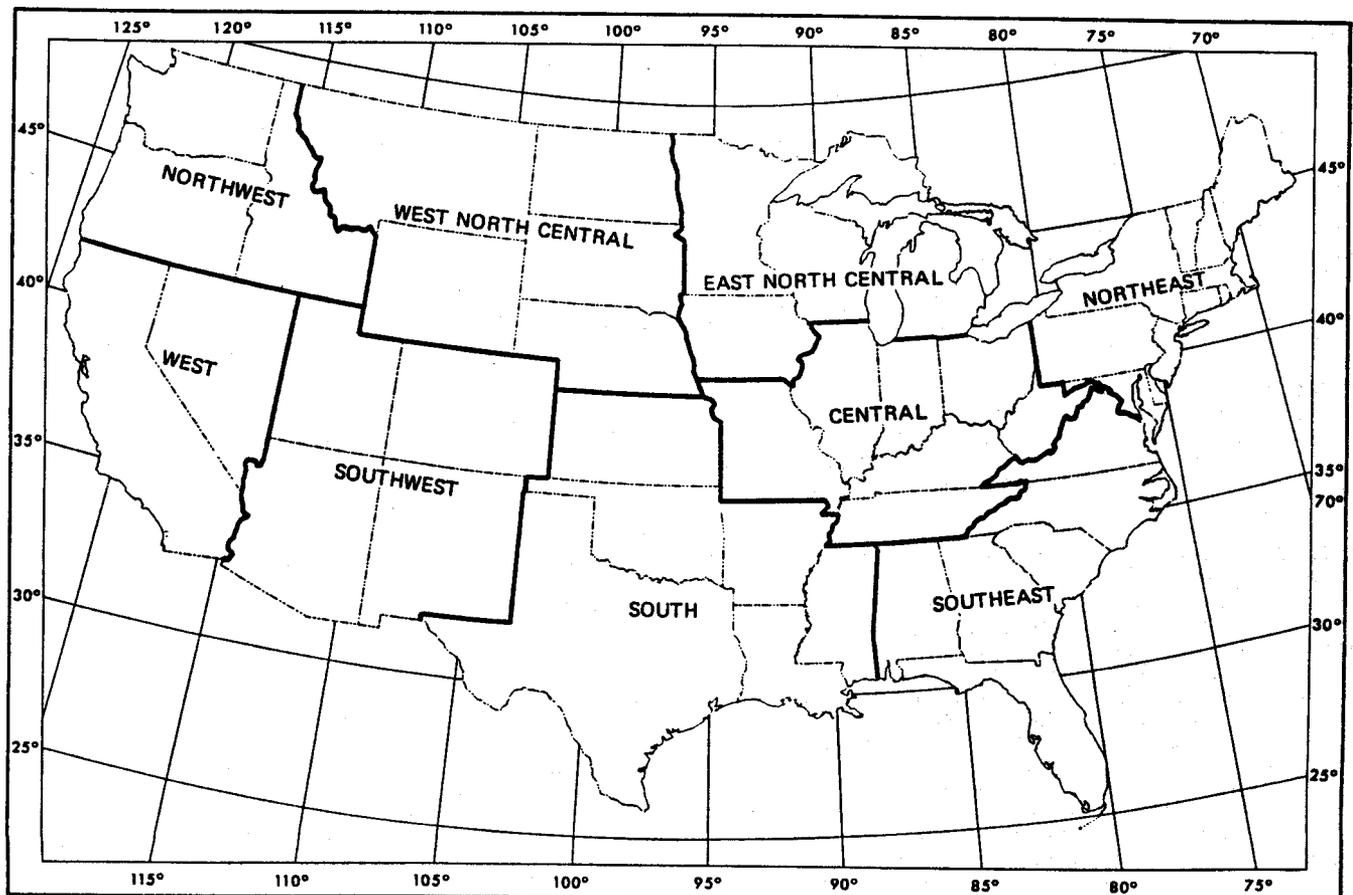


Figure 9

WEST NORTH CENTRAL AVERAGE TEMPERATURE
JANUARY-MAY, 1895-1992



National Climatic Data Center, NOAA



The nine climatically homogeneous regions of the contiguous United States as defined by the National Climatic Data Center (NCDC).

National Agricultural Summary

June 1 - 7, 1992

HIGHLIGHTS: Below-normal temperatures slowed crop development in most areas except the West, where above-average temperatures continued to stress crops. Additional rainfall in the already wet central and southern Plains delayed the wheat harvest and resulted in the deterioration of the cotton crop. Soybean planting slowed somewhat but continued well ahead of last year and the 5-year average.

SMALL GRAINS: Winter wheat condition for the 19 major producing States showed little change from the previous week. Dry weather continued in the northern Rockies and parts of the central Great Plains. Crop conditions remained good in California and the Southeast. Crop harvests progressed well in the Far West and Southeast but lagged significantly behind 1991. As of June 7, 2 percent (%) of the crop was harvested, compared with 9% this date a year ago. Heading of winter wheat crop continued to progress ahead of normal, with 92% of the acreage showing grain heads in the major States. This compares with 89% last year and the average. Heading was complete in the central Great Plains and part of the Southeast. Army worm infestation continued to be a problem in the central Great Plains, with the highest concentration in west central and southwest portions of Missouri. Spring wheat condition for the five major producing States was rated as fair to mostly good. North Dakota, the largest producing State, reported nearly two-thirds of its acreage as being good. Barley and oats were in mostly good condition in the upper Midwest.

CORN: Crop condition in the 17 major producing States was reported mostly fair to good, practically unchanged from the previous week, when condition dropped sharply. Below-normal temperatures, with some rainfall over the major Corn Belt States, continued to stabilize corn condition. Corn height in Illinois and Indiana averaged 9-10 inches, compared with 19 inches in 1991 and an average of 13-15 inches. Corn silking reached 16 percent in Georgia well behind last year and the average. Corn progressed well in Texas, with many fields in the central and southern portions of the State in the dough stage.

SOYBEANS: Soybean planting progress for the 19 major producing States averaged 85% completed. Well ahead of last year's 67% and the average of 75%. The condition of the crop was mostly fair to good in parts of the Great Plains and upper Mississippi Valley.

COTTON: Cotton condition in the 14 major producing States rated mostly fair to good, down from a week earlier. Poorer conditions in Texas, Mississippi, Oklahoma, and New Mexico more than offset the improved or unchanged condition in the other States. Cotton planting was 88% complete, 3 points ahead of last year, and equal to the average. Most States showed some planting progress, but the most progress was in Georgia, North Carolina, and Texas. Eleven percent of the acreage was squaring, 3 points ahead of last year and 9 points ahead of the average. Excess moisture has been detrimental to young plants in Texas. Plains' producers continue to evaluate damage from

recent heavy rainfall and cold weather. Acreage affected by seedling disease and blight may be widespread.

GRAIN SORGHUM: Grain sorghum planting was 70% complete in the 12 major producing States, compared with 66% last year. The Nebraska planting was complete as many of the Gulf States were nearing completion. New Mexico plantings continued to be hampered by heavy rainfall.

RICE: Rice was 95 percent emerged in the 5 major producing States, 15 points ahead of last year and 6 points ahead of the historic average. Crop condition remained mostly fair in Arkansas and Mississippi, and mostly good in California, Louisiana, and Texas. Heavy rains washed out some levies in Texas, and water weevil problems continued in southwest Louisiana.

OTHER FIELD CROPS: Cool, damp weather continued to make haying difficult in much of the South Central and Eastern States. First cuttings of alfalfa were active, with progress generally ahead of normal. Spring potato harvest continued in Florida and California. Seeding of fall potatoes was nearly complete, with much of the crop emerging. Dry beans were 40-percent planted in Michigan, well ahead of average progress. Sugar beets were being thinned, and harvest of over-wintered beets was still active in a few counties in California. Sugarcane was making good to excellent progress in Florida and Louisiana. Peanut planting was near completion in Georgia and Mississippi, and plantings were delayed again in Texas. Virginia peanuts were in fair to good condition.

FRUIT AND NUTS: Oranges, grapefruit, tangerines, and grapes were being harvested in western and central Arizona. Valencia orange harvest was about 15% complete in California and virtually over in Florida. The sizing of the crop was about normal out West and average in the Southeast. Freestone peach harvest was about 25% complete in California. South Carolina's peach crop was in fair condition with 13% of the crop harvested, 5 points ahead of the average. Apple conditions were mixed in the upper Atlantic coast. In New Jersey, growers were reporting poor pollination, as New York apple growers were reporting good fruit set.

VEGETABLES: Onions, lettuce, and mixed vegetable harvests continued in central and eastern Arizona. Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, and iceberg leaf, and romaine lettuce harvests were active in California, with generally good quality. The fresh-market tomato harvest was underway in the Merced-Atwater area, while the desert volume was winding down. Processing-tomato harvest began

(Continued to p. 16)

Crop Progress

for the Week Ending June 7, 1992

COTTON (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	99	98	94	99
AZ	100	99	100	100
AR	98	98	95	98
CA	100	100	100	100
GA	95	86	93	96
LA	100	100	100	100
MS	98	97	84	96
MO	100	99	91	97
NM	98	95	99	100
NC	98	92	100	99
OK	58	50	78	68
SC	99	97	95	98
TN	100	100	79	94
TX	77	70	76	78
14 States	88	83	85	88

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

COTTON (Percent Squaring)

	Current	Last Wk	1991	Avg.
AL	12	3	9	12
AZ	40	25	15	49
AR	4	0	8	7
CA	5	0	5	5
GA	10	1	17	21
LA	18	8	0	11
MS	16	4	0	16
MO	1	0	0	0
NM	4	0	0	7
NC	0	0	11	3
OK	6	5	0	0
SC	2	0	9	6
TN	0	0	0	2
TX	12	7	11	10
14 States	11	5	8	10

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

RICE (Percent Emerged)

	Current	Last Wk	1991	Avg.
AR	97	94	78	88
CA	85	70	85	81
LA	97	94	86	94
MS	95	93	43	82
TX	92	89	94	98
5 States	95	90	80	89

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

GRAIN SORGHUM (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	98	97	87	92
CO	30	27	35	41
IL	84	72	83	69
KS	45	40	50	55
LA	97	95	67	88
MS	95	90	65	88
MO	90	83	50	68
NE	100	95	83	85
NM	31	30	41	NA
OK	53	35	66	40
SD	76	64	29	56
TX	81	79	84	81
12 States	70	65	66	NA
Excl. States with NA	71	66	66	69

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

NA - not available.

WINTER WHEAT (Percent Headed)

	Current	Last Wk	1991	Avg.
AR	100	100	100	100
CA	99	99	99	99
CO	90	83	76	77
GA	100	100	100	100
ID	47	27	8	23
IL	97	95	97	99
IN	94	78	98	94
KS	100	100	100	100
MI	30	5	75	65
MO	99	95	100	100
MT	42	9	8	21
NE	100	100	92	93
NC	100	98	100	100
OH	73	44	100	94
OK	100	100	100	100
OR	96	87	67	75
SD	81	47	73	65
TX	99	96	100	99
WA	85	60	73	68
19 States	92	85	89	89

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

WINTER WHEAT (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	3	1	37	20
CA	10	1	5	6
CO	0	0	0	0
GA	25	13	55	72
ID	0	0	0	0
IL	0	0	0	0
IN	0	0	0	0
KS	0	0	2	0
MI	0	0	0	0
MO	0	0	2	0
MT	0	0	0	0
NE	0	0	0	0
NC	2	1	48	24
OH	0	0	0	0
OK	2	0	21	12
OR	0	0	0	0
SD	0	0	0	0
TX	8	6	30	18
WA	0	0	0	0
19 States	2	1	9	5

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

SOYBEANS (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	63	50	35	58
AR	51	43	35	49
GA	48	42	45	65
IL	93	90	93	87
IN	97	92	90	78
IA	99	97	67	88
KS	60	50	70	60
KY	55	43	41	50
LA	80	65	26	56
MI	90	80	80	85
MN	98	97	61	88
MS	59	46	17	46
MO	76	68	41	58
NE	100	100	86	89
NC	57	47	67	58
OH	93	86	97	78
SC	44	33	33	51
SD	99	91	78	87
TN	58	44	16	46
19 States	85	80	67	75

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

Crop Condition (Percent)

for the Week Ending June 7, 1992

COTTON					
STATE	VP	P	F	G	EX
AL	0	2	52	46	0
AZ	0	0	18	64	18
AR	0	8	66	26	0
CA	0	0	5	85	10
GA	0	1	57	42	0
LA	0	0	44	46	10
MS	0	0	83	17	0
MO	0	25	75	0	0
NM	25	31	13	31	0
NC	0	15	55	30	0
OK	0	0	92	4	4
SC	0	1	81	18	0
TN	3	26	56	15	0
TX	8	33	42	14	3
14 State	4	18	49	26	3
Prev Week	0	5	55	34	6
Prev Year	1	6	39	52	2

RICE					
STATE	VP	P	F	G	EX
AR	0	5	65	30	0
CA	0	0	5	85	10
LA	0	0	34	66	0
MS	0	18	70	12	0
TX	0	0	21	65	14
5 State	0	4	46	47	3
Prev Week	0	3	46	46	5
Prev Year	2	8	38	48	4

CORN					
STATE	VP	P	F	G	EX
CO	3	10	30	49	8
GA	0	5	40	55	0
IL	0	7	66	26	1
IN	0	8	51	37	4
IA	0	5	35	56	4
KS	10	8	27	44	11
KY	0	3	34	59	4
MI	3	10	35	45	7
MN	1	14	55	29	1
MO	0	14	70	15	1
NE	3	11	42	43	1
NC	0	0	34	64	2
OH	1	5	29	53	12
PA	1	3	23	55	18
SD	5	13	46	35	1
TX	0	0	9	69	22
WI	1	11	47	41	0
17 State	1	8	45	42	4
Prev Week	1	8	44	42	5
Prev Year	0	2	17	61	20

SPRING WHEAT					
STATE	VP	P	F	G	EX
ID	3	13	28	50	6
MN	1	7	42	46	4
MT	15	17	32	33	3
ND	0	6	16	71	7
SD	8	21	44	25	2
5 State	4	10	27	54	5
Prev Week	3	8	25	58	6
Prev Year	0	1	14	71	14

WINTER WHEAT					
STATE	VP	P	F	G	EX
AR	0	0	25	58	17
CA	0	0	5	75	20
CO	17	18	29	33	3
GA	0	0	17	78	5
ID	4	10	34	46	6
IL	13	10	47	30	0
IN	2	19	52	26	1
KS	9	12	52	22	5
MI	2	8	35	45	10
MO	2	16	67	15	0
MT	19	28	28	22	3
NE	13	46	29	12	0
NC	0	0	13	81	6
OH	4	12	35	42	7
OK	0	7	48	45	0
OR	2	26	55	17	0
SD	22	33	39	5	1
TX	1	2	29	59	9
WA	4	61	21	14	0
19 State	7	15	40	34	4
Prev Week	5	17	41	32	5
Prev Year	5	14	44	33	4

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

(Continued from p. 8)
during the month, reaching 83% complete by May 31. As of May 31, planting remained in full swing as weather permitted in Oklahoma and Texas, but was complete, or mostly complete, in the other major producing States. Some replanting was undertaken due to rain and hail damage in southern and eastern Arizona and southern New Mexico.

Grain sorghum planting was active throughout the month, with progress running ahead of schedule despite heavy rains in the southern Plains. Planting was 66% complete in the 12 major States on May 31, compared with 53% last year and the average of 55%.

Rice seeding, which was in full swing entering the month, was completed ahead of schedule by the end of the month. Crop condition was mostly fair in Arkansas and Mississippi, and mostly good in California, Louisiana, and Texas. Cold weather along Texas' Upper Coast at the end of the month slowed crop development, and water weevils were causing severe damage in southwestern Louisiana.

(Continued from p. 14)
with light volume and good quality in the desert area. Other area fields developed well with warm weather. Hot days and warm nights prevailed over major Florida vegetable-producing areas. Harvest was active in northern areas, declining in the central areas and nearly complete in the south. Volume leaders of watermelons, tomatoes, sweet corn, carrots, celery, eggplant, radishes, squash, and cherry tomatoes were available. Light to moderate disease and insect pressure was reported on Maryland and Delaware vegetables. Green peas and strawberries were being harvested, and the melons were being planted. In Oregon, the pea harvest was underway, with concerns for the dryland crop. Some sweet corn, green beans, and broccoli were being planted in the Willamette Valley. In Texas, harvest of peas and green beans were nearing completion. Fieldwork was delayed in the East due to wet conditions. In New Jersey, producers planted late vegetables.

PASTURE AND LIVESTOCK: Western range and pasture conditions were poor to good, with some areas in very poor condition. Water supplies were variable, with heavy livestock movement into feedlots and auction barns. Moisture conditions in the lower Great Plains significantly improved pastures. Livestock conditions were steady. The Mississippi Valley to the Atlantic coast had good pasture and livestock conditions.

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall 1.00 to 3.00 in., over 3.00 in. local areas north; 0.50 in. central. Temperatures 2 to 4° below normal.

Days suitable for fieldwork 4.1. Soil moisture 31% short, 69% adequate. Needed rainfall benefitted crops, pastures. Corn 20% silked, 43% 1991, 43% avg.; corn 1% poor, 53% fair, 38% good, 8% excellent. Sorghum 55% planted, 62% 1991, 71% avg.; sorghum 41% fair, 59% good. Cotton 99% planted, 94% 1991, 99% avg.; 12% squaring, 9% 1991, 12% avg.; cotton 2% poor, 52% fair, 46% good. Peanuts 98% planted, 96% 1991, 98% avg.; 4% pegging, 5% 1991, 5% avg.; peanut 59% fair, 41% good. Soybeans 63% planted, 35% 1991, 58% avg.; 6% poor, 38% fair, 56% good. Winter wheat 97% turning color, 99% 1991, 98% avg.; 32% harvested, 38% 1991, 46% avg.; 14% fair, 81% good, 5% excellent. First hay 79% harvested, 50% 1991, 69% avg. Pasture 8% very poor, 13% poor, 56% fair, 23% good. Livestock 46% fair, 50% good, 4% excellent. Primary activities: Planting soybeans, sorghum, watermelons; cultivating row crops; harvesting small grains, hay, peaches, potatoes, early vegetables; applying fertilizer, herbicides, insecticides; irrigating fields; mowing pastures; scouting cotton; general care of livestock, poultry, catfish.

ALASKA: Warm weather with light precipitation in the central, southern regions boosted crop growth. Fairbanks, Delta region, early week rain combined with the already saturated soils continued to plague fieldwork. Highs 3° below normal to 3° above normal. Lows 1° below normal to 5° above normal. Seasonal precipitation 1.39 in. wetter than normal at Fairbanks to 0.71 in. drier than normal at Homer.

Days suitable for fieldwork 6.0. Topsoil 27% short, 67% adequate, 6% surplus. Subsoil 7% short, 91% adequate, 2% surplus. Small grain seeding over 95% complete. Commercial potato planting 80% complete. Vegetable transplanting, seeding continued. Rate of crop growth: 29% slow, 39% moderate, 32% rapid.

ARKANSAS: Temperatures below normal, rain statewide. Temperatures 51°; 90°. Rainfall 1.00 to 3.45.

Days suitable for fieldwork 3. Soil moisture 2% short, 49% adequate, 49% surplus. Main farming activities; planting, applying herbicide, fertilizer to rice, harvesting wheat, cultivating cotton, pasture weed control, hay harvesting, working cattle. Wheat fair to good. Wheat harvest delayed by rainfall. Cotton emerged 95%, 86% 1991, 94% avg. Cool weather causing problems with seedling diseases in east. Thrips increased in fields in east central. Soybeans emerged 46%, 21% 1991, 34% avg. Grain sorghum emerged 95%, 74% 1991, 83% avg.; 8% poor, 64% fair, 25% good, 3% excellent. Corn 23% fair, 77% good. Peanuts 80% planted southwest. Tomatoes good. Some early variety peaches harvested. Livestock good. Producers continue seasonal spraying for ticks, flies. Cattle making good gains west. Pastures mostly good. Army worms heavy northwest, north central. Hay harvesting slowed by wet conditions.

ARIZONA: Showers, thunderstorms 1st to 2nd, central, east; 3rd wind gusts to 63 mph, central, thunderstorms central, south central;

sunny, warm 4th to 6th. Temperature 2° below to 8° above normal. Extremes 39°; 94° higher elevations, 54°; 110° deserts.

Cotton planted 100%, 100% 1991, 100% avg.; squaring 40%, 15% 1991, 49% avg.; 18% fair, 64% good, 18% excellent; weeds, light to moderate, insects light. Replanting east, south central. Alfalfa good to excellent; weeds, insects light statewide; harvest, moderate to active, light western. Moderate to severe rain damage east, south central. Small grains harvested 45%, 33% 1991, 55% avg. Oranges, grapefruit, cantaloupe, watermelon, honeydew harvested west, central. Grapes harvested west. Red, chipper potatoes, dry onions, mixed vegetables harvested, central. Lettuce, dry onions harvested, east.

CALIFORNIA: Strong high pressure over the State brought above normal temperatures. A deepening marine layer extended into the coastal valleys; thunderstorms developed every afternoon especially over the Sierra Nevada crest, eastward.

Open weather permitted good progress field activities. Small grain harvest active most areas. High elevation fields still heading. Alfalfa, oats, forage mixes cut hay, green chopped. Cotton growth excellent. Many fields irrigated, treated lygus, mites, weeds. Rice planting still underway, few areas. Emerged fields tillering rapidly, hot temperatures. Weed, water weevil treatments applied. Silage corn planted, sprayed cutworms, mites, weeds. Safflower growing well, most fields blooming. Sunflowers good development, some pre-bud stage. Thinning, hand roguing underway. New crop sugarbeets cultivated, irrigated, treated cutworms. Harvest over-wintered crop still active few counties. Stonefruit harvest increased, most varieties one week early. Growers cultivating, thinning, spraying worms, irrigating. Freestone peach harvest one fourth picked. Plums 10% picked. Nectarines 20% picked. Apricot harvest active, cherries nearly done. Almond, walnut growers irrigating, treating pests. Vineyards irrigated, treated various afflictions. Grape bunches developing well, some reported sunburn. Coachella Valley table grape harvest ongoing. Valencia orange harvest 15% complete. Navel orange harvest virtually complete. New crop Navel oranges, citrus fruits developing, sizing normally. Spraying scale control. Coastal region lemons picked, packed. Spring strawberry harvest over Sacramento Valley, eastside areas, picking continued variable quality central coast. Avocado harvest continued. Asparagus harvest steady Salinas Valley good quality. Broccoli fairly heavy Salinas-Watsonville, moderate Santa Maria, good quality. Carrot harvest continued Kern-Tulare district, Coachella Valley. Cauliflower moderate, variable quality Salinas-Watsonville, Santa Maria. Celery fairly heavy variable quality Santa Maria, continued steady Oxnard. Harvest started Salinas-Watsonville light but increasing supplies. Sweet corn harvest began Kern-Tulare area, continued Coachella Valley good quality. Iceberg lettuce volume fairly heavy Salinas-Watsonville, Santa Maria variable quality. Leaf, Romaine lettuce harvests moderate variable quality Salinas-Watsonville. Cantaloupe, honeydew, watermelon, mixed melon season started westside area. Harvest progressed Coachella Valley good quality,

Imperial Valley harvest finishing up. Spring onion digging fairly light central valley, desert growing areas. Spring potato digging moderate Kern-Tulare district. Fall potatoes Tulalake-Butte Valley area growing well. Fresh market tomato harvest underway Merced-Atwater, desert volume winding down. Processing tomato harvest started light volume good quality desert area. Other area fields developing well with warm temperatures. Other vegetables harvested: beans, cabbage, cucumbers, garlic, peppers. Range, pasture poor to good, some areas very poor, concern for fire hazard. Water supplies variable. Supplemental feeding light to moderate. Cattle, sheep good. Livestock movement heavy to feedlots, auction barns. Bees moved to seed alfalfa, melon fields.

COLORADO: Numerous showers, thunderstorms in the east on 1st left 0.25 to 0.50 in. rain. Rain on 3rd through 7th with some severe storms brought spotty but locally heavy precipitation. Nearly 2.00 in. reported in southeast. Cloudy conditions in most areas kept temperatures in most locations 3 to 6° below normal.

Days suitable for fieldwork 4.5. Soil moisture 6% very short, 28% short, 62% adequate, 4% surplus. Alfalfa 1st cutting 48%, 15% 1991, 24% avg. Barley headed 19%, 11% 1991, 17% avg. Oats headed 39%, 14% 1991, 13% avg. Spring wheat headed 6%, 6% 1991, 13% avg. Dry beans planted 34%, 19% 1991, 38% avg.; emerged 6%. Sorghum planted 30%, 35% 1991, 41% avg.; emerged 16%. Corn emerged 94%, 79% 1991, 87% avg.; some replanting as result of May 26th freeze. Fall potatoes emerged 45%, 10% 1991, 9% avg. Winter wheat headed 90%, 76% 1991, 77% avg.; turning color 17%. Sugarbeets thinned 62%, 22% 1992, 38% avg. Winter wheat 17% very poor, 18% poor, 29% fair, 33% good, 3% excellent. Corn 3% very poor, 10% poor, 30% fair, 49% good, 8% excellent. Livestock mostly good. Pasture, range feed fair.

FLORIDA: Temperatures 1 to 3° below normal Panhandle, normal elsewhere in north, 1 to 3° above normal central, south. Highs; lower 90s across north, extreme south, middle 90s central Peninsula. Lows; upper 50s Big Bend, low 60s Panhandle, around 70° central, south. Rained on 1 to 4 days north, 3 to 6 days central, south. Rainfall; 1 to 2 in. typical, amounts varied 0.25 to over 3.00 in.

Soil moisture short to adequate Panhandle, mostly short Peninsula, except scattered areas adequate. Cotton planted in dry soil coming up. Planting of cotton, peanuts, soybeans has resumed. Winter wheat harvest virtually complete. Corn, tobacco, sugarcane making good progress. Citrus groves, trees very good. Hard rain most areas, irrigation continues. Good progress on new crop fruit, sizes average, droppage of excessive new crop fruit over for year. Valencia harvest almost complete. Grapefruit harvest virtually over. Caretakers cutting cover crops, spraying, fertilizing, cleaning ditches. Hot days, warm nights prevailed over major vegetable producing areas. Scattered shower activity common most areas. Harvest active northern, declining central areas, near complete south. Volume leaders: potatoes, watermelon, tomatoes, sweet corn, pepper, cucumbers. Also available: snapbeans, carrots, celery, eggplant, radishes, squash, cherry tomatoes. Harvest Gadsden County tomatoes underway. State's pastures poor to good. Pasture ratings, 35% poor, 35% fair, 25% good, 5% excellent. Moisture levels mostly short to adequate. State's cattle herds fair to good.

GEORGIA: Rain 1.00 to 3.00 in. common north, eastern, southern areas. Local totals exceeding

3.00 in., mainly northern areas. Few areas central areas only 0.50 in. Temperatures 1 to 3° below normal, except near normal southeastern areas. Warmest mid 80s mountains low 90s central, south. Coolest 40s mountains low to mid 60s southeast.

Days suitable for fieldwork 4.0. Soil moisture 1% very short, 23% short, 70% adequate, 6% surplus. Corn 16% silked, 71% 1991, 52% avg.; 2% dough, 32% 1991, 15% avg.; improved from last week. Cotton improved, development about week behind normal. Sorghum 57% fair, 43% good; 68% planted, 74% 1991, 80% avg. Peanuts 5% very poor, 62% fair, 28% good, 5% excellent; 99% planted, 98% 1991, 99% avg.; 12% blooming, 39% 1991, 33% avg.; 1% pegging, 11% 1991, 6% avg.; Rains aiding germination. Soybeans 2% poor, 34% fair, 64% good. Tobacco 34% fair, 62% good, 4% excellent; 0% harvested, 3% 1991, 1% avg. Wheat harvest far behind normal, early yields exceeding expectations. Onion harvest virtually complete. Water-melons 68% fair, 32% good. Other vegetables 2% poor, 56% fair, 42% good. Apples 1% poor, 9% fair, 90% good. Peaches 1% very poor, 5% poor, 69% fair, 25% good; 26% harvested, 41% 1991, 42% avg. Hay, pastures fair to good. Cattle, hogs good. Activities: Hay harvest between showers, spraying for insect control, weed control.

HAWAII: High temperatures near 90° lingered in the State, breaking or matching previous records. Heavy showers fell at midweek, weekend on some areas of the State, restoring low soil moisture levels, increasing water supplies. Irrigation water restrictions continued Upcountry Maui. Warm weather was favorable to orchard, nursery crops. Rainfall none to 2.70 in.

Days suitable for fieldwork 7.0. Banana shipments declined. Papaya production increased. Some pastures Hawaii island benefitted from almost daily precipitation. Sugarcane windward coast Hawaii benefitted from midweek showers.

IDAHO: Statewide, temperatures 1 to 11° above normal. Precipitation fell in Sandpoint in the north, Rexburg, Idaho Falls east.

Days suitable for fieldwork 7. Soil moisture 30% very short, 35% short, 35% adequate. Spring wheat headed 25%, 0% 1991, 5% avg. Spring barley headed 23%, 0% 1991, 6% avg. Oats emerged 99%, 86% 1991, 95% avg. Sugarbeets thinned 80%, 52% 1991, 67% avg. Potatoes emerged 83%, 32% 1991, 53% avg. First cutting alfalfa 59%, 16% 1991, 20% avg. Field corn planted 99%, 91% 1991, 97% avg.; emerged 92%, 61% 1991, 85% avg. Dry beans planted 77%, 63% 1991, 65% avg.; emerged 43%, 13% 1991, 15% avg. Lack of water, various insect problems across State. Irrigation water supplies 22% very poor, 28% poor, 28% fair, 22% good, 0% excellent. Activities: Cultivating, thinning sugarbeets, cutting alfalfa, irrigation, weed, insect control. Pasture, range condition 61% of normal. Ranges across State are limited, some have started to burn up due to lack of moisture. Hay, roughage supplies mostly adequate. Livestock good.

ILLINOIS: Wet southern area, with some rain generated north on 6th. Temperatures mid 50s to the mid 70s across State. Precipitation across State 0.50 to 1.00 in.

Days suitable for fieldwork 6.0. Soil moisture 80% short, 18% adequate, 2% surplus. Corn average height 10 in., 19 in. 1991, 15 in. avg. Average height most advanced 16 in., 33 in. 1991, 23 in. avg. Soybean 2% excellent, 27% good, 65% fair, 4% poor, 2% very poor. Winter wheat filled 84%, 89% 1991, 86% avg. Turning yellow 17%, 61% 1991, 53% avg. Winter wheat ripe 0%, 15%, 1991, 6% avg. Alfalfa first cutting 82%, 76% 1991, 71% avg.; 44% good, 44% fair, 9% poor, 3% very poor. Red clover cut 65%, 56% 1991, 56% avg. Oats headed 31%, 66% 1991, 48% avg.; filled 7%, 41%

1991, 24% avg.; 52% good, 43% fair, 5% poor. Pasture 77% of normal.

INDIANA: Temperatures near normal. Highs mid to upper 70s. Lows, mid 50s to near 60°. Precipitation 0.20 to 3.00 in. mostly weekend rains.

Days suitable for fieldwork 4.0. Topsoil 31% short, 58% adequate, 11% surplus. Subsoil 47% short, 50% adequate, 3% surplus. Corn height 9 in., 19 in. 1991, 13 in. avg. Soybeans emerged 85%, 85% 1991, 69% avg.; height 4 in., 5 in. 1991, 4 in. avg. Wheat in milk 38%, 72% 1991, 55% avg. Oats headed 25%, 88% 1991, 47% avg.; 12 in. high. Tobacco set 68%. Alfalfa hay 1st cutting 60%, 65% 1991, 61% avg. Pasture 83%, 84% last week, 96% 1991. Some corn, soybean replanting in northern districts. Soil moisture conditions improved marginally.

IOWA: Temperatures within 2° of normal. Extremes 41°; 86°. Precipitation up to 0.93 in southwest; none northeast; average 0.17 in, weekly normal 1.02 in. Rainfall deficit over past 6 weeks averaging near 4.00 inches.

Days suitable for fieldwork 7.0. Topsoil 84% short, 16% adequate. Subsoil 15% short, 84% adequate, 1% surplus. Winter wheat 10% very poor, 20% poor, 47% fair, 19% good, 4% excellent. Hay 4% very poor, 14% poor, 43% fair, 34% good, 5% excellent. Oats 8% poor, 36% fair, 52% good, 4% excellent. Soybeans 7% poor, 36% fair, 54% good, 3% excellent. Pasture 4% very poor, 9% poor, 48% fair, 35% good, 4% excellent. Corn cultivated first time 28%, 22% 1991, 37% avg. Soybean 90% emerged, 47% 1991, 70% avg.; cultivated first time 6%, 10% avg. Oats headed 10%, 24% 1991, 30% avg. First cutting alfalfa 48% harvested, 26% 1991, 37% avg. Livestock good.

KANSAS: Temperatures below normal over the State; 5° below normal northwest, 10° below normal southwest, 7 to 9° below normal remainder of State. Precipitation received all districts. Most received substantial amounts. Rainfall 0.93 in. northeast to 2.76 in. central.

Days suitable for fieldwork 1.5. Surface moisture 20% short, 48% adequate, 32% surplus. Subsurface moisture 42% short, 55% adequate, 3 percent surplus. Wheat condition slightly improved, still mostly fair to poor. Severe freeze damage sustained by wheat, corn in extreme northwest May 26th frost. Damage other areas still being assessed, but is surely not as bad. Heavy infestations of armyworms south central, east central, southeast Kansas wheat. Sorghum, soybean planting slowed by wet fields. Pasture low end of good. Pastures mostly fair west, south central; good elsewhere. Stockwater short parts of central third of State. Approximately 80% alfalfa cut first time. Only trace of alfalfa cut second time; wet weather hampering hay harvest.

KENTUCKY: Temperatures 67°. Highs around 77°, lows around 57°. Precipitation 1.30 in. across State. Heaviest amounts west, up to 3.00 in.

Day suitable for fieldwork 2.3. Soil moisture 5% short, 55% adequate, 40% surplus. Corn planting nearly completed. Height emerged corn 15 in. Tobacco transplanting active, burley 83% set, dark 84% set. Tobacco 1% poor, 22% fair, 66% good, 11% excellent. Increased disease problems with cool, wet weather. Emerged soybeans 37% fair, 63% good. Wheat, barley harvest just beginning. Wind, rain caused lodging in some wheat. Continued cool wet weather hampered hay harvest. Hay crop rated mostly fair, pastures mostly good.

LOUISIANA: Temperatures 2.3 to 5.6° below normal. Extremes 49°; 93°. Rainfall 0.72 in. northeast to 4.93 in. south central.

Days suitable for fieldwork 2.6. Soil moisture 3% short, 30% adequate, 67% surplus. Corn 33% fair, 58% good, 9% excellent; 45% silked, 61% 1991, 37% avg.; 3% dough stage, 8% 1991, 4% avg. Cotton 100% emerged, 78% 1991, 89% avg. Hay 62% first cutting, 24% 1991, 55% avg. Some lost due to heavy rains. Peaches 2% poor, 75% fair, 22% good, 1% excellent; 17% harvested, 10% 1991, 12% avg. Rice 100% planted, 89% 1991, 97% avg. Water weevil problems continued southwest. Sorghum 8% poor, 48% fair, 44% good; 91% emerged, 59% 1991, 82% avg. Soybeans 5% poor, 40% fair, 55% good; 71% emerged, 15% 1991, 43% avg. Some replanting probable, heavy rains. Sugarcane 1% fair, 80% good, 19% excellent. Sweet potatoes 33% fair, 67% good; 37% planted, 44% 1991, 50% avg. Wheat 8% poor, 46% fair, 46% good; 62% harvested, 69% 1991, 73% avg. Livestock 15% fair, 76% good, 9% excellent. Pastures 1% very poor, 3% poor, 8% fair, 88% good. Vegetables 27% fair, 70% good, 3% excellent.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 2.41 in. Temperature 64.8°, normal 69.1°. Extremes 41°; 82°.

Days suitable for fieldwork 4.0. Topsoil 58% adequate, 42% surplus. Subsoil 11% short, 89% adequate. Corn for grain planting virtually complete. Sweet corn 80% planted, 84% 1991, 83% avg. Soybeans 58% planted, 61% 1991, 49% avg. Sorghum 51% seeded, 85% 1991. Small grains good, except oats fair in western areas; barley 75% turned, rye 33% turned, wheat 19% turned, oats just beginning to turn. Pastures mostly excellent. Hay short to adequate supply. Active cutting, baling hay. Light to moderate disease, insect pressure on vegetables, wheat; some strawberries with mildew problems. Melon planting winding down, near normal; vegetable planting behind, nearing completion. Tobacco 80% transplanted, 75% 1991, 59% avg. Picking green peas, strawberries. Fruit set above normal except Eastern Shore near normal. Frost thinned some orchards.

DELAWARE: Precipitation 2.45 in. Temperature 63.7°, normal 69.6°. Extremes 48°; 79°.

Days suitable for fieldwork 4.2. Topsoil 80% adequate, 20% surplus. Subsoil 40% short, 60% adequate. Some standing water in South Delaware. Sweet corn 91% planted, 73% 1991, 89% avg. Soybeans 39% planted, 56% 1991, 49% avg. Sorghum 74% seeded, 90% 1991. Small grains: wheat fair to mostly good, others good, barley virtually all turned, 9% harvested, 34% 1991, 9% avg. Rye 17% turned, wheat just starting to turn. Oats headed, beginning to turn. Pastures mostly excellent. Strawberries, green peas being harvested. Activities: Planting vegetables, melons, cutting, baling hay. Full season soybean, sorghum planting active. Light to moderate disease, insect pressure on small grains, some spraying.

MICHIGAN: Temperatures 5° above to 1° below normal. Extremes 35°; 85°. Precipitation 0.02 to 2.20 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 70% short, 30% adequate. Corn 90% emerged, 90% 1991, 90% avg.; 3% very poor, 10% poor, 35% fair, 45% good, 7% excellent. Soybeans 90% planted, 80% 1991, 85% avg. Winter wheat 30% headed, 75% 1991, 65% avg.; 0% harvested, 0% 1991, 0% avg.; 2% very poor, 8% poor, 35% fair, 45% good, 10% excellent. Dry beans 40% planted, 30% 1991, 25% avg. Pasture condition 65% of normal. Major activities: Assessing crop damage, hay baling, fertilizer spreading, stone picking, weed spraying.

MINNESOTA: Temperatures 0 to 3° above normal. Extremes 36°; 87°. Precipitation 0.08 to 0.81 in. for State, 0.13 in. above normal to 0.95 in. below normal. Greatest weekly total 1.51 in.

Days suitable for fieldwork 6.5. Topsoil 22% very short, 55% short, 22% adequate, 1% surplus. Spring wheat 20% jointing, 47% 1991, 47% avg.; 1% heading, 1% 1991, 3% avg. Oats 44% jointing, 46% 1991, 52% avg.; 1% heading, 2% 1991, 8% avg. Barley 27% jointing, 64% 1991, 44% avg.; 7% heading, 3% 1991, 4% avg. Corn 97% emerged 76% 1991 90% avg.; 38% cultivated once, 8% 1991, 34% avg.; 6 in. avg. height, 6 in. 1991, 7 in. avg. Soybean 90% emerged, 45% 1991, 68% avg.; 17% cultivated once, 2% 1991, 13% avg. Sunflower 94% planted, 97% 1991, 97% avg. Potatoes 86% planted, 98% 1991, 98% avg. Flaxseed 77% planted, 99% 1991, 97% avg. Dry beans 98% planted, 89% 1991, 96% avg. Sweet corn 95% planted, 60% 1991, 80% avg. Alfalfa hay 45% first cutting, 23% 1991, 25% avg.

MISSISSIPPI: No weather data available.

Days suitable for fieldwork 3.7, 4.5 1991, 5.3 avg. Soil moisture 24% short, 60% adequate, 16% surplus. Corn 100% emerged, 69% 1991, 92% avg.; 15% silked, 24% 1991, 14% avg.; 5% poor, 60% fair, 35% good. Cotton 98% planted, 84% 1991, 96% avg.; 97% emerged, 71% 1991, 91% avg.; 16% squaring, 16% avg.; 83% fair, 17% good. Peanuts 78% planted, 62% 1991, 82% avg. Rice 95% emerged, 43% 1991, 82% avg.; 18% poor, 70% fair, 12% good. Sorghum 95% planted, 65% 1991, 88% avg.; 92% emerged, 58% 1991, 84% avg.; 5% poor, 70% fair, 25% good. Soybeans 59% planted, 17% 1991, 46% avg.; 51% emerged, 12% 1991, 33% avg.; 4% poor, 30% fair, 66% good. Sweet potatoes 54% planted, 50% 1991, 76% avg. Watermelons 94% planted, 90% 1991, 96% avg. Wheat 84% mature, 92% 1991, 90% avg.; 16% harvested, 39% 1991, 36% avg.; 16% poor, 42% fair, 41% good, 1% excellent. Hay 44% harvested, 19% 1991, 28% avg. Peaches 32% harvested, 12% 1991, 20% avg.; 26% poor, 47% fair, 27% good. Pecans 25% very poor, 38% poor, 31% fair, 6% good. Livestock 38% fair, 62% fair. Pasture 83% of normal. Activities: Weed, insect control.

MISSOURI: Temperatures near normal northeast to 10° below normal southwest. Rainfall 1.07 in., less than 0.40 in. north central, northeast to well over 1.00 in. southern districts, heaviest southeast, 3.59 in. Dunklin County.

Days suitable for fieldwork 4.7. Topsoil 54% short, 38% adequate, 8% surplus. Driest areas north central, northeastern districts. Subsoil 39% short, 61% adequate. Sorghum, single crop soybean planting continuing 2 weeks ahead of avg. Soybean fields with uneven stands from poor germination in dry soil, mainly northern counties. Army worms spreading in wheat, worst concentrations west central, southwest. Alfalfa first cutting 68%, 62% 1991, 68% avg. Other hay cut 31%, 33% 1991, 38% avg. Pasture 2% very poor, 23% poor, 49% fair, 22% good, 4% excellent.

MONTANA: Temperatures west, southwest 4° above normal, north central, southeast 2° below normal. Light precipitation most areas.

Days suitable for fieldwork 6.0. Topsoil 62% short, 34% adequate, 4% surplus. Subsoil 65% short, 35% adequate. Spring wheat 1% headed, 0% 1991, 3% avg. Barley 2% headed, 2% 1991, 2% avg. Oats 2% headed, 1% 1991, 4% avg. Pasture, range feed 72%, improved 8% last week. North central slightly more than 10% of normal causing livestock movement to areas with pasture feed. Livestock moved to summer ranges 82%. Alfalfa hay 3% harvested, slightly ahead of normal.

NEBRASKA: Temperatures 4° below normal. Scattered precipitation 0.30 in. southwest to over 2.00 in. central.

Days suitable for fieldwork 3.5. Topsoil 22% short, 78% adequate. Subsoil 29% short, 71% adequate. Wheat 13% very poor, 46% poor, 29%

fair, 12% good; 6% turning color, 15% 1991, 15% avg. Corn 3% very poor, 11% poor, 42% fair, 43% good, 1% excellent. Sorghum 2% poor, 41% fair, 55% good, 2% excellent; 90% emerged, 68% 1991, 63% avg. Soybean 1% poor, 30% fair, 67% good, 2% excellent; 95% emerged, 70% 1991, 69% avg. Alfalfa 7% poor, 35% fair, 54% good, 4% excellent; 77% first cutting harvested, 30% 1991, 50% avg. Pasture, range 82% of normal.

NEVADA: High pressure brought very warm temperatures. Cooler air moved into northern areas later, triggered scattered thunderstorms. Air mass was quite dry so rainfall amounts light. Heat, dryness brought evaporation levels in south up to summertime levels. Extremes 30°; 109°.

Irrigation water supplies 50% very short, 45% short, 5% adequate. Small grains fair to mostly good. First cutting alfalfa hay completed many areas. Range, Pasture 52% of normal. Stockwater supplies 80% short. Poor condition of summer ranges causing some livestock movement to other counties, cattle sales.

NEW ENGLAND: Precipitation 0.30 to 0.65 in. extreme northern Maine, 1.00 to 3.40 in. elsewhere north; 2.35 to 7.35 south. Temperatures mid 50s to mid 60s north, high 50s to mid 60s south; 1° below normal to 4° above normal. Maximum temperatures low 70s to high 80s; minimum temperatures mid 30s to low 50s.

Days suitable for fieldwork 5. Soil moisture 28% short, 53% adequate, 19% surplus. Available grazing 4% very short, 8% short, 84% adequate, 4% surplus. Fieldwork progress 3 days behind schedule. Maine potatoes 98% planted, 100% 1991, 94% avg; 15% emerged, 37% 1991, 23% avg.; good. Rhode Island potatoes 100% planted, 93% 1991, 98% avg.; 75% emerged, 76% 1991, 78% avg.; good. Connecticut River Valley potatoes 99% planted, 99% 1991, 97% avg.; 79% emerged, 82% 1991, 82% avg.; fair to good. Maine oats 98% planted, 99% 1991, 93% avg.; 87% emerged; fair to good. Field corn 92% planted, 93% 1991, 86% avg.; 69% emerged, 74% 1991, 66% avg.; good. Sweet corn 88% planted, 82% 1991, 78% avg.; 71% emerged, 70% 1991, 64% avg.; good. First cut hay 25% harvested, 44% 1991, 21% avg.; fair. Shade tobacco 80% transplanted; good. Outdoor tobacco 28% transplanted; good. Apple set, fruit drop average, scab infection light. Pear, peach set average. Cranberries bud stage. Strawberries set average, 1% harvested. Blueberries set average. Major farm activities: Placing animals on pasture. Cutting hay, planting field corn, potatoes, vegetables.

NEW JERSEY: Temperatures near normal. Extremes 42°; 89°. Rainfall 3.32 in. north, 2.41 in. central, 2.15 in. south. Heaviest 24 hour total 5.75 in. on 5th, 6th. Estimated soil moisture in percent field capacity averaged 97% north, 94% central, 88% south. Four-inch soil temperatures averaged 63° north, 64° central south.

Soil moisture content good overall. Planting later vegetables, soybeans, sweet potatoes. Spraying fruit. Harvesting squash, strawberries, iceberg lettuce. Asparagus, spinach, lettuce except iceberg, in moderate supply. Blueberries, strawberries show fruit set. Strawberries, cranberries show some frost damage. Thinning peaches. Light apple crop due to poor pollination. Snap bean, sweet corn, tomato growth delayed 1-2 weeks due to cold weather. Pastures look good.

NEW MEXICO: Except for the northwestern one-third of the State, showery, cool weather persisted. Temperatures 2 to 4° cooler than average across most central, eastern areas. Nearly all stations in these regions reported precipitation under 0.40 in.; once again amounts of 1.00 to 3.00 in. with wind storm damage were reported over the southeastern plains.

Days suitable for fieldwork 4.5. Soil moisture 8% short, 69% adequate, 23% surplus. Crop conditions: Alfalfa, 5% poor, 18% fair, 74% good, 3% excellent. Corn 28% fair, 66% good, 6% excellent. Irrigated sorghum, 50% fair, 40% good, 10% excellent. Dryland sorghum fair condition. Irrigated wheat, 5% poor, 16% fair, 74% good, 5% excellent. Dryland wheat 13% poor, 13% fair, 74% good. Wheat harvest 4% complete, but slowed by wet field conditions. Onions 14% fair, 86% good with harvest active. Lettuce harvest nearly complete. Chile 8% poor, 38% fair, 54% good. Apples 8% fair, 84% good, 8% excellent. Continued reports of hail damage to various crops in all areas of the State. Cattle, sheep fair to excellent. Range, pasture 96% of normal.

NEW YORK: It was wet as a storm moved through southern tier. Rainfall on 31st under 0.25 in. western areas to over 2.00 in. in Susquehanna, Chenango valleys. Residual rain on 1st added another 0.50 in. Temperatures slowly recovered to seasonable levels by 4th. It was dry from 2nd through 4th. Heavy rain late on 5th into 6th in southeastern areas with over 3.00 in. in some locations. Extremes 39°; 89°.

Days suitable for fieldwork 4.6. Soil moisture mostly adequate. Pastures 91% of normal. Hay, wheat good. Corn 85% planted, 90% 1991, 78% avg. Early planted fields up, good condition. Oats 90% seeded, 100% 1991, 97% avg. First cutting of hay progressing slow due to wetness. Apples in Hudson Valley area show good fruit set. Sweet and tart cherries show large crop with excellent fruit size. Thinning efforts on apples active. Growers mowing orchards, doing maintenance work on machinery. Warm weather benefitted vegetables. Sweet corn in southern areas knee high, in good condition. Celery planting on schedule. Onions good. Cabbage transplanting active.

NORTH CAROLINA: Temperatures 1 to 5° below normal with smallest departures occurring along Coast. Precipitation 0.19 to 7.77 in.

Days suitable for fieldwork 3.6. Soil moisture 6% short, 69% adequate, 25% surplus. Crop condition: Wheat 13% fair, 81% good, 6% excellent; pasture 15% poor, 83% good, 2% excellent; tobacco 2% poor, 44% fair, 52% good, 2% excellent; corn 34% fair, 64% good, 2% excellent; cotton 15% poor, 55% fair, 30% good; peanuts 60% fair, 40% good; soybeans 35% fair, 65% good; hay 31% fair, 69% good; Cotton planted 98%, 100% 1991, 99% avg.; peanuts 98%, 100% 1991, 99% avg.; sorghum 66%, 54% 1991, 65% avg.; soybeans planted 57%, 67% 1991, 58% avg.; Wheat harvested 2%, 48% 1991, 24% avg.; oats 9% 47% 1991, 31% avg.; barley 7%, 55% 1991, 38% avg.; rye 13% 46% 1991, 28% avg.; Hay, roughage supplies 90% adequate, 10% surplus. Major activities: Planting cotton, sorghum, soybeans, peanuts; transplanting flue-cured tobacco, sweet potatoes. Other activities: Tending tobacco beds; digging shrubbery; spraying small grains; fertilizing pastures; harvesting hay; tending livestock; cultivating, spraying field crops; equipment repair; general farm maintenance.

NORTH DAKOTA: Cool, light scattered showers across the State. Temperatures 4° below normal west central 1° above normal northeast, Extremes 25° west central; 84° northeast, west central, east central, southeast. Precipitation 0.15 in. north central to 0.72 in. east central, southeast.

Days suitable for fieldwork 6.4. Topsoil 20% very short, 42% short, 38% adequate. Subsoil 17% very short, 34% short, 49% adequate. Spring wheat 6% poor, 16% fair, 71% good, 7% excellent; 31% jointing and beyond, 37% 1991, 36% avg.

Durum 6% poor, 19% fair, 70% good, 5% excellent; 15% jointing and beyond, 19% 1991, 21% avg. Barley 4% poor, 13% fair, 77% good, 6% excellent; 30% jointing and beyond, 43% 1991, 40% avg. Oats 16% poor, 30% fair, 51% good, 3% excellent; 37% jointing and beyond, 32% 1991, 33% avg. Winter wheat 6% poor, 31% fair, 60% good, 3% excellent; 54% boot and beyond, 62% 1991, 59% avg. Sugar-beets 100% emerged, 3 in. avg. height; 98%, 4 in. 1991. Corn 95% emerged, 5 in. avg. height; 88%, 6 in. 1991; 80%, 5 in. avg. Flax 78% emerged, 3 in. avg. height; 80%, 3 in. 1991; 71%, 3 in. avg. Potatoes 50% emerged, 2 in. avg. height; 72%, 3 in. 1991; 70%, 4 in. avg. Soybeans 92% emerged, 3 in. avg. height; 84%, 4 in. 1991; 74%, 3 in. avg. Dry beans 78% emerged, 2 in. avg. height; 84%, 3 in. 1991; 72%, 3 in. avg. Sunflower 51% emerged, 2 in. avg. height; 67%, 3 in. 1991; 58%, 3 in. avg. Post emerged herbicide applications for broadleaf control 54% complete, wild oats 74%. Range, pasture 72% of normal, furnished 92% roughage requirements. Alfalfa hay first cutting 5% complete, other hay 2%. Stockwater supplies 23% very short, 28% short, 49% adequate.

OHIO: Temperatures held steady during the week, near normal values. Some Gulf moisture moved northward into the State resulting in scattered downpours with moderate amounts over most areas. Daytime highs averaged in the mid 70s with mean lows from the mid to upper 50s. Several areas had more than 1.00 in. of rain. Most commonly 0.40 to 0.80 in. fell. A few eastern areas had less than 0.25 in. Rainfall 0.75 in. In general greatest precipitation fell over the southwest with least amounts across the northeast.

Days suitable for fieldwork 3.0. Soil moisture 12% short, 74% adequate 14% surplus. Corn emerged 91%, 99% 1991, 87% avg. Soybeans emerged 71%, 90% 1991, 67% avg. Pasture 1% very poor, 4% poor, 30% fair, 55% good, 10% excellent. Hay 1% very poor, 5% poor, 33% fair, 52% good, 9% excellent. Oats 1% very poor, 6% poor, 30% fair, 55% good, 8% excellent. Strawberry harvest is 11% complete, 70% 1991, 38% average. Cool, wet weather hampered hay curing. Winter wheat headed continues to be much below normal.

OKLAHOMA: Temperatures 3° below normal east central to 7° below normal Panhandle, north central. Precipitation 1.28 in. north central to 3.86 in. southeast.

Days suitable for fieldwork 2.2. Topsoil 20% adequate, 80% surplus. Subsoil 5% short, 95% adequate. Wheat 7% poor, 48% fair, 45% good; 98% soft dough, 93% 1991, 89% avg.; 2% harvested, 21% 1991, 12% avg. Corn 100% emerged, 99% 1991, 97% avg. Crop insect activity mostly light. Livestock insect activity light to moderate. Cattle good; marketings average; prices steady to higher.

OREGON: Temperatures above normal statewide, except in the Enterprise area 1° below normal. Greatest departures 9 to 14°, southwest, south central. Precipitation: dry statewide.

Soil moisture, 79% short, 21% adequate. Winter wheat 2% very poor, 26% poor, 55% fair, 17% good. Barley planting complete. Winter wheat headed 96%. Wheat, barley continue to suffer, dry conditions. Hay harvest ahead of normal, excellent haying; lower yields. Mint harvest starting. Strawberry harvest winding down, red raspberry harvest underway, blueberry harvest getting started; Willamette Valley. Briner cherry harvest underway, Hood River, The Dalles district, sweet cherry harvest near. Cranberry fruit set excellent, berries sizing well, early varieties showing blush of color; southern coast. Most fruit, nut growers irrigating. Pea harvest underway, concern over dryland yields, condition. Some sweet corn, green bean and broccoli planting, Willamette Valley. Eastern ranges,

pastures continue to be extremely dry. Some branding continues. Stockwater shortages continue, eastern areas; hauling water to stock. Pastures beginning to dry up quickly, western areas. Statewide pasture, range 65% of normal.

PENNSYLVANIA: Temperature 68°, 6° above normal. Extremes 39°; 85°. Precipitation 1.01 in., 0.18 in. above normal.

Days suitable for fieldwork 4. Soil moisture 16% short, 72% adequate, 12% surplus. Corn 89% planted, 94% 1991, 83% avg.; 0% silk, 0% 1992, 0% avg.; height 4 in., 7 in. 1991, 4 in. avg.; 1% very poor, 3% poor, 23% fair, 55% good, 18% excellent. Tobacco 30% transplanted, 56% 1991, 33% avg. Soybeans 64% planted, 76% 1991, 53% avg.; 3% very poor, 2% poor, 19% fair, 55% good, 21% excellent. Potatoes 100% planted, 99% 1991, 93% avg. Barley 4% boot, 7% 1991, 86% heading or headed, 69% 1991, 10% turning yellow, 19% 1991, 0% ripe, 5% 1991, 0% harvested, 0% 1991. Wheat 5% boot, 10% 1991, 95% heading or headed, 79% 1991, 0% turning yellow, 9% 1991; 0% ripe, 5% 1991, 0% harvested, 1% 1991; 2% very poor, 3% poor, 18% fair, 52% good, 25% excellent. Oats 100% heading or headed, 99% 1991; 0% turning yellow, 1% 1991; 0% ripe 0% 1991; 0% harvested, 0% 1991; 5% poor, 20% fair, 59% good, 16% excellent. Alfalfa first cutting 46% complete, 68% 1991. Quality of hay made 3% poor, 62% fair, 35% good. Feed from pastures 3% poor, 42% fair, 55% good. Peach 19% below avg., 71% avg., 10% above avg. Apple 9% below avg., 74% avg., 17% above avg. Activities: Spraying corn, small grains; hauling manure; spreading fertilizer; maintaining machinery; planting; cutting haylage; cutting, baling hay; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Temperatures across the State normal along coast to 2° below normal midlands 4° below normal upstate. Average rainfall 1.50 in. statewide.

Days suitable for fieldwork 4.6. Soil moisture 14% short, 81% adequate, 5% surplus. Tobacco fair to good; 12% topped, 11% 1991, 7% avg. Corn fair to good. Cotton fair to good; 2% squaring, 9% 1991, 6% avg. Soybeans fair to good; 44% planted, 44% 1991, 51% avg. Peaches fair; 13% harvested, 8% 1991, 10% avg. Watermelons fair to good. Cantaloupes fair to good. Cucumbers fair to good; 17% harvested, 16% 1991. Snap beans fair to good; 81% planted, 80% 1991, 89% avg. Oats fair to good; 70% ripe, 84% 1991, 77% avg.; 19% harvested, 42% 1991, 36% avg. Wheat fair to good; 64% ripe, 90% 1991, 80% avg.; 9% harvested, 44% 1991, 36% avg. Rye fair to good; 86% turning color, 97% 1991, 92% avg.; 70% ripe, 80% 1991, 72% avg.; 17% harvested, 36% 1991, 28% avg. Barley fair to good; 90% turning color, 94% 1991, 90% avg.; 42% ripe, 74% 1991, 66% avg.; 15% harvested, 32% 1991, 31% avg. Grain hay fair to good; 81% harvested, 76% 1991, 84% avg. Peanuts fair to good. Sorghum fair to good; 40% planted, 50% 1991, 52% avg. Pastures fair to good. Despite rain last week, concerns remain about soil moisture.

SOUTH DAKOTA: Temperatures 1 to 6° below normal. Extremes 26°; 86°. Precipitation 0.50 to 1.80 in. across State except for the northwest. Maximum 1.80 in.

Days suitable for fieldwork 5.6. Topsoil 33% critical, 50% short, 17% adequate. Subsoil 40% critical, 40% short, 20% adequate. Rye 12% very poor, 25% poor, 48% fair, 12% good, 3% excellent. Barley 4% very poor, 24% poor, 45% fair, 25% good, 2% excellent. Oats 4% very poor, 17% poor, 44% fair, 31% good, 4% excellent. Flax 2% very poor, 31% poor, 36% fair, 31% good. Sunflowers 72% planted, 28% 1991, 54% avg. Flax

96% planted, 91% 1991, 85% avg. The lack of moisture continues to reduce crop conditions. Livestock 16% fair, 74% good, 10% excellent. Pasture 69% of normal, little growth due to dry conditions. Water supplies 18% very short, 27% short, 55% adequate. Cattle moved to pasture, 89%.

TENNESSEE: Clouds kept temperatures cool last week, averaging below normal Statewide. Precipitation was heavy, averaging 1.00 to 4.00 in. above normal. Heaviest showers fell in west, middle locations.

Days suitable for fieldwork 3.1. Soil moisture 1% very short, 7% short, 63% adequate, 29% surplus. Sorghum 96% planted, 38% 1991, 72% avg. Soybeans 58% planted, 16% 1991, 46% avg. Tobacco 85% transplanted, 80% 1991, 67% avg.; 3% poor, 23% fair, 74% good. Wheat 95% turning color, 90% 1991, 89% avg.; 2% poor, 34% fair, 61% good, 3% excellent. Alfalfa 92% 1st cutting, 73% 1991, 91% avg. Hay 16% poor, 49% fair, 31% good, 4% excellent.

TEXAS: Wet weather patterns that plagued State most of the spring continued the first week of June. Disturbances at surface, upper levels interacted with moist, unstable air to trigger thunderstorms over the High Plains much of the week. Elsewhere, shower activity caused spotty, heavy rains over the weekend in Hill Country, south central counties. Trans Pecos missed rain until general rain effected all parts of State 7th. Hot temperatures over far South Texas late in week, temperatures near to below normal. For week, all districts reported rain, amounts variable. Totals below normal in the Blacklands, Lower Valley, over an inch above normal in several districts. Temperatures below normal except southern East Texas, Coastal Bend.

Crops: Small grain harvest began in some northern areas of State; however, most areas too wet for activity. On the Plains moist conditions good for most fields, little late for fields ready to be harvested. Some low yields in the Blacklands due to thin stands, leaf rust. Corn fields made excellent progress. Many fields in central, southern portions of the State in dough stage. Northern leaf blight, southern rust could affect yields in South Central Texas, Coastal Bend. Grain sorghum planting picked up as fields dried on the Plains. Midge infestation identified in some fields in Central Texas, Coastal Bend. Most fields in South Texas have headed. In the Blacklands cotton producers applied herbicides and sprayed fields for boll weevils as conditions allowed. Excess moisture has been detrimental to young plants. On the Plains, producers evaluated damage from recent heavy rainfall, cold weather. Acreage affected by seedling disease, blight may be widespread. Plants setting bolls in South Texas. Rice fields sprayed for sheath blight, weed control along Upper Coast. Heavy rains washed out some levies. Peanut fields too wet for planting. Many early-planted fields virtually lost to heavy rains. Planting should resume as fields dry. Soybeans growth slowed by wet conditions. Some plants lost to rain in Upper Coast. In the Blacklands yellowing occurred in some fields.

Commercial Vegetables: In Rio Grande Valley, watermelon harvest continued. Harvest of peas, green beans nearing completion. In East Texas, field work delayed due to wet conditions. Signs of blight evident in some tomato fields. On the High Plains, potatoes nearing maturity. In the Trans-Pecos, chili peppers developing well. Some melons showing signs of mildew in some fields. Spraying for casebearers on pecan trees as conditions allowed. In Central Texas, orchards in low lying areas not sprayed due to area flooding. Few insect, disease problems occurred.

Range and Livestock: Moisture conditions improved ranges, pastures. Weed control, hay baling delayed by wet weather. Livestock conditions steady.

UTAH: Temperature maximums 1° above normal, minimums 2° above normal. Light precipitation all divisions of State.

Days suitable for fieldwork 6.3. Soil moisture 77% short, 23% adequate. Spring wheat jointed or better 96%, 49% 1991. Spring wheat booting or better 75%, 32% 1991, 56% avg. Spring wheat headed or better 52%, 8% 1991. Barley jointed 94%, 69% 1991; booting or better 72%, 49% 1991; headed or better 63%, 8% 1991, 27% avg. Oats jointed or better 75%, 42% 1991, 63% avg.; booting or better 52%, 15% 1991, 32% avg.; headed or better 22%. Winter wheat booting or better 94%, 54% 1991; headed or better 74%, 27% 1991, 57% avg. Corn emerged 96%, 67% 1991; height 14 in., 4 in. 1991, 7 in. avg. Alfalfa 1st cutting 57% complete, 12% 1991, 35% avg. Other hay cut 12%. Sweet cherries picked 9%. Fruit good, 2 to 3 weeks ahead of normal. Cattle moved to summer range 79%, 54% 1991. Sheep moved to summer range 70%, 45% 1991. Pasture, range good to excellent.

VIRGINIA: Temperatures 5 to 8° below normal. Extremes 40°; 85°. Precipitation above normal, ranging from 1.00 to 4.69 in.

Days suitable for fieldwork 3.1. Topsoil 65% adequate, 35% surplus. Pasture 29% fair, 55% good, 16% excellent. Alfalfa 4% poor, 31% fair, 55% good, 10% excellent. Apples fair to good. Potatoes mostly good to excellent. Other hay 2% poor, 46% fair, 41% good, 11% excellent. Corn 96% planted, 96% 1991, 94% avg.; 2% very poor, 4% poor, 45% fair, 43% good, 6% excellent. Soybeans 36% planted, 53% 1991, 48% avg.; 11% poor, 39% fair, 50% good. Peanuts planting completed; 80% fair, 20% good. Flue tobacco 100% transplanted, 100% 1991, 98% avg. Fire tobacco 95% transplanted, 97% 1991, 82% avg. Burley tobacco 46% transplanted, 85% 1991, 66% avg. Sun tobacco 100% transplanted, 100% 1991, 96% avg. Tobacco 36% fair, 54% good, 10% excellent. Barley 1% harvested, 50% 1991, 15% avg. Harvesting barley for silage, cutting hay, spraying fruit, cultivating tobacco, side-dressing corn, spraying potatoes, tomatoes, planting cucumbers.

WASHINGTON: Temperatures 2 to 6° above normal, west; 2 to 6° above normal, east. No rainfall.

Days suitable for fieldwork 7.0. Soil moisture 80% short, 20% adequate. Hay, other roughage 1% very short, 27% short, 62% adequate, 10% surplus. Range, pasture 50% very poor, 30% poor, 20% fair. Winter wheat 4% very poor, 61% poor, 21% fair, 14% good; 85% headed, 73% 1991, 68% avg. Winter barley 7% very poor, 47% poor, 38% fair, 8% good; 68% headed, 34% 1991, 37% avg. Potatoes 98% emerged, 95% 1991, 97% avg. Spring wheat 70% headed, 30% 1991, 30% avg. Corn 99% planted, 95% 1991, 98% avg. Dry beans 85% planted, 81% 1991, 90% avg. Alfalfa hay first cut 69% complete, 44% 1991, 49% avg. Pessimism continues to increase for grain crops. No precipitation received; cooler temperatures, rain needed immediately to prevent significant yield reductions. Alfalfa cutting continues, some second cutting beginning central areas. Weevil damage reported east. Potato crop growth rapid; early crop prepared for vine kill. Asparagus harvest neared completion. Cherries

harvested. Small size, high yields thus far. Apples thinned. Strawberry harvest full swing, labor shortage existed due to early crop. Raspberry harvested west. Carrot seed blooming, green pea harvest begun central areas. Pastures, ranges drying up. Rain needed soon or feed shortages will occur. Range water supplies very poor.

WEST VIRGINIA: Temperature 64°. Extremes 43°, 87°. Precipitation 1.28 in.

Days suitable for fieldwork 2.3. Soil moisture, 8% short, 68% adequate, 24% surplus. Tobacco good; 95% set. Gardens fair to good; 74% planted, 60% emerged. Wheat excellent; 75% jointed, 70% headed. Barley good, 99% headed. Corn good; 85% planted, 80% emerged. Oats good; 75% planted, 70% emerged. Hay 16% poor, 28% fair, 40% good, 16% excellent, 15% first cut. Apples good. Peaches good. Pastures 8% poor, 16% fair, 56% good, 20% excellent; 87% of normal. Cattle good. Sheep good. Farm activities: General maintenance, planting soybeans, cutting hay, setting tobacco, fencing, working cattle.

WISCONSIN: Temperature 64°; 2° above normal. Extremes 38°; 89°. Precipitation trace to 0.60 in.

Days suitable for fieldwork 6.8. Soil moisture 87% short, 13% adequate. Pasture 69% of normal, 91% 1991, 79% avg. General condition of crops 14% poor, 45% fair, 41% good. Oats 1% headed, 0% 1991, 5% avg.; 3% very poor, 12% poor, 37% fair, 47% good, 1% excellent. Corn 98% planted, 92% 1991, 96% avg.; height 6 in., 7 in. 1991, 7 in. avg.; 1% very poor, 11% poor, 47% fair, 41% good. Soybeans 94% planted, 84% 1991, 83% avg. First crop hay 32% harvested, 23% 1991, 27% avg. Winter wheat 60% very poor, 28% poor, 8% fair, 4% good.

WYOMING: Temperatures normal to slightly above normal; exception was southwestern corner where temperatures were slightly above normal. Widespread rain, yet precipitation was 0.10 to 0.50 in. below normal over most of the State. Central areas above normal by 0.10 to 0.70 in.

Days suitable for fieldwork 5.4. Topsoil 40% short, 60% adequate. Subsoil 76% short, 24% adequate. Spring wheat 98% emerged, 91% 1991, 97% avg.; 32% jointed not in boot, 12% boot, 6% headed. Oats 90% emerged, 87% 1991, 91% avg.; 31% jointed not in boot, 8% boot, 2% headed. Barley 98% emerged, 92% 1991, 95% avg.; 23% jointed not in boot, 20% boot, 21% headed. Sugarbeets 92% emerged, 89% 1991, 96% avg. Corn 97% planted, 87% 1991, 93% avg.; 80% emerged, 69% 1991, 74% avg. Potatoes 87% planted, 93% 1991, 91% avg.; 57% emerged, 43% 1991, 62% avg. Dry beans 82% planted, 39% 1991, 62% avg.; 24% emerged, 22% 1991, 29% avg. Winter wheat 10% emerged not jointed, 22% jointed not in boot, 19% boot, 49% headed. Winter wheat 31% poor, 63% fair, 6% good. Sugarbeet 10% poor, 34% fair, 56% good. Barley 7% poor, 5% fair, 76% good, 12% excellent. Spring wheat 9% poor, 45% fair, 46% good. Potato 86% fair, 14% good. Corn 54% fair, 46% good. Oat 6% poor, 33% fair, 61% good. Dry bean 30% fair, 70% good. Alfalfa 35% poor, 20% fair, 45% good. Sugarbeet acreage thinned 27%. Alfalfa: percent of first cutting completed 3%. Condition of cattle 8% fair, 87% good, 5% excellent. Calves 8% fair, 87% good, 5% excellent. Sheep 8% fair, 87% good, 5% excellent. Lambs 8% fair, 87% good, 5% excellent. Range livestock moved to summer ranges: cattle, calves 65%; sheep, lambs 63%. Range, pastures good to excellent.

International Weather and Crop Summary HIGHLIGHTS

May 31 - June 6, 1992

FSU: Widespread rain continues to benefit crops in Ukraine and North Caucasus. Persistent dryness covers Black Soils Region and middle Volga. In the **New Lands**, widespread light to moderate precipitation benefits spring grains.

EUROPE: Widespread rain helps crops in the northwest and in Hungary.

SOUTH AMERICA: Heavy rains cause additional flooding in extreme southern Brazil. Excellent fieldwork weather continues across Argentina.

AUSTRALIA: Topsoils are becoming dry in the western grain areas.

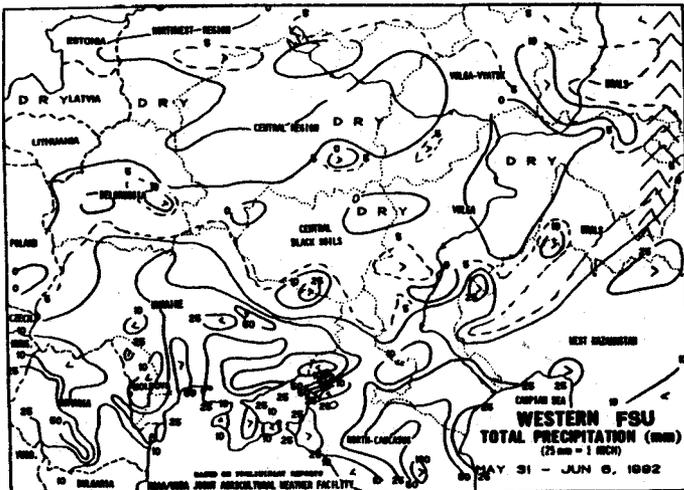
CANADA: Moisture improves for spring crop germination over most of the Prairies. Spring grains and oilseed plantings progress.

EASTERN ASIA: Continued dryness and heat deplete topsoil moisture for summer crops across the North China Plain.

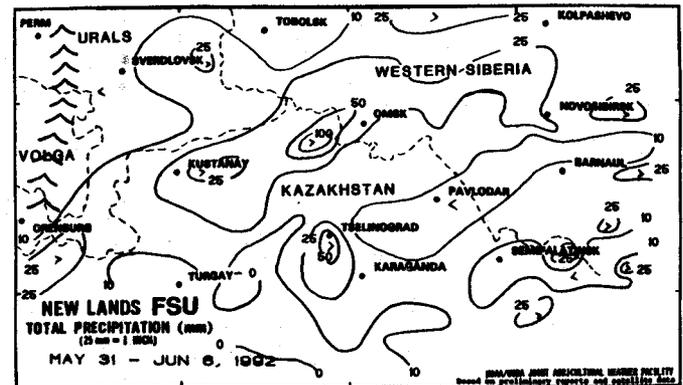
SOUTHEAST ASIA: Widespread showers continue across the region, but pockets of hot, dry weather persist over Thailand.

SOUTH ASIA: The southwest monsoon brings beneficial rain to southern India, improving summer crop planting prospects.

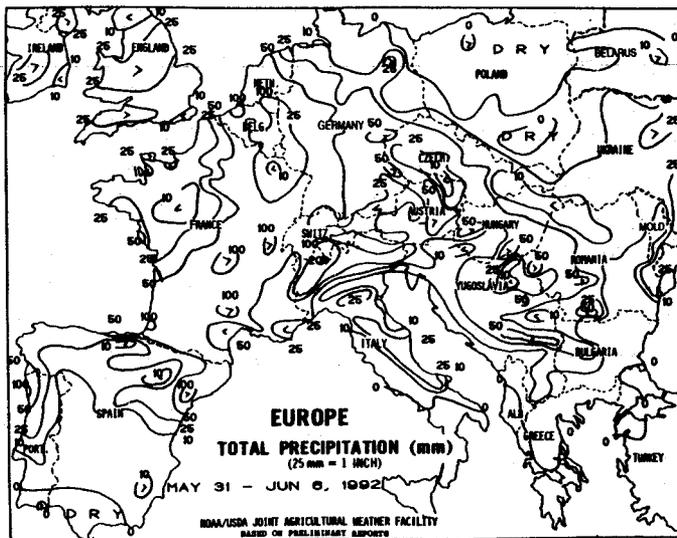
MEXICO: Favorable growing conditions continue.



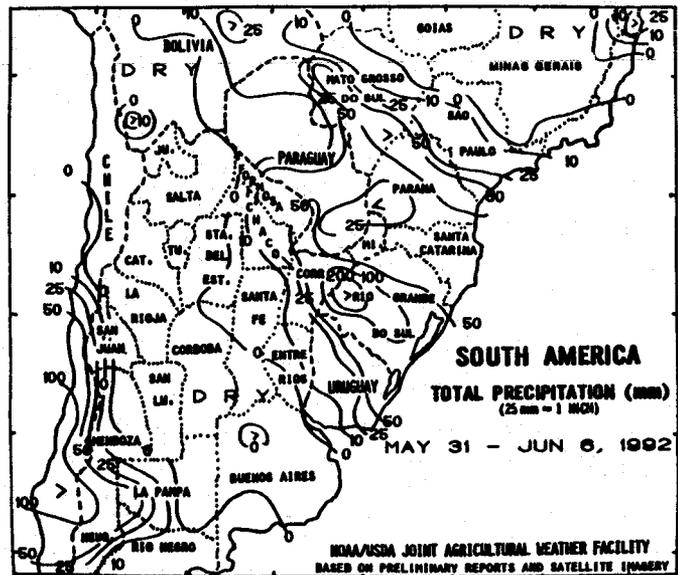
FSU: In western crop areas of the former Soviet Union (FSU), widespread light to moderate rain continued to provide adequate to abundant moisture for crops in Ukraine and North Caucasus. Greatest amounts of rain (25-50 mm, with local amounts in excess of 80 mm) fell over central and southern Ukraine, and southern North Caucasus. Reports indicate the heavy rain that covered Stavropol Oblast, North Caucasus caused some flooding. Further north, the sixth consecutive week of dry weather covered the eastern half of Black Soils Region, the southern portion of Central Region and Volga Vyatsk Regions, and the middle Volga. Rain is needed to alleviate increasing stress on crops. Continued unseasonably cool weather over most of the major grain-producing areas has slowed crop development, and, as a result, crop progress is lagging behind normal. Crop progress for winter grains ranged from jointing in the north to reproduction in the south. Spring barley was in the jointing stage, while corn ranged from emergence to early growth.



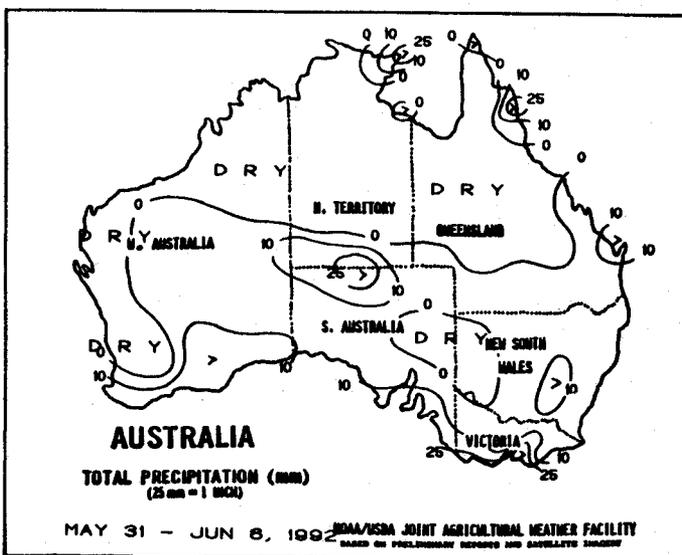
In the **New Lands**, crop progress for spring grains ranged from emergence in the north to tillering in the south. Widespread light to moderate precipitation benefited spring grains over most of the region. Greatest amounts of moisture (25-50 mm, with local amounts in excess of 50 mm) fell in a band that stretched northeastward from western Kazakhstan, through central Kazakhstan, into crop areas around Omsk, Western Siberia. Average temperatures were 2-5 degrees Celsius (C) below normal in western and central areas, slowing crop emergence and early growth. Near-normal temperatures covered the east. Although subfreezing temperatures (minimum temperatures ranging from -1 to -3 degrees C) on several nights over the eastern portion of the upper Volga, northern Urals, and parts of Western Siberia had little impact on spring grains, some damage to tender vegetable crops likely occurred.



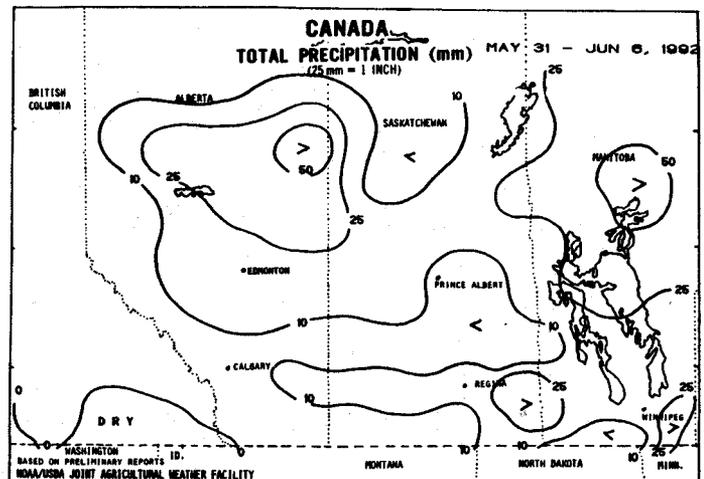
EUROPE: Widespread, locally heavy rain fell over most crop areas, except in Poland and along the Mediterranean region, where mostly dry weather prevailed. Rainfall averaged 50-100 mm over much of southern and eastern France, the Benelux countries, western Germany, and extreme northern Italy. Isolated soaking rain (100-215 mm) was scattered over southern France, northwestern Italy, and northern coastal portions of the Iberian Peninsula. Beneficial moisture (10-50 mm) for agriculture covered a broad area of Europe from the United Kingdom in the northwest to western Romania in the southeast. Significant rain (10-65 mm) reached the moisture-deficient crop areas of Hungary as well. The recent moisture helped immature winter grains throughout northern crop areas and boosted topsoil moisture for summer crop establishment. The wet weather pattern missed virtually all of Poland. Dry weather prevailed in the Mediterranean region, which is normally dry during the summer months. High temperatures in the upper 20's C across the northeast dried topsoils in Poland.



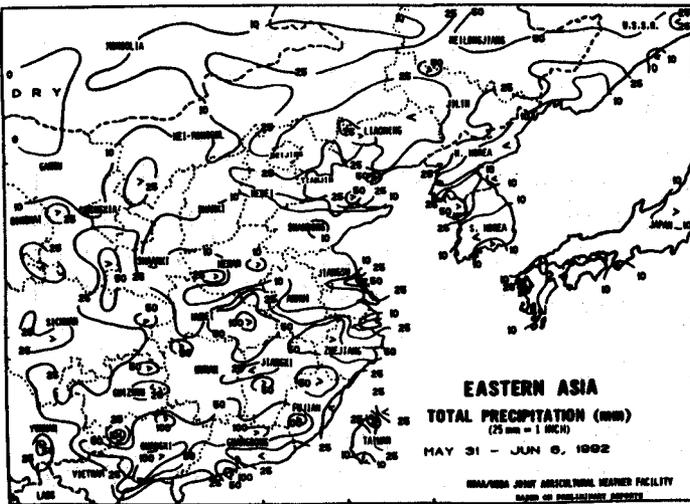
SOUTH AMERICA: Favorably dry weather continued across central Argentina, aiding summer crop harvesting and winter wheat planting. Soybean harvesting ranged from 60 to 75 percent completed. Moderate to heavy rain (36-72 mm) fell across extreme northern Argentina and southern Paraguay, aggravating flooding along the Paraguay and Parana rivers. In southern Brazil, heavy rain (110-200 mm) fell across southern Rio Grande do Sul, causing flooding. Dry weather continued across northern Sao Paulo and south-central Minas Gerais, aiding coffee and citrus harvesting. Moderate to heavy rain (41-167 mm) covered central Chile, favoring summer crops and irrigation levels. Temperatures averaged 1-3 degrees C above normal across central Argentina and southern Brazil.



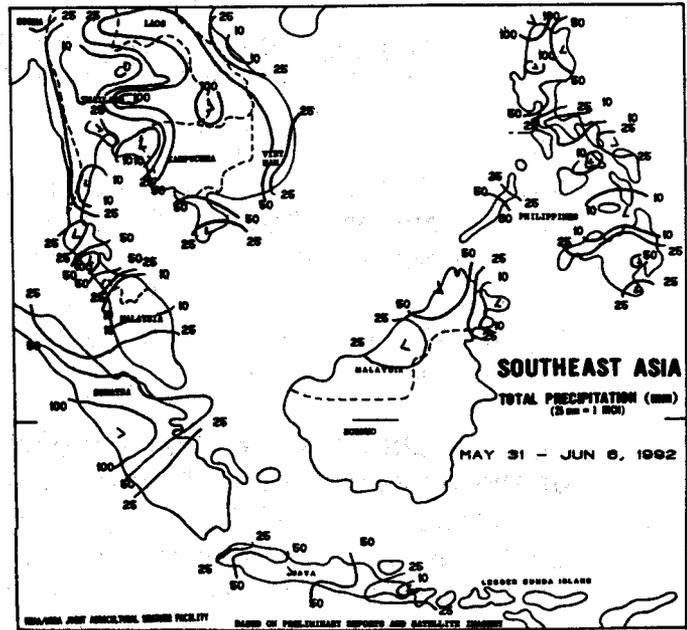
AUSTRALIA: Dry weather aided planting across the western winter grain region, but topsoil moisture is becoming limited. Scattered light rain (4-17 mm) fell across the eastern grain areas, favoring topsoil moisture. Temperatures averaged 1-2 degrees C below normal across the west and 1-2 degrees C above normal in the east.



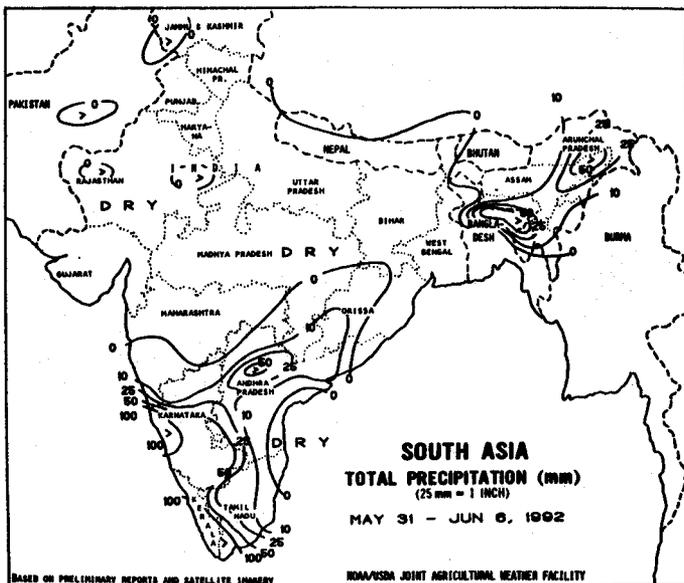
CANADA: Moderate showers (10-42 mm) covered most primary Prairie grain and oilseed areas, although dryness persisted over north-central Saskatchewan and in many locations along the U.S. border. While the moisture was beneficial for germination, periods of dry weather allowed planting to progress to over 90 percent completed. Temperatures averaged 2 degrees C below normal over much of Saskatchewan, but frost was limited to only isolated areas. In Ontario, moderate rain (10-26 mm) and seasonably warm weather favored winter wheat in, or nearing, the heading stage.



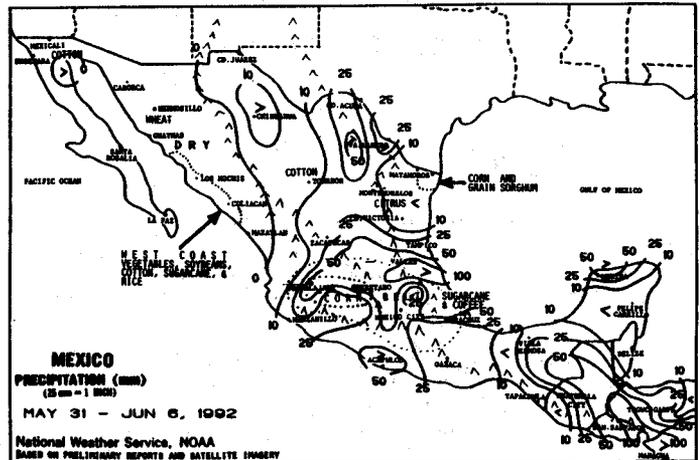
EASTERN ASIA: Moderate to heavy rain (17-72 mm) covered Manchuria, favoring germinating corn and soybeans. Light to moderate rain (16-35 mm) fell across most of Hebei and northern Shanxi, favoring topsoil moisture for summer crops. However, further south, drier weather (2-7 mm) prevailed from southern Hebei to northern Anhui, where topsoil moisture is becoming limited for germinating summer crops. Maximum temperatures across the North China Plain ranged from 35-39 degrees C, further drying out topsoils. The northwestern and western grain areas (Gansu, western Nei Mongol, and Sichuan) received light to moderate rain (14-52 mm), aiding topsoil moisture. Scattered moderate to heavy showers covered southern China, keeping rice irrigation supplies high, but causing flooding across the extreme south (Guangxi to Fujian). Temperatures averaged 1-3 degrees above normal across most of China and slightly below normal in Manchuria.



SOUTHEAST ASIA: Seasonable shower activity continued across much of Indochina, but pockets of hot, dry weather persisted in northern and central Thailand, stressing newly planted corn and rice. It was the second consecutive week that rainfall averaged less than 25 mm and high temperatures ranged from 38 to 42 degrees C from the Northern Hills southward to Bangkok. In contrast, beneficial rain (25-125 mm) continued over Thailand's eastern rainfed rice areas, including much of the Khorat Plateau and eastern portions of the Corn Belt. In the Philippines, moderate to heavy showers (25-100 mm or more) covered primary crop areas of Luzon and Mindanao, but drier conditions prevailed over most locations in the drought afflicted Visayans.



SOUTH ASIA: The southwest monsoon was becoming established over India's southern tip by week's end, resulting in heavy rain (50-169 mm) along the southwest coast and lighter amounts (10-91 mm) over interior crop regions. Mostly dry weather prevailed elsewhere, except for isolated regions of Bangladesh and far eastern India, which reported heavy showers (50-88 mm). Temperatures averaged above normal over a broad area of central



MEXICO: Moderate to heavy rain (16-130 mm) fell across the southern Plateau corn belt, favoring corn and eastern sugarcane and coffee. Extreme southern Mexico benefited from tropical showers (11-69 mm).

and northern India, with highs in the low to middle 40's C common from Gujarat to Bihar. Main-season grain, oilseed, and cotton planting is typically in full swing in southern India during June with the arrival of the monsoon. From about Madhya Pradesh north and westward, planting occurs during July as the monsoon progresses northward.

THE DEMISE OF THE EL NIÑO?

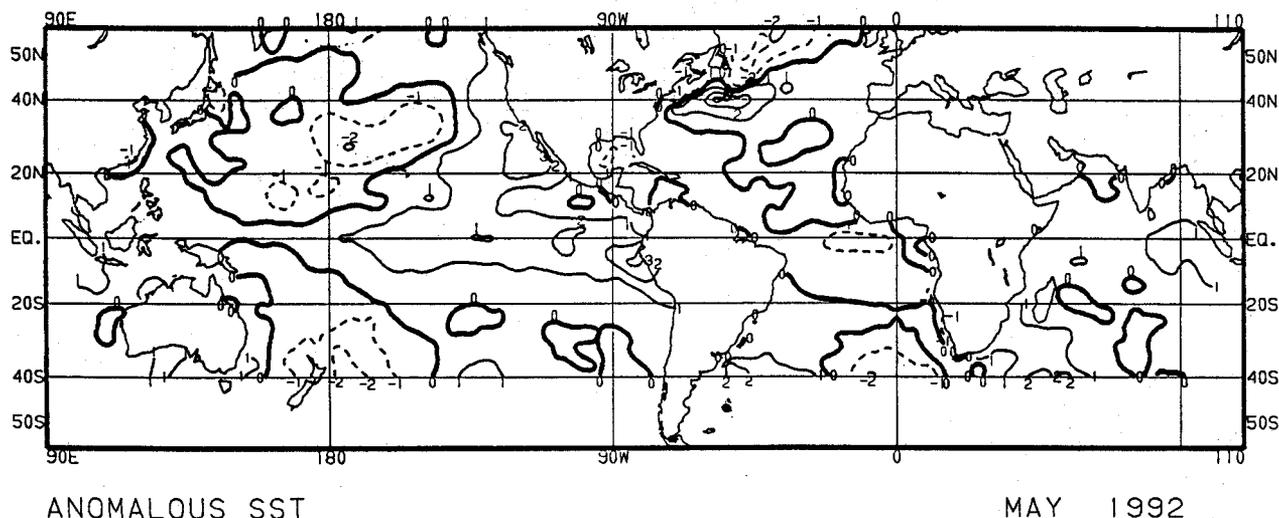
The latest data from the Pacific basin suggest that the 1991-92 El Niño event is in its final stages. The May Southern Oscillation Index (Tahiti-Darwin SOI) climbed back to normal (0.0). This was the first time the SOI has been at, or above, zero since January 1991. The May reading follows a value of -1.4 in April and -3.0 in March. However, any rush to judgment on the El Niño's demise must be tempered by other indicators which have yet to swing back to normal.

Figure 1 shows anomalous sea surface temperatures ($^{\circ}$ C) for May. A large area of the eastern tropical Pacific remained $1-2^{\circ}$ C above normal, with still higher temperatures ($+2-3^{\circ}$ C) along the coast of Peru and Ecuador, as well as Baja California. As a result, there were widespread rainfall anomalies across the Pacific basin. Figure 2 shows the outgoing longwave radiation anomalies for May as revealed by satellite. The solid contours correspond to areas of above-normal cloudiness and rainfall, while the dashed contours correspond to below-normal cloudiness and rainfall. Note that rainfall was greatly enhanced across much of the equatorial Pacific, especially near the dateline and in the east. Dry weather prevailed across Southeast Asia. As is typical during El Niño's, bands of heavy rainfall branched out from the equatorial Pacific, northeastward toward Mexico, and southeastward toward southern Brazil.

In Southeast Asia, a consequence of this event is drought in Thailand. One of the worst spring droughts on record is affecting crops in western Thailand. Figure 3 shows April to May cumulative rainfall in Bangkok since 1931. Only 1958 and 1983 were drier than 1992. All three years, plus the fourth driest, 1969, were El Niño years (indicated by the solid bars). Only 2 of the 12 El Niño years saw rainfall above the 1961-90 mean (indicated by the horizontal line).

Douglas Le Comte

Figure 1



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Figure 2

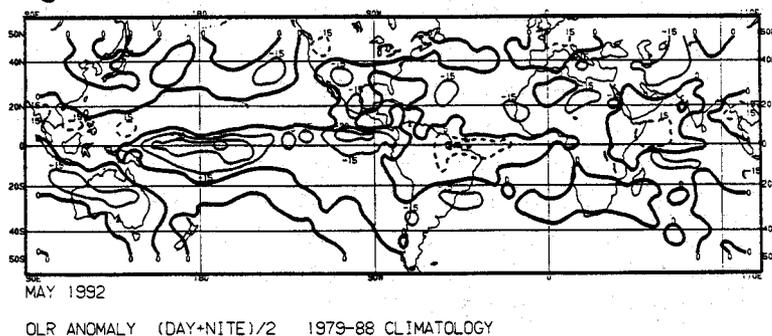
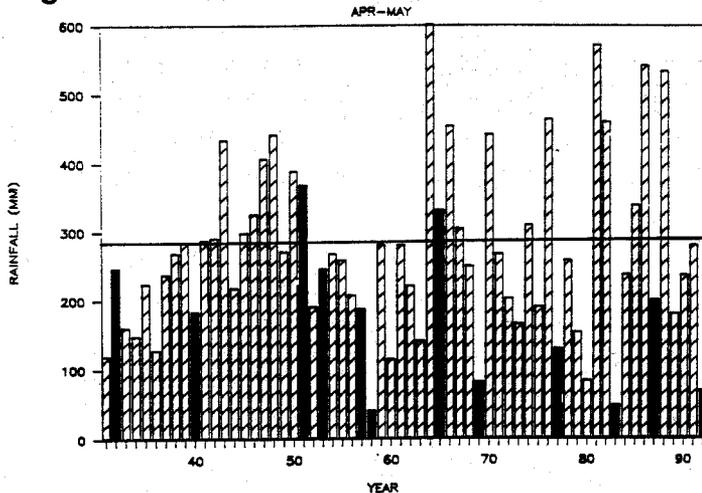


Figure 3 BANGKOK RAINFALL (MM)



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