

WEEKLY WEATHER AND CROP BULLETIN

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

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

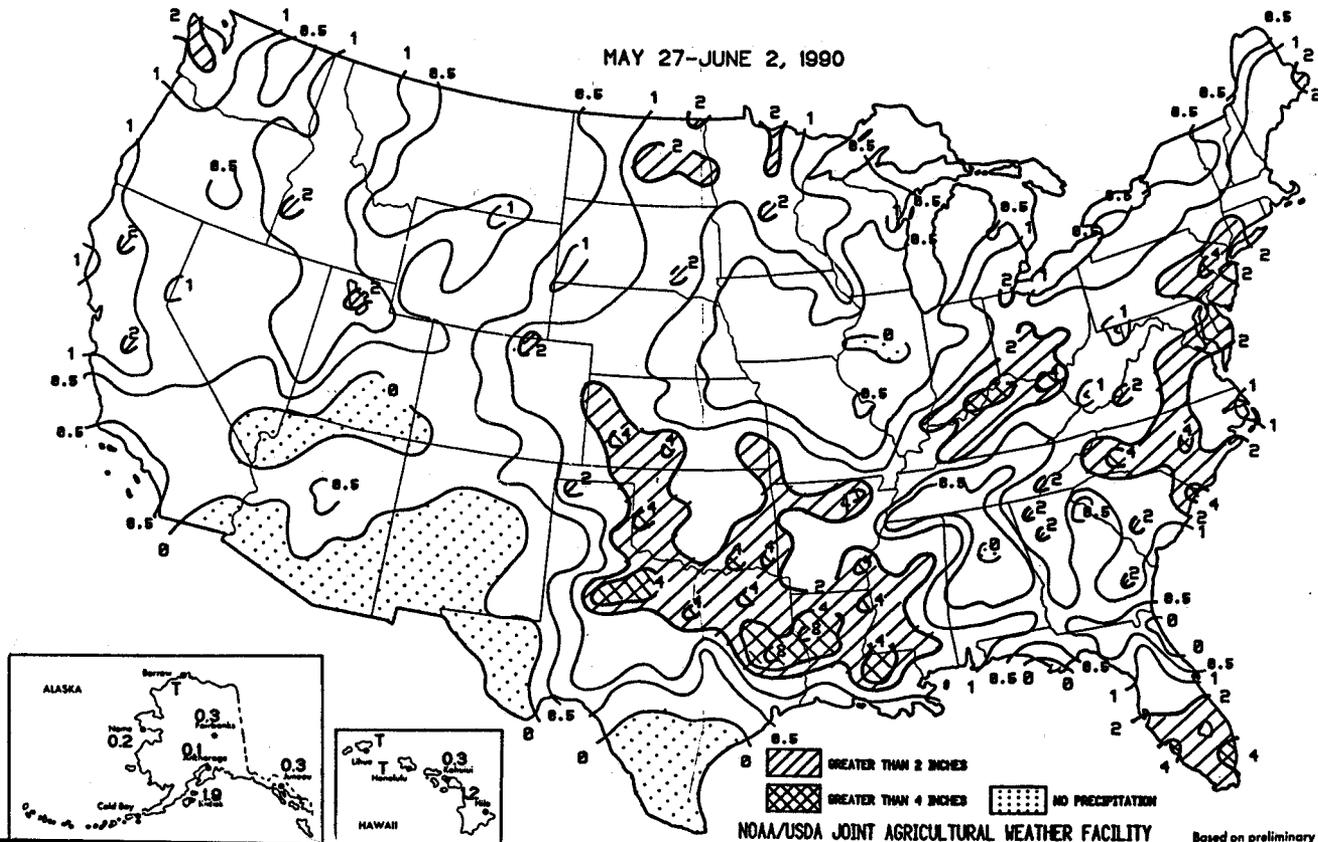
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Washington, D.C.

June 5, 1990

TOTAL PRECIPITATION, INCHES

MAY 27-JUNE 2, 1990



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

HIGHLIGHTS

May 27-June 2, 1990

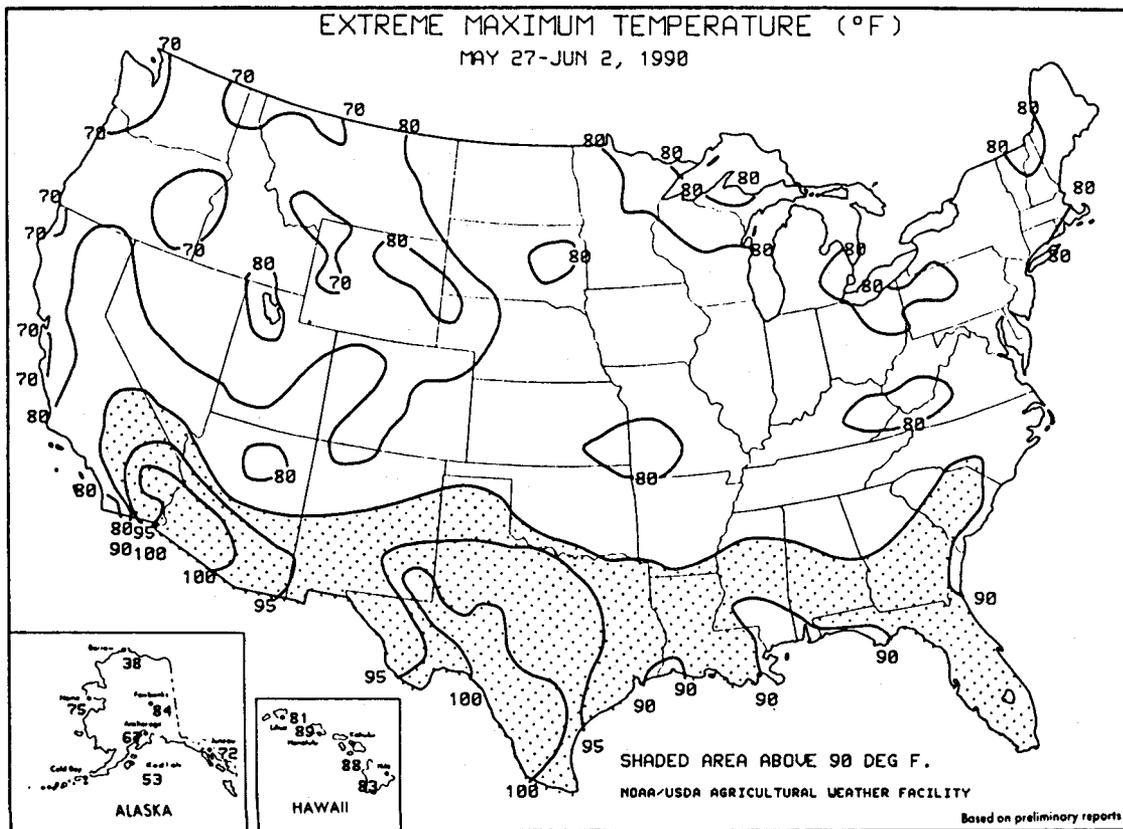
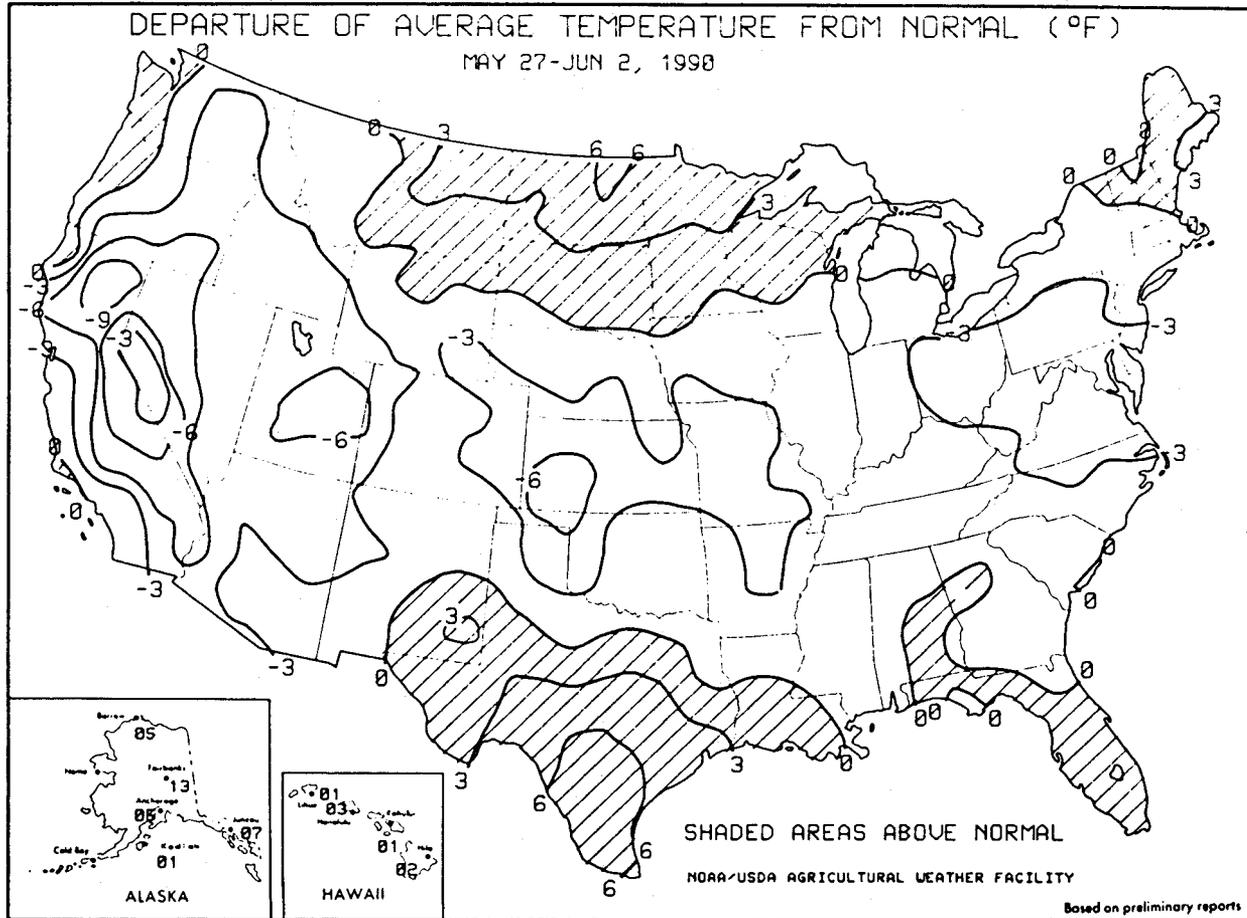
Notwithstanding severe storms at the week's end, a relatively dry week allowed crop planting to progress and fields to begin drying out in the **Midwest**. However, the rain-soaked **southern Plains** and **Gulf coast** experienced no relief as over 8 inches fell on **Texas** and **Louisiana**. These storms also spread beneficial precipitation over the **Pacific Northwest**, the **northern Plains**, and **southern Florida**. Unseasonable rains relieved long-term dryness but damaged crops in **California**. The worst tornado outbreak in **Indiana** since 1974 spawned at least 54 tornadoes within about 5 hours time Saturday evening and over 100 throughout the **Midwest** Saturday afternoon and evening. Unseasonably cool weather chilled the **West**, generating up to 2 feet of snow in the higher elevations of the **Sierras**. Cooler-than-normal temperatures also

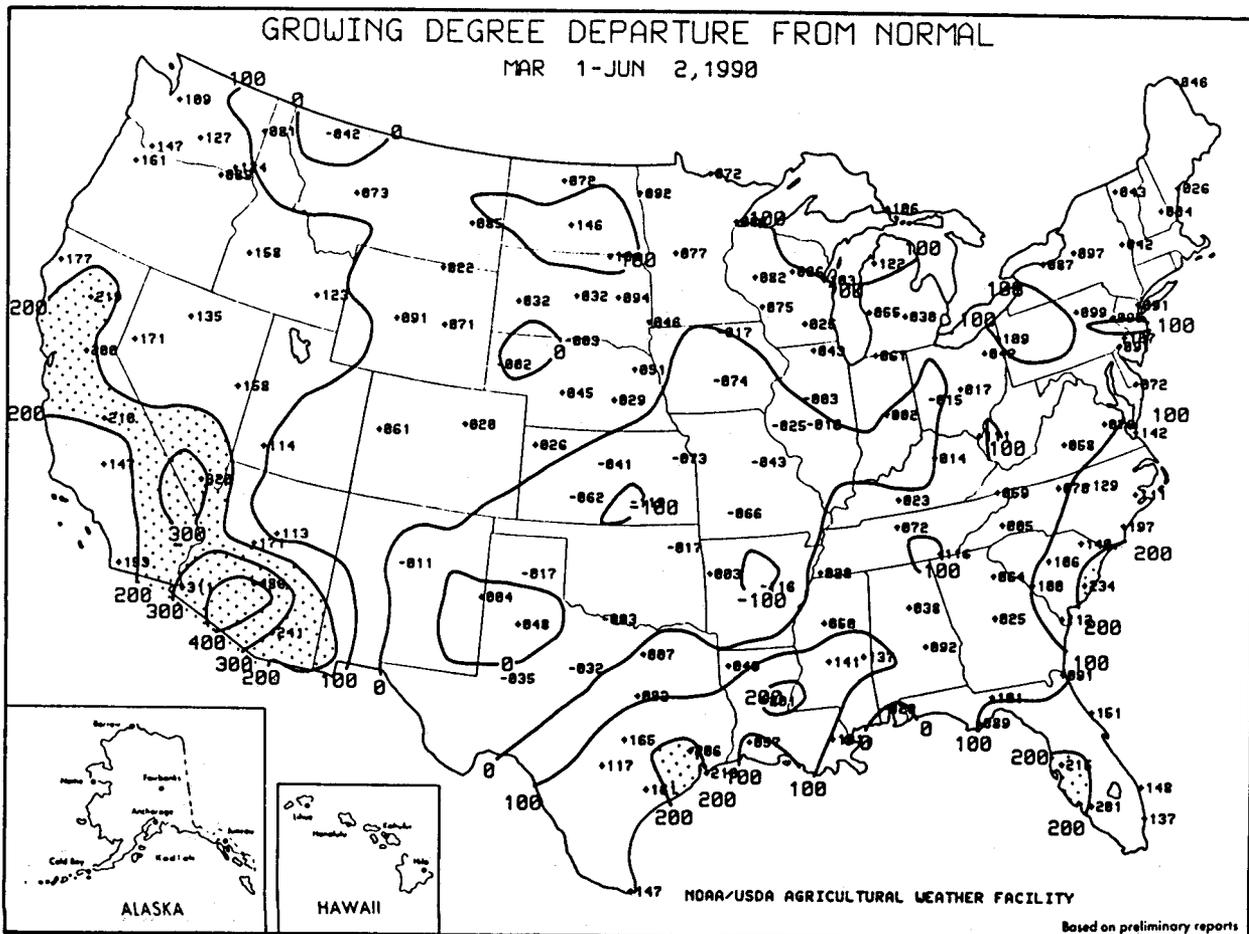
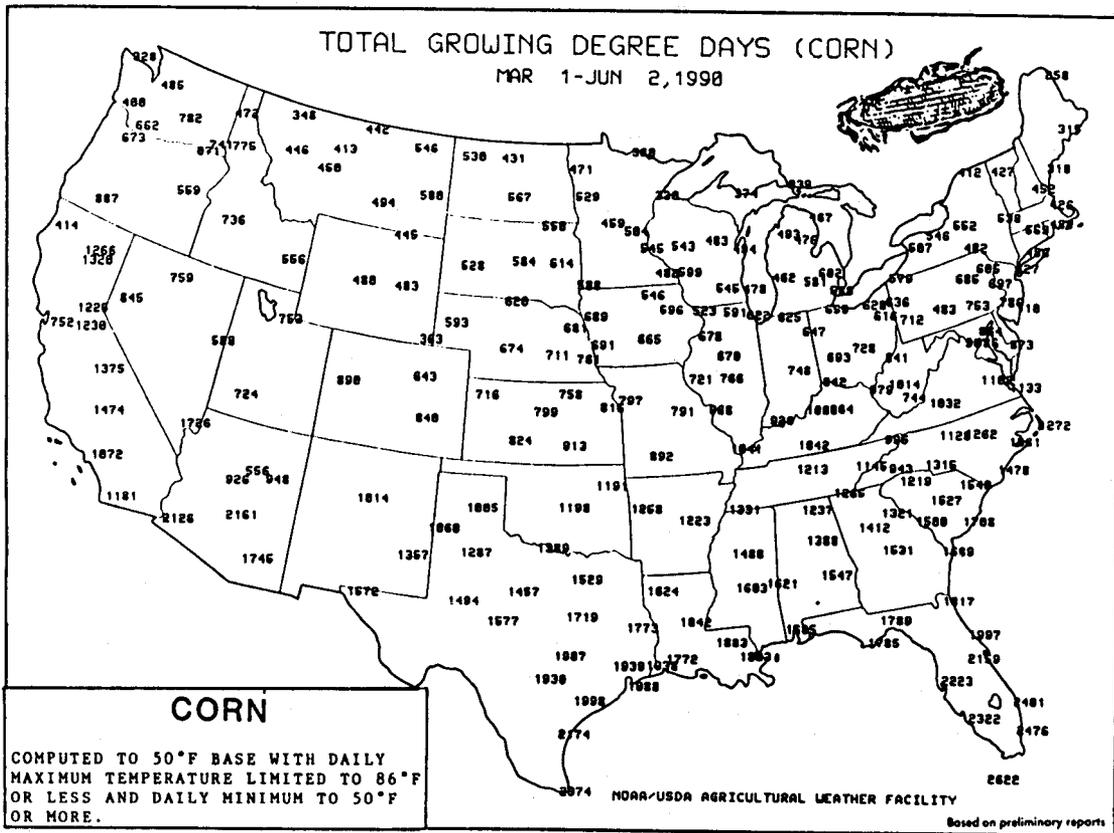
accompanied the rainfall across the Nation's midsection and the mid-Atlantic.

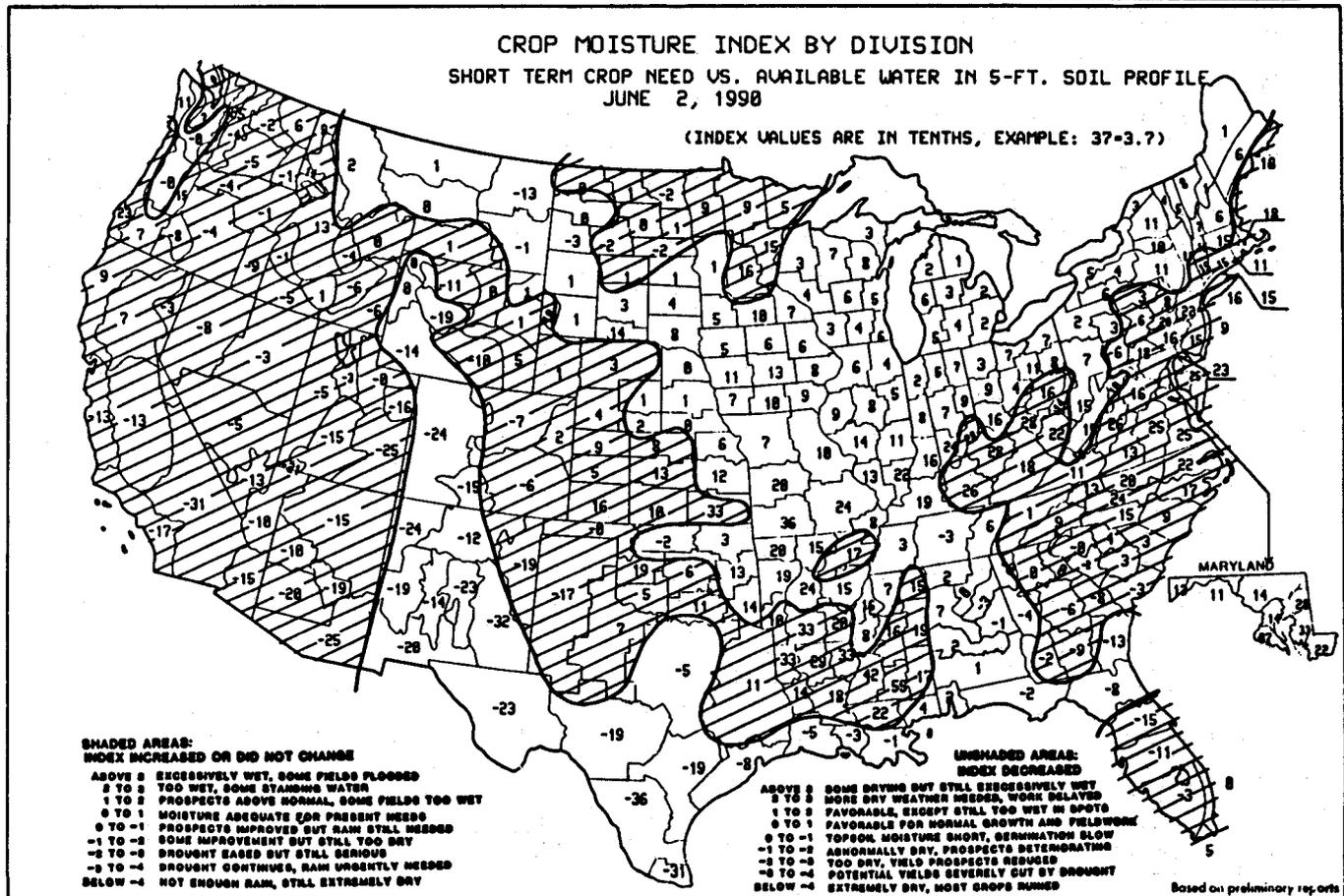
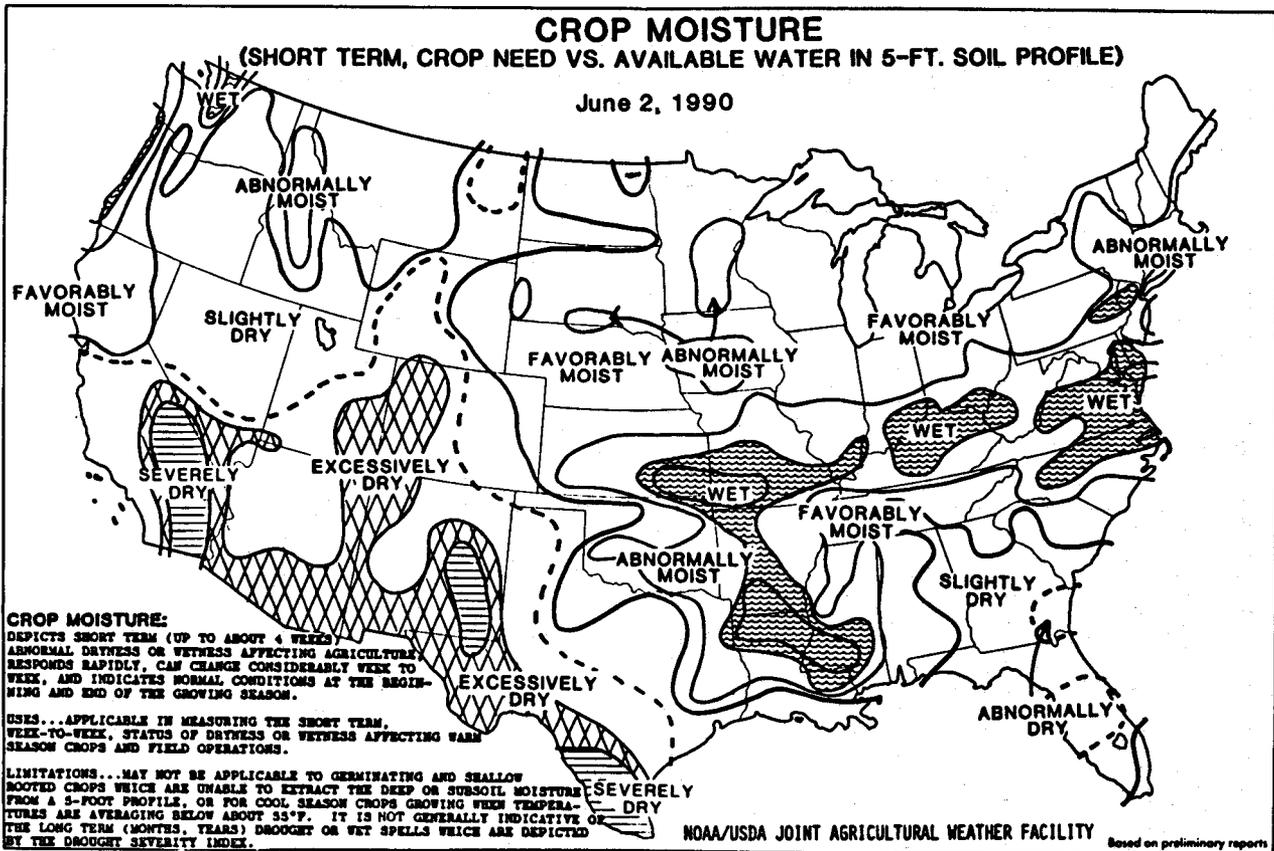
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National Weather Data for Selected Cities

Weather Data for the Week Ending June 2, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP.		
																		.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	82	63	89	52	73	-1	7	-9	7	7	0	26.6	101	92	51	0	0	0	0	
MOBILE	86	65	89	60	76	-2	8	-4	6	6	177	39.3	146	94	51	0	0	0	1	
MONTGOMERY	86	63	91	54	75	-1	1	-7	1	1	45	38.2	165	94	46	1	0	0	3	
AK ANCHORAGE	63	48	67	45	55	1	1	-1	1	1	100	4.4	126	86	48	0	0	0	3	
BARROW	35	29	38	28	32	5	5	0	7	7	0	4.4	51	100	90	0	7	0	0	
FAIRBANKS	79	56	84	50	68	13	3	-1	2	2	250	2.0	87	80	32	0	0	0	3	
JUNEAU	65	48	72	45	57	7	5	-2	5	5	90	19.8	115	97	46	0	0	0	0	
KODIAK	51	44	53	38	47	1	1.9	-2	3	3	55	26.5	111	98	84	0	0	0	1	
NOME	65	46	75	40	55	14	2	0	0	0	0	5.2	174	85	53	0	0	0	7	
AZ PHOENIX	92	66	101	61	79	5	1	-1	1	1	0	0	88	87	15	5	5	0	0	
PRESCOTT	74	44	87	37	59	2	1	-1	1	1	0	0	2.2	77	56	19	0	0	0	0
TUCSON	93	59	100	56	76	2	2	-1	2	2	0	0	4.6	85	38	10	0	0	0	0
YUMA	92	65	104	57	79	4	0	0	0	0	0	0	2.2	85	38	10	0	0	0	0
AR FORT SMITH	81	62	85	58	71	-2	1.3	-3	5	5	93	37.9	217	97	53	0	0	0	2	
LITTLE ROCK	79	62	85	59	70	-4	1.1	-1	7	7	36	35.4	152	95	65	0	0	0	1	
CA BAKERSFIELD	78	55	87	51	66	6	3	-2	2	2	0	0	2.6	69	95	43	0	0	0	2
EUREKA	62	51	69	46	56	6	1.6	1.4	6	6	0	0	20.2	93	90	71	0	0	0	2
FRESNO	75	54	86	51	65	2	1.4	1.4	1.2	1.2	0	0	7.4	107	88	37	0	0	0	1
LOS ANGELES	68	56	74	54	62	-2	8	-8	8	8	0	0	5.1	61	90	57	0	0	0	1
REDDING	69	52	82	42	61	-12	2.1	1.9	7	7	0	0	19.0	80	90	51	0	0	0	3
SACRAMENTO	73	52	82	41	62	-6	3	-3	3	3	0	0	10.1	96	93	45	0	0	0	1
SAN DIEGO	69	59	76	58	64	0	3	-3	3	3	0	0	5.1	79	84	58	0	0	0	1
SAN FRANCISCO	65	52	69	50	59	0	1.3	1.2	9	9	0	0	7.9	64	93	59	0	0	0	1
CO DENVER	73	48	80	45	62	1	1.1	-6	8	8	0	0	6.9	103	82	36	0	0	0	1
GRAND JUNCTION	76	47	85	35	62	1	1	-1	0	0	0	0	3.0	89	58	17	0	0	0	0
PUEBLO	78	49	85	44	63	0	6	-3	5	5	50	0	6.3	172	86	31	0	0	0	0
CT BRIDGEPORT	72	53	79	46	63	0	1.6	-9	1.5	1.5	0	0	19.7	113	84	47	0	0	0	1
HARTFORD	76	48	88	42	62	-2	1.5	-7	8	8	0	0	20.8	113	92	38	0	0	0	2
DC WASHINGTON	73	56	83	52	64	-6	1.5	0	1.4	1.4	0	0	16.1	105	93	57	0	0	0	1
FL APALACHICOLA	87	66	90	58	73	-1	0	-8	0	0	0	0	13.3	75	97	54	1	0	0	0
DAYTONA BEACH	89	70	95	64	79	0	7	-1	1	1	0	0	11.9	82	92	56	0	0	0	0
JACKSONVILLE	89	64	95	58	77	-1	1	-1.0	1	1	0	0	9.0	51	91	43	3	0	0	0
KEY WEST	88	75	92	74	83	2	4.1	3.1	3.5	3.5	0	0	8.7	87	91	68	1	0	0	2
MIAMI	88	71	93	68	81	2	4.0	2.1	2.9	2.9	7	0	18.5	114	93	60	4	0	0	2
ORLANDO	91	71	93	68	81	2	1.0	-2	7	7	187	9.3	62	94	49	4	0	0	1	
TALLAHASSEE	90	65	94	54	76	1	6	-7	5	5	135	19.7	79	96	42	4	0	0	3	
TAMPA	91	71	94	69	81	2	1.2	-2	6	6	314	11.0	78	94	52	5	0	0	1	
WEST PALM BEACH	89	74	95	70	82	0	3.7	2.0	2.7	2.7	6	0	14.1	80	98	61	4	0	0	2
GA ATLANTA	82	64	86	57	73	0	1.8	-9	1.1	1.1	14	34.6	145	87	50	0	0	0	3	
AUGUSTA	85	60	94	51	72	-2	5	-4	3	3	13	10.4	52	95	45	1	0	0	0	
MACON	85	63	94	53	74	-2	6	-3	5	5	204	17.5	81	91	45	1	0	0	0	
SAVANNAH	84	65	88	58	75	-1	1.0	-1	8	8	53	14.8	81	92	48	0	0	0	3	
HI HILLO	82	69	83	68	76	2	1.2	-5	5	5	18	67.5	114	93	64	0	0	0	5	
HONOLULU	88	73	89	73	80	3	7	-2	7	7	0	0	9.9	78	76	47	0	0	0	0
KAHULUI	85	70	88	68	77	1	3	-2	3	3	0	0	13.5	120	94	61	0	0	0	0
LIHUE	81	73	81	72	77	1	7	-5	7	7	8	0	18.8	91	84	69	0	0	0	2
ID BOISE	66	48	73	36	57	-4	2.8	2.6	1.8	1.8	0	0	8.6	141	89	42	0	0	0	5
LEWISTON	66	52	74	47	59	-3	6	-3	3	3	110	6.3	106	83	52	0	0	0	0	
POCATELLO	63	42	78	35	53	-5	9	-7	4	4	0	0	5.9	111	90	43	0	0	0	3
IL CHICAGO	74	51	85	40	63	-1	2	-6	2	2	63	16.1	127	82	38	0	0	0	1	
MOLINE	78	52	84	39	65	-1	1	-8	1	1	39	21.7	155	90	41	0	0	0	0	
PEORIA	76	54	83	43	65	-1	7	-9	7	7	0	0	17.8	129	90	53	0	0	0	0
QUINCY	74	54	82	47	64	-3	1	-9	1	1	18	17.0	118	95	55	0	0	0	2	
ROCKFORD	77	51	85	40	64	0	1	-8	1	1	25	13.6	102	81	38	0	0	0	1	
SPRINGFIELD	78	55	84	44	67	-1	2	-6	2	2	91	20.1	144	83	42	0	0	0	1	
IN EVANSVILLE	78	58	86	51	68	-2	2.0	1.1	1.2	1.2	164	27.5	143	91	52	0	0	0	3	
FORT WAYNE	75	51	84	41	63	-2	1	-7	1	1	50	20.2	142	81	42	0	0	0	1	
INDIANAPOLIS	75	55	82	47	65	-2	4	-5	4	4	148	19.2	119	84	48	0	0	0	0	
SOUTH BEND	76	50	84	40	63	-1	7	-7	7	7	13	18.4	127	88	38	0	0	0	1	
IA DES MOINES	76	55	82	51	65	-1	1	-9	1	1	17	16.0	137	88	46	0	0	0	0	
SIoux CITY	75	56	85	50	66	-1	1	-8	1	1	35	12.0	130	90	47	0	0	0	0	
WATERLOO	75	52	82	46	64	-1	3	-7	3	3	96	13.5	114	92	46	0	0	0	2	
KS CONCORDIA	74	56	81	51	65	-3	8	-3	7	7	0	0	12.3	125	93	54	0	0	0	2
DODGE CITY	72	54	83	47	63	-6	2.8	2.1	1.7	1.7	0	0	13.0	170	97	56	0	0	0	3
GOODLAND	70	50	85	47	60	-4	2.4	1.7	1.3	1.3	32	7.7	129	96	56	0	0	0	5	
TOPEKA	75	58	82	50	67	-2	1	-1.0	1	1	0	0	12.7	111	96	55	0	0	0	1
WICHITA	77	59	81	52	68	-3	4	-5	2	2	7	0	8.3	82	93	52	0	0	0	4
KY BOWLING GREEN	81	59	88	54	70	-1	1.2	-3	9	9	0	0	21.1	93	94	59	0	0	0	2
LEXINGTON	73	57	79	50	65	-3	2.3	1.4	1.3	1.3	254	18.0	89	92	60	0	0	0	4	
LOUISVILLE	77	59	83	51	68	-1	5.0	4.1	3.3	3.3	1.6	667	30.1	152	92	54	0	0	0	2
LA ALEXANDRIA	88	69	94	66	78	1	4.2	3.1	2.1	2.1	0	0	34.0	136	86	56	2	0	0	4
BATON ROUGE	89	68	95	63	79	1	2.0	1.1	8	8	0	0	31.5	127	95	54	4	0	0	3
LAKE CHARLES	87	70	89	65	78	1	5	-7	5	5	0	0	26.7	128	99	64	0	0	0	1
NEW ORLEANS	87	69	91	62	78	1	1.6	-5	1.2	1.2	0	0	38.9	157	96	58	2	0	0	3

Based on 1951-80 normals

Weather Data for the Week Ending June 2, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.				
																		.01 INCH OR MORE	.50 INCH OR MORE					
SHREVEPORT	84	66	92	61	75	-1	5.3	4.4	3.3	T	0	0	36.7	175	97	62	1	0	5	3				
ME CARIBOU	70	45	82	34	57	1	.1	-.6	.1	T	0	0	12.2	98	76	35	0	0	1	0				
PORTLAND	73	47	86	37	60	1	1.6	-.9	.8	T	0	0	17.5	94	87	39	0	0	2	2				
MD BALTIMORE	73	55	84	47	63	1	1.5	-.7	1.4	T	0	0	16.9	101	89	51	0	0	2	1				
SALISBURY	73	55	82	47	63	0	2.3	1.6	2.2	T	0	0	19.6	112	97	55	0	0	2	1				
MA BOSTON	63	50	70	46	57	0	2.1	1.4	1.7	T	0	0	21.5	112	83	42	0	0	2	1				
CHATHAM	75	41	87	33	58	1	1.6	-.9	1.4	T	0	0	22.5	111	92	64	0	0	2	1				
MI ALPENA	74	49	80	42	62	1	1.2	-.5	1.2	T	0	0	10	11.6	112	88	31	0	0	1	0			
DETROIT	74	46	80	36	60	0	.5	-.1	.5	T	0	0	548	16.4	135	86	39	0	0	1	1			
FLINT	76	48	83	39	62	-1	.2	-.6	.2	T	0	0	257	11.8	106	85	38	0	0	1	1			
GRAND RAPIDS	74	45	81	34	60	1	.1	-.6	.1	T	0	0	70	13.2	104	83	35	0	0	1	0			
HOUGHTON LAKE	74	44	81	34	59	1	.1	-.6	.1	T	0	0	35	10.1	101	72	31	0	0	1	0			
LANSING	70	42	82	30	56	1	.1	-.9	.1	T	0	0	71	11.5	106	91	38	0	0	1	0			
MARQUETTE	74	47	82	36	60	-1	.8	-.2	.8	T	0	0	22	12.2	84	78	40	0	2	1	0			
MUSKEGON	70	40	82	33	55	1	.3	-.4	.3	T	0	0	465	15.8	128	82	36	0	0	1	1			
MN ALEXANDRIA	76	49	83	41	62	2	.2	-.7	.2	T	0	0	148	12.3	109	89	39	0	0	1	0			
DULUTH	71	44	79	29	58	3	.4	-.4	.4	T	0	0	62	9.7	120	77	43	0	0	1	0			
INT' L FALLS	76	44	80	39	60	4	1.7	1.0	1.7	T	0	0	163	10.0	108	83	37	0	2	1	0			
MINNEAPOLIS	76	52	83	46	64	1	1.3	-.5	1.3	T	0	0	790	6.6	96	85	32	0	0	1	1			
ROCHESTER	73	48	80	42	61	-1	.6	-.2	.6	T	0	0	515	13.1	149	80	39	0	0	1	1			
MS GREENWOOD	84	65	91	58	74	-2	1.0	-.1	.7	T	0	0	4	26.8	101	94	53	1	0	4	1			
JACKSON	83	63	92	57	73	-2	2.4	1.5	1.3	T	0	0	9	34.0	133	100	61	1	0	4	2			
MERIDIAN	85	63	93	54	74	-1	.6	-.2	.3	T	0	0	145	42.8	164	99	54	1	0	2	0			
MO CAPE GIRARDEAU	79	62	86	57	71	-1	1.4	-.5	.7	T	0	0	188	30.1	147	94	56	0	0	4	1			
COLUMBIA	74	56	82	52	65	-4	.1	-.9	.1	T	0	0	0	26.5	169	97	58	0	0	1	0			
KANSAS CITY	75	57	83	53	66	-4	.6	-.2	.4	T	0	0	3	17.1	130	93	54	0	0	2	0			
SAINT LOUIS	78	61	87	56	69	-1	.6	-.2	.4	T	0	0	42	20.4	141	87	48	0	0	3	0			
SPRINGFIELD	73	58	78	51	65	-3	1.5	-.5	.7	T	0	0	0	34.7	219	98	62	0	0	3	2			
MT BILLINGS	72	49	76	43	60	1	.2	-.4	.2	T	0	0	0	7.4	103	82	38	0	0	3	0			
GLASGOW	76	53	83	44	64	5	.2	-.3	.1	T	0	0	60	2.4	72	83	28	0	0	5	0			
GREAT FALLS	64	44	70	37	54	-3	1.6	1.0	1.4	T	0	0	10	7.0	103	86	50	0	0	4	1			
HAVRE	69	50	74	40	59	0	.1	-.4	.1	T	0	0	0	3.1	67	86	45	0	0	1	0			
HELENA	67	44	76	36	56	0	.2	-.2	.1	T	0	0	0	3.5	75	86	37	0	0	3	0			
KALISPELL	61	46	73	41	54	-1	1.9	1.4	.9	T	0	0	131	10.2	159	91	58	0	0	5	1			
MILES CITY	73	52	80	42	62	1	.4	-.3	.2	T	0	0	37	4.2	75	84	39	0	0	3	0			
MISSOULA	63	45	74	39	54	-1	1.0	.6	.3	T	0	0	62	6.9	121	95	52	0	0	5	0			
NE GRAND ISLAND	72	54	82	50	63	-3	.7	-.2	.4	T	0	0	162	8.8	94	96	57	0	0	4	0			
LINCOLN	76	55	85	48	65	-2	.3	-.7	.2	T	0	0	0	9.2	87	92	51	0	0	2	0			
NORFOLK	75	52	87	46	64	-2	.5	-.5	.5	T	0	0	166	7.9	89	93	45	0	0	2	0			
NORTH PLATTE	71	52	85	47	62	-2	1.7	.8	.9	T	0	0	452	8.5	114	97	55	0	0	6	1			
OMAHA	74	57	83	54	65	-3	.1	-.9	.1	T	0	0	28	8.7	79	88	50	0	0	2	0			
SCOTTSBLUFF	71	50	80	45	61	-2	.9	-.2	.4	T	0	0	3	150	8.9	147	90	45	0	0	4	0		
VALENTINE	73	52	81	46	63	0	1.0	.3	.6	T	0	0	1.0	505	8.5	130	89	43	0	0	4	1		
NV ELY	63	37	74	31	50	-4	1.3	1.1	.6	T	0	0	2	267	5.6	128	86	33	0	1	4	1		
LAS VEGAS	84	61	91	55	72	-6	T	0	T	0	0	0	0	1.7	102	46	16	1	0	0	0	0		
RENO	67	43	83	32	55	-3	.2	0	.2	T	0	0	33	3.2	78	77	30	0	1	3	0	0		
WINNEMUCA	62	43	74	37	53	-6	.7	.5	.4	T	0	0	0	4.1	107	84	40	0	0	5	0	0		
NH CONCORD	76	43	88	32	59	-1	1.0	.4	.9	T	0	0	0	15.2	106	94	30	0	1	3	1	1		
NJ ATLANTIC CITY	72	49	83	41	61	-4	2.4	1.7	2.3	T	0	0	0	15.5	90	98	51	0	0	3	3	1		
NM ALBUQUERQUE	82	52	87	46	67	-3	T	-.1	T	0	0	0	0	3.2	153	36	9	0	0	3	3	0	0	
CLOVIS	85	56	94	53	71	1	T	-.5	T	0	0	0	0	3.7	82	79	19	2	0	0	1	0	0	
ROSWELL	91	62	97	57	77	3	0	-.2	0	T	0	0	0	2.4	101	43	13	5	0	0	0	0	0	
NY ALBANY	75	47	86	40	61	-1	.5	-.3	.3	T	0	0	0	21.4	153	90	34	0	0	2	5	0	0	
BINGHAMTON	68	47	77	39	57	-3	.9	-.2	.8	T	0	0	4	16.4	116	93	46	0	0	2	5	1	1	
BUFFALO	72	49	82	42	60	-1	.6	-.1	.6	T	0	0	0	21.4	148	91	44	0	0	3	3	1	1	
NEW YORK	74	57	86	54	65	-1	2.1	1.4	2.1	T	0	0	0	21.4	121	79	42	0	0	3	1	1	1	
ROCHESTER	73	47	85	41	60	-2	.4	-.2	.4	T	0	0	0	16.5	131	91	43	0	0	2	1	0	0	
SYRACUSE	74	47	85	45	61	-1	.8	0	.8	T	0	0	0	19.5	130	93	41	0	0	1	0	0	0	
NC ASHEVILLE	72	56	84	51	64	-3	1.8	.9	1.1	T	0	0	0	24.3	128	98	63	0	0	2	2	2	2	
CHARLOTTE	79	62	88	53	71	-1	3.4	2.5	2.6	T	0	0	0	20.1	103	87	50	0	0	3	2	2	2	
GREENSBORO	75	59	83	53	67	-3	1.6	.7	.9	T	0	0	0	20.2	116	90	55	0	0	2	2	1	1	
HATTERAS	77	59	80	55	68	-2	.7	-.3	.5	T	0	0	0	24.9	123	97	61	0	0	3	1	0	0	
NEW BERN	80	61	84	59	71	-2	1.4	.3	1.1	T	0	0	0	23.7	123	96	57	0	0	2	1	1	1	
RALEIGH	77	59	83	53	68	-2	2.3	1.4	1.4	T	0	0	0	21.1	121	93	57	0	0	3	2	2	2	
WILMINGTON	82	63	89	59	73	-1	2.8	1.7	1.7	T	0	0	0	20.0	107	96	51	0	0	3	2	2	2	
ND BISMARCK	76	52	84	45	64	4	.8	.2	.5	T	0	0	415	3.9	70	87	41	0	0	3	2	1	1	
FARGO	78	52	85	42	65	5	2.0	1.4	1.7	T	0	0	2.0	7.4	122	81	41	0	0	2	1	1	1	
GRAND FORKS	79	49	86	41	64	4	.9	-.3	.5	T	0	0	506	6.1	111	80	38	0	0	2	0	0	0	
WILLISTON	74	52	83	45	63	4	.3	-.2	.2	T	0	0	3	153	3.8	80	85	40	0	0	3	0	0	0
OH AKRON-CANTON	69	49	78	40	59	-4	1.9	1.1	1.0	T	0	0	33	20.9	139	92	54	0	0	3	2	2	2	
CINCINNATI	75	56	82	48	66	-2	2.7	1.8	1.7	T	0	0	1.7	635	25.4	146	86	52	0	0	3	2	2	2
CLEVELAND	70	49	80	40	60	-4	.9	-.2	.6	T	0	0	26	18.6	129	95	51	0	0	3	2	1	1	
COLUMBUS	72	51	83	40	62	-4	1.2	.3	1.0	T	0	0	62	18.9	122	98	52	0	0	3	1	1	1	

Based on 1951-80 normals

Weather Data for the Week Ending June 2, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	72	52	82	44	62	1.4	1.2	1.3	.7	.4	176	23.6	157	90	52	0	0	0	0	3	1
TOLEDO	74	47	84	35	61	1.5	1.6	1.1	.6	.6	264	18.3	147	93	41	0	0	0	0	1	1
YOUNGSTOWN	69	46	80	35	58	1.4	1.3	1.1	.6	.6	18	15.6	103	97	50	0	0	0	0	0	0
OK OKLAHOMA CITY	80	64	84	60	72	1.4	2.3	1.1	.3	1.0	313	22.9	176	92	54	0	0	0	0	0	2
TULSA	79	64	82	59	71	1.2	1.2	1.0	.3	.3	85	24.4	154	92	54	0	0	0	0	0	0
OR ASTORIA	62	51	64	45	56	1.2	1.2	1.0	.3	.2	126	41.8	125	94	66	0	0	0	0	0	0
BURNS	59	41	67	28	50	1.8	1.8	1.0	.0	.0	0	2.7	54	91	43	1	1	0	0	4	4
MEDFORD	65	47	78	43	56	1.4	1.4	1.0	.0	.0	50	8.2	85	93	51	0	0	0	0	7	7
PENDLETON	65	49	72	45	57	1.3	1.3	1.1	.0	.0	0	5.6	93	79	45	0	0	0	0	0	0
PORTLAND	67	53	73	49	60	1.3	1.3	1.1	.0	.0	31	18.6	103	95	55	0	0	0	0	4	4
SALEM	67	50	74	46	59	1.1	1.1	1.0	.0	.0	45	19.8	97	94	55	0	0	0	0	6	6
PA ALLENTOWN	73	51	83	45	62	2.9	2.9	2.2	.0	.0	0	17.4	98	93	44	0	0	0	0	2	2
ERIE	69	49	83	40	59	1.7	1.7	1.1	.0	.0	0	18.5	130	91	48	0	0	0	0	1	1
HARRISBURG	72	50	84	43	61	4.0	4.0	3.1	.0	1.8	708	20.0	123	94	53	0	0	0	0	3	3
PHILADELPHIA	74	53	84	46	64	4.3	4.3	1.5	.0	0	0	17.4	104	95	48	0	0	0	0	1	1
PITTSBURGH	70	49	82	38	59	1.0	1.0	1.5	.0	.0	30	17.8	113	93	51	0	0	0	0	2	2
SCRANTON	72	47	82	39	59	1.7	1.7	1.9	.0	.0	0	16.2	122	95	44	0	0	0	0	3	3
RI PROVIDENCE	74	49	84	43	61	1.2	1.2	1.5	.0	.0	0	21.2	108	90	42	0	0	0	0	2	2
SC CHARLESTON	85	66	93	60	75	1.8	1.8	1.5	.0	.0	0	15.9	86	92	45	1	1	0	0	2	2
COLUMBIA	84	62	93	52	73	1.4	1.4	1.4	.0	.0	0	12.6	59	92	45	1	1	0	0	2	2
FLORENCE	83	63	91	58	73	1.9	1.9	1.3	.0	.0	0	9.6	55	92	46	1	1	0	0	1	1
GREENVILLE	78	59	89	52	69	1.6	1.6	1.3	.0	.0	11	22.0	95	95	56	0	0	0	0	3	3
SD ABERDEEN	75	51	80	46	63	1.0	1.0	1.0	.0	1.0	490	5.7	84	90	47	0	0	0	0	2	2
HURON	74	53	79	46	64	1.0	1.0	1.3	.0	1.0	445	11.1	154	91	47	0	0	0	0	2	2
RAPID CITY	70	50	81	46	60	1.3	1.3	1.3	.0	.0	14	7.5	110	90	49	0	0	0	0	1	1
SIOUX FALLS	75	53	83	47	64	1.3	1.3	1.3	.0	.5	204	8.4	96	91	44	0	0	0	0	2	2
TN CHATTANOOGA	80	61	83	53	71	1.2	1.2	1.4	.0	.0	0	36.0	144	95	52	0	0	0	0	1	1
KNOXVILLE	79	58	83	52	69	1.6	1.6	1.2	.0	.0	0	25.8	117	94	51	0	0	0	0	2	2
MEMPHIS	82	65	88	60	74	1.4	1.4	1.6	.0	.2	58	30.2	119	91	50	0	0	0	0	4	4
NASHVILLE	83	61	88	54	72	1.0	1.0	1.2	.0	.2	4	15.2	65	88	48	0	0	0	0	3	3
TX ABILENE	87	66	96	62	77	1.3	1.3	1.4	.0	.3	170	16.7	189	89	42	3	0	0	0	0	0
AMARILLO	81	53	93	47	67	1.1	1.1	1.1	.0	.0	0	7.4	125	90	35	1	0	0	0	1	1
AUSTIN	94	75	98	68	85	1.6	1.6	1.4	.0	.0	0	13.7	104	92	50	6	0	0	0	1	1
BEAUMONT	89	74	90	70	81	1.7	1.7	1.7	.0	.0	0	35.5	170	93	66	4	0	0	0	2	2
BROWNSVILLE	93	80	95	78	87	1.6	1.6	1.6	.0	.0	0	6.2	87	91	58	7	0	0	0	0	0
CORPUS CHRISTI	92	78	93	72	85	1.5	1.5	1.9	.0	.0	0	12.0	128	96	61	7	0	0	0	0	0
DEL RIO	94	75	99	73	85	1.5	1.5	1.5	.0	.4	0	12.0	200	73	43	7	0	0	0	2	2
EL PASO	92	63	96	58	77	1.0	1.0	1.1	.0	.0	0	1.2	78	28	13	5	0	0	0	0	0
FORT WORTH	88	68	97	63	78	1.1	1.1	1.6	.0	1.6	810	30.8	212	92	52	2	0	0	0	3	3
GALVESTON	88	78	89	76	83	1.4	1.4	1.3	.0	.0	0	18.7	137	88	64	0	0	0	0	2	2
HOUSTON	92	73	97	67	82	1.5	1.5	1.6	.0	.0	0	22.1	121	91	54	5	0	0	0	2	2
LUBBOCK	87	60	98	55	73	1.0	1.0	1.5	.0	.0	0	6.0	106	84	28	3	0	0	0	2	2
MIDLAND	94	64	99	52	79	1.1	1.1	1.3	.0	.0	0	4.6	103	81	28	5	0	0	0	1	1
SAN ANGELO	93	69	103	65	81	1.9	1.9	1.3	1.8	.1	33	12.3	186	89	35	6	0	0	0	2	2
SAN ANTONIO	95	77	100	73	86	1.8	1.8	1.8	.0	.0	0	16.8	149	89	47	6	0	0	0	1	1
VICTORIA	93	77	95	73	85	1.6	1.6	1.1	.0	.0	0	11.6	91	95	56	7	0	0	0	0	0
WACO	93	70	99	64	82	1.4	1.4	1.1	.0	.0	54	20.0	139	91	50	5	0	0	0	2	2
WICHITA FALLS	85	64	95	60	75	1.1	1.1	2.5	2.7	2.7	269	26.9	240	96	49	2	0	0	0	2	2
UT CEDAR CITY	68	42	78	34	55	1.6	1.6	1.1	.0	.0	200	5.5	127	73	25	0	0	0	0	2	2
SALT LAKE CITY	71	47	84	40	59	1.4	1.4	1.1	.0	.0	350	6.2	76	82	29	0	0	0	0	5	5
VT BURLINGTON	75	46	84	43	61	1.0	1.0	1.3	.0	.0	0	13.4	115	87	30	0	0	0	0	2	2
VA NORFOLK	74	57	83	54	66	1.5	1.5	1.1	.0	.0	0	17.0	97	92	57	0	0	0	0	3	3
RICHMOND	74	55	84	52	65	1.9	1.9	1.1	.0	.0	0	17.4	105	93	51	0	0	0	0	3	3
ROANOKE	73	55	79	52	64	1.4	1.4	1.8	.0	.0	0	18.0	109	95	64	0	0	0	0	3	3
WA QUILLAYUTE	60	50	67	48	55	2.6	2.6	1.6	.0	.0	367	52.6	103	99	72	0	0	0	0	6	6
SEATTLE-TACOMA	64	50	70	48	57	1.2	1.2	1.2	.0	.0	80	20.4	114	97	61	0	0	0	0	5	5
SPokane	61	48	70	42	55	1.3	1.3	1.3	.0	.0	656	9.3	118	96	60	0	0	0	0	7	7
YAKIMA	69	45	73	37	57	1.3	1.3	1.3	.0	.0	0	3.1	84	90	43	0	0	0	0	3	3
WV BECKLEY	68	53	76	45	60	1.2	1.2	1.3	.0	.0	38	16.9	95	95	62	0	0	0	0	3	3
CHARLESTON	75	55	82	47	65	1.2	1.2	1.4	1.0	.1	25	16.4	91	98	56	0	0	0	0	3	3
HUNTINGTON	75	55	80	48	65	1.3	1.3	3.6	3.7	.6	250	21.0	119	94	56	0	0	0	0	3	3
PARKERSBURG	72	52	82	40	62	1.5	1.5	1.7	.0	.0	0	18.7	116	98	58	0	0	0	0	2	2
WI GREEN BAY	73	47	81	35	60	1.2	1.2	1.0	.0	1.2	567	10.9	109	92	40	0	0	0	0	2	2
LACROSSE	77	52	82	45	64	1.9	1.9	1.8	.0	.8	293	11.8	112	93	39	0	0	0	0	3	3
MADISON	74	48	83	35	61	1.3	1.3	1.3	.0	.3	121	14.3	132	89	38	0	0	0	0	2	2
MILWAUKEE	69	50	85	43	60	1.1	1.1	1.5	.0	.0	62	17.6	150	77	43	0	0	0	0	1	1
WAUSAU	74	47	79	38	60	1.0	1.0	1.1	.0	.8	312	10.9	102	92	36	0	0	0	0	3	3
WY CASPER	69	42	79	35	56	1.4	1.4	1.1	.0	.2	173	4.7	83	88	30	0	0	0	0	5	5
CHEYENNE	64	42	70	38	53	1.4	1.4	2.2	1.2	.6	393	10.3	186	94	50	0	0	0	0	5	5
LANDER	69	43	76	32	56	1.1	1.1	1.5	.0	.0	15	4.0	55	72	26	0	1	1	0	1	0
SHERIDAN	69	44	79	37	57	1.1	1.1	1.1	.0	.3	147	6.9	96	93	43	0	0	0	0	3	3

Based on 1951-80 normals

National Agricultural Summary

May 28-June 3, 1990

HIGHLIGHTS: A generally open weather week prevailed across the western Corn Belt, allowing row crop planting to progress and fields to begin drying out. The Delta continued to be wetter than normal, limiting fieldwork to 3 days or less. Soil moisture was surplus to adequate in the Corn Belt and excessive in some parts of the Delta. Rain was widespread across the northern Great Plains, northern Rockies, and the Pacific Northwest. Fieldwork was limited in the Ohio Valley and middle and northern Atlantic States due to wet and cool conditions. In Alabama, Georgia, and South Carolina, weather was generally suited to fieldwork and soil moisture was adequate to short. Ample rains fell over portions of California and Texas. Florida had scattered thundershowers, with most areas receiving some rain.

SMALL GRAIN: Winter wheat condition was mostly good to fair, essentially unchanged from the previous week. Heading progressed to 84 percent (%) complete, 1 percentage point behind the 5-year average. Two percent of the acreage had been harvested by June 3, compared with 4% on average. Winter wheat was good to excellent in Kansas, with heading complete in most areas. Conditions were fair to good in Texas and Oklahoma and harvest was 8 and 1% complete, respectively. In the Texas High Plains, hail and high winds caused lodging in some fields. Conditions in Nebraska and Colorado were mostly fair to good, while Montana wheat was good to excellent. Heading progress was behind average in all three States. Washington, Oregon, and Idaho winter wheat was fair to good. Heading progress was ahead of normal in the Pacific Northwest. California harvest was underway. In the Corn Belt, conditions were generally fair to good. Saturated soil conditions in Missouri and Arkansas promoted disease problems and continued to cause concern over yield potential. In the southeast, Georgia had harvested 53% of the winter wheat, slightly behind average. North Carolina had begun harvest and was 5% complete.

Spring wheat was good to fair with 94% of the acreage emerged, equal to the average. North Dakota's spring wheat was 93% emerged and was good to fair. Montana and Minnesota spring wheat was 92 and 93% emerged, respectively, with good to fair conditions.

CORN: Corn planting progressed 7 percentage points from last week to 88% complete, 9 points behind normal. Indiana, Michigan, and Wisconsin advanced 10 or more points by week's end. Illinois was 79% complete, 21 points behind normal, and the crop was good to fair. Iowa was 94% completed on planting, 5 points behind the average with conditions fair to good. Nebraska corn was 99% planted and rated good to fair. Conditions were mostly fair to good in Indiana, Wisconsin, Minnesota, and South Dakota. Planting progress was 81% complete in Indiana, 14 points behind normal. Missouri and Kentucky plantings were 57 and 60% complete, respectively, both lagging normal progress by 35 or more points.

SOYBEANS: Soybean plantings were 48% complete, 25 points behind normal. States which lagged the most behind the average were Missouri, Illinois, Kentucky, Arkansas, and Indiana, all of which were 30 or more points behind. Illinois plantings were 46% complete, compared with the normal 90% by this date. Indiana was 43% complete, Iowa was 65% complete, Minnesota was 79% complete, Ohio was 47% complete, and Nebraska was 65% complete. Missouri was 11% complete on planting, compared with the normal of 63%. Arkansas was 16% complete, compared with the 49% average. In the 19 survey States, planting progressed 22 points from the previous week. Iowa, Minnesota, Nebraska, South Dakota, and Michigan advanced 30 or more points from the previous week.

COTTON: Cotton planting was 90% complete, 7 points ahead of both 1989 and the average. Squaring was 8% complete, 2 points behind normal. Squaring was mostly good to fair in the 14 survey States.

In California, planting was complete and 5% of the acreage was squaring. Texas cotton was good to fair, with 85% planted and 10% squaring. Some fields in the Plains were replanted due to high winds and blowing sand. Rain was needed on dryland fields. Cultivating and spraying continued in the

Blacklands. Mississippi plantings were 97% complete and squaring was 6% complete. Planting was essentially complete in Arizona, Louisiana, and North Carolina. Conditions were mostly fair to poor in Arkansas, Missouri, and Tennessee due to prolonged wet conditions.

BORGHUM: Grain sorghum plantings were 53% complete, 10 points behind normal. Kansas sorghum planting was 35% complete, 5 points behind normal. Very little progress was made during the week due to wet fields. In Texas, however, planting was 85% complete or 8 points ahead of normal. Additional moisture over the Plains improved planting prospects. Rain was needed from central Texas to the Coastal Bend. Nebraska was 55% planted, 27 points behind normal but 37 points advanced from the previous week.

OTHER FIELD CROPS: Rice seeding was 90 percent complete, 8 points behind normal. Rice was mostly good to fair with 75% of the crop emerged, 16 points behind normal. Arkansas farmers continued some aerial seeding due to the wet field conditions. Arkansas seeding was 81 percent complete, 16 points behind normal. In Georgia, peanuts were mostly good to fair with 98% of the crop planted. Farmers were busy with disease and weed control activities. Alabama's peanuts were in good to excellent condition. Peanut planting continued to lag behind normal in Oklahoma and Texas. Burley tobacco transplanting was behind normal in Kentucky. Tobacco was in mostly good to fair condition in North Carolina and Georgia.

FRUIT AND NUTS: Some rain fell over most of Florida's citrus areas but more was needed. Irrigation continued. Lakes, ponds, and streams were very low. Early bloom fruit sizes were large on June 1. Valencia harvest was slow and juice plants were closing. The grapefruit harvest was almost complete. The peach harvest was running ahead of normal in South Carolina and Georgia. Record rains fell over much of California. The apricot harvest continued with some storm damage expected. The cherry crop was devastated with two-thirds of the crop lost. Apples and grapes were treated for pests. Desert valley table grape harvest continued. Seventeen percent of the peaches and 7% of the nectarines and plums were packed. The south coast lemons were 80 percent harvested. Valencia orange and grapefruit harvests advanced. Cool, wet weather delayed fruit and berry development in Washington and Oregon and resulted in more cracking damage in cherries.

VEGETABLES: Hot days and warm nights prevailed in Florida's vegetable producing areas. Showers were frequent. Harvest activity continued in the northern areas, was complete in the southern areas, and nearly complete in the central area. Volume leaders were watermelons, potatoes, tomatoes, sweet corn, peppers, cucumbers, celery, eggplant, radishes, carrots, and squash. Limited supplies of snap beans and cabbage were available. Watermelons were in good condition in South Carolina and Georgia. Watermelon harvest was expected to start in South Georgia in 2 weeks. In Texas' Rio Grande Valley, cantaloupe and honeydew harvests were coming to an end. Cucumbers and peppers were being harvested. Hot temperatures damaged peppers. In the San Antonio-Winter Garden area, the onion harvest continued without much delay. Yields were good. East Texas producers continued harvesting peas, beans, squash, and greens. Disease problems were evident. On the High Plains, hail damaged some onion fields. Other vegetables and potatoes progressed well. In the Trans-Pecos area, onion harvest was beginning. Cantaloupe and peppers progressed well. In California, broccoli and iceberg lettuce were in moderate supply. Spring potato harvest continued. Potato planting in the Butte Valley-Tulelake area was nearly complete. Potato planting was near completion in Idaho, Maine, and North Dakota. Potato emergence was slowed by cool soil temperatures in Klamath County, Oregon.

(Continued to back cover)

Crop Progress

FOR WEEK ENDING JUNE 3, 1990

	RICE % PLANTED		
	1990	1989	AVG.
AR	81	97	97
CA	98	98	98
LA	98	96	99
MS	90	94	99
TX	100	100	100

5 STATES 90 97 98

THESE 5 STATES PRODUCED 97% OF THE 1989 RICE CROP.

	RICE % EMERGED		
	1990	1989	AVG.
AR	62	90	90
CA	75	80	81
LA	94	93	96
MS	78	91	96
TX	90	100	99

5 STATES 75 90 91

THESE 5 STATES PRODUCED 97% OF THE 1989 RICE CROP.

	WINTER WHEAT % HEADED		
	1990	1989	AVG.
AR	100	100	100
CA	99	99	100
CO	74	71	84
GA	100	100	100
ID	20	9	11
IL	98	96	99
IN	96	88	90
KS	100	100	96
MI	20	15	45
MO	98	100	100
MT	1	0	8
NE	80	90	90
NC	100	100	NA
OH	80	50	79
OK	99	100	100
OR	90	63	73
SD	29	35	44
TX	98	99	99
WA	55	50	47

19 STATES 85 84 NA

EXCL. STATES WITH NA 84 83 85

THESE 19 STATES PRODUCED 88% OF THE 1989 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	CORN % PLANTED		
	1990	1989	AVG.
CO	97	97	98
GA	100	100	100
IL	79	100	100
IN	81	80	95
IA	94	100	99
KS	99	97	96
KY	60	94	95
MI	95	97	98
MN	95	97	96
MO	57	100	98
NE	99	99	100
NC	100	93	98
OH	87	47	90
PA	72	52	81
SD	92	95	88
TX	100	100	100
WI	89	94	96

17 STATES 88 93 97

THESE 17 STATES PRODUCED 95% OF THE 1989 CORN CROP.

	SPRING WHEAT % EMERGED		
	1990	1989	AVG.
ID	99	99	95
MN	93	100	99
MT	92	74	89
ND	93	90	93
SD	100	99	98

5 STATES 94 90 94

THESE 5 STATES PRODUCED 89% OF THE 1989 SPRING WHEAT CROP.

	GRAIN SORGHUM % PLANTED		
	1990	1989	AVG.
AR	80	93	93
CO	34	38	52
IL	6	63	71
KS	35	45	40
LA	93	89	94
MS	88	94	91
MO	14	81	78
NE	55	84	82
NM	66	NA	NA
OK	30	25	45
SD	31	58	47
TX	85	76	77

12 STATES 53 NA NA

EXCL. STATES WITH NA 53 64 63

THESE 12 STATES PRODUCED 98% OF THE 1989 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	WINTER WHEAT % HARVESTED		
	1990	1989	AVG.
AR	2	0	8
CA	5	5	7
CO	0	0	0
GA	53	51	55
ID	0	0	0
IL	0	0	0
IN	0	0	0
KS	0	0	0
MI	0	0	0
MO	0	0	0
MT	0	0	0
NE	0	0	0
NC	5	0	0
OH	0	0	0
OK	1	10	5
OR	0	0	0
SD	0	0	0
TX	8	6	17
WA	0	0	0

19 STATES 2 3 4

THESE 19 STATES PRODUCED 88% OF THE 1989 WINTER WHEAT CROP.

	SOYBEANS % PLANTED		
	1990	1989	AVG.
AL	50	58	55
AR	16	46	49
GA	57	53	60
IL	46	81	90
IN	43	41	74
IA	65	98	90
KS	40	45	50
KY	12	50	50
LA	66	55	62
MI	70	75	70
MN	79	90	88
MS	32	36	49
MO	11	64	63
NE	65	90	85
NC	51	32	45
OH	47	18	71
SC	50	34	42
SD	63	84	68
TN	20	46	49

19 STATES 48 65 73

THESE 19 STATES PRODUCED 95% OF THE 1989 SOYBEANS CROP.

	COTTON % PLANTED		
	1990	1989	AVG.
AL	99	100	99
AZ	100	100	100
AR	95	96	99
CA	100	100	100
GA	97	95	95
LA	100	91	96
MS	97	92	98
MO	87	100	100
NM	98	100	97
NC	100	88	98
OK	55	60	45
SC	97	93	98
TN	92	100	99
TX	85	70	69

14 STATES 90 83 83

THESE 14 STATES PRODUCED 99% OF THE 1989 COTTON CROP.

	COTTON % SQUARING		
	1990	1989	AVG.
AL	8	7	4
AZ	26	78	53
AR	0	0	2
CA	5	5	6
GA	10	3	15
LA	6	2	9
MS	6	8	NA
MO	0	0	0
NM	0	0	5
NC	0	0	0
OK	0	0	0
SC	0	1	5
TN	0	0	0
TX	10	8	10

14 STATES 8 9 NA

EXCL. STATES WITH NA 8 9 10

THESE 14 STATES PRODUCED 99% OF THE 1989 COTTON CROP.

NA - NOT AVAILABLE.

Crop Condition
PERCENT

FOR WEEK ENDING JUNE 3, 1990

STATE	SPRING WHEAT				
	VP	P	F	G	EX
ID	0	0	13	67	20
MN	1	0	32	46	21
MT	1	2	19	60	18
ND	1	4	21	68	6
SD	0	0	28	55	17
5 STATE	1	2	23	61	13
PREV WEEK	1	2	24	64	9
PREV YEAR	0	1	14	76	9

STATE	RICE				
	VP	P	F	G	EX
AR	0	6	69	25	0
CA	0	0	15	75	10
LA	0	6	25	56	13
MS	0	12	48	40	0
TX	0	0	17	70	13
5 STATE	0	5	44	45	6
PREV WEEK	3	7	36	48	6
PREV YEAR	0	1	41	55	3

WINTER WHEAT

STATE	VP	P	F	G	EX
AR	1	33	55	11	0
CA	0	0	15	75	10
CO	1	3	20	59	17
GA	1	0	24	72	3
ID	0	1	14	60	25
IL	0	8	37	48	7
IN	0	7	29	53	11
KS	0	1	9	50	40
MI	0	5	15	50	30
MO	1	14	50	35	0
MT	1	2	15	54	28
NE	0	0	57	33	10
NC	0	2	23	74	1
OH	0	5	29	55	11
OK	0	0	15	84	1
OR	0	0	52	47	1
SD	1	2	28	59	10
TX	4	8	39	43	6
WA	0	5	37	40	18
19 STATE	1	4	25	53	17
PREV WEEK	1	4	27	52	16
PREV YEAR	22	18	30	26	4

CORN

STATE	VP	P	F	G	EX
CO	1	3	15	66	15
GA	0	0	26	70	4
IL	1	5	44	47	3
IN	1	14	55	28	2
IA	0	3	48	46	3
KS	0	4	39	38	19
KY	0	10	47	36	7
MI	2	8	35	45	10
MN	1	7	49	41	2
MO	4	31	53	12	0
NE	0	0	30	55	15
NC	0	0	19	70	11
OH	3	11	39	42	5
PA	5	20	40	20	15
SD	0	1	32	63	4
TX	1	3	23	55	18
WI	1	8	50	40	1
17 STATE	1	6	42	45	6
PREV WEEK	NA				
PREV YEAR	1	4	31	57	7

COTTON

STATE	VP	P	F	G	EX
AL	0	10	44	46	0
AZ	0	0	25	67	8
AR	0	23	64	13	0
CA	0	0	10	85	5
GA	0	0	28	72	0
LA	0	11	56	33	0
MS	0	6	51	38	5
MO	15	38	47	0	0
NM	0	0	43	57	0
NC	0	0	16	84	0
OK	0	17	3	75	5
SC	0	0	8	92	0
TN	3	23	63	11	0
TX	0	8	35	52	5
14 STATE	0	9	37	50	4
PREV WEEK	NA				
PREV YEAR	0	19	43	36	2

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall 1.00 to 3.00 in.; less than 0.25 in. central. Temperatures 2 to 3° below normal.

Days suitable for fieldwork 5.8. Soil moisture 24% short, 72% adequate, 4% surplus. Corn 46% silked, 46% 1989, 27% avg.; 11% fair, 78% good, 11% excellent. Sorghum 75% planted, 74% 1989, 65% avg.; 11% fair, 89% good. Cotton 99% planted, 100% 1989, 99% avg.; 8% squaring, 7% 1989, 4% avg.; 10% poor, 44% fair, 46% good. Peanuts 98% planted, 99% 1989, 94% avg.; 3% pegging, 3% 1989, 1% avg.; 78% good, 22% excellent. Soybeans 50% planted, 58% 1989, 55% avg. Winter wheat 98% turning color, 98% 1989, 96% avg.; 47% harvested, 62% 1989, 40% avg.; 1% very poor, 1% poor, 38% fair, 60% good. First hay 67% harvested, 72% 1989, 61% avg. Pastures 16% fair, 78% good, 6% excellent. Livestock 3% fair, 91% good, 6% excellent. Primary activities: Controlling weeds, insects in row crops; planting soybeans, sorghum, summer vegetables; harvesting small grains, hay, peaches, early vegetable crops; mowing, fertilizing summer pastures; applying fungicides to peanuts; monitoring fish ponds; general care of livestock, poultry.

ALASKA: Warmer than normal temperatures, little rainfall, drying winds were depleting soil moisture. Temperatures highs 5 to 13° above normal. Lows 5 to 14° above normal. Seasonal precipitation 1.04 in. below normal at Clearwater to 0.79 in. above normal at Palmer.

Days suitable for fieldwork 7.0. Topsoil 48% short, 51% adequate, 1% surplus. Subsoil 11% short, 80% adequate, 9% surplus. Small grain seeding wrapping up. Emergence 90% oats, 40% barley. Commercial potato, 70% done. Hardy vegetable seeding, transplanting continues. Progress of fieldwork on schedule. Rate of crop growth slow to rapid depending on rainfall. Pasture grass short in northern areas due to dryness.

ARIZONA: Warm, sunny 27th; unseasonably cooler, gusty winds, rainfall 28th, 29th; warming trend, clear skies, dry air 30th to 3rd. Temperatures 2 to 6° below normal. Extremes 56°; 103° deserts; 31°; 95° higher elevations. Precipitation mostly central, north central, west; none to 1.29 in.

Cotton planted 100%, 100% 1989, 99% avg.; squaring 26%, 78% 1989, 53% avg.; cultivating, irrigating, side dressing fertilizer; crop 25% fair, 67% good, 8% excellent. Small grain harvested 34%, 65% 1989, 61% avg.; turning color 98%, 99% 1989, 98% avg.; mostly good. Alfalfa hay harvest mostly moderate; mostly good. Honeydew, cantaloupe, potato, grape, watermelon harvests continued west. Dry onion, potato, mixed winter squash, summer squash harvests continued central; sweet corn harvest underway central, lettuce harvest east. Valencia orange, grapefruit harvests continued central, west. Range continued very dry; cattle, calves mostly fair; feed supplies below average; supplemental feeding necessary; stockwater mostly short, except southeast adequate; insect damage light, grasshoppers abundant north central.

ARKANSAS: Cool weather continued. Temperatures 1 to 6° below normal. Showers statewide. Extremes 48°; 91°. Rainfall 0.50 to 3.92 in.

Days suitable for fieldwork 3.0. Soil moisture 20% adequate, 80% surplus. Main activities:

Planting rice, soybeans, some cotton, grain sorghum; preparing for wheat harvest; spraying crops for weeds, insects; cutting, baling hay; renovating, spraying, fertilizing pastures. Corn 95% planted, 100% 1989, 99% avg.; 1% poor, 53% fair, 41% good, 5% excellent. Oats 100% headed, 100% 1989, 100% avg.; 13% poor, 51% fair, 36% good. Cotton 86% emerged, 86% 1989, 97% avg. Soybeans 9% emerged, 30% 1989, 35% avg.; 4% poor, 47% fair, 49% good. Sorghum 59% emerged, 83% 1989, 87% avg.; 1% very poor, 12% poor, 71% fair, 16% good. Cotton sprayed for thrip, cutworm. Rice aerial seeding continued. Soybean seedbed preparation slow. Disease build up, armyworms, wet grounds lowered wheat yield potential. Peach crop good. Tomato crop good. Rainy weather hampered hay cutting. Pastures fair to good. Livestock good.

CALIFORNIA: Due to a cold low pressure trough, record rains fell early in the week over much of State. High pressure returned late in the week bringing normal temperatures, dry conditions, except northwest corner of the State.

Heavy rain first part interrupted field activities. Small grains additional lodging. Some reseeding wind, cool weather damaged rice. Considerable hay rained on, required turning. Some cases crop lost. Harvest alfalfa, other hay as weather allowed. Cotton treated mites, lygus, weeds. Overwintered sugarbeet harvest progressed. Corn seeding continued. Storms saved many growers 1 or 2 weeks irrigation. Rains affected harvest, cultural practices, damaged few crops. Apricot harvest continued, some damage expected. Cherry crop devastated, two thirds lost. Apples, grapes treated for pests, desert valley table grape harvest continued. Peaches 17%; 7% nectarines, plums packed. South coast lemons 80% harvested. Valencia orange, grapefruit harvests advanced. Almonds, walnuts treated for pests. Broccoli heavy supply generally good quality. Cauliflower moderate supply, variable quality. Iceberg head lettuce heavy supply, variable quality. Bee colonies active westside cantaloupe fields. Spring potato harvest continued. Potato planting Butte Valley Tulelake area nearly completed. Livestock good, movement to summer pastures nearly complete. Branding, vaccination active. Rains improved pastures northern half, pastures southern half continued to dry without beneficial moisture. Summer pastures slower than normal growth. Water supplies adequate north areas, marginally sufficient central, south areas.

COLORADO: Widespread showers, thunderstorms brought moisture to most locations on the eastern Plains. Precipitation 0.20 in. on western Slope, San Luis Valley to 3.00 in. in southeast. Temperatures mostly 1 to 3° below normal.

Days suitable for fieldwork 3.6. Soil moisture 5% very short, 24% short, 64% adequate, 7% surplus. Small grains all emerged, heading just underway with barley 26% headed, oats 10% headed, spring wheat 26% headed; winter wheat 74% headed. Dry bean plantings slowed from rain to 26% complete. Corn, 97% planted, 80% emerged. Sorghum, 34% planted, 14% emerged. Summer potatoes, 68% emerged. Fall potatoes, 10% emerged. Sugarbeets, 18% thinned. Range, pasture fair to good. Livestock good to excellent.

FLORIDA: Warm, temperatures 1 to 2° above normal north, 2 to 5° above, elsewhere. Extreme highs in low to mid 90s; coolest lows from mid 50s north to mid 60s central, upper 60s interior south. Rain across State; north 1.00 to 2.00 in. common in Panhandle, mostly less than 0.50 in. Big Bend, northeast over 1.00 in. 1.00 to 2.00 in. amounts fell many Peninsula locations, some areas received less than 0.50 in.

Soil moisture Panhandle short to adequate; Peninsula mostly short. Planting soybeans, cotton active. Winter wheat harvest winding down. Harvest underway early tobacco varieties. Hay harvest continued; some second cuttings made. Corn tasseling, silking. Peanuts, sugarcane good progress. Panhandle pastures fair to excellent. Northern, central Peninsula pastures poor to fair. Water supplies for cattle low, some drier areas. Southern Peninsula pastures fair to excellent. Cattle, calves good. Some rain most citrus areas; more needed. Irrigation continued. Lakes, ponds, streams very low. Early bloom fruit sizes large for 1st. Varying amounts of later bloom. Valencia harvest slow; juice plants closing. Grapefruit harvest almost complete. Hot days, warm nights prevailed, vegetable producing areas. Thunderstorms, showers more frequent. Harvest active northern areas, complete southern areas, nearly complete central areas. Volume leaders: Watermelons, potatoes, tomatoes, sweet corn, peppers, cucumbers, celery, eggplant, radishes, carrots, squash. Limited supplies snap beans, cabbage available. Season complete southeast, Immokalee Naples tomatoes.

GEORGIA: Scattered thunderstorms 28th, 2nd, 3rd 1.00 to 2.00 in. of rain, some areas less than 0.25 in. for week. Cooler than normal, particularly north half, temperatures 2 to 5° below normal. Temperatures close to normal southern area. Warmest upper 70s mountains, mid 90s extreme south. Coolest mostly 50s, mid 40s mountains to low 60s lower southeast coast.

Days suitable for fieldwork 5.6. Soil moisture 44% short, 55% adequate, 1% surplus. Corn 31% silked, 18% 1989, 32% avg.; 8% dough, 3% 1989, 8% avg.; corn improved. Sorghum 10% fair, 90% good; 84% planted, 65% 1989, 70% avg. Peanuts 19% fair, 80% good, 1% excellent; 98% planted, 99% 1989, 98% avg.; 24% blooming, 13% 1989, 19% avg.; 4% pegging, 1% 1989, 3% avg.; disease, weed control active. Soybeans 22% fair, 75% good, 3% excellent. Tobacco 23% fair, 73% good, 4% excellent; crop improved, blackshank few fields. Watermelon harvest start two weeks south, crop good. Rain slowed wheat harvest some areas. Other small grains fair to mostly good. Apples 2% poor, 65% fair, 33% good. Peaches 2% very poor, 10% poor, 2% fair, 86% good; 44% harvested, 30% 1989, 26% avg. Hay 2% poor, 17% fair, 77% good, 4% excellent; harvest slowed rain mostly north. Pasture 4% poor, 14% fair, 74% good, 8% excellent. Livestock good. Main activities: Tending row crops, harvesting small grains, hay, peaches.

HAWAII: High pressure system continued to bring favorable weather. Days mostly sunny, scattered showers. Winds variable 5 to 25 mph. Temperatures upper 60s to high 80s. Rainfall none to 1.30 in.

Days suitable for farm work 7.0. Papaya production low. Sugar, pineapple harvesting continuous.

IDAHO: Temperatures below normal. Precipitation well above normal throughout State.

Days suitable for fieldwork 1.5. Soil moisture 18% short, 65% adequate, 17% surplus. Winter wheat good to excellent; 9% not yet jointed, 25% jointed, 46% boot, 20% headed, 9% 89, 11% avg. Spring wheat mostly good to excellent; emerged

99%, 99% 89, 95% avg.; 51% not yet jointed, 34% jointed, 15% boot. Spring barley emerged 98%, 99% 1989, 92% avg.; 55% not yet jointed, 30% jointed, 15% boot. Potatoes planted 97%, 93% 1989, 92% avg.; emerged 46%, 33% 1989, 47% avg. Oats emerged 89%, 88% 1989, 88% avg. Sugarbeets thinned 56%, 50% 1989, 54% avg. Alfalfa 1st cutting 15%, 15% 1989, 14% avg. Dry beans planted 29%, 53% 1989, 48% avg.; emerged 7%, 14% 1989, 12% avg. Field corn planted 90%, 97% 1989, 98% avg.; emerged 78%, 82% 1989, 84% avg. Irrigation water supplies good to fair. Range, pasture 10% poor, 30% fair, 41% good, 19% excellent. Improved, wet weather. Concerns about stockwater distribution. Livestock summer range good to excellent condition. Late shearing, east.

ILLINOIS: Temperatures 1 to 5° below normal across State. Precipitation 0.20 to 0.65 in. across State.

Days suitable for fieldwork 3.00. Soil moisture 51% adequate, 49% surplus. Corn height 6 in., 8 in. 1989, 12 in. avg. Corn average height most advanced 9 in., 13 in. 1989, 20 in. avg. Wheat filled 49%, 58% 1989, 78% avg.; turning yellow 9%, 9% 1989, 32% avg. Oats 10% fair, 77% good, 13% excellent; headed 14%, 18% 1989, 41% avg. Alfalfa 3% poor, 23% fair, 68% good, 6% excellent; hay first cutting 20%, 60% 1989, 69% avg. Red clover 22% fair, 71% good, 7% excellent. Clover hay cut 12%, 37% 1989, 55% avg. Pasture 10% fair, 68% good, 22% excellent.

INDIANA: Temperatures 1 to 5° below normal. Lows upper 40s to upper 50s, highs mid to upper 70s. Precipitation 0.30 to 3.00 in.

Days suitable for fieldwork 3.7. Topsoil 77% adequate, 23% surplus. Subsoil 62% adequate, 38% surplus. Corn 75% emerged, 74% 1989, 89% avg.; 5 in. high, 6 in. 1989, 9 in. avg. Oats 11 in. high, 11 in. 1989, 13 in. avg. Alfalfa hay 25% cut, 37% 1989, 55% avg. Pasture 12% fair, 66% good, 22% excellent. Pondering, flooding has resulted in some replanting of corn throughout the State.

IOWA: Temperatures 1 to 3° below normal. Extremes 36°; 85°. Precipitation 0.01 to 1.74 in; average 0.44 in.

Days suitable for fieldwork 3.8. Topsoil 71% adequate, 29% surplus. Subsoil 12% short, 79% adequate, 9% surplus. Winter wheat good to excellent. Hay 17% fair, 65% good, 18% excellent. Pasture 2% poor, 15% fair, 64% good, 19% excellent. Oats 5% headed, 12% 1989, 20% avg.; 14% fair, 71% good, 15% excellent. First crop alfalfa hay 5% harvested, 25% 1989, 34% avg. Corn 80% emerged, 100% 1989, 97% avg.; 8% cultivated first time, 24% 1989, 30% avg.; stand 92% of normal; to be replanted 3%; 3% poor, 48% fair, 46% good, 3% excellent. Soybeans 20% emerged, 75% 1989, 69% avg. Livestock mostly good to excellent.

KANSAS: Temperature slightly below normal northern, central; 4° to 5° below normal southern. Rainfall all areas 0.15 in. northeast to 3.40 in. southeast.

Days suitable for fieldwork 1.5. Topsoil 8% short, 48% adequate., 44% surplus. Subsoil 13% short, 78% adequate., 9% surplus. Wheat good to excellent; turning color 35%, 35% 1989 and avg. Insect, disease problems light to severe across State. Corn planting good progress; ahead last year and avg. Sorghum, soybeans plantings virtually halted due to wet fields. Ranges, pastures good growth. First cutting alfalfa hay 50% complete.

KENTUCKY: Highest temperatures upper 80s, lows upper 40s to 50s. Temperatures mid to upper 60s, few degrees below normal. Rainfall varied greatly;

heaviest north central, over 5.00 in. Extreme southeast less than 1.00 in.

Days suitable for fieldwork 2.7. Soil moisture 37% adequate, 63% surplus. River bottoms flood, lowlands muddy, corn planting seriously delayed. Burley 47% set, 61% 1989, 67% avg. Plants supply adequate, many plants becoming too large. Condition set tobacco mostly fair to good. Dark tobacco 40% set. Wheat fair, some decline due to disease and lodging. Barley harvest beginning. Pasture 11% fair, 51% good, 38% excellent.

LOUISIANA: Temperatures near normal. Extremes 57°; 95°. Rainfall 0.43 to 4.46 in.

Days suitable for fieldwork 3.3. Soil moisture 45% adequate, 55% surplus. Spring plowing 95%, 98% 1989, 100% avg. Corn silked 28%, 15% 1989, 28% avg.; 18% fair, 67% good, 15% excellent. Cotton squaring 6%, 2% 1989, 9% avg.; 11% poor, 56% fair, 33% good. Hay 54%, 52% 1989, 64% avg. Peaches harvested 15%, 3% 1989, 11% avg.; 43% fair, 57% good. Rice planted 98%, 96% 1989, 99% avg.; 94% emerged, 93% 1989, 96% avg.; 6% poor, 25% fair, 56% good, 13% excellent. Fertilizing, herbicide applications continued. Sorghum planted 93%, 89% 1989, 94% avg.; 90% emerged, 84% 1989, 89% avg.; 6% poor, 38% fair, 56% good. Soybeans planted 66%, 55% 1989, 62% avg.; 63% emerged, 37% 1989, 47% avg. Sweet potatoes planted 44%, 39% 1989, 56% avg. Sugarcane 12% very poor, 25% poor, 38% fair, 25% good. Lay by operations active. Wheat turning color 100%, 99% 1989, 99% avg.; harvested 71%, 57% 1989, 62% avg. Livestock 27% fair, 62% good, 11% excellent. Pasture 4% poor, 23% fair, 64% good, 9% excellent. Vegetable 3% poor, 30% fair, 64% good, 3% excellent.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 3.25 in. Temperature 62°, normal 70°. Extremes 32°; 84°.

Days suitable for fieldwork 3.0. Topsoil 49% adequate, 51% surplus. Subsoil 55% adequate, 45% surplus. Field corn 93% planted, 94% 1989, 96% avg. Soybeans 30% planted, 30% 1989, 41% avg. Sweet corn 81% planted, 68% 1989, 85% avg. Snap beans planted 63%, 70% 1989, 77% avg. Small grains fair to good. Wheat 99% headed, 96% 1989, 89% avg.; 19% turning, 7% 1989, 22% avg. Oats 35% headed, 24% 1989, 44% avg.; 4% turning, 4% 1989, 10% avg. Barley 70% turning, 63% 1989, 77% avg. Rye 34% turning, 30% 1989, 30% 1989, 48% avg. Alfalfa hay first cut 62% complete, 56% 1989, 72% avg. Other hay first cut 46% complete, 38% 1989, 50% avg. Strawberries 47% harvested, 27% 1989, 28% avg.

DELAWARE: Precipitation 3.89 in. Temperatures 61°, normal 67°. Extremes 40°; 81°.

Days suitable for fieldwork 2.8. Topsoil 75% adequate, 25% surplus. Subsoil 75% adequate, 25% surplus. Field corn 99% planted, 94% 1989, 97% avg. Soybeans 35% planted, 39% 1989, 42% avg. Sweet corn 95% planted, 82% 1989, 91% avg. Small grains good. Wheat 34% turning, 30% 1989, 16% avg. Barley 87% turning, 72% 1989, 78% avg. Lima beans 20% planted, 26% 1989. Alfalfa hay first cut 70% complete, 54% 1989, 85% avg. Other hay first cut 66% complete, 51% 1989, 78% avg.

MICHIGAN: Temperatures 1° below normal to 3° above normal. Extremes 30°; 87°. Precipitation none to 1.15 in. across State.

Days suitable for fieldwork 6.0. Soil moisture 10% short, 85% adequate, 5% surplus. Corn 95% planted, 97% 1989, 98% avg.; planted acres emerged 70%, 85% 1989, 85% avg.; 2% very poor, 8% poor, 35% fair, 45% good, 10% excellent. Soybeans 70% planted, 75% 1989, 70% avg. Wheat 20% headed, 15% 1989, 45% avg.; 5% poor, 15% fair, 50% good, 30% excellent. Dry beans 10% planted, 5% 1989, 10%

avg. Pasture 5% poor, 20% fair, 50% good, 25% excellent. Major activities: Completion of corn, potato planting with a large increase in soybean planting, summer pruning, thinning of fruit trees; planting vegetables including summer squash.

MINNESOTA: Temperatures 0 to 3° above normal. Extremes 29°; 86°. Precipitation 0.80 to 2.00 in., greatest weekly total 3.14 in.

Days suitable for fieldwork 4.7. Topsoil 3% very short, 16% short, 71% adequate, 10% surplus. Spring wheat 18% jointing, 25% 1989, 25% avg. Oats 27% jointing, 24% 1989, 34% avg. Barley 17% jointing, 18% 1989, 19% avg. Corn 95% planted, 97% 1989, 96% avg.; 78% emerged, 88% 1989, 87% avg.; 10% cultivated once, 24% 1989, 24% avg. Soybeans 79% planted, 90% 1989, 88% avg.; 30% emerged, 54% 1989, 59% avg.; 2% cultivated once, 5% 1989, 7% avg. Dry beans 96% planted, 87% 1989, 87% avg. Flax 99% planted, 81% 1989, 81% avg. Sunflowers 98% planted, 81% 1989, 77% avg. Sweet corn 71% planted, 75% 1989, 79% avg. Alfalfa 4% first crop, 9% 1989, 20% avg. Field corn 1% very poor, 7% poor, 49% fair, 41% good, 2% excellent. Soybean 3% very poor, 3% poor, 56% fair, 34% good, 4% excellent. Spring wheat 1% very poor, 32% fair, 46% good, 21% excellent.

MISSISSIPPI: Temperatures 2° below normal. Extremes 46°; 93°. Wet statewide. Rainfall 2.35 in., 1.40 in. above normal. Soil temperatures 76°.

Days suitable for fieldwork 2.8, 6.2 1989, 5.1 avg. Soil moisture 24% adequate, 57% surplus, 19% excessive. Wheat 100% heading, 100% 1989, 100% avg.; 67% mature, 65% 1989, 73% avg.; 7% harvested, 17% 1989, 18% avg.; 10% very poor, 28% poor, 53% fair, 9% good. Cotton 97% planted, 92% 1989, 98% avg.; 92% emerged, 81% 1989, 92% avg.; 6% squaring, 8% 1989; 6% poor, 51% fair, 38% good, 5% excellent. Corn 97% planted, 92% 1989, 98% avg.; 95% emerged, 91% 1989, 97% avg.; 7% silking, 3% 1989, 8% avg.; 1% poor, 25% fair, 69% good, 5% excellent. Rice 90% planted, 94% 1989, 99% avg.; 78% emerged, 91% 1989, 96% avg.; 12% poor, 48% fair, 40% good. Soybeans 32% planted, 36% 1989, 49% avg.; 23% emerged, 21% 1989, 33% avg. Sorghum 88% planted, 84% 1989, 91% avg.; 85% emerged, 74% 1989, 83% avg.; 3% poor, 38% fair, 59% good. Peanuts 51% planted, 86% 1989, 83% avg. Sweet potatoes 49% planted, 68% 1989, 71% avg. Watermelons 96% planted, 96% 1989, 93% avg. Peaches 19% harvested, 4% 1989; 37% very poor, 19% poor, 18% fair, 25% good, 1% excellent. Hay 26% harvested, 24% 1989, 30% avg. Pasture, livestock fair to good. Activities: Planting soybeans, cultivating row crops, cutting hay.

MISSOURI: Temperatures 3° below normal. Precipitation less than 0.25 in. north, 0.50 in. south.

Days suitable for fieldwork 1.8. Topsoil 1% short, 25% adequate, 74% surplus. Spring tillage, 80% complete, 99% 1989, 100% avg. Corn planting less than 33% west central, east central districts, over 70% northwest, southeast. Single crop soybean planting ranges 5% south central, southwest, 24% northwest. Alfalfa hay first cutting 14%, 68% 1989, 72% avg. Other hay 6% harvested, 30% 1989, 37% avg. Pasture 1% poor, 15% fair, 65% good, 19% excellent.

MONTANA: Temperature nearly normal statewide except slightly below west, slightly above east. Precipitation 0.10 to 2.00 in. Highest precipitation in west.

Days suitable for fieldwork 3.7. Topsoil 19% short, 65% adequate, 16% surplus. Subsoil 31%

short, 59% adequate, 10% surplus. Barley 1% poor, 14% fair, 60% good, 25% excellent; 98% planted, 93% 1989, 97% avg.; 89% emerged, 65% 1989, 88% avg. Oats 1% very poor, 2% poor, 20% fair, 61% good, 16% excellent; 97% planted, 83% 1989, 91% avg.; 87% emerged, 52% 1989, 86% avg. Sugarbeets 3% poor, 22% fair, 63% good, 12% excellent. Corn 89% planted, 70% 1989, 87% avg.; 51% emerged. Dry beans 93% planted, 86% 1989, 97% avg. Dry beans 66% emerged. Potatoes 80% planted, 66% 1989, 80% avg. Potatoes 15% emerged. Pasture, range feed 2% very poor, 6% poor, 26% fair, 51% good, 15% excellent. Cattle, calves moved to summer pastures 73%, 78% 1989, 81% avg. Sheep, lambs moved 74%, 75% 1989, 87% avg.

NEBRASKA: Temperatures 2° below normal across State. Extremes 45°; 87°. Precipitation occurred throughout the week, 0.10 east central, central portions up to 2.00 in. northwest.

Days suitable for fieldwork 3.7. Topsoil 86% adequate, 14% surplus. Subsoil 37% short, 63% adequate. Panhandle moisture helped, reduced somewhat damage being caused by Russian wheat aphids. Number of infested fields continued to increase, southwest. Many more fields probably will require treatment to protect flag leaf. Chinch bugs damaging some fields, southeast. Lodging after heavy rains, east. Corn 90% emerged, 94% 1989, 94% avg. Cool, cloudy weather slowed development, caused yellowing across State. Cutworms causing some concern, northeast. Sorghum, 20% emerged, 52% 1989, 58% avg. Soybeans 43% fair, 57% good; 20% emerged, 60% 1989, 62% avg. Alfalfa hay 2% poor, 24% fair, 68% good, 6% excellent; 10% first cutting, 33% 1989, 48% avg. Cool, wet weather delayed cutting, slowed development. Wild hay 3% poor, 57% fair, 40% good. Pasture, range feeds supplies 35% short, 65% adequate. Pastures showing improvement, need warm, sunny weather. Cattle good, most on summer pastures. Lots, holding areas muddy east. West, southwest received heavier rainfall, including some damaging hail 1st. Main activities: Planting soybeans, sorghum; cultivating corn; cutting alfalfa.

NEVADA: Rain early all areas. Unseasonably cool weather, snow over northern mountains. Gusty winds most of period.

Recent rains helped small grains, nearly 100% planted. Rain also good for ranges, alfalfa hay growth although some alfalfa hay acreage cut rained on. Most calving, lambing, shearing operations completed. Movement cattle, sheep to spring, summer ranges nearing completion except higher elevations.

NEW ENGLAND: Precipitation 0.25 in. northern Maine, 1.00 to 2.00 in. south. Temperatures low 60s, slightly above normal.

Days suitable for fieldwork 5.0. Soil moisture north 62% adequate, 38% surplus; south 28% adequate, 72% surplus. Grazing availability 73% adequate, 27% surplus. Maine potatoes 88% planted, 78% 1989, 88% avg.; 2% emerged, 3% 1989, 9% avg.; good. Rhode Island potatoes 83% planted, 100% 1989, 100% avg.; 43% emerged, 77% 1989, 75% avg.; fair. Connecticut River Valley potatoes 88% planted, 99% 1989, 97% avg.; 62% emerged, 85% 1989, 81% avg.; good. Maine oats 95% sown, 72% 1989, 63% avg.; good. Field corn 71% planted, 75% 1989, 83% avg.; 33% emerged, 55% 1989, 57% avg.; fair to good. Sweet corn 70% planted, 70% 1989, 75% avg.; 46% emerged, 50% 1989, 58% avg.; fair to good. Hay good. Apples full bloom to fruit set. Connecticut, Massachusetts peaches fruit set. Connecticut pears fruit set. Blueberries full bloom. Cranberries bud stage. Major farm activities: Corn planting, hay cutting, orchard spraying, fertilizer application.

NEW JERSEY: Temperatures slightly below normal. Extremes 37°; 87°. Rainfall 2.25 in. north, 2.53 in. central, south. Heaviest 24 hour total 2.80 in. on 29th, 30th. Estimated soil moisture percent field capacity averaged 93% north, 90% central, south. Four inch soil temperatures 63° north, 65° central; 66° south.

Fieldwork limited due to excess soil moisture. Warmer temperatures of the past few days beneficial. Iceberg lettuce harvest began. Spring vegetable harvest active. Strawberry picking increased. Apples, peaches, blueberries continue good early size. Some apple thinning underway. Some cut hay, straw rained on. Early planted field corn, soybeans continue good early growth. Some field corn still to be planted. Soybean crop about 50% planted. Pasture growth very good.

NEW MEXICO: Rain over north central, northeastern areas, rest of State dry, hot. Light to moderate wind damage.

Days suitable for fieldwork 7.0. Soil moisture 91% short, 9% adequate. Cotton planted 98%; 0% squaring; 43% fair, 57% good. Milo planted 66%; still too dry for planting. Cattle poor to good; sheep fair to good; range very poor to good.

NEW YORK: Temperatures close to normal, although there were large variations day to day. Extremes 28°; 86°. Scattered frost on 31st. Rains set in on 29th 1.00 to 2.00 in. fell in southeastern areas. Amounts decreased to the north. Warm weather returned at weekend.

Days suitable for fieldwork 4.3. Soil moisture adequate to surplus. Pasture 11% fair, 72% good, 17% excellent. Corn 56% planted, 57% 1989, 79% avg. Early planted fields emerged. Hay good to excellent. Harvest started. Oats 93% seeded, 91% 1989, 96% avg. Hudson Valley apples show extreme variations in fruit set. Sweet cherries exhibit fair crop, heavy drop. Vegetables need warmer weather. Green pea planting nearing completion. Onion stands good. Snap bean, sweet corn planting continues. Orange County celery transplanting in full swing.

NORTH CAROLINA: Temperatures 2 to 4° below normal across the State. Extremes 43°; 91°. Precipitation 0.65 to 4.30 in.

Days suitable for fieldwork 3.5. Soil moisture 4% short, 49% adequate, 47% surplus. Pasture 12% fair, 77% good, 11% excellent. Livestock feed from pasture 81%. Hay first cutting 61%. Hay second cutting 11%. Sorghum planted 60%; soybeans planted 51%; peanuts planted 98%. Sweet potatoes transplanted 67%. Burley tobacco transplanted 60%. Crop condition: Wheat 2% poor, 23% fair, 74% good, 1% excellent; oats, 2% poor, 23% fair, 75% good; corn 19% fair, 70% good, 11% excellent; cotton 16% fair, 84% good; soybeans 2% poor, 30% fair, 66% good, 2% excellent; peanuts 25% fair, 70% good, 5% excellent; flue cured tobacco 2% poor, 19% fair, 74% good, 5% excellent; irish potatoes 19% fair, 74% good, 7% excellent; sweet potatoes 18% fair, 73% good, 9% excellent; peaches 19% very poor, 23% poor, 36% fair, 19% good, 3% excellent; apples 17% poor, 35% fair, 44% good, 4% excellent; truck crops 29% fair, 69% good, 2% excellent; hay 1% poor, 18% fair, 78% good, 3% excellent. Major activities: Planting soybeans, cultivating, spraying flue cured tobacco, hay harvesting, transplanting burley tobacco, harvesting small grains, planting sorghum, peanuts. Other activities included: Land preparation, planting truck crops, harvesting blueberries, strawberries, tending livestock, transplanting sweet potatoes, cultivating corn,

cotton, soybeans, harvesting irish potatoes, peaches, general farm maintenance.

NORTH DAKOTA: Temperatures 3 to 6° above normal. Extremes 38° east central, 2nd; 91° south central, 1st. Significant rainfall over most of State, 0.32 in. southwest to 1.76 in. east central.

Days suitable for fieldwork 5.0. Soil moisture supplies improved. Topsoil 33% short, 67% adequate. Subsoil 32% very short, 61% short, 7% adequate. Spring wheat 1% very poor, 4% poor, 21% fair, 68% good, 6% excellent; 93% emerged and beyond, 90% 1989, 93% avg. Durum wheat 2% very poor, 1% poor, 23% fair, 63% good, 11% excellent; 90% emerged and beyond, 84% 1989, 89% avg. Oats 3% very poor, 6% poor, 33% fair, 53% good, 5% excellent; 92% emerged and beyond, 86% 1989, 92% avg. Barley 1% very poor, 2% poor, 15% fair, 74% good, 8% excellent; 95% emerged and beyond, 94% 1989, 95% avg. Winter wheat 2% very poor, 26% poor, 45% fair, 23% good, 4% excellent; 75% jointing and beyond, 73% 1989, 90% avg. Late season crop planting near average. Corn 93% planted, 90% 1989, 91% avg.; flax 89%, 82% 1989, 86% avg.; potatoes 96%, 97% 1989, 96% avg.; soybeans 95%, 85% 1989, 89% avg.; dry edible beans 88%, 81% 1989, 87% avg.; sunflower 82%, 70% 1989, 74% avg. Pastures improved 3% very poor, 43% poor, 42% fair, 11% good, 1% excellent; furnished 78% roughage requirements. Stockwater 9% very short, 52% short, 39% adequate; quality mostly fair to good.

OHIO: High temperatures low to mid 70s; 2 to 7° subnormal. Low temperatures upper 40s to lower 50s; 1 to 5° subnormal. Patchy frost 2nd, 3rd. Rainfall 0.75 to 2.00 in. central, north; 1.40 to 3.00 in. south, 0.50 to 2.00 in. above normal.

Days suitable for fieldwork 2.2. Soil moisture 1% short, 44% adequate, 55% surplus. Need dry, warm, sunny weather. Corn fair to good; slow growth because of cool, cloudy. Slugs a problem in no till corn; crusting a problem too. Soybeans fair to good; planting steady late. Winter wheat fair to good; improved powdery mildew less significant. Oats fair to mostly good. Pastures 1% very poor, 5% poor, 32% fair, 54% good, 8% excellent. Haying active north, limited elsewhere; most stands past prime for harvest. Alfalfa weevils on decline.

OKLAHOMA: Temperatures 1° below normal northeast to 5° below normal Panhandle. Precipitation 0.60 in. north central to 3.09 in. west central.

Days suitable for fieldwork 4.8. Topsoil 20% short, 45% adequate, 35% surplus. Subsoil 10% short, 90% adequate. Wheat 15% fair, 84% good, 1% excellent; 99% heading, 100% 1989, 100% avg.; 55% soft dough, 90% 1989, 80% avg.; 1% harvested, 10% 1989, 5% avg. Cotton 17% poor, 3% fair, 75% good, 5% excellent; 55% planted, 60% 1989, 45% avg.; none squaring, none 1989, none avg. Recent floods may cause replanting. Sorghum 30% planted, 25% 1989, 45% avg. Soybeans 25% planted, 50% 1989, 50% avg. Peanuts 45% planted, 55% 1989, 65% avg. Corn none tasselling, 1% 1989, 2% avg. Alfalfa first cutting 80% harvested, 90% 1989, 95% avg. Pastures 40% fair, 50% good, 10% excellent. Cattle 8% fair, 85% good, 7% excellent. Cattle marketings stable, prices down from preceding week.

OREGON: Cool, wet week. Areas cooler than normal, except north coast 3° above normal. Willamette Valley near normal. South central, southwestern valleys 9° below normal. Heaviest precipitation up to 3.20 in. High plateau; 2.10

in. along coast. Remaining areas received 0.80 to 1.60 in.

Soil moisture 28% short, 52% adequate, 20% surplus. Barley 95% planted, 96% 1989, 100% avg. Crop development slowed, fieldwork limited by continued cool, damp weather. Hay cutting, spraying for weeds, disease delayed. Fruit, berry development also delayed; spraying made difficult by the rains. Rain cracking earliest cherry orchards. The Dalles, most orchards still good. Minor cherry splitting Hood River. Some cracking green cherries Willamette Valley. Strawberry picking started. Blackberries in full bloom, weather caused reduced bee pollination activity. Bees for pollination installed in cranberry bogs Coos, Curry counties. Hail damage to apples Lane County. Seed potato planting halted by heavy rains, snow Wallowa County. Potato emergence slowed by cool soil temperatures Klamath County. Willamette Valley vegetable crops also slowed by cool weather. Livestock good to excellent. Stockwater supplies still of concern south central, southeast. Range, pasture mostly good to excellent west, except poor to fair southwest, mostly poor to fair east except good northeastern mountains, Klamath Basin, generally improved but still dry.

PENNSYLVANIA: Cool wet weather prevailed at the beginning of week with warmer drier conditions later in week. Temperature 60°; 2° below normal. Extremes 31°; 85°. Precipitation 1.35 in., 0.52 in. above normal.

Days suitable for fieldwork 3.0. Soil moisture 54% adequate, 46% surplus. Plowing 93% complete, 88% 1989, 96% avg. Corn 72% planted, 52% 1989, 81% avg. Soybeans 35% planted, 18% 1989, 50% avg. Oats 97% planted, 95% 1989, 99% avg. Potatoes 83% planted, 77% 1989, 91% avg. Barley 10% pre boot, 19% 1989, 13% avg.; 18% boot, 6% 1989, 7% avg.; 72% heading or headed, 75% 1989, 80% avg. Wheat 10% pre boot, 27% 1989, 58% avg.; 25% boot, 24% 1989, 17% avg. 65% heading or headed, 49% 1989, 73% avg. Wheat 2% very poor, 2% poor, 21% fair, 56% good, 19% excellent. Oats 4% poor, 16% fair, 57% good, 23% excellent. Hay stands mostly fair to good. Alfalfa first cutting: 22% complete, 23% 1989, 38% avg. Quality of hay made 16% poor, 72% fair, 12% good. Feed from pastures mostly average. Peaches 100% full bloom or past, 97% 1989, 100% avg. Cherries 100% full bloom or past, 97% 1989, 99% avg. Apples 0% pre-pink, 0% 1989, 0% avg.; 3% pink, 5% 1989, 1% avg.; 97% full bloom or past, 95% 1989, 99% avg. Activities: Spring plowing; planting corn, oats, soybeans, potatoes, vegetables; harvesting hay, haylage; repairing fence; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

SOUTH CAROLINA: Temperatures 69° northwest to 76° along the south coast. Rainfall 0.80 in. west central to 1.70 in. northeast.

Days suitable for fieldwork 5.2. Soil moisture 2% very short, 49% short, 49% adequate. Cotton 8% fair, 92% good; 97% planted, 93% 1989, 98% avg.; 0% squaring, 1% 1989, 5% avg. Corn good; 2% silked, 0% 1989, 4% avg. Watermelons good; 91% planted, 92% 1989, 96% avg. Cantaloupes good; 88% planted, 89% 1989, 92% avg. Peaches fair; 17% harvested, 9% 1989, 6% avg. Oats good; 97% turning color, 91% 1989, 92% avg.; 77% ripe, 68% 1989, 64% avg.; 36% harvested, 13% 1989, 20% avg. Wheat good; 81% ripe, 71% 1989, 65% avg.; 35% harvested, 27% 1989, 19% avg. Pastures good.

SOUTH DAKOTA: Temperatures 4° above to 1° below normal. Extremes 41°; 87°. Precipitation above normal most areas. Rainfall widespread, northwest corner with least moisture. Maximum 2.60 in. Growing season precipitation above normal south,

below normal north. Rainfall 4.70 in. above to 1.57 in. below normal. Growing degree days 97 units above to 97 units below normal.

Days suitable for fieldwork 4.3. Subsoil 8% critically short, 49% short, 43% adequate. Topsoil 2% critically short, 16% short, 74% adequate, 8% surplus. Row crop planting continued to progress. Small grains condition mostly good. Range, pasture good to fair, livestock mostly good. Major activities: Planting row crops, spraying, working cattle, fencing.

TENNESSEE: Low pressure area brought rain 28th followed by high pressure, fair weather through 30th. Return flow of southerly winds brought warm, humid weather 31st, 1st. Cold front brought rain again 2nd, 3rd. Temperatures below normal east, slightly above normal middle, west. Precipitation 0.75 in. below normal statewide.

Days suitable for fieldwork 4.0. Soil moisture 2% short, 71% adequate, 27% surplus. Corn 90% planted, 100% 1989, 98% avg.; 1% tasseling, 2% 1989, 1% avg.; 5% poor, 45% fair, 48% good, 2% excellent. Cotton 92% planted, 100% 1989, 99% avg.; 3% very poor, 23% poor, 63% fair, 11% good. Sorghum 52% planted, 79% 1989, 80% avg.; 5% poor, 50% fair, 44% good, 1% excellent. Soybeans 20% planted, 46% 1989, 49% avg. Tobacco 70% transplanted, 56% 1989, 70% avg.; 32% fair, 68% good. Wheat 78% turning color, 63% 1989, 81% avg.; 10% ripe, 3% 1989, 24% avg., 2% harvested, 1% 1989, 2% avg.; 6% very poor, 17% poor, 50% fair, 27% good. Alfalfa 82% 1st cutting, 96% 1989, 94% avg. Rain, hail damage to tobacco. Farmers worked long, hard days to bring planting progress closer to schedule.

TEXAS: Weak front lingered over State much of week, interacted with upper air disturbance, triggered thunderstorms, some severe eastern south Plains. Temperatures northwest cool early, late week, upper level high pressure produced hot weather over southwest, central areas weekend. Temperatures slightly below normal High, Low Plains, near normal north central, above normal over rest of the State. Rainfall above normal north, east; below normal west, south.

Crops: Small grain harvest winding down rapidly central with open weather. Humid conditions Blacklands slowed harvest some. Yields average to good. Harvest continued some delays Low Plains, Cross Timbers. Yields average. Hail, high winds caused lodging some High Plains fields. Other fields, moisture help fill heads. Corn fields many parts central, south stressed for moisture. Progress Blacklands good. Fields Plains emerge to good stands. Upper Coast, Coastal Bend most dryland fields could use rain. Corn 14% silked, 34% 1989, 39% avg. Grain sorghum planting continued part week Plains. Added moisture improved soil moisture for planting. Growth good Blacklands. Producers busy cultivating fields, treating for aphids. Some planting still not completed. Fields heading central. Rain needed central down into Coastal Bend, hot temperatures stressing crop. Fields Valley beginning to turn color. Sorghum 23% headed, 27% 1989, 29% avg. Cotton planting continued Blacklands, Plains part week. High winds, blowing sand damaged some young fields. Some replanting occurred. Stands varied. Dryland fields need rain. Cultivating, spraying continued Blacklands, central. Fields squaring. Fields bolls Coastal Bend, Valley. Spraying Upper Coast. Soybeans show good growth, development Blacklands, Upper Coast. Later fields Upper Coast could use rain. Planting continued Upper Coast, Plains. Rice planting virtually completed Upper Coast. Emergence good. Weed controls, fertilization continued. Peanuts up to good stands, showing good development Plains. Planting continued irrigated land Cross Timbers.

Dryland fields need more rain planting moisture. South fields need rain. Planting slowed by dry conditions. Other Field Crops: Peanuts planted 29%, 20% 1989, 33% avg. Soybeans planted 60%, 47% 1989, 46% avg. Sunflowers 41% planted, 27% 1989, 27% avg. Oats harvested 21%, 27% 1989, 31% avg.

Commercial Vegetables: Rio Grande Valley, cantaloupe, honeydew harvest coming to an end. Cucumbers, peppers being harvested. Hot temperatures hurt peppers. San Antonio Winter Garden, onion harvest continued without much delay. Yields good. Eastern areas, harvest peas, beans, squash, greens continued. Disease problem. High Plains, hail damage some onion fields. Other vegetables, potatoes good progress. Trans Pecos, onion harvest beginning. Cantaloupe, pepper progress good. Harvest early variety peaches winding down, later varieties starting. Good late variety crop expected. Pecan spraying casebearers winding down central, south. Spraying continued north. Casebearer numbers high untreated groves. Zinc applications, irrigation Trans Pecos.

Range and Livestock: Haying operations increasing many areas. Rain some cut hay east. Pastures declining south, hot temperatures took toll on grasses. Livestock good condition. Markets good.

UTAH: Temperatures 4° below normal. Precipitation was light to moderate in southern half of State, moderate to heavy in northern half.

Days suitable for fieldwork 5.4. Soil moisture 60% short, 40% adequate. Cold weather slowed crop growth some areas. Much of first cutting alfalfa was rained on in Weber County, other areas. Insects beginning to move to irrigated areas due to very dry conditions on ranges. Winter, spring wheat good, barley fair to good. Alfalfa fair. Winter wheat booted or better 74%, 68% 1989, 68% avg.; headed 52%, 39% 1989, 41% avg. Spring wheat, barley 64% booted; 36%, 34% headed respectively. First cutting alfalfa hay 38% completed, 40% 1989, 29% avg. Corn acreage 86% emerged, 91% 1989, 78% avg.; height 5.0 in. Crop prospects for apricots, sweet cherries, tart cherries, peaches, mostly poor; very poor in Utah County, fair, good other areas. Pear crop good in all areas. Cattle, sheep movement to summer range nearing completion. Some herds reduced due to lack of water, range feed.

VIRGINIA: Cloudy, cool, wet through mid week. Widespread rains, thunderstorms producing at least 1.00 in. rain in all locations. Warsaw 7.37 in. Precipitation 2.50 in. statewide. Warming trend developed by weekend. Temperatures about 6° below normal. Extremes 40°; 86°.

Days suitable for fieldwork 2.0. Topsoil 29% adequate, 71% surplus. Corn planted 96% complete, 84% 1989, 89% avg.; 1% poor, 33% fair, 57% good, 9% excellent. Soybeans planted 42% complete, 28% 1989, 36% avg.; 6% poor, 41% fair, 51% good, 2% excellent. Pasture 12% fair, 40% good, 48% excellent. Alfalfa 2% poor, 19% fair, 56% good, 23% excellent. Other hay 4% poor, 19% fair, 56% good, 21% excellent. Some hay damaged by rain. Potatoes 34% fair, 66% good. Apples fair to good. Flue tobacco planting nearly complete, 85% 1989, 80% avg. Burley planting 46% complete, 42% 1989, 26% avg. Fire tobacco 85% planted, 61% 1989, 63% avg. Sun tobacco nearly complete, 88% 1989, 69% avg. All tobacco 35% fair, 30% good, 35% excellent. Small grains harvest just beginning. Harvesting hay, cultivating tobacco, spraying, planting vegetables, spraying peanuts for weeds, sheep shearing, livestock care. Heavy rains hindered farm activities, drowned some corn, soybeans.

WASHINGTON: Temperatures 1 to 6° below normal, east; 2° above normal to 2° below normal, west. Precipitation 0.04 to 2.92, east; 0.77 to 1.20, west.

Days suitable for fieldwork 2.4. Soil moisture 37% short, 60% adequate, 3% surplus. Range, pasture 43% short, 55% adequate, 2% surplus. Hay, other roughage 20% very short, 30% short, 50% adequate. Cool, rainy weather continued to slow plant development, farm activity. Winter wheat headed, 55%, 50% 1989, 47% avg. Spring wheat headed 30%, 19% 1989, 20% avg. Barley headed 48%, 26% 1989, 23% avg. Potatoes emerged 89%, 95% 1989, 90% avg. Alfalfa hay, 1st cutting, 43%, 48% 1989, 43% avg. Rust, Russian wheat aphids, frost, hail, rain, drought stress damage have been reported in small grains in various areas of the State. Cherry harvest continued with more cracking damage. Asparagus harvest continued. Dry area range condition improved with recent rains.

WEST VIRGINIA: Temperature 62°, 1 to 5° below normal. Extremes 36°; 90°. Precipitation 1.46 in.; above normal.

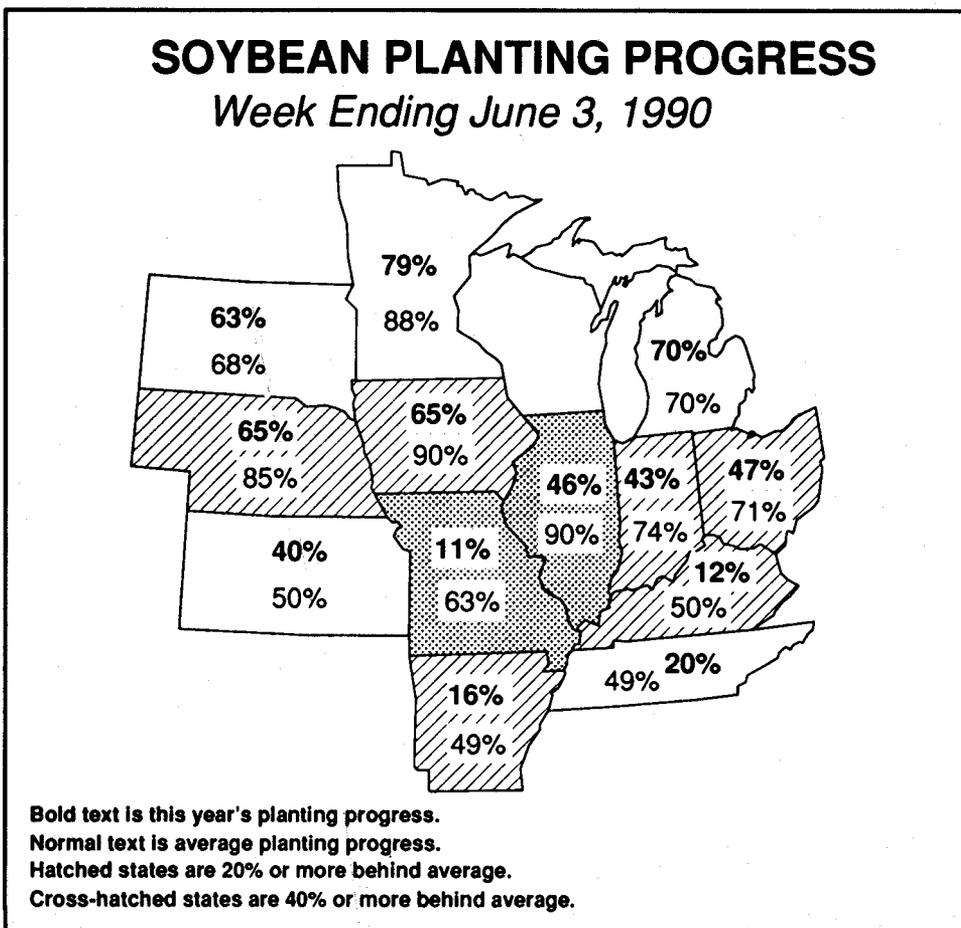
Days suitable for fieldwork 2.5. Soil moisture 30% adequate, 70% surplus. Pasture 78% good, 22% excellent. Cattle, sheep good to fair. Feed supplies adequate to surplus. Wheat, barley, oats, good; wheat 93% headed, barley 100% headed, oats 80% emerged. Corn good; planting 91% complete, 82% emerged. Hay good to fair; first cutting 8% complete. Apples, peaches poor. Tobacco good to fair; 40% set. Farm activities: Corn planting, hay harvest, tobacco setting, livestock care.

WISCONSIN: Temperature 60°, 3° below normal. Extremes 24°; 88°. Precipitation 0.30 to 1.20 in.

Days suitable for fieldwork 5.6. Soil moisture 6% short, 82% adequate, 12% surplus. Pasture 85% of normal, 79% 1989, 78% avg. General condition of crops 1% poor, 18% fair, 77% good, 4% excellent. Winter wheat 2% poor, 10% fair, 68% good, 20% excellent. Corn 1% very poor, 8% poor, 50% fair, 40% good, 1% excellent; planted 89%, 94% 1989, 96% avg.; height 2 in., 5 in. 1989, 5 in. avg. Soybeans planted 50%, 78% 1989, 80% avg. First cut hay 8% completed, 6% 1989, 20% avg.

WYOMING: Temperatures near to below normal. Precipitation below normal except southeast well above normal.

Days suitable for fieldwork 5.0. Topsoil 25% short, 75% adequate. Subsoil 34% short, 66% adequate. Seeding spring planted small grains wind up stages most areas. Spring wheat emerged 85%, 90% 1989, 85% avg. Oats emerged 85%, 90% 1989, 75% avg. Barley emerged 95%, 90% 1989, 90% avg. Sugarbeets emerged 95%, 95% 1989, 95% avg.; thinned 10%, 30% 1989. Corn planted 95%, 95% 1989, 90% avg.; emerged 50%, 60% 1989, 60% avg. Potatoes planted 80%, 95% 1989, 75% avg.; emerged 60%, 60% 1989, 40% avg. Dry beans planted 45%, 75% 1989, 40% avg.; emerged 10%, 15% 1989, 15% avg. Winter wheat mostly good. Livestock good. Calf, lamb loss light to normal. Ranges, pastures mostly good. Stockwater 25% short, 75% adequate. Livestock moved to summer ranges: 50% cattle, 50% sheep.



MAY 1990

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

International Weather and Crop Summary

HIGHLIGHTS

May 27-June 2, 1990

USSR ... In Western USSR, unseasonably cool weather accompanies widespread light to moderate precipitation, favoring crop growth. In the New Lands, spring grain planting nears completion, helped by generally dry weather. Unseasonably warm weather favors rapid crop emergence but increases evaporation rates.

EUROPE ... Moderate to heavy rain helps reduce dryness in much of the Balkans. Cool temperatures slow crop growth in the north.

SOUTH ASIA ... Continuing rain in southern, central, and eastern summer crop areas improves planting conditions.

EASTERN ASIA ... Heavy rain continues in southern China. Rain in northern and eastern crop areas benefits winter and spring crops.

SOUTHEAST ASIA ... Excessive rain continues across northern Thailand. Inundating rains in the northwestern Philippines causes some flooding.

SOUTH AMERICA ... Showers moisten topsoils in Argentina for wheat planting, but inundating rain soaks southern wheat areas of south-central Brazil.

AUSTRALIA ... Rain favors winter grains in New South Wales and Western Australia.

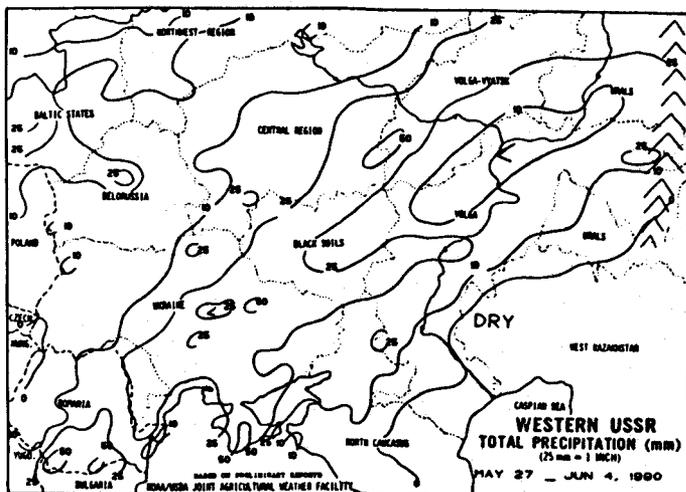
MEXICO ... Dry weather prevails in the north. Light, variable rain falls in the south.

CANADA ... Warm, wet weather across the Prairies causes fieldwork delays but improves soil conditions for crop establishment.

COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)	
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	DPART F/NRM
NORWAY OSLO	18	5	26	1	11	2.4	11.1 -50.5
SWEDEN STOCKHOLM	17	6	27	-1	11	1.1	22.9 -7.7
FINLAND HELSINKI	15	4	25	-2	10	0.3	35.2 1.3
U KING GLASGOW	17	7	25	1	12	0.4	39.2 -31.9
EDINBURGH	16	6	23	1	11	0.9	30.3 -20.4
BIRMINGHAM	19	7	27	1	13	2.1	15.1 -40.7
LONDON	20	7	27	1	13	2.1	8.1 -47.9
IRELAND DUBLIN	17	9	23	5	13	2.0	37.9 -19.8
ICELAND REYKJAVIK	10	5	15	2	7	0.7	69.0 29.1
DENMRK COPENHAGEN	18	8	23	4	13	1.0	26.1 -15.8
LUXEMB LUXEMBOURG	21	9	26	5	15	2.6	14.9 -51.3
SWITZL ZURICH	21	10	24	5	15	3.0	93.2 -8.6
GENEVA	23	10	27	6	16	2.8	45.1 -23.8
FRANCE PARIS	22	9	28	4	15	1.9	4.2 -50.7
STRASBOURG	22	9	26	3	16	2.2	15.4 -46.8
BOURGES	22	11	27	7	16	2.9	43.0 -28.7
BORDEAUX	24	13	28	7	18	4.0	9.9 -59.8
TOULOUSE	24	12	29	8	18	3.2	21.0 -51.5
MARSEILLE	25	14	28	11	19	2.5	51.1 8.8
SPAIN VALLADOLID	23	9	31	4	16	2.0	40.8 -3.2
MADRID	25	9	30	5	17	0.6	12.0 -28.3
SEVILLE	29	15	35	12	22	1.9	16.4 -19.1
E GRMY LEIPZIG	21	8	26	4	15	1.9	14.2 -36.5
DRESDEN	21	9	25	5	15	1.9	10.6 -52.4
W GRMY HAMBURG	19	8	28	2	14	2.0	34.1 -20.4
BERLIN	21	10	28	6	15	1.8	39.8 -13.7
DUSSELDORF	21	9	29	4	15	1.2	20.0 -39.9
STUTTGART	20	8	25	2	14	1.5	51.9 -27.3
NURNBERG	22	7	25	1	15	1.7	19.2 -40.3
MUNICH	20	8	24	2	14	2.0	141.6 42.2
AUSTRI VIENNA	21	9	26	4	15	0.3	66.3 4.3
INNSBRUCK	22	9	27	2	16	2.4	56.8 -28.4
CZECH PRAGUE	20	7	24	1	14	1.1	39.3 -27.7
POLAND WARSAW	20	7	25	1	14	0.6	23.9 -28.3
LODZ	20	7	25	0	13	0.5	27.6 -23.5
KATOWICE	20	7	25	2	14	0.9	55.7 -12.4
PRZEMYSL	19	8	24	1	14	0.5	80.8 10.4
HUNGAR BUDAPEST	23	12	28	6	17	1.5	34.6 -13.9
YUGOSL SARAJEVO	22	9	29	3	16	1.8	49.0 -35.1
ROMANI BUCHAREST	24	9	34	3	17	-0.1	51.5 -19.6
BULGAR SOFIA	20	10	31	2	15	0.2	55.5 -26.9
ITALY MILAN	24	13	30	9	19	2.2	76.0 -11.5
VERONA	26	14	32	8	20	3.1	37.2 -44.0
VENICE	23	14	27	1	19	1.8	33.4 -37.3
GENOA	23	16	27	10	19	1.6	10.4 -97.6
ROME	23	12	30	8	18	0.3	16.4 -21.5
NAPLES	25	15	33	12	20	2.9	10.9 -41.3
GREECE THESSALONIKA	24	13	36	4	18	-1.1	63.9 14.6
LARISSA	26	11	38	2	19	-1.1	55.5 15.2
ATHENS	24	16	33	9	20	-0.6	0.1 -20.9
TURKEY ISTANBUL	20	12	31	4	16	0.4	40.2 10.2
ANKARA	19	6	31	-1	12	-4.4	30.8 -11.2
CYPRUS LARNACA	26	15	38	10	20	-0.1	1.0 -9.9
USSR TALLINN	15	5	21	-1	10	0.8	24.1 -13.4
LENINGRAD	13	6	20	0	10	-0.4	67.7 29.7
KAUNAS	18	6	24	-1	12	-0.4	49.5 -3.5
MINSK	18	7	25	0	12	0.0	51.8 -9.6
KAZAN	16	6	24	-1	11	-2.2	33.5 -4.6
MOSCOW	16	6	22	-1	11	-1.8	55.5 -4.9
SVERDLOVSK	14	5	25	-2	10	-1.7	79.3 37.9
OMSK	20	8	30	-2	14	2.0	61.5 35.0
KUSTANAY	20	8	28	1	14	-0.1	58.8 35.3
KRASNOYARSK	20	8	32	0	14	4.9	57.4 14.3
NOVOSIBIRSK	20	9	31	-2	15	5.2	37.0 4.0
BARNAUL	21	9	28	1	15	3.1	26.3 -9.6
KHABAROVSK	20	8	29	0	14	2.5	28.2 -33.6
VLADIVOSTOK	13	8	27	2	10	0.9	125.6 52.0
KIEV	20	10	25	3	15	0.2	30.8 -21.0
LVOV	19	7	24	0	13	0.2	85.6 13.5
KIROVOGRAD	20	8	27	2	14	-1.2	43.6 -4.3

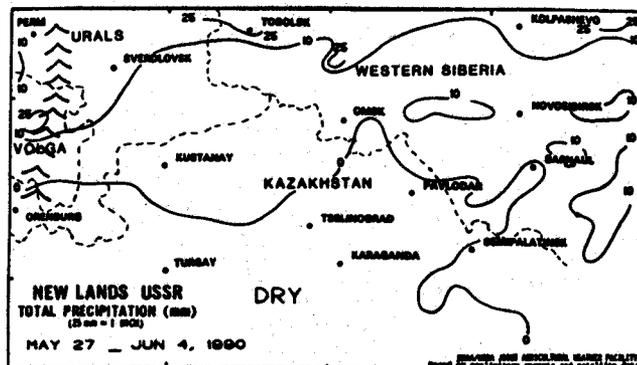
BASED ON PRELIMINARY REPORTS

COUNTRY CITY		TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY CITY		TEMPERATURE (C)					PRECIPITATION (MM)		
MAY 1990		AVG	AVG	HI	LO	DPART	TOTAL		DPART	MAY 1990		AVG	AVG	HI	LO	DPART	TOTAL		DPART
		MAX	MIN	MAX	MIN	F/NRM	F/NRM	F/NRM	F/NRM			MAX	MIN	MAX	MIN	F/NRM	F/NRM	F/NRM	F/NRM
USSR	OEDESSA	19	11	26	3	15	0.2	52.8	9.3	TANZAN	DAR ES SALAAM	30	22	32	20	27	0.4	136.4	-28.4
	YALTA	20	12	24	8	16	-0.5	35.7	10.8	GABON	LIBREVILLE	29	24	37	20	27	0.0	376.8	108.9
	VORONEZH	18	6	24	1	12	-2.2	28.5	-22.6	TOGO	LOME	31	25	33	21	28	1.1	32.3	-115.7
	SARATOV	18	9	26	1	14	-1.1	59.1	15.4	B FASO	OUAGADOUGOU	38	27	40	21	23	1.5	116.4	30.7
	KHARKOV	19	8	25	3	13	-2.0	58.0	11.0	IVRY C	ABIDJAN	31	25	32	17	28	0.7	153.8	-169.0
	VOLGOGRAD	19	9	26	1	14	-3.0	107.9	76.1	MOZAMB	MAPUTO	27	17	33	13	22	0.8	19.0	-9.6
	ROSTOV	20	10	26	4	15	-1.9	24.6	-25.2	ZAMBIA	KABWE	25	13	28	10	19	1.1	4.0	-1.0
	ASTRAKHAN	23	11	30	4	17	-1.4	19.1	-1.6	ZIMBAB	HARARE	23	12	28	8	18	1.7	0.8	-11.1
	KRASNODAR	22	10	31	4	16	-1.3	108.4	45.6	S APRI	PRETORIA	21	9	27	5	15	1.4	5.6	-15.4
	ORENBURG	19	8	28	0	14	-2.0	17.1	-11.2		KROONSTAD	20	4	26	-3	12	0.0	10.1	-12.9
	TSELINOGRAD	21	9	29	2	15	2.5	11.6	-15.1		JOHANNESBURG	17	5	21	-1	11	-1.1	15.3	-5.7
	KARAGANDA	22	7	29	-1	14	1.1	17.1	-13.6		BETHAL	19	3	24	-3	11	-0.9	29.0	10.0
	TBILISI	21	12	31	6	16	-1.5	41.6	-37.0		DURBAN	25	15	32	10	20	1.0	25.6	-31.3
	TASHKENT	28	15	37	9	22	1.4	19.5	-25.4		CAPE TOWN	21	9	31	3	15	0.7	75.6	-20.6
	ASHKHABAD	31	16	39	9	23	0.1	6.1	-21.9	CANADA	TORONTO	17	6	25	0	12	-0.5	86.5	0.5
SYRIA	DAMASCUS	30	10	41	1	20	-0.7	0.1	-5.3		MONTREAL	17	6	26	2	12	-1.4	78.3	12.8
ISRAEL	JERUSALEM	25	12	36	5	18	-1.6	3.1	-1.1		WINNIPEG	18	3	28	-6	10	-0.8	30.0	-35.7
PAKIST	KARACHI	35	27	38	22	31	0.4	0.1	0.1		REGINA	18	5	29	-4	11	0.2	41.5	-5.0
INDIA	AMRITSAR	39	23	43	18	31	1.0	5.3	-9.1		SASKATOON	18	4	28	-7	11	-0.2	27.7	-11.8
	NEW DELHI	38	26	43	18	32	-0.9	45.3	28.4		LETHBRIDGE	17	4	27	-4	10	-0.8	64.2	13.4
	AHMEDABAD	41	28	44	18	34	0.3	24.2	18.0		CALGARY	15	3	26	-3	9	-0.5	101.0	52.4
	INDORE	38	25	41	20	32	-0.8	53.0	43.6		EDMONTON	18	5	27	-2	12	0.4	42.3	-0.2
	CALCUTTA	35	26	38	22	30	-1.4	196.9	114.7		VANCOUVER	17	9	23	5	13	0.5	55.6	4.0
	VERAYAL	32	25	34	18	29	0.3	4.0	2.3	MEXICO	GUADALAJARA	31	15	36	10	23	-0.3	53.4	26.8
	BOMBAY	33	27	36	24	30	0.3	95.5	75.6		MEXICO CITY	26	15	30	11	20	1.8	102.6	51.0
	POONA	36	23	40	18	30	-0.3	39.2	-6.8		ACAPULCO	34	26	35	23	30	1.5	17.8	-13.9
	BHAMPET	34	24	37	22	29	-3.4	171.2	133.0	BERMUD	ST. GEORGES	26	21	28	17	23	1.6	105.8	3.6
	MADRAS	35	27	39	24	31	-1.9	339.6	294.4	BAHAMA	NASSAU	31	23	33	18	27	1.6	47.8	-69.1
	MANGALORE	33	25	36	22	29	-0.3	313.8	80.9	CUBA	HAVANA	30	23	32	21	27	1.1	148.7	33.8
H KONG	HONG KONG	27	23	31	20	25	-1.0	121.4	-182.1	JAMAIC	KINGSTON	33	25	34	23	29	1.4	8.9	-86.5
N KREA	PYONGYANG	18	10	25	5	14	-0.4	125.4	48.4	P RICO	SAN JUAN	33	26	35	21	28	1.6	1.8	-147.7
S KREA	SEOUL	21	13	27	7	17	0.5	130.1	44.0	GUADEL	RAIZET	31	24	32	21	27	1.0	197.4	102.0
JAPAN	SAPPORO	18	10	29	3	14	1.8	31.4	-27.7	MARTNQ	LAMETIN	31	25	32	22	28	2.1	52.2	-51.4
	NAGOYA	24	15	28	10	19	1.1	160.5	-1.2	BARBAD	BRIDGETOWN	30	25	31	22	27	0.0	91.6	37.0
	TOKYO	23	16	28	11	20	1.2	128.6	-19.3	TRINID	PORT OF SPAIN	31	24	34	23	28	0.9	66.1	-44.5
	YOKOHAMA	23	16	27	12	19	1.2	111.6	-52.1	COLOMB	BOGOTA	19	10	22	4	14	0.7	100.2	15.0
	KYOTO	24	14	29	8	19	1.6	174.7	31.9	VENEZU	CARACAS	30	25	33	22	27	0.9	125.7	92.5
	OSAKA	24	16	28	11	20	0.7	149.7	8.8	F GUIA	CAYENNE	30	24	31	23	27	1.3	724.9	139.5
THAILN	PHETCHABUN	35	25	40	24	30	0.6	184.1	32.9	BRAZIL	FORTALEZA	30	24	32	23	27	0.4	226.6	-56.7
	BANGKOK	34	27	37	24	30	0.5	231.4	46.5		RECIFE	29	22	31	19	25	0.0	271.6	-39.9
MALAYS	KUALA LUMPUR	32	25	34	20	28	1.1	78.6	-118.1		BELO HORIZONTE	26	17	29	8	21	1.5	50.2	24.8
VIETNM	HANOI	30	24	33	19	27	-1.1	237.7	42.1		CAMPO GRANDE	26	16	31	5	21	0.5	327.6	246.6
CHINA	HARBIN	21	8	30	3	15	1.0	31.2	-6.3		FRANCA	24	15	26	5	19	0.6	68.3	28.4
	HAMI	28	12	36	3	20	-0.9	3.0	1.3		RIO DE JANEIRO	26	20	32	16	23	0.6	119.0	33.4
	LANCHOW	23	11	31	4	17	0.1	39.0	2.8		LONDRINA	24	13	28	3	18	0.1	95.0	4.5
	BEIJING	25	14	30	8	20	-0.2	100.1	67.0		SANTA MARIA	21	11	28	2	16	-0.7	124.8	-38.3
	TIENPISIN	25	15	33	10	20	-0.1	32.4	1.8		PORTO ALEGRE	21	11	26	1	16	-1.2	54.4	-60.7
	LHASA	19	6	25	1	12	-0.1	65.3	43.7	PERU	LIMA	23	17	27	16	20	1.6	1.7	1.0
	KUNMING	22	13	28	6	18	-1.4	175.0	81.9	BOLIVI	LA PAZ	14	0	17	-3	7	-0.9	27.1	13.4
	CHENGCHOW	26	15	33	8	21	-0.7	58.3	15.3	CHILE	SANTIAGO	19	3	29	-5	11	0.0	3.7	-40.6
	YEHCHANG	27	17	34	12	22	0.3	147.6	11.6	ARGENT	IGUAZU	23	13	28	3	18	*****	252.3	*****
	HANKOW	26	18	33	12	22	0.3	147.3	-14.7		FORQUESA	23	14	30	4	18	-0.5	42.4	-74.6
	CHITKIANG	26	17	32	11	21	0.2	181.0	-54.1		CERES	21	9	27	2	15	-1.1	4.6	-27.7
	SHANGHAI	25	17	30	12	21	1.8	105.0	-17.2		CORDOBA	20	7	27	-2	14	-0.4	9.2	-14.3
	NANCHANG	26	19	32	12	22	0.0	129.3	-172.7		RIO CUARTO	18	8	25	1	13	0.0	43.3	18.7
	TAIPEI	29	23	37	18	26	1.9	134.9	-84.0		ROSARIO	19	8	27	-2	13	-0.2	21.4	-23.6
	CANTON	29	22	32	16	25	-0.4	123.8	-152.1		BUENOS AIRES	18	8	24	-2	13	0.0	51.7	-25.3
	NANNING	29	22	33	15	26	-0.4	171.5	-15.3		SANTA ROSA	17	6	25	-1	11	0.3	74.1	51.0
CNRY I	LAS PALMAS	24	18	28	15	21	1.1	0.1	-2.9		TRES ARROYOS	15	5	22	-4	10	-0.9	71.0	11.9
MOROCC	CASABLANCA	22	16	27	11	19	0.8	6.0	-12.9	MIDW I	MIDWAY ISLAND	25	20	27	16	22	0.3	4.3	-105.5
	MARRAKECH	29	15	39	12	22	1.4	24.0	2.2	N CALD	NOUMEA	27	21	29	18	24	1.7	35.8	-58.4
ALGERI	ALGER	24	15	26	9	19	1.1	58.3	23.3	FLJI	NAUSORI	28	22	30	19	25	0.6	128.5	-130.6
	BATNA	23	11	32	4	17	0.9	88.9	49.8	SAMOA	PAGO PAGO	30	25	31	20	28	1.1	82.3	-198.4
TUNISI	TUNIS	26	15	33	10	20	1.4	48.6	22.2	TAHITI	PAPEETE	31	23	33	21	27	1.0	24.3	-81.6
NIGER	NIAMEY	42	28	44	21	35	1.2	68.0	32.5	N ZGAL	AUCKLAND	18	12	20	4	15	0.8	137.3	19.7
MALI	TIMBUKTU	42	27	45	22	35	0.7	3.0	-1.9	PA N G	PORT MORESBY	31	24	32	24	28	0.7	33.1	-31.7
	BAMAKO	38	27	42	22	32	1.1	48.4	-7.1	AUSTRL	DARWIN	31	23	34	15	27	-0.2	59.0	35.1
MAURIT	NOUAKCHOTT	36	20	42	14	28	1.7	0.1	0.1		MOREE	21	10	25	3	15	0.5	49.8	10.6
SENEGL	DAKAR	25	20	29	18	23	-0.5	0.1	-1.0		BRISBANE	22	15	26	12	19	-0.1	172.4	91.0
CHAG A	DIEGO GARCIA	30	26	32	20	28	0.6	369.7	179.8		PERTH	20	11	26	8	16	-0.4	54.0	-55.6
LIBYA	TRIPOLI	28	18	43	12	23	0.3	31.6	27.0		CEDUNA	21	11	34	6	16	1.7	33.6	-9.8
	BENGHAZI	28	18	41	12	23	0.3	15.5	12.1		ADELAIDE	19	10	28	5	15	0.6	11.1	-52.6
EGYPT	CAIRO	31	17	39	13	24	-0.6	0.1	-1.7		MELBOURNE	17	8	24	1	12	0.1	9.0	-48.3
	ASWAN	38	24	44	19	31	-0.3	0.1	0.1		WAGGA	17	7	23	1	12	0.7	90.6	35.8
ETHIOP	ADDIS ABABA	25	12	27	8	18	-0.6	20.3	-56.2		CANBERRA	16	5	22	-2	10	1.4	81.6	35.4
KENYA	NAIROBI	25	14	28	11	20	0.5	53.3	-73.6	PHILIP	MANILA	33	26	38	24	30	0.4	71.1	-53.5



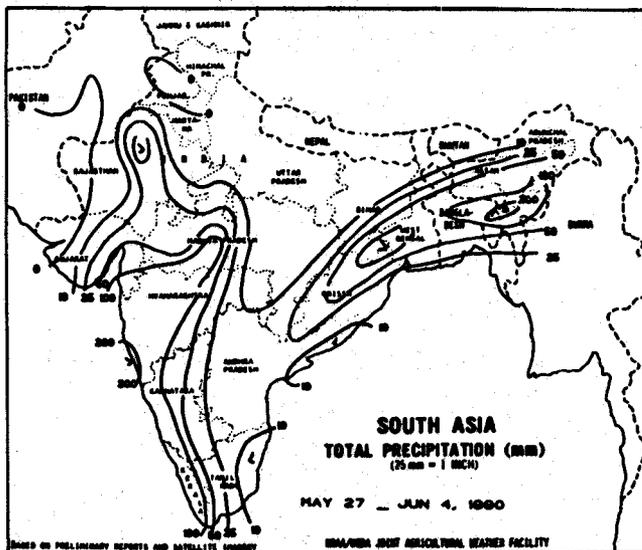
USSR ... In Western USSR, a storm system developed over the Black Sea early in the week and moved northeastward, producing widespread precipitation. Greatest amounts of precipitation (25-64mm) fell in a narrow band which stretched northeastward from Moldavia and the southern Ukraine, through the middle portion of the Black Soils Region and eastern areas in the Central Region, and into the western portion of the Volga Vyatsk Region. Variable amounts of rain (5-25mm) covered crop areas over the remainder of the region. The rain benefited winter grains which ranged from early grain filling in the southern Ukraine to jointing in the Volga Vyatsk Region. Spring grain crop progress ranged from jointing in the south to tillering in the north. Corn, sunflowers, and sugar beets were in the early vegetative stage. Weekly average temperatures were 2-6 degrees Celsius (C) below normal everywhere except the western North Caucasus, where temperatures were near normal.

EUROPE ... Widespread moderate to heavy rain (15-40mm, with isolated amounts in excess of 40mm) fell over much of the central and southern Balkans, reducing long-term soil moisture deficits and improving conditions for reproductive to filling winter grains and vegetative summer crops. Scattered, light rain (mostly less than 10mm) covered the remainder of southern Europe. In the north, light rain (less than 10mm) brought only limited relief to moisture stressed summer crops in southern and central England. Light to moderate rain (5-15mm, with scattered amounts greater than 15mm) fell from Benelux eastward to northern Poland, favoring reproductive to filling winter grains. However, much cooler-than-normal temperatures (weekly mean temperatures 2-6 degrees C below normal) and localized frost (daily minimum temperatures 0 to +2 degrees C) slowed growth and development of both winter and summer crops over much of the region.

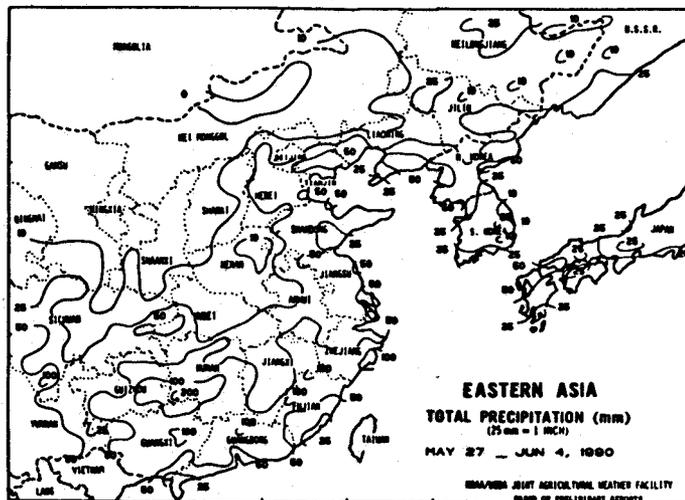


In the New Lands, widespread light precipitation (1-10mm, with local amounts in excess of 10mm) covered the region, causing only brief delays in final spring grain planting efforts. Weekly average temperatures were 2-4 degrees C above normal, favoring rapid crop emergence and early plant establishment. However, the unseasonably warm weather increased evaporation rates especially in Kazakhstan, where highest weekly temperatures ranged from 33 to 37 degrees C.

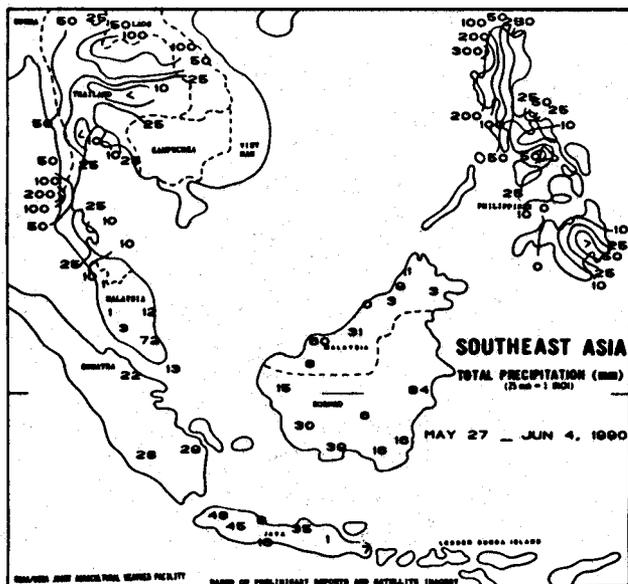




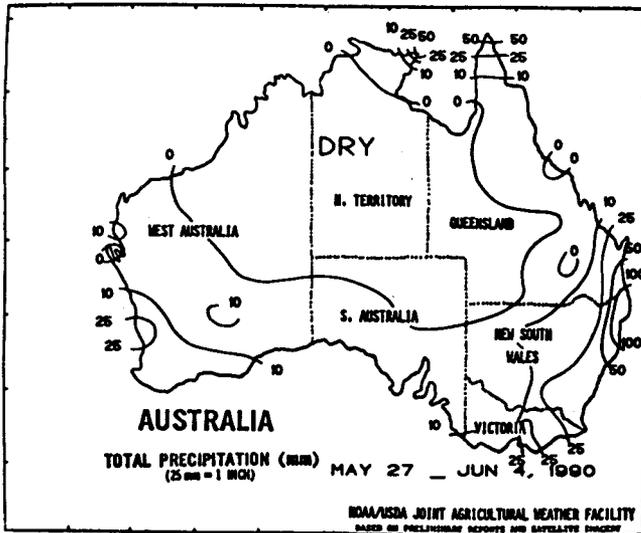
SOUTH ASIA ... Showers continued across primary summer crop regions of central, southern, and eastern India, maintaining generally favorable conditions for early plantings. Data were missing early in the week for much of the region, but satellite imagery depicted frequent activity over central India and along the southwest coast. However, crop areas of India's southern interior from Karnataka and southern Andhra Pradesh southward appeared to be drier than in recent weeks. Rainfall since the 31st, when data coverage resumed, totaled 25-50mm or more along the west coast and from Maharashtra and Gujarat to western Madhya Pradesh. Mostly dry weather continued in the south. In the east, moderate to heavy rain (25-50mm or more) was reported from southern Bihar eastward late in the week, with early-week satellite imagery depicting showers over most eastern rice areas.



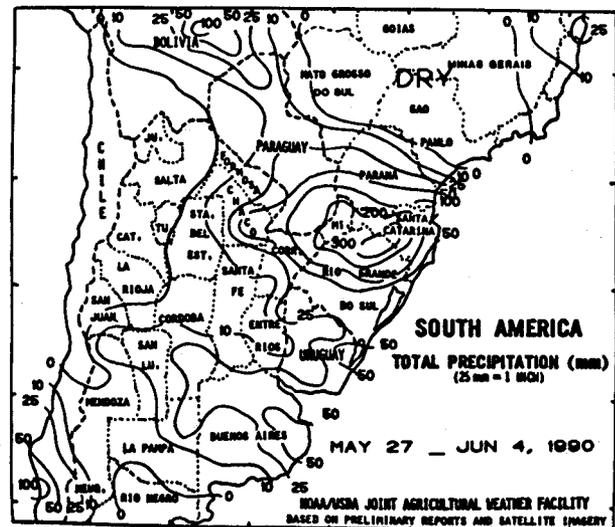
EASTERN ASIA ... Heavy seasonal rain (25-75mm, with scattered amounts greater than 75mm) continued over much of the Yangtze Valley and southern China, favoring early and single-crop rice but delaying maturation and early harvest of winter wheat. Very heavy rain (100-175mm) in sections of Hunan, northern Guangxi, Guizhou, and Yunnan likely caused localized flooding. Seasonal rains normally peak in the Yangtze Valley from late May through July. Elsewhere, widespread rain (10-30mm, with isolated amounts greater than 30mm) favored winter and spring crops across the North China Plain, Manchuria, Japan, and the Korean Peninsula. The precipitation in Manchuria was the heaviest in the region so far this season and helped ease minor dryness in sections of Heilongjiang. Mean weekly temperatures were normal to below normal in all areas except Japan, where they were above normal.



SOUTHEAST ASIA ... Rainfall tapered off over the southern half of Thailand's primary grain areas, with amounts of 1-13mm from the central corn belt to the Khorat Plateau. Despite the dryness, temperatures averaged near normal, with daily high temperatures in the middle 30's C. Moderate to heavy rain (25-50mm or more) fell across the north, with persistent inundating rain (119-214mm) in the northeast causing local flooding and damage to vegetative grains. Further south, moderate showers (25-50mm or more, with a local amount of 250mm) continued over peninsular Thailand, but drier weather covered Malaysia. In the Philippines, very heavy rain (100-300mm or more) fell along the west coast of Luzon, greatly improving moisture reserves following months of chronically dry weather but causing some flooding. Variable showers elsewhere benefited newly planted grains, but rainfall totaled less than 25mm over most of the central and southern islands.

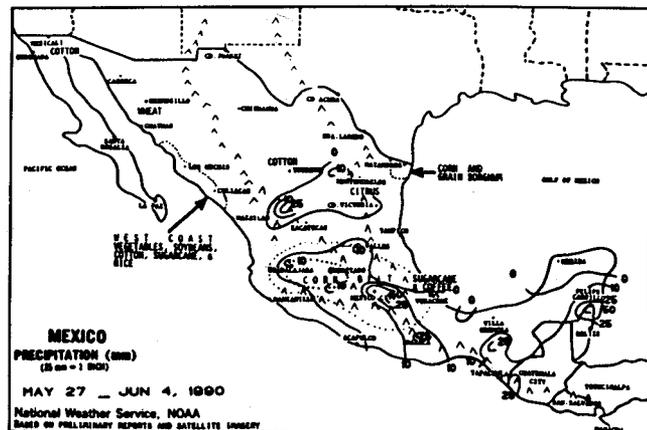


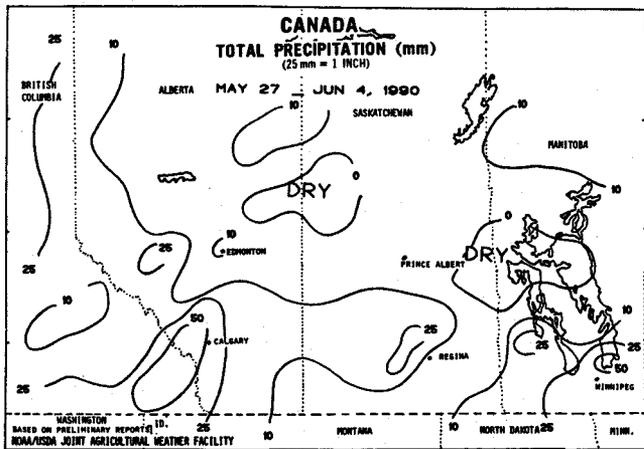
AUSTRALIA ... Light to moderate rain (5-20mm) continued across winter grain growing areas of central and northern New South Wales, maintaining favorable conditions for germination and establishment of wheat and barley. Scattered heavy rain (25-60mm, with isolated amounts in excess of 100mm) fell in eastern coastal sections of Queensland and New South Wales, while interior crop areas of Queensland were mostly dry. In the south, light to moderate rain (5-20mm, with isolated amounts greater than 20mm) favored early growth of winter grains in Western Australia. Light rain (less than 10mm) fell in crop areas of South Australia, Victoria, and southwestern New South Wales. However, more rain is still needed for winter grains planting in sections of South Australia and northwestern Victoria, where drier-than-normal topsoils persist.



SOUTH AMERICA ... In Argentina, showers moistened the major crop areas of Buenos Aires, northeastern La Pampa, southern Cordoba, and southern Santa Fe. Weekly rainfall averaged 10-36mm, slowing late soybean harvesting briefly but providing topsoil moisture for wheat planting which has just begun. In south-central Brazil, persistent soaking rain fell over northern Rio Grande do Sul, Santa Catarina and southern Parana. Widespread rainfall of 50-150mm was common, with 150-325mm of torrential downpours reported along the border of Rio Grande do Sul and Santa Catarina. Local flooding may have damaged newly planted wheat. Dry weather prevailed in northern crop areas, favoring citrus and coffee harvesting in Sao Paulo and Minas Gerais.

MEXICO ... Dry weather prevailed across far northern and western Mexico. A relatively small area of 10-40mm rainfall in north-central Mexico helped cotton and rangelands, as well as citrus areas of the northeastern mountainous region. In the Southern Plateau, mostly light, variable rain (1-13mm) fell in the Corn Belt, except in the southeast, where locally heavier rain (20-62mm) benefited corn growth. Dry weather prevailed over much of the Yucatan peninsula. Tropical shower activity diminished from the previous week in the south.





CANADA ... Early-week warmer weather, accompanied by only scattered, light rain over the south and southwest, favored spring crop planting across the Prairies. Spring grain seeding was reportedly nearly complete, although slightly behind average. Planting likely progressed rapidly in most areas, especially in Manitoba, which missed the early-week rainfall. On the 1st and 2nd, moderate showers (10-25mm or more) fell over central and southern Alberta, central and southeastern Saskatchewan, and most Manitoban crop areas, bringing fieldwork to a halt but improving topsoil moisture for germination and establishment.

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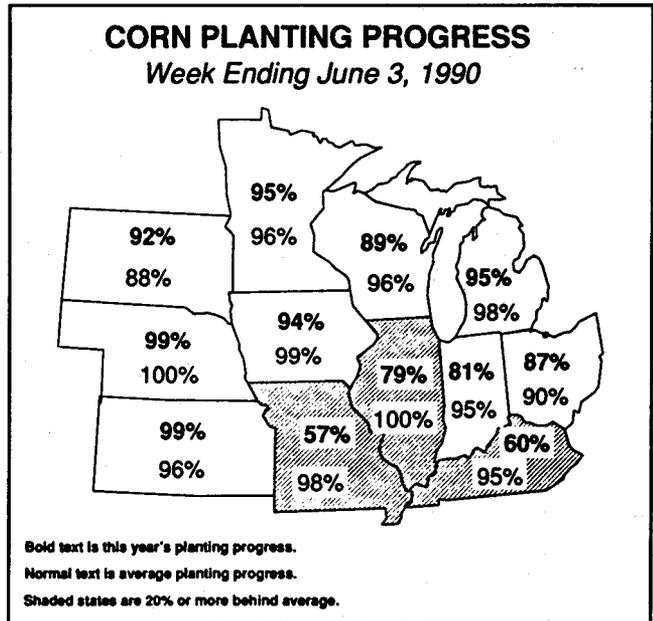
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(Continued from p. 8)

PASTURES AND LIVESTOCK: Pastures were generally fair to good in the southeast and good or good to excellent in the northeast and northwest. In North Dakota, pastures improved but were still in mostly poor to fair condition. In the mountain States, livestock was being moved to summer ranges. In Texas, livestock was in good condition. Rains helped pastures in east Texas, but hot temperatures deteriorated grasses in south Texas. Rains improved pastures in northern California, but the southern half of the State continued to dry without beneficial moisture.



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