

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

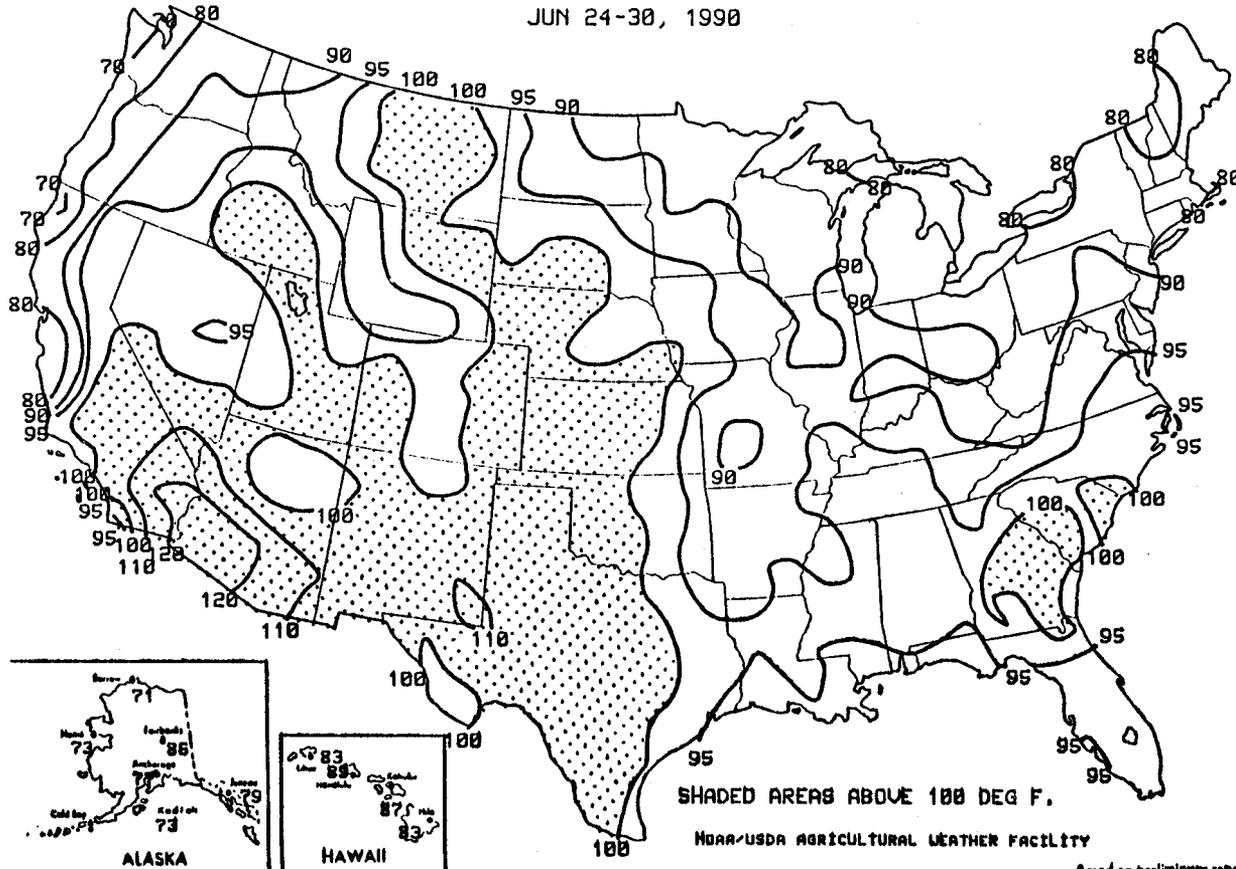
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Washington, D.C.

July 3, 1990

EXTREME MAXIMUM TEMPERATURE (°F)

JUN 24-30, 1990



HIGHLIGHTS

June 26-30, 1990

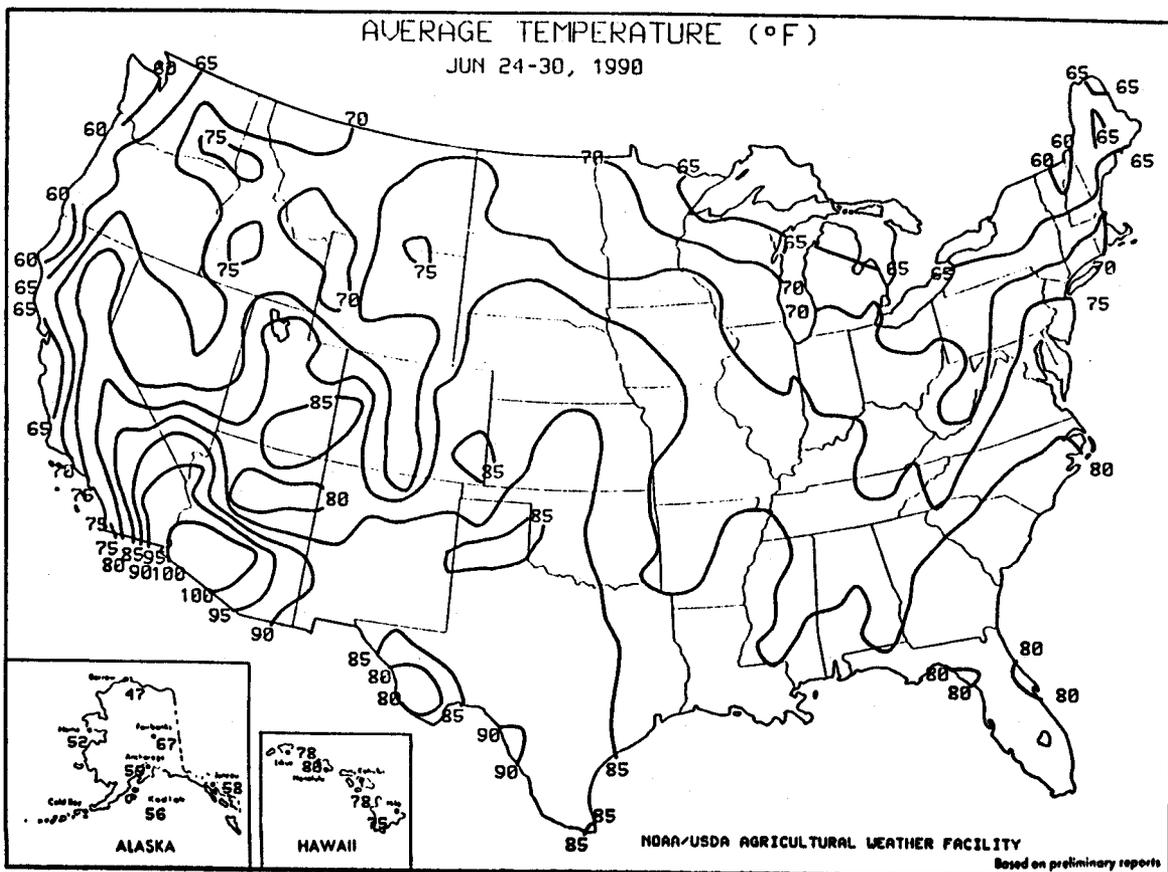
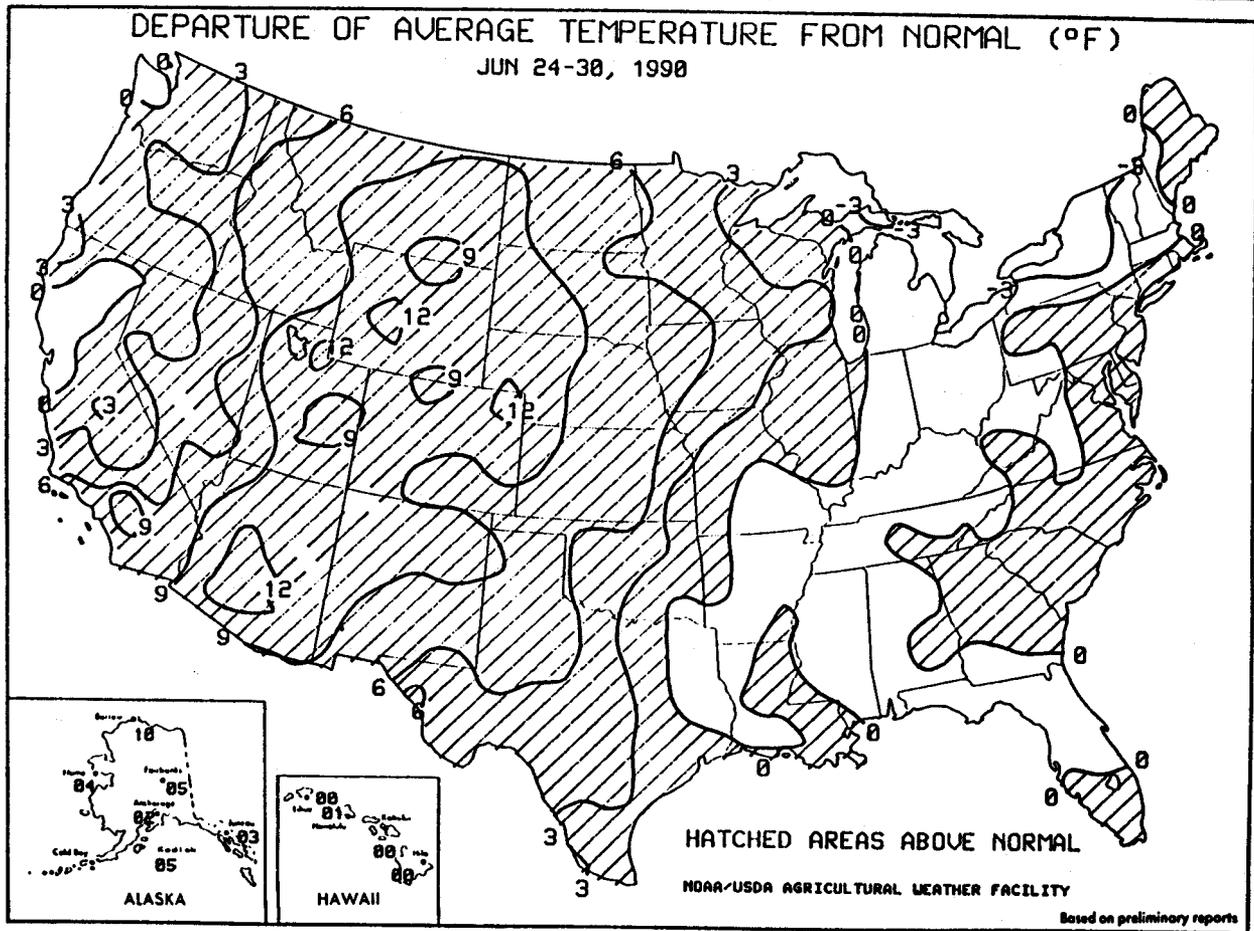
Record heat and dry weather prevailed over the western half of the Nation as temperatures climbed into triple digits and high temperatures for the date were broken daily from California to the High Plains. Alltime high temperature records were set at Lubbock, TX (110° F), Tucson, AZ (117° F), Pueblo, CO (108° F), and Phoenix, AZ (122° F). The Phoenix airport was temporarily closed because aircraft are not allowed to take off when temperatures are higher than 121° F. Lubbock broke their June record of the number of 100° F days with 19. Cities with record-high temperatures for the month of June included Denver, CO, with 102° F and Scottsbluff, NE, with 106° F. The heat wave spread into the Southeast where record-high temperatures were set along the

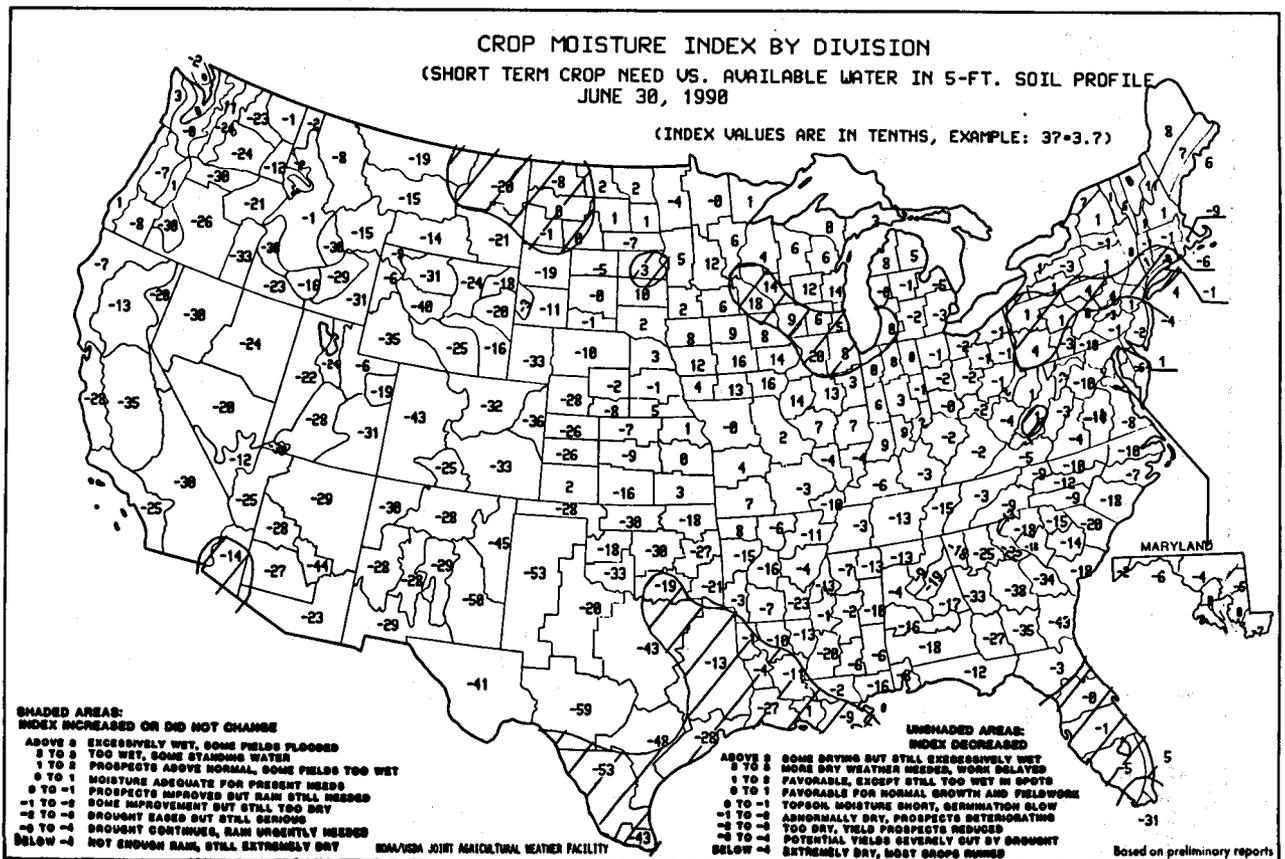
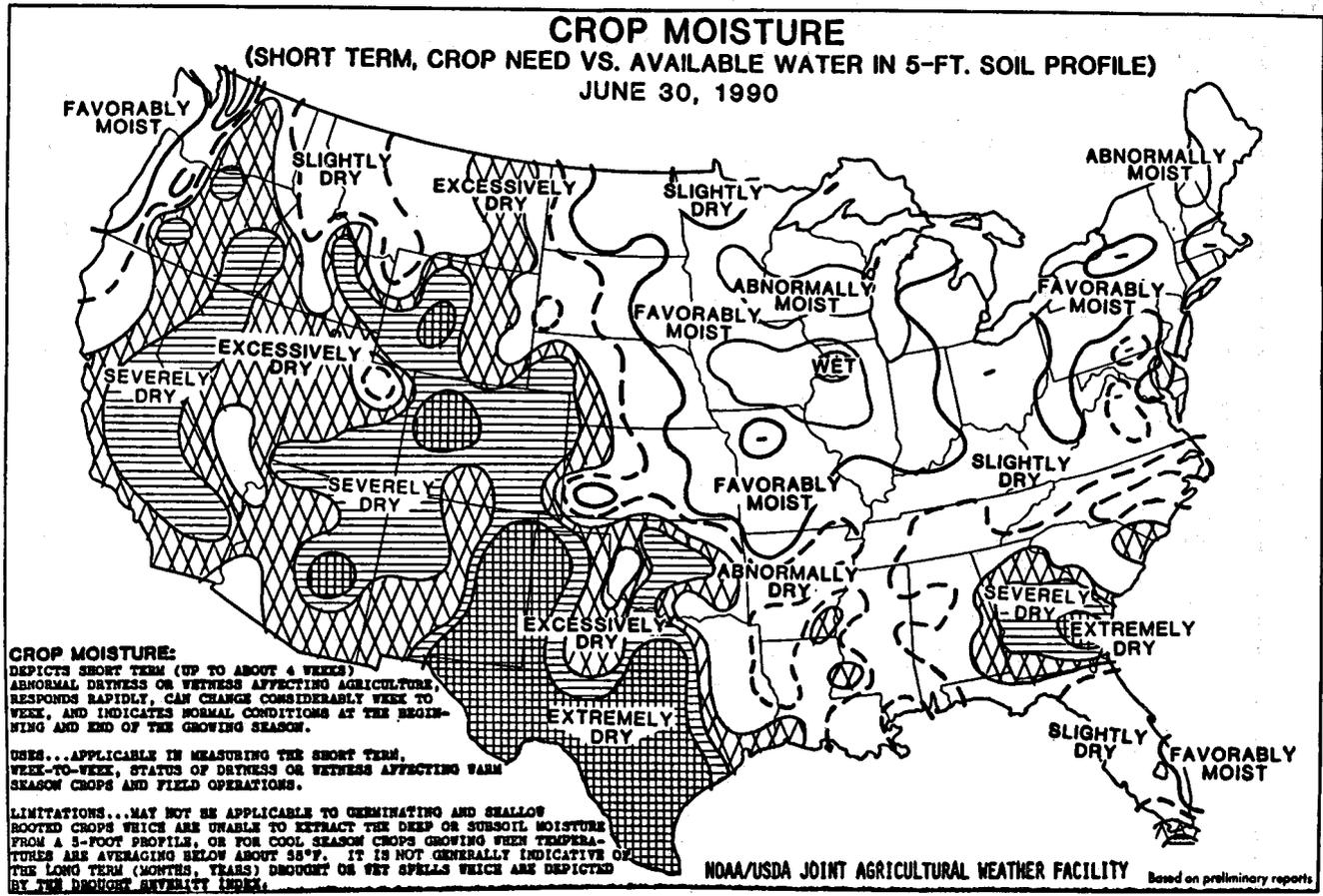
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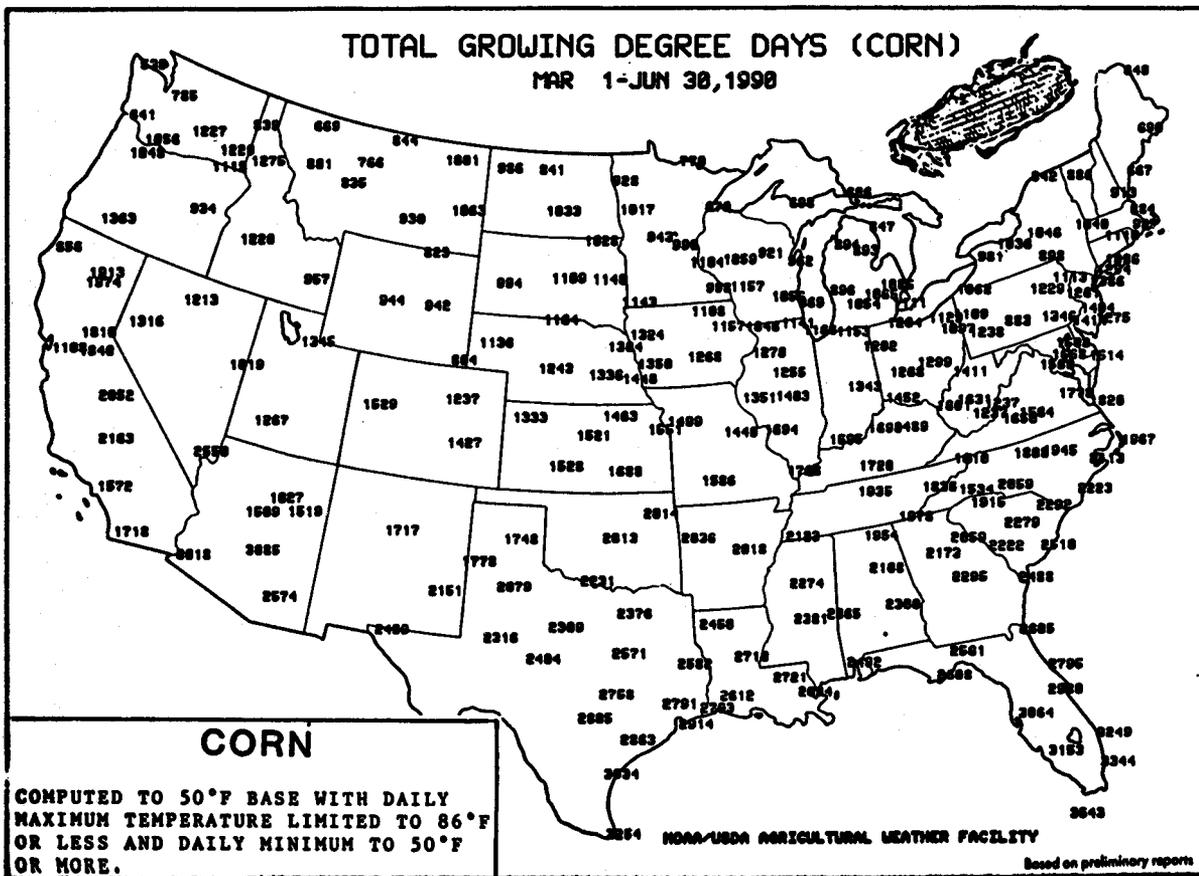
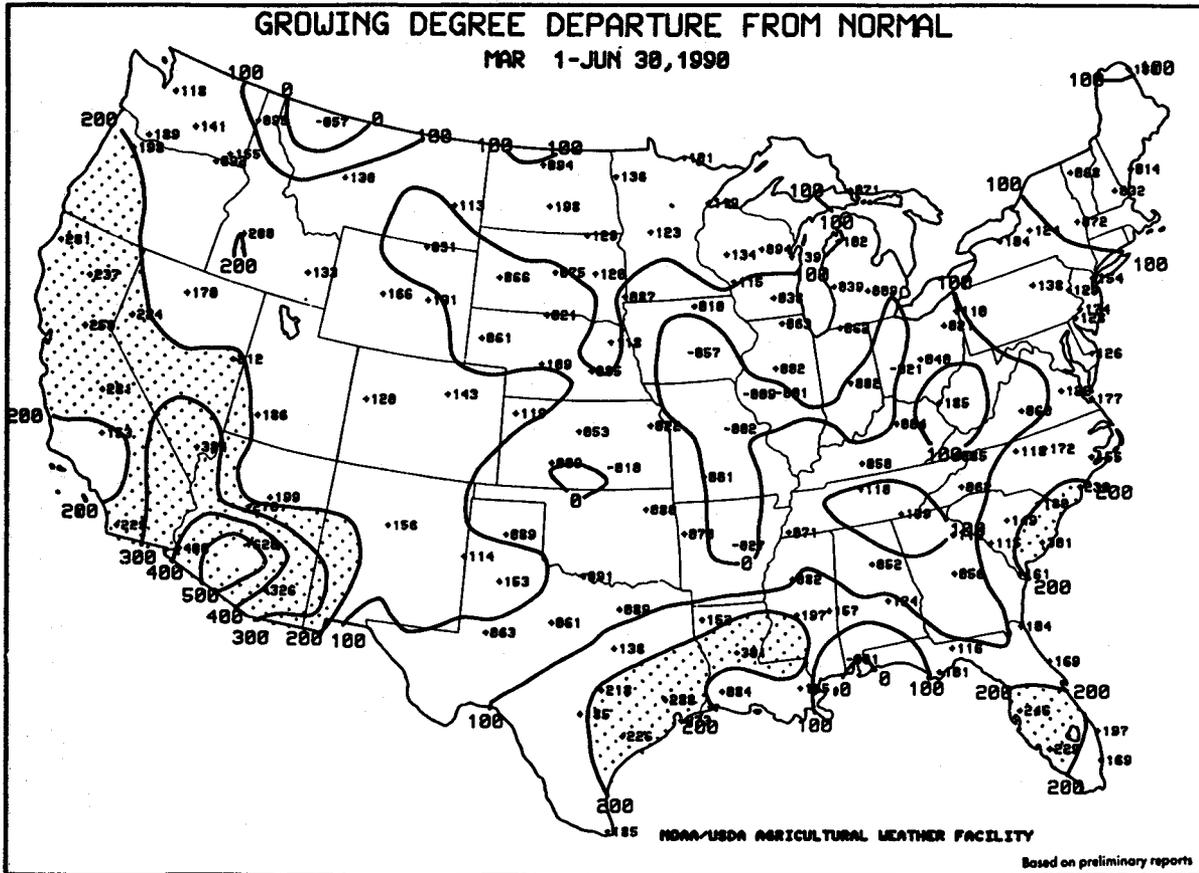
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National Weather Data for Selected Cities

Weather Data for the Week Ending June 30, 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	.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	91	63	96	59	77	-2	0	-1.9	0	2.1	58	28.6	97	88	33	5	0	0	0	0	
MOBILE	91	69	94	64	80	-1.5	0	-1.8	0	2.7	53	41.4	130	92	42	6	0	1	1	1	
MONTGOMERY	95	65	98	59	80	-1.5	0	-1.9	0	0	25	39.0	148	94	30	7	0	0	0	0	
AK ANCHORAGE	69	50	77	44	49	2	0	-1.3	0	1.6	144	5.9	130	90	52	0	0	0	0	0	
BARROW	56	38	71	34	47	10	0	0	0	0	117	0.8	71	94	68	0	0	0	3	0	
FAIRBANKS	79	54	86	46	67	5	0	-1.4	0	1.7	131	3.5	101	74	29	0	0	0	0	0	
JUNEAU	67	49	79	45	58	4	0	-1.6	0	3.5	117	19.4	97	92	56	0	0	2	0	0	
KODIAK	66	47	73	40	57	4	0	-1.8	0	2.2	54	28.5	103	93	57	0	0	0	0	0	
NOME	59	45	73	40	52	5	0	-1.1	0	1.2	99	6.4	154	97	71	0	0	0	5	0	
AZ PHOENIX	116	89	122	87	103	13	0	-1.1	0	0	25	2.2	84	29	15	7	0	0	0	0	
PRESCOTT	100	65	103	62	83	13	0	-1.3	0	1.1	15	4.7	72	32	10	7	0	0	0	0	
TUCSON	111	82	117	80	97	11	0	-1.2	0	0	305	2.8	103	33	12	7	0	0	0	0	
YUMA	115	86	123	82	101	10	0	-2	0	0	0	5	57	36	13	7	0	0	0	0	
AR FORT SMITH	93	68	97	62	81	1	0	-1.8	0	0	17	38.3	184	96	46	5	0	1	0	0	
LITTLE ROCK	90	71	94	66	80	0	0	-1.7	0	0	17	35.9	135	82	49	5	0	1	0	0	
CA BAKERSFIELD	97	65	102	62	81	0	0	-1.1	0	0	0	2.6	69	63	20	7	0	0	0	0	
EUREKA	65	54	69	51	60	0	0	-1.1	0	0	0	20.5	92	90	68	0	0	0	0	0	
FRESNO	97	65	101	61	81	4	0	-1.1	0	0	59	7.4	106	57	19	7	0	0	0	0	
LOS ANGELES	80	62	90	60	71	4	0	-1.4	0	0	0	5.1	61	84	44	1	0	0	0	0	
REDDING	94	61	97	56	77	-3	0	-2	0	0	99	19.8	81	74	18	7	0	0	0	0	
SACRAMENTO	93	56	96	54	75	1	0	-1.4	0	0	0	11.5	109	82	22	6	0	0	0	0	
SAN DIEGO	82	55	94	62	74	0	0	-1.1	0	0	0	5.9	92	86	45	2	0	0	0	0	
SAN FRANCISCO	69	54	73	53	62	6	0	-1.1	0	0	0	7.9	64	91	54	0	0	0	0	0	
CO DENVER	99	65	102	60	82	12	0	-1.4	0	0	13	7.1	88	48	12	7	0	0	0	0	
GRAND JUNCTION	103	67	105	63	85	9	0	-1.1	0	0	60	3.2	86	25	8	7	0	0	0	0	
PUEBLO	104	60	108	56	82	8	0	-1.3	0	0	0	6.3	133	57	13	7	0	0	0	0	
CT BRIDGEPORT	81	65	86	59	73	2	1.3	0.6	0	1.9	67	21.6	107	91	50	0	0	2	1	1	
HARTFORD	83	61	88	57	72	2	1.2	0.4	1.0	3.6	107	24.4	113	97	50	0	0	2	1	1	
DC WASHINGTON	89	69	97	62	79	2	0	-1.3	0	0	0	19.2	104	83	41	3	0	3	0	0	
FL APALACHICOLA	90	70	92	68	80	-1	0	-1.4	0	2.8	58	16.1	72	92	50	4	0	0	0	0	
DAYTONA BEACH	88	71	91	69	80	-1	0	-1.7	0	2.7	42	14.6	71	98	60	1	0	3	1	1	
JACKSONVILLE	93	69	100	66	81	0	0	-1.4	0	1.6	28	10.5	46	96	42	6	0	0	0	0	
KEY WEST	91	80	92	75	85	2	0	-1.3	0	0	19	9.7	65	83	57	7	0	3	0	0	
MIAMI	90	75	93	71	83	1	5.0	2.9	2.1	6.8	75	25.3	102	90	53	5	0	4	3	3	
ORLANDO	90	72	93	70	81	-1	0	-1.1	0	6.2	88	14.8	69	98	51	5	0	2	1	1	
TALLAHASSEE	95	65	100	62	80	-1	0	-1.7	0	4.0	61	23.1	75	98	38	7	0	2	0	0	
TAMPA	91	74	97	71	82	1	1.0	-1.4	0	5.2	98	15.2	80	96	54	5	0	2	1	1	
WEST PALM BEACH	90	74	92	70	82	0	3.5	1.7	1.4	6.7	84	20.7	83	94	59	2	0	3	3	3	
GA ATLANTA	90	68	95	63	79	1	0	-1.3	0	1.4	41	36.0	133	80	36	4	0	1	1	1	
AUGUSTA	96	64	102	57	80	0	0	-1.9	0	1.4	37	11.8	50	98	30	7	0	0	0	0	
MACON	96	67	100	59	81	1	0	-1.9	0	1.0	25	17.9	72	85	28	7	0	0	0	0	
SAVANNAH	94	71	101	68	82	2	0	-1.5	0	1.0	17	15.5	66	89	37	6	0	0	0	0	
HI HILO	81	69	83	67	75	0	3.7	2.3	2.0	10.0	164	77.4	119	97	67	0	0	7	2	2	
HONOLULU	87	73	89	71	80	1	0	-1.1	0	0	4	9.9	76	75	47	0	0	0	0	0	
KAHULUI	85	70	87	67	78	0	0	-1.1	0	0	190	14.3	125	94	53	0	0	1	0	0	
LIHUE	81	74	83	72	78	0	0	-1.3	0	0	29	19.3	87	80	65	0	0	1	0	0	
ID BOISE	95	57	103	51	76	7	0	-2.2	0	0	12	8.7	125	58	14	5	0	0	0	0	
LEWISTON	89	63	96	60	76	7	0	-1.3	0	0	50	6.9	96	54	24	4	0	0	0	0	
FOCATELLO	94	51	100	45	72	6	0	-2.0	0	0	8	7.2	6.6	106	67	13	5	0	0	0	
IL CHICAGO	85	61	91	49	73	2	2.0	1.0	1.7	4.5	105	20.5	122	93	55	1	0	3	1	1	
MOLINE	87	65	92	54	76	2	2.5	1.4	1.6	9.6	223	31.1	172	94	54	2	0	4	1	1	
PEORIA	84	65	88	55	74	1	3.6	2.6	3.5	8.0	206	25.8	148	99	62	0	0	2	1	1	
QUINCY	86	67	91	59	77	2	0	-1.7	0	0	126	22.1	121	94	53	2	0	2	0	0	
ROCKFORD	85	63	91	50	74	2	3.0	1.9	2.2	9.2	203	22.8	129	95	55	1	0	4	1	1	
SPRINGFIELD	86	66	91	58	76	1	0	-1.1	0	0	262	29.1	169	90	52	2	0	2	1	1	
IN EVANSVILLE	89	64	93	54	77	0	0	-1.6	0	0	92	30.3	135	94	41	4	0	1	0	0	
FORT WAYNE	82	60	89	46	71	-1	1.8	1.0	1.0	5.5	152	25.5	145	96	48	0	0	5	1	1	
INDIANAPOLIS	84	62	89	53	73	-1	0	-1.3	0	0	78	22.0	110	97	53	0	0	3	0	0	
SOUTH BEND	82	61	89	50	72	0	1.3	0.4	0.6	4.4	112	22.8	125	95	51	0	0	3	1	1	
IA DES MOINES	89	68	92	59	78	4	2.1	1.2	1.3	9.5	229	25.5	164	93	54	5	0	2	2	2	
SIOUX CITY	94	70	97	60	82	8	0	-1.9	0	0	4.2	105	16.1	124	89	37	6	0	0	0	0
WATERLOO	87	66	93	55	77	5	0	-1.8	0	0	186	21.2	133	98	53	3	0	2	0	0	
KS CONCORDIA	98	72	105	63	85	8	0	-1.1	0	0	89	16.0	116	79	35	7	0	1	0	0	
DODGE CITY	100	70	105	63	85	7	0	-1.7	0	0	1.0	34	14.1	134	70	25	7	0	1	0	0
GOODLAND	101	65	105	60	83	10	1.1	0.6	0.5	1.7	64	9.4	111	81	19	7	0	4	1	1	
TOPEKA	93	71	97	59	82	5	0	-1.4	0	0	108	18.3	112	91	53	6	0	1	1	1	
WICHITA	101	73	106	65	87	7	0	-1.9	0	0	1.9	48	10.2	74	82	31	7	0	0	0	0
KY BOWLING GREEN	89	62	96	54	75	-1	0	-1.1	0	0	1.8	40	22.9	85	96	39	4	0	0	0	0
LEXINGTON	86	61	90	51	73	-1	0	-1.0	0	0	4.6	108	21.9	91	89	43	2	0	0	0	0
LOUISVILLE	88	65	92	55	77	0	0	-1.5	0	0	6.1	171	34.6	150	89	43	4	0	1	0	0
LA ALEXANDRIA	93	72	96	67	83	1	1.9	1.0	1.0	2.0	52	36.0	126	87	44	6	0	3	2	2	2
BATON ROUGE	93	70	96	66	82	0	2.4	1.5	1.4	7.2	230	38.6	140	97	44	7	0	3	2	2	2
LAKE CHARLES	90	72	92	70	81	0	2.9	1.9	1.6	3.8	93	30.5	124	98	54	3	0	4	2	2	2
NEW ORLEANS	93	70	95	65	82	0	0	-1.2	0	1.0	22	39.9	137	97	42	7	0	0	0	0	0

Based on 1951-80 normals

Weather Data for the Week Ending June 30, 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 Jun 1	PCT. NORMAL SINCE Jun 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
SHREVEPORT	92	70	94	66	81	-1	2.1	1.3	2.1	2.6	74	39.2	163	94	49	6	0	1	1		
ME CARIBOU	76	55	82	48	65	2	1.0	2	4.6	144	16.8	108	89	54	0	0	0	2	1		
PORTLAND	76	56	80	51	66	0	0	2	4.1	136	21.6	101	98	58	0	0	0	3	1		
MD BALTIMORE	89	66	96	59	77	2	2	2	2.6	68	19.4	96	86	38	4	0	0	0	0		
SALISBURY	87	65	93	58	76	3	3	3	2.0	55	21.6	103	96	44	3	0	0	2	0		
MA BOSTON	79	63	85	56	71	2	2	2	2.7	24	22.2	102	94	51	0	0	0	3	0		
CHATHAM	71	59	79	55	65	0	0	0	2.6	96	26.2	114	99	78	0	0	0	1	0		
MT ALPENA	75	49	83	40	62	2	1.6	3	4.2	134	15.8	119	97	51	0	0	0	4	1		
DETROIT	80	60	88	50	70	1	1.1	3	4.9	144	20.1	131	92	50	0	0	0	5	0		
FLINT	80	57	87	43	68	0	0.7	3	3.8	117	15.0	106	93	51	0	0	0	4	0		
GRAND RAPIDS	80	57	85	45	69	0	1.2	4	3.0	82	16.1	100	90	50	0	0	0	4	0		
HOUGHTON LAKE	76	55	81	42	66	0	0.2	4	2.1	67	12.1	94	89	52	0	0	0	2	0		
LANSING	80	56	86	41	68	0	0.7	4	2.5	64	13.9	96	96	55	0	0	0	6	0		
MARQUETTE	75	52	82	42	64	1	0.7	4	2.5	80	15.3	84	90	53	0	0	0	1	1		
MUSKOGON	78	57	83	46	67	1	0.9	4	3.6	145	18.6	127	95	57	0	0	0	3	1		
SAULT ST. MARIE	68	45	80	40	57	1	0.9	3	5.0	154	17.0	119	99	60	0	0	0	4	0		
MN ALEXANDRIA	83	63	89	55	73	2	0.5	3	4.0	99	13.5	114	89	49	0	0	0	2	0		
DULUTH	78	51	86	45	64	2	0.6	3	4.8	123	14.5	111	98	53	0	0	0	4	0		
INV L FALLS	81	56	89	47	68	2	0.6	3	5.5	152	10.4	101	95	47	0	0	0	2	0		
MINNEAPOLIS	86	66	91	57	76	4	2.0	1	9.8	242	21.5	171	91	46	1	0	0	2	2		
ROCHESTER	85	63	89	55	74	3	3.9	1	9.3	247	25.1	194	93	54	0	0	0	2	2		
MS GREENWOOD	91	68	94	62	80	0	0	0	6.3	189	33.1	112	92	45	0	0	0	0	0		
JACKSON	94	67	96	62	80	0	0	0	1.5	47	35.5	125	98	41	0	0	0	0	0		
MERIDIAN	93	64	96	60	79	0	0	0	4.0	114	46.5	159	97	37	7	7	0	0	0		
MO CAPE GIRARDEAU	91	68	97	61	80	0	0	0	1.6	47	31.3	132	89	42	4	4	0	0	0		
COLUMBIA	86	67	90	58	76	0	0.6	2	7.2	195	33.7	177	97	59	4	1	0	0	0		
KANSAS CITY	90	71	94	58	80	0	1.2	1	6.3	134	23.4	134	87	55	5	5	0	2	1		
SAINT LOUIS	90	72	94	62	81	1	0	1	3.0	82	23.3	131	81	46	5	0	0	2	0		
SPRINGFIELD	86	66	90	58	76	0	0.8	2	5.5	100	39.4	195	94	57	1	0	0	2	1		
MT BILLINGS	94	61	102	56	77	10	0.1	1	4.7	32	8.0	89	70	19	6	6	0	0	0		
GLASGOW	96	63	103	57	79	12	0.4	2	1.1	46	3.5	61	70	19	3	0	0	3	0		
GREAT FALLS	89	54	101	49	71	6	0.4	2	1.2	45	8.2	88	81	21	6	0	0	1	0		
HAVRE	91	59	102	51	75	8	0.4	2	0.2	7	3.2	49	69	21	4	0	0	0	0		
HELENA	91	56	98	52	73	10	0.1	3	0.9	46	4.4	68	66	19	5	0	0	1	0		
KALISPELL	84	51	90	42	67	6	0.3	4	1.2	52	11.2	132	88	31	1	0	0	2	0		
MILES CITY	96	65	102	61	81	11	0.3	3	1.7	63	5.9	72	72	23	5	0	0	2	0		
MISSOULA	90	53	96	48	72	9	0.2	4	0.4	23	7.3	98	78	22	5	0	0	0	0		
NE GRAND ISLAND	94	69	99	61	81	7	1.6	0	8.2	222	16.6	130	88	42	7	0	1	1	1		
LINCOLN	96	71	100	59	83	8	0	0	2.5	64	11.7	83	88	38	6	0	0	1	0		
NORFOLK	94	70	96	64	82	8	0	0	7.6	176	15.1	116	90	39	7	0	0	0	0		
NORTH PLATTE	97	65	100	58	81	9	0	0	1.9	51	9.3	85	88	29	7	0	0	2	0		
OMAHA	72	97	63	82	7	7	0	0	4.2	102	12.9	86	83	50	6	0	0	0	0		
SCOTTSBLUFF	101	63	106	59	82	11	0.2	5	1.1	39	9.8	111	66	16	7	0	0	1	0		
VALENTINE	97	65	104	59	81	10	0	0	2.0	68	9.5	103	67	26	7	0	0	0	0		
NV ELY	92	48	94	40	70	8	0	0	0.8	105	6.2	124	34	10	7	0	0	0	0		
LAS VEGAS	109	80	110	76	95	8	0	0	1.0	2	2.7	151	16	9	7	0	0	0	0		
RENO	90	51	95	47	71	5	0	0	0.2	9	3.2	73	51	9	4	0	0	0	0		
WINNEMUCCA	93	47	99	44	70	3	0	0	2.3	23	4.3	92	36	13	6	0	0	0	0		
NE CONCORD	78	54	86	46	66	-1	0.5	2	2.5	86	17.7	104	97	50	0	0	0	2	0		
NJ ATLANTIC CITY	87	64	94	54	75	4	0	0	1.5	55	17.1	86	94	45	3	0	0	0	0		
NM ALBUQUERQUE	103	71	104	67	87	9	0	0	0.3	54	3.5	136	34	11	7	0	0	0	0		
CLOVIS	99	69	105	65	84	8	0	0	0	0	3.7	53	54	16	7	0	0	0	0		
ROSWELL	105	73	110	69	89	9	0	0	0	2	2.4	72	38	15	7	0	0	0	0		
NY ALBANY	77	56	84	52	67	-2	0.8	1	2.7	82	24.1	141	95	53	0	0	0	3	1		
BINGHAMTON	73	56	82	53	65	-2	0.9	1	2.5	70	18.9	108	97	63	0	0	0	2	0		
BUFFALO	74	58	82	53	66	-3	0.2	5	3.6	131	24.9	147	92	58	0	0	0	3	0		
NEW YORK	85	69	88	66	77	3	0.8	0	2.1	68	23.5	114	79	44	0	0	0	2	1		
ROCHESTER	75	56	83	53	66	-4	0.4	2	2.9	104	19.3	128	92	55	0	0	0	3	0		
SYRACUSE	75	56	84	52	66	-4	0.4	5	2.9	81	22.4	122	95	57	0	0	0	3	0		
NC ASHEVILLE	85	57	92	53	71	-1	0.1	2	0.9	24	25.2	113	99	40	1	0	0	0	0		
CHARLOTTE	91	68	96	64	80	3	0.1	0	0.9	25	21.0	92	79	35	4	0	0	2	0		
GREENSBORO	90	64	95	57	77	2	0	0	0	20.2	96	84	84	36	4	0	0	0	0		
HATTERAS	85	71	91	68	78	2	0.4	0	1.8	42	26.7	110	96	61	1	0	0	2	0		
NEW BERN	91	69	99	65	80	2	0.2	0	1.6	32	25.3	105	98	44	3	0	0	1	0		
RALEIGH	89	66	94	61	77	1	0	0	1.0	28	22.1	106	90	42	4	0	0	0	0		
WILMINGTON	90	69	97	66	80	1	0.2	0	2.2	38	22.1	92	97	46	3	0	0	2	0		
ND BISMARCK	88	60	94	55	74	7	1.1	5	4.7	158	7.8	94	96	43	2	0	0	3	1		
FARGO	85	63	92	56	74	6	0.7	1	6.1	199	11.4	129	93	50	2	0	0	1	1		
GRAND FORKS	84	61	91	55	73	6	0.6	2	4.0	138	9.2	112	93	49	1	0	0	3	0		
WILLISTON	93	60	99	54	77	9	0.9	3	1.8	67	5.3	73	87	28	5	0	0	4	0		
OH AKRON-CANTON	78	59	87	48	68	-2	0.7	1	3.6	111	24.4	135	97	55	0	0	0	3	0		
CINCINNATI	84	61	89	49	73	-1	0	0	1.0	123	28.8	136	89	48	0	0	0	1	0		
CLEVELAND	79	59	89	48	69	-2	0.2	0	1.7	50	20.3	115	96	56	0	0	0	3	0		
COLUMBUS	85	60	91	50	72	0	0.1	0	5.3	132	24.0	125	95	42	1	0	0	1	0		

Based on 1951-80 normals

Weather Data for the Week Ending June 30, 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	.01 INCH OR MORE	
																		.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	84	63	92	49	73	0	.1	-.8	0	3.2	85	26.3	142	85	42	1	0	0	0
TOLEDO	83	59	90	44	71	0	.7	-.2	0	3.1	90	20.9	133	96	47	1	0	0	0
YOUNGSTOWN	77	59	85	51	68	-1	1.0	-.1	0	3.1	87	18.6	101	98	61	0	0	0	0
OK OKLAHOMA CITY	97	72	99	68	85	5	0	-.8	0	1.3	33	23.1	140	84	37	7	0	0	0
TULSA	94	74	97	68	84	4	0	-.1	0	1.1	24	25.1	126	80	46	6	0	0	0
OR ASTORIA	67	50	68	45	59	0	.1	-.1	.1	3.5	138	45.0	126	95	61	0	0	0	0
BURNS	87	46	93	43	66	2	0	-.1	0	.6	85	6.2	94	57	23	2	0	0	0
MEDFORD	87	54	91	51	70	2	0	-.1	0	.1	16	3.3	61	60	13	1	1	1	1
PENDLETON	86	57	91	53	71	2	0	-.1	0	.6	26	8.3	82	79	23	1	1	1	1
PORTLAND	78	57	83	54	67	3	0	-.2	0	1.9	134	20.5	106	82	44	2	0	0	0
SALEM	79	53	84	47	66	3	0	-.2	0	1.1	90	20.8	97	86	45	0	0	0	0
PA ALLENTOWN	84	64	90	60	74	2	.5	-.3	.5	1.1	90	20.8	97	86	45	0	0	0	0
ERIE	74	61	82	54	68	0	1.1	-.2	.7	1.1	24	25.1	126	91	42	1	1	1	1
HARRISBURG	86	63	92	57	74	1	1.3	-.4	2.8	73	21.4	119	94	60	0	0	0	0	0
PHILADELPHIA	85	66	91	59	76	2	2	-.9	4.6	126	23.1	117	94	44	2	0	0	0	0
PITTSBURGH	80	60	86	55	70	0	1.1	-.3	3.4	87	20.7	102	90	49	2	0	0	0	0
SCRANTON	80	60	88	53	70	1	2.6	1.8	4.2	121	22.0	115	95	55	2	0	0	0	0
RI PROVIDENCE	80	62	84	59	71	1	.2	-.4	1.9	138	21.0	127	94	47	0	0	0	0	0
SC CHARLESTON	92	72	99	69	82	3	2	-.7	1.1	41	22.3	101	96	51	0	0	0	0	0
COLUMBIA	95	68	102	62	82	2	0	-.1	3.1	48	20.2	82	94	42	5	5	5	5	5
FLORENCE	96	68	103	64	82	3	0	-.1	1.3	29	13.8	54	89	31	7	7	7	7	7
GREENVILLE	91	63	96	58	77	0	0	-.2	.5	12	10.1	46	88	29	4	0	0	0	0
SD ABERDEEN	87	61	93	52	74	5	2.6	1.9	.9	21	22.8	84	89	36	4	0	0	0	0
RURON	93	63	98	57	78	7	1.8	1.9	2.4	7.7	241	12.3	127	98	50	2	2	2	2
RAPID CITY	95	62	101	56	78	10	1.8	1.1	.9	6.3	193	16.5	160	92	39	6	6	6	6
SIOUX FALLS	92	63	97	54	78	6	2.5	1.7	T	1.4	44	8.9	90	80	29	7	7	7	7
TN CHATTANOOGA	91	64	95	59	77	0	0	-.7	2.5	4.9	132	12.8	105	94	39	5	0	0	0
KNOXVILLE	90	64	94	58	77	0	0	-.8	0	3.4	101	39.4	140	98	35	4	0	0	0
MEMPHIS	91	71	95	64	81	0	0	-.1	1.7	44	27.5	107	91	35	4	0	0	0	0
NASHVILLE	91	65	96	57	78	0	0	-.8	2.7	76	32.7	114	80	44	4	0	0	0	0
TX ABILENE	100	77	103	75	88	6	6	-.8	2.4	65	17.6	66	86	33	5	0	0	0	0
AMARILLO	102	68	108	64	85	8	8	-.8	.4	14	16.7	150	60	23	7	7	7	7	7
AUSTIN	100	75	101	74	87	4	T	-.6	1.1	4	7.6	82	60	17	7	7	7	7	7
BEAUMONT	92	74	94	70	83	1	2.2	1.0	1.6	51	15.3	95	91	34	7	0	0	0	0
BROWNSVILLE	93	76	96	74	85	1	.9	-.3	4.2	88	39.7	157	93	54	6	6	6	6	6
CORPUS CHRISTI	94	74	98	73	84	1	1	-.8	1.1	40	7.3	76	94	50	6	0	0	0	0
DEL RIO	100	78	103	75	89	4	0	-.4	.9	23	12.9	100	95	48	7	0	0	0	0
EL PASO	105	74	110	68	90	6	6	-.2	T	0	12.0	158	61	24	7	0	0	0	0
FORT WORTH	95	74	100	70	84	1	.3	-.2	T	0	1.2	58	36	15	7	0	0	0	0
GALVESTON	91	79	93	76	85	3	.1	-.8	1.9	81	31.1	187	88	42	6	0	0	0	0
HOUSTON	94	72	99	71	83	1	2.9	2.0	1.2	33	19.8	117	77	52	6	0	0	0	0
LUBBOCK	103	73	110	68	88	8	T	-.6	1.4	3.0	67	25.1	112	95	44	6	0	0	0
MIDLAND	103	73	109	70	88	6	0	-.3	T	0	6.0	73	47	18	7	0	0	0	0
SAN ANGELO	101	74	103	71	87	4	0	-.4	0	1	4.6	80	54	18	7	0	0	0	0
SAN ANTONIO	99	77	102	72	88	4	1.0	-.4	.1	3	12.3	148	64	20	7	0	0	0	0
VICTORIA	95	76	99	75	86	2	.3	-.6	1.2	39	18.0	128	86	33	7	0	0	0	0
WACO	100	75	104	72	88	3	.3	-.2	.8	18	12.4	73	95	44	7	0	0	0	0
WICHITA FALLS	102	75	107	71	89	5	.2	-.3	1.0	38	20.8	124	85	34	7	0	0	0	0
UT CEDAR CITY	96	61	98	56	78	8	0	-.5	2.7	96	26.9	195	75	25	7	0	0	0	0
SALT LAKE CITY	100	69	103	61	84	12	0	-.2	0	.3	67	5.8	121	27	10	7	0	0	0
VT BURLINGTON	74	56	84	46	65	-3	.5	-.4	.7	69	6.5	73	36	11	7	0	0	0	0
VA NORFOLK	90	69	97	65	79	3	.4	-.5	3.1	85	16.5	110	93	51	0	0	0	0	0
RICHMOND	92	65	97	56	78	2	.3	-.6	3.5	101	20.6	99	90	41	4	0	0	0	0
ROANOKE	88	61	94	54	75	1	.3	-.5	1.0	27	18.4	93	88	34	5	0	0	0	0
WA QUILLAYUTE	63	51	65	43	57	0	0	-.2	.8	25	18.8	96	91	38	4	0	0	0	0
SEATTLE-TACOMA	73	53	79	50	63	0	.8	-.2	3.3	6.6	234	58.3	109	97	65	0	0	0	0
SPOKANE	83	56	89	52	69	4	T	-.2	3.1	224	23.4	122	92	52	0	0	0	0	0
YAKIMA	85	54	90	46	70	3	.1	-.2	1.9	158	10.7	118	75	26	0	0	0	0	0
WV BECKLEY	79	57	84	51	68	0	.2	0	.3	53	3.5	80	75	23	2	0	0	0	0
CHARLESTON	87	62	92	55	74	1	.1	-.8	3.1	78	19.9	92	94	47	0	0	0	0	0
BUNTINGTON	86	62	90	54	74	0	.4	-.5	3.0	91	19.3	92	96	45	3	0	0	0	0
PARKERSBURG	83	59	88	51	71	-2	.2	-.8	4.2	123	24.7	118	94	43	2	0	0	0	0
WI GREEN BAY	81	60	87	52	71	3	.5	-.3	3.2	83	21.9	111	99	55	0	0	0	0	0
LACROSSE	85	65	89	55	75	4	.5	-.5	3.3	10.3	327	20.0	154	93	51	0	0	0	0
MADISON	84	61	89	47	72	3	2.4	1.4	4.3	104	15.3	106	99	55	0	0	0	0	0
MILWAUKEE	82	60	93	53	71	3	1.9	1.0	2.0	4.9	126	18.9	131	95	56	0	0	0	0
WAUSAU	81	58	85	48	69	2	.3	-.6	1.2	5.0	139	22.4	149	89	52	1	0	0	0
WY CASPER	98	57	102	52	78	11	T	-.2	6.6	167	16.6	116	96	49	0	0	0	0	0
CHEYENNE	92	59	96	56	76	10	T	-.4	.7	54	5.2	77	62	11	7	0	0	0	0
LANDER	97	62	99	57	80	14	T	-.2	1.0	52	10.8	145	61	16	6	0	0	0	0
SHERIDAN	90	55	97	51	72	7	T	-.4	.4	25	4.3	51	34	9	7	0	0	0	0
									2.0	91	8.6	94	88	31	3	0	0	0	0

Based on 1951-80 normals

National Agricultural Summary

June 25 - July 1, 1990

HIGHLIGHTS: Above-normal temperatures stressed crops and livestock in many areas. Winter wheat harvest advanced rapidly in the central and southern Great Plains but still lagged behind normal in portions of the Corn Belt. Beneficial rains added to soil moisture supplies in the central and northern Corn Belt. Soil moisture was surplus to adequate in Iowa and adequate to surplus in Minnesota, Illinois, Wisconsin, and Michigan. Rain was needed in the East, especially in Georgia and the Carolinas where soil moisture was very short to short. Soil moisture was mostly short to adequate in the Delta and most of the West. In the Great Plains, soil moisture was adequate to short in most areas.

SMALL GRAINS: Winter wheat was mostly good to fair with harvest 50 percent (%) complete, 6 percentage points behind the 5-year average. Harvest advanced rapidly in the central and southern Great Plains. In Kansas, harvest advanced 45 points, reaching 65% completion, 5 points behind normal. Harvest was virtually complete in Oklahoma and was 85% complete, 3 points ahead of normal in Texas. Texas' harvest was complete except in the Plains area. Harvest lagged more than 20 points behind normal in Illinois, Indiana, Missouri, and Nebraska. In Illinois, harvest advanced 34 points but was still 32 points behind the 70% average. Harvest made some progress in Indiana and Missouri and was just getting underway in Nebraska. Harvest was complete or nearly complete in Arkansas, Georgia, and North Carolina. Lack of moisture stressed winter wheat in central Washington. Harvest was just beginning in eastern Oregon.

Spring wheat was mostly good with 58% of the acreage headed, 3 points ahead of normal. North Dakota's crop was good with 54% of the acreage headed, 2 points ahead of normal.

CORN: Corn was in mostly good-to-fair condition. Three percent of the acreage was silked, 3 points behind normal. Corn was good to fair in Illinois and Iowa and mostly good in Nebraska. Lack of moisture lowered crop condition in the Southeast. Georgia's corn was in mostly fair-to-poor condition. Record-high temperatures stressed corn in Texas.

SOYBEANS: Soybean planting was 95% complete, 1 point behind normal. Crop condition was good to fair with 1% of the acreage blooming, 8 points behind normal. Crop condition was good to fair in Iowa, Illinois, Indiana, and Ohio. Crusted and compacted soil hindered emergence in portions of Ohio. Lack of moisture stressed soybeans in the Southeast. Crop condition was fair to poor in Georgia and South Carolina. Missouri's crop was mostly fair with planting 80% complete, 14 points behind normal.

COTTON: Cotton was in mostly good-to-fair condition with 62% of the acreage squaring, 9 points ahead of normal. Thirteen percent of the acreage was setting bolls, equal to the average. In Texas, cotton was in fair-to-good condition. Lack of moisture stressed cotton in the Plains area. Bolls were opening in the Coastal Bend and Rio Grande Valley. California's cotton was in good condition. High temperatures stressed the crop in the desert area. Crop condition was good to excellent in Arizona. Cotton was in good-to-fair condition in Mississippi, Arkansas, and Louisiana.

SORGHUM: Sorghum planting was 97% complete, equal to the average. Crop condition was good to fair. Planting still lagged behind normal in Illinois and Missouri but was complete or nearly complete in the other major producing States. Crop condition was good to fair in Nebraska and mostly good in Kansas. Texas' crop was in fair-to-good condition. Hot, dry weather stressed the crop in many areas. Some lodging occurred in the Blacklands. Harvest continued in the Coastal Bend area and Rio Grande Valley, while fields were turning color in the Blacklands, Upper Coast, and central areas.

OTHER FIELD CROPS: Rice was in mostly good to fair condition with 8% of the acreage headed, equal to the average. Arkansas' rice was good to fair. Water weevils were a problem in some areas. Peanuts were in good-to-fair condition in Georgia and mostly good in Alabama. Lack of moisture lowered peanut condition in Georgia. Peanut planting continued in Oklahoma and Texas. Dry soil conditions slowed peanut planting in the Cross Timbers and Hill Country of Texas. Tobacco was in fair-to-good condition in Kentucky and good-to-fair in Tennessee. Tobacco harvest continued in North Carolina where crop condition was good to fair. Louisiana's sugarcane was fair to good.

FRUIT AND NUTS: Moisture was adequate in most of Florida's citrus producing areas. New crop fruit sizes were good. Valencia orange harvest was complete. Peach harvest continued ahead of normal in the Delta and Southeast. Late variety peach harvest continued in Texas. Texas pecans were showing signs of heat stress. Grape harvest was active in central and western Arizona. Desert valley table grape harvest continued in California. Grapefruit and Valencia orange harvests were active. Cherry harvest continued in Oregon, Washington, and Idaho. In the northern Willamette Valley of Oregon, some cherry orchards will not be harvested due to excessive fruit splitting. Cherry harvest was underway in the Hood River Valley. Sweet cherry harvest began in New York.

VEGETABLES: Florida's vegetable harvests were nearly complete. Smaller supplies of watermelons and sweet corn were available. Growers were preparing for fall plantings. Watermelons were in fair condition in Georgia and South Carolina and harvest was ahead of normal. Irish potato harvest was 65% complete in North Carolina. Sweetpotato planting continued in Louisiana and Mississippi. Louisiana's vegetables were in good-to-fair condition. High temperatures stressed vegetables in Texas. Watermelon harvest continued in the Rio Grande Valley and San Antonio-Winter Garden areas, and onion harvest was active in the Trans-Pecos area. Vegetable harvests continued in central and western Arizona. In California, cantaloupe and honeydew melon harvests were underway in the Huron area. Sweet corn harvest continued in the Fresno and Visalia areas and was complete in the Coachella Valley. Early potato harvest was underway in Washington. North Dakota's potatoes were in good condition.

PASTURES AND LIVESTOCK: Pastures were in good or good-to-excellent condition in the Corn Belt but declined in most other areas. In the Delta and Southeast, pastures were in mostly fair-to-good condition. In the Great Plains, pastures were mostly good to fair. Above-normal temperatures stressed livestock in many areas.

Crop Progress

FOR WEEK ENDING JULY 1, 1990

WINTER WHEAT
% HARVESTED

	1990	1989	AVG.
AR	98	84	93
CA	65	75	72
CO	7	0	13
GA	100	95	98
ID	1	0	0
IL	38	48	70
IN	18	20	40
KS	65	35	70
MI	0	0	0
MO	33	58	73
MT	0	0	0
NE	4	10	30
NC	98	55	82
OH	0	0	10
OK	99	80	95
OR	1	0	1
SD	0	1	1
TX	84	67	81
WA	0	0	0

19 STATES 50 39 56

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

SOYBEANS
% PLANTED

	1990	1989	AVG.
AL	95	77	88
AR	90	80	89
GA	93	87	91
IL	96	100	100
IN	98	98	99
IA	100	100	100
KS	95	90	90
KY	84	75	86
LA	93	83	91
MI	100	95	98
MN	99	99	99
MS	92	68	85
MO	80	93	94
NE	100	100	100
NC	90	73	86
OH	99	84	96
SC	92	83	89
SD	100	100	97
TN	86	82	89

19 STATES 95 92 96

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

SOYBEANS
% BLOOM

	1990	1989	AVG.
AL	6	5	6
AR	0	0	0
GA	7	5	8
IL	0	12	24
IN	0	0	6
IA	0	2	12
KS	5	5	5
KY	0	3	4
LA	1	5	5
MI	0	0	0
MN	0	0	10
MS	8	1	4
MO	0	8	10
NE	0	1	6
NC	0	0	0
OH	0	0	0
SC	3	0	0
SD	4	6	7
TN	2	1	2

19 STATES 1 4 9

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

COTTON
% SQUARING

	1990	1989	AVG.
AL	84	78	80
AZ	98	99	94
AR	74	66	79
CA	75	85	82
GA	88	83	81
LA	90	53	69
MS	79	51	75
MO	63	67	75
NM	47	65	60
NC	64	14	51
OK	30	5	10
SC	59	41	65
TN	44	55	67
TX	48	31	29

14 STATES 62 49 53

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

CORN
% SILKING

	1990	1989	AVG.
CO	0	0	5
GA	93	94	93
IL	0	1	11
IN	0	0	2
IA	0	0	0
KS	3	5	10
KY	5	11	20
MI	0	0	0
MN	0	0	0
MO	0	0	0
NE	0	0	3
NC	50	17	43
OH	0	0	0
PA	0	0	0
SD	0	0	0
TX	64	66	67
WI	0	0	0

17 STATES 3 3 6

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

GRAIN SORGHUM
% PLANTED

	1990	1989	AVG.
AR	96	99	99
CO	95	97	97
IL	84	99	98
KS	96	90	95
LA	100	98	100
MS	100	100	100
MO	87	99	99
NE	100	100	100
NM	78	NA	NA
OK	98	85	95
SD	93	92	95
TX	99	95	96

12 STATES 96 NA NA

EXCL. STATES WITH NA 97 94 97

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

NA - NOT AVAILABLE.

COTTON
% SETTING BOLLS

	1990	1989	AVG.
AL	15	17	15
AZ	69	82	58
AR	4	0	10
CA	5	10	14
GA	34	8	24
LA	19	7	15
MS	19	0	8
MO	0	0	0
NM	5	0	6
NC	0	0	9
OK	0	0	0
SC	14	2	18
TN	0	0	0
TX	10	11	12

14 STATES 13 11 13

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

RICE
% HEADED

	1990	1989	AVG.
AR	0	0	0
CA	0	0	0
LA	25	22	22
MS	0	1	3
TX	24	31	27

5 STATES 8 8 8

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

SPRING WHEAT
% HEADED

	1990	1989	AVG.
ID	62	41	51
MN	70	50	68
MT	38	20	39
ND	54	34	52
SD	86	83	80

5 STATES 58 40 55

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

Crop Condition

FOR WEEK ENDING JULY 1, 1990

WINTER WHEAT

STATE	VP	P	F	G	EX
AR	0	20	79	1	0
CA	0	0	10	85	5
CO	5	7	32	47	9
GA	5	24	27	43	1
ID	0	2	14	63	21
IL	12	26	38	23	1
IN	3	8	39	47	3
KS	0	1	20	46	33
MI	0	5	15	55	25
MO	8	42	42	8	0
MT	1	7	19	54	19
NE	0	6	38	49	7
NC	0	0	41	57	2
OH	1	5	27	55	12
OK	0	0	10	85	5
OR	0	0	35	63	2
SD	0	3	16	74	7
TX	3	0	34	60	3
WA	0	0	33	62	5
19 STATE	2	5	26	54	13
PREV WEEK	1	6	28	51	14
PREV YEAR	20	20	32	24	4

CORN

STATE	VP	P	F	G	EX
CO	0	5	25	64	6
GA	18	18	51	13	0
IL	0	2	30	62	6
IN	0	1	41	49	9
IA	0	4	31	60	5
KS	0	0	23	58	19
KY	0	10	39	43	8
MI	0	5	20	55	20
MN	0	1	38	55	6
MO	1	14	50	35	0
NE	0	0	13	69	18
NC	1	17	48	34	0
OH	3	10	35	45	7
PA	1	7	22	53	17
SD	0	2	8	77	13
TX	6	12	36	41	5
WI	1	2	30	61	6
17 STATE	1	4	30	57	8
PREV WEEK	1	5	30	57	7
PREV YEAR	0	3	24	62	11

SOYBEANS

STATE	VP	P	F	G	EX
AL	0	1	44	51	4
AR	0	6	56	38	0
GA	13	21	51	15	0
IL	0	1	46	51	2
IN	0	0	43	56	1
IA	0	8	32	55	5
KS	6	5	13	58	18
KY	0	10	35	49	6
LA	0	5	35	60	0
MI	0	5	15	60	20
MN	0	3	39	53	5
MS	0	12	45	37	6
MO	2	15	58	23	2
NE	0	0	13	75	12
NC	0	4	47	49	0
OH	2	9	36	46	7
SC	0	28	62	10	0
SD	0	2	7	78	13
TN	0	4	24	71	1
19 STATE	1	6	39	49	5
PREV WEEK	0	6	39	51	4
PREV YEAR	0	6	33	55	6

SPRING WHEAT

STATE	VP	P	F	G	EX
ID	0	3	12	55	30
MN	0	0	17	53	30
MT	7	13	20	52	8
ND	0	4	16	53	27
SD	1	1	13	69	16
5 STATE	2	5	16	55	22
PREV WEEK	1	2	20	56	21
PREV YEAR	1	4	28	57	10

SORGHUM

STATE	VP	P	F	G	EX
AR	0	4	65	31	0
CO	1	14	26	54	5
IL	0	0	63	37	0
KS	1	2	27	46	24
LA	0	9	33	58	0
MS	0	1	45	53	1
MO	3	15	56	26	0
NE	0	0	31	58	11
NM	38	7	37	18	0
OK	0	0	40	55	5
SD	6	2	40	49	3
TX	2	17	35	43	3
12 STATE	2	7	34	46	11
PREV WEEK	2	5	28	54	11
PREV YEAR	1	12	32	44	11

COTTON

STATE	VP	P	F	G	EX
AL	0	0	25	69	6
AZ	0	0	9	64	27
AR	0	0	23	77	0
CA	0	0	10	85	5
GA	1	9	58	32	0
LA	0	0	14	86	0
MS	0	12	23	49	16
MO	8	25	50	17	0
NM	0	0	50	50	0
NC	4	0	21	68	7
OK	0	0	20	80	0
SC	0	1	89	10	0
TN	5	4	29	62	0
TX	0	16	35	45	4
14 STATE	0	9	28	58	5
PREV WEEK	1	6	30	59	4
PREV YEAR	0	17	43	36	4

RICE

STATE	VP	P	F	G	EX
AR	0	0	34	66	0
CA	0	0	15	75	10
LA	0	0	31	69	0
MS	0	2	64	27	7
TX	0	1	28	58	13
5 STATE	0	0	32	64	4
PREV WEEK	0	1	28	65	6
PREV YEAR	0	1	28	64	7

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 under 0.50 in.; over 1.00 in. isolated areas. Temperatures 2° above normal.

Days suitable for fieldwork 6.5. Soil moisture 87% short, 13% adequate. Continued hot, dry weather most areas; irrigation increased, where available. Corn 80% silked, 78% 1989, 77% avg.; 12% dented, 11% 1989, 13% avg.; 68% fair, 23% good, 9% excellent. Sorghum 98% planted, 82% 1989, 88% avg.; 43% fair, 54% good, 3% excellent. Cotton 84% squaring, 78% 1989, 80% avg.; 15% setting bolls, 17% 1989, 15% avg.; 25% fair, 69% good, 6% excellent. Peanuts 56% pegging, 53% 1989, 44% avg.; 17% fair, 69% good, 14% excellent. Soybeans 95% planted, 77% 1989, 88% avg.; 1% poor, 44% fair, 51% good, 4% excellent. Winter wheat 95% harvested, 72% 1989, 89% avg. First hay 96% harvested, 87% 1989, 93% avg. Pastures 13% poor, 67% fair, 17% good, 3% excellent. Livestock 25% fair, 72% good, 3% excellent. Primary activities: Controlling weeds, insects in row crops; cutting, baling hay; planting late soybeans, sorghum; combining winter wheat, small grains; applying fungicides to peanuts; harvesting fruits, vegetables; routine care of livestock, poultry, catfish.

ALASKA: Shower activity in differing light amounts was a cause for concern as farmers were trying to get first crop hay harvested. Highs 3° below normal to 1° above normal. Lows 2° below normal to 2° above normal. Seasonal precipitation 0.92 in. below normal at Clearwater to 1.42 in. above normal at Kenai.

Days suitable for fieldwork 4.0. Topsoil 23% short, 77% adequate. Subsoil 17% short, 83% adequate. Small grain stage: 95% oats, 55% barley in boot stage of development. Heights of avg. 9 in. Crop growth mostly moderate; slow in areas needing rain. Harvest first crop hay 20% complete. Pasture, range mostly good to excellent. Commercial potato heights avg. 5 in. Harvest of radishes, turnips, spinach, other greens underway.

ARIZONA: Sunny, hot; record heat 20th to 26th. Widely scattered thunderstorms 28th to 29th over central mountains, southeast. Temperatures 5 to 13° above normal.

Cotton crop 98% squaring, 99% 1989, 94% avg.; 69% setting bolls, 82% 1989, 58% avg.; heat damage to double crop cotton south central; crop 9% fair, 64% good, 27% excellent. Small grains harvest essentially completed; alfalfa hay harvest mostly active; crop 67% good, 33% excellent. Grape, mixed melon, processing tomato, garlic, onions harvested west; mixed melon, chipper potato, carrot, sweet corn, grapes, mixed vegetable harvests continued central; dry onion, cabbage harvests continued east. Severe drought conditions continued; grasshopper damage moderate to heavy northeast; cattle, calves fair to good condition; stockwater, soil moisture short; ranges providing below average feed supplies; sheep, lambs fair.

ARKANSAS: Warm, dry week. Temperatures near normal. Isolated rain showers western. Extremes 58°; 101°. Rainfall none to 1.98 in.

Days suitable for fieldwork 6.0. Soil moisture 48% short, 52% adequate. Main activities: Soybean planting; flooding rice fields; applying fertilizer, herbicides, insecticides; cutting, baling hay; irrigation, cultivation. Corn 40%

fair, 60% good. Oats 98% harvested, 90% 1989, 92% avg. Cotton 74% squaring, 66% 1989, 79% avg.; 23% fair, 77% good. Soybeans 76% emerged, 70% 1989, 79% avg.; 6% poor, 56% fair, 38% good. Sorghum 91% emerged, 98% 1989, 98% avg.; 4% poor, 65% fair, 31% good. Salt, hail, water weevil damage in rice. Sorghum growing well with some weed problems. Low wheat yields, test weights. Corn tasseling, irrigation continues. Quality of blueberries, peaches, tomatoes good. Pastures 9% poor, 79% fair, 12% good. Livestock good, flies, heat causing stress.

CALIFORNIA: Very strong high pressure built over the south western United States allowing temperatures to warm much above normal particularly in the south end of the State only the coast remained its normal cool. No rain fell during the period.

Small grain harvesting past halfway point, few counties complete, to nearly complete. Strong, warm winds northern counties dried soil, hastened plant maturity. Corn planting continued central valley. Rice growers treating fields control weeds. Cotton fields central valley progressing well growers applied treatments mites, weeds. High temperatures desert area caused loss of bloom or young bolls. Sugarbeet harvest active. Sudan, alfalfa hay cutting continued. Safflower fields bloom, being treated to control lygus. Apple growers sprayed for codling moth. Apricot harvest continued. Avocado harvest slow. Figs packed, Fresno County. Grapes irrigated; treated for pests, mildew. Early variety table grape harvest imminent San Joaquin Valley. Desert valley table grape harvest continued. Forty two percent freestone peaches, 35% nectarines, 32% plums packed. Peaches thinned, sprayed for pests. Grapefruit, valencia orange harvests advanced. Some oranges sprayed for red scale. Citrus growers watched for sunburn, increased June drop, Riverside County. Almonds irrigated, treated for worms. Walnuts sprayed for codling moth. Broccoli moderate supply Salinas area, generally good quality. Cantaloupe, honeydew harvest underway Huron area. Cauliflower moderate supply, variable quality. Celery moderate supply central coast generally good quality. Sweet corn being picked Fresno, Visalia areas. Harvest Coachella Valley completed. Iceberg head lettuce heavy supply Salinas area, variable quality. Spring potato harvest continued seasonally. Processing, fresh market tomatoes being harvested. Raspberries heavy supply Watsonville area. Livestock generally good. Pasture, range conditions continued mostly good to fair northern third of State, fair to poor or very poor elsewhere. Water supplies adequate northern areas. Central, southern areas marginally sufficient water supplies, concern about adequate supplies for mid, late summer.

COLORADO: Continued hot dry weather with a few widely scattered thundershowers. Record highs in several locations, with some areas reaching 110°. Temperatures 5 to 10° above normal.

Days suitable for fieldwork 6.6. Soil moisture 30% very short, 52% short, 18% adequate. First cutting alfalfa, 75% cut; 2nd cutting 6% cut. Barley, 77% headed; 33% turning color. Oats 71% headed; 19% turning color. Spring wheat 60% headed; 11% turning color. Winter wheat 86% turning color; 7% harvested; 5% very poor, 7% poor, 32% fair, 47% good, 9% excellent. Sorghum,

79% emerged. Ranges, pastures mostly fair to good while livestock was mostly good.

FLORIDA: Temperatures 1 to 2° above normal, north, near normal elsewhere. Extreme highs upper 90s Panhandle, 100 to 101° elsewhere north; mid 90s Peninsula except low 90s southeast coast. Coolest lows mid 60s north to around 70° southeast coast. Rain more variable; many areas none to 0.50 in. local Peninsula areas had 1.00 to 5.00 in.

Soil moisture short to adequate statewide. Summer showers very spotty. Tobacco, hay, corn silage harvests active. Soybean planting virtually complete. Cotton, peanuts, sugarcane good progress. Panhandle, central Peninsula pastures fair to excellent; northern Peninsula poor to excellent; southern Peninsula poor to good. Cattle varied fair to excellent, mostly good. Rains variable citrus areas, moisture adequate. Most young trees rapid growth; ideal growing conditions all areas. New crop fruit sizes seasonally good. Valencia harvest complete. Caretakers busy with normal summer activities. Typical summer weather, vegetable producing areas. Harvest nearly complete most areas. Decreasing supply watermelons, sweet corn available. Growers prepared for fall plantings.

GEORGIA: Temperatures 2 to 4° above normal. Hottest late week through weekend. Maximum 100° plus south half State. Augusta, Jesup, Midville, Savannah all 102°. Coolest mostly 60s, low 50s mountains to low 70s along coast. Widely scattered thunderstorms missed most locations. Local rains 0.50 in. or more, mainly north areas.

Days suitable for fieldwork 6.4. Soil moisture 62% very short, 35% short, 3% adequate. Corn 74% dough, 61% 1989, 64% avg.; 38% dent, 21% 1989, 28% avg.; 3% mature, 1% 1989, 5% avg.; corn off sharply. Cotton down sharply. Sorghum 2% very poor, 18% poor, 64% fair, 16% good; 95% planted, 93% 1989, 94% avg. Peanuts 2% very poor, 1% poor, 45% fair, 52% good; 90% blooming, 90% 1989, 84% avg.; 54% pegging, 55% 1989, 49% avg.; peanuts down sharply. Drought problems in soybeans. Tobacco 3% very poor, 48% fair, 49% good; 17% harvested, 12% 1989, 13% avg. Watermelons 37% poor, 33% fair, 30% good; 58% harvested, 27% 1989, 42% avg. Wheat harvest virtually complete. Apples 1% very poor, 26% poor, 53% fair, 20% good. Peaches 11% very poor, 11% poor, 53% fair, 25% good; 84% harvested, 69% 1989, 70% avg. Hay, pastures poor to fair, off sharply. Livestock good, heat, declining pastures lowering condition. Main activities: Farmers irrigating, spraying for insects, harvesting hay, tobacco, peaches, hauling hay to cattle on pastures.

HAWAII: Fair weather continued over islands. Skies mostly sunny with scattered showers. Winds gusty up to 25 mph with temperatures from high 60s to upper 80s. Rainfall from none to 2.60 in.

Days suitable for farm work 7.0. Sugar, pineapple harvest continuous. Watermelon harvest heavy for up coming 4th of July Holiday.

IDAHO: Temperatures generally 5 to 9° above normal, no measurable precipitation.

Days suitable for fieldwork 7.0. Soil moisture 12% very short, 11% short, 71% adequate, 6% surplus. Winter wheat good; 20% turning color. Spring wheat good. Potatoes 98% emerged, 95% 1989, 99% avg.; 50% over 12" high, 17% closing middles. Spring barley 64% headed, 51% 1989, 49% avg. Alfalfa 1st cutting 75% harvested, 81% 1989, 80% avg. Dry beans nearly emerged. Cherries 83% harvested, 54% 1989, 44% avg. Weeding mint continued, harvest just underway. Other fruit progressing well, setting north. Irrigation water

supplies good. Livestock good to excellent. Range, pasture 5% very poor, 5% poor, 18% fair, 57% good, 15% excellent. Concerns stockwater distribution, east.

ILLINOIS: Temperatures generally 1° above normal across State. Precipitation 0.75 to 2.00 in. central, north; isolated areas 2.00 to 3.50 in.

Days suitable for fieldwork 5.00. Soil moisture 3% short, 50% adequate, 47% surplus. Corn height 28 in., 43 in. 1989, 52 in. avg.; height most advanced 45 in., 59 in. 1989, 69 in. avg. Wheat turning yellow 99%, 100% 1989, 100% avg.; ripe 80%, 89% 1989, 94% avg. Oats 15% fair, 71% good, 14% excellent; headed 94%, 99% 1989, 100% avg.; filled 60%, 80% 1989, 92% avg.; turning color 12%, 24% 1989, 56% avg.; ripe 2%, 3% 1989, 19% avg. Alfalfa 14% fair, 73% good, 13% excellent.; hay second cutting 17%, 35% 1989, 40% avg. Red clover 13% fair, 76% good, 13% excellent. Clover hay cut 68%, 79% 1989, 88% avg. Pasture 8% fair, 63% good, 29% excellent.

INDIANA: Temperatures up to 3° above normal. Lows to mid 60s, highs low 80s to 90. Precipitation 0.10 to 2.00 in.

Days suitable for fieldwork 4.7. Topsoil 6% short, 84% adequate, 10% surplus. Subsoil 92% adequate, 8% surplus. Corn 26 in. high, 32 in. 1989, 43 in. avg. Soybeans 95% emerged, 93% 1989, 97% avg. Soybeans 8 in. high, 8 in. 1989, 11 in. avg. Oats 92% headed, 88% 1989, 93% avg. Alfalfa hay 98% cut, 98% 1989, 99% avg. Other hay 88% cut, 88% 1989, 93% avg. Pasture 1% poor, 14% fair, 77% good, 8% excellent. Wheat 49% ripe, 48% 1989, 79% avg. Warm temperatures, timely rains helped corn, soybean progress most areas.

IOWA: Temperatures 5 to 8° above normal. Extremes 60°; 97°. Precipitation none to 5.72 in.; average 0.82 in.

Days suitable for fieldwork 4.1. Topsoil 46% adequate, 54% surplus. Subsoil 65% adequate, 35% surplus. Winter wheat mostly good to excellent. Hay 2% poor, 14% fair, 65% good, 19% excellent. Pasture 1% poor, 7% fair, 56% good, 36% excellent. Oats 95% headed, 100% 1989, 100% avg.; 15% turning color, 18% 1989, 50% avg.; 2% poor, 10% fair, 67% good, 21% excellent. First crop alfalfa hay 90% harvested, 100% 1989, 100% avg. Soybeans 40% cultivated first time, 90% 1989, 85% avg. Livestock mostly good to excellent. Muddy feedlots continued causing stress. Heat stress noted in hogs.

KANSAS: Weather hot, dry with temperatures 5 to 10° above normal. West central, northwest 11 to 14° above normal. Rainfall light 0.01 in. west central, central, south central; 0.62 in. east central, 0.67 in. northeast.

Days suitable for fieldwork 6.0. Topsoil 45% short, 50% adequate, 5% surplus. Subsoil 22% short, 76% adequate, 2% surplus. Wheat harvest made rapid progress under near ideal weather conditions. Harvest full swing northern areas, complete south central. Corn good progress, starting to silk. Hot, dry weather stressing some stands. Farmers keeping eye on chinch bug, grasshopper populations as migrations move from wheat to corn, sorghum. Sorghum good progress, moisture supplies disappearing rapidly. Soybean planting still ahead schedule; most acreage remaining to be planted in southeast where wet fields still a problem. Ideal hay harvest weather; second cutting alfalfa nearing halfway mark. Range, pasture good for time of year; forage adequate.

KENTUCKY: Warmer than normal. Mean temperatures middle 70s, highs upper 80s to lower

90s, lows low to middle 60s. Livestock safety index in danger category much of the week. Precipitation spotty, light, average 0.10 in.; weekly deficits near 1.00 in.; isolated areas 1.00 in. from thunderstorms.

Days suitable for fieldwork 5.8. Soil moisture 5% very short, 44% short, 49% adequate, 2% surplus. Corn 5% tasselled. Wheat harvest 70% complete, 58% 1989, 74% avg. Tobacco continues fair to good. Some resetting being done, Blank Shank, Japanese beetles active. Haying active. Pastures 2% poor, 17% fair, 67% good, 14% excellent. Corn, pastures beginning to show heat stress.

LOUISIANA: Temperatures 1 to 2° below normal. Extremes 60°; 96°. Rainfall 0.26 to 1.92 in.

Days suitable for fieldwork 5.9. Soil moisture 64% short, 36% adequate. Spring plowing 100%, 100% 1989, 100% avg. Corn silked 100%, 87% 1989, 91% avg.; dough stage 65%, 51% 1989, 57% avg.; mature 1%, 4% 1989, 5% avg.; 25% fair, 69% good, 6% excellent. Harvest for silage began. Cotton squaring 90%, 53% 1989, 69% avg.; setting bolls 19%, 7% 1989, 15% avg.; 14% fair, 86% good. Hay first cutting 91%, 71% 1989, 87% avg. Peaches harvested 56%, 29% 1989, 49% avg.; 40% fair, 60% good. Rice headed 25%, 22% 1989, 22% avg.; 31% fair, 69% good. Sorghum emerged 100%, 96% 1989, 99% avg.; headed 32%, 13% 1989, 32% avg.; 9% poor, 33% fair, 58% good. Soybeans planted 93%, 83% 1989, 91% avg.; emerged 91%, 77% 1989, 83% avg.; blooming 1%, 5% 1989, 5% avg.; 5% poor, 35% fair, 60% good. Sweet potatoes planted 88%, 83% 1989, 92% avg.; 43% fair, 43% good, 14% excellent. Harvesting began; high yields, quality reported. Sugarcane 11% poor, 67% fair, 22% good. Preparation for fall planting continued. Wheat harvested 99%, 93% 1989, 98% avg. Livestock 18% fair, 79% good, 3% excellent. Pasture 6% poor, 36% fair, 58% good. Vegetables 41% fair, 59% good.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.26 in. Temperature 75°, normal 74°. Extremes 45°; 97°.

Days suitable for fieldwork 6.4. Topsoil 16% very short, 52% short, 32% adequate. Subsoil 5% very short, 16% short, 79% adequate. Soybeans 98% planted, 91% 1989, 95% avg. Small grains fair to good. Wheat 98% turning, 96% 1989, 98% avg.; 50% harvested, 38% 1989, 53% avg. Oats 27% turning, 39% 1989; 15% harvested, 4% 1989, 13% avg. Barley 90% harvested, 76% 1989, 89% avg. Rye 94% turned, 98% 1989, 100% avg.; 39% harvested, 44% 1989, 48% avg. Snap beans 30% harvested, 19% 1989, 22% avg. Lima beans 97% planted, 100% 1989, 100% avg. Green peas 90% harvested, 100% 1989, 98% avg. Hay supplies adequate. Alfalfa hay second cut 40% complete, 17% 1989, 49% avg. Other hay first cut 98% complete, 83% 1989, 97% avg. Other hay second cut 10% complete, 4% 1989, 13% avg. Apples fair. Peaches poor to fair. Pasture fair to good.

DELAWARE: Precipitation 0.16 in. Temperature 76°, normal 74°. Extremes 57°; 95°.

Days suitable for fieldwork 7.0. Topsoil 28% very short, 58% short, 14% adequate. Subsoil 57% short, 43% adequate. Soybeans 95% planted, 80% 1989, 80% avg. Small grains good. Wheat 50% harvested, 26% 1989, 49% avg. Barley 99% harvested, 71% 1989, 91% avg. Rye 20% harvested, 43% 1989, 34% avg. Snap beans 15% harvested, 0% 1989, 0% avg. Lima beans 80% planted, N/A 1989, N/A avg. Green peas 90% harvested, 86% 1989, 86% avg. Hay supplies adequate. Alfalfa hay second cut 37% complete, 31% 1989, 63% avg. Other hay second cut 8% complete, 7% 1989, 16% avg. Apples fair to good. Peaches very poor. Pasture fair.

MICHIGAN: Temperatures 1 to 3° below normal. Extremes 39°; 90°. Precipitation 0.02 to 2.28 in. across the State.

Days suitable for fieldwork 4.0. Soil moisture 5% short, 75% adequate, 20% surplus. Corn 0% silking, 0% 1989, 0% avg.; 5% poor, 20% fair, 55% good, 20% excellent. Soybeans 100% planted, 95% 1989, 98% avg.; 0% blooming, 0% 1989, 0% avg.; 5% poor, 15% fair, 60% good, 20% excellent. Wheat 25% turning, 25% 1989, 55% avg.; 0% harvested, 0% 1989, 0% avg.; 5% poor, 15% fair, 55% good, 25% excellent. Pasture 2% poor, 18% fair, 50% good, 30% excellent. Major activities: Weed spraying, cultivating, side dressing fields, chopping hay, replanting beans as needed, cleaning, repairing equipment, checking crops for weeds, drowned out spots, hand thinning apples, spraying trees, preparing for pick your own cherry operations.

MINNESOTA: Temperatures 0 to 8° above normal. Extremes 43°; 94°. Precipitation 0.07 to 2.70 in.; greatest weekly total 3.94 in.

Days suitable for fieldwork 3.7. Topsoil 5% short, 58% adequate, 37% surplus. Subsoil 5% very short, 21% short, 58% adequate, 16% surplus. Spring wheat 99% jointing, 90% 1989, 93% avg.; 70% heading, 50% 1989, 68% avg. Oats 99% jointing, 97% 1989, 96% avg.; 80% heading, 77% 1989, 83% avg. Barley 99% jointing, 86% 1989, 92% avg.; 76% heading, 42% 1989, 67% avg. Corn 80% cultivated once, 90% 1989, 93% avg.; 22 in. average unextended height, 26 in. 1989, 33 in. avg. Soybeans 97% emerged, 99% 1989, 99% avg.; 57% cultivated once, 69% 1989, 80% avg.; 7 in. average unextended height, 8 in. 1989, 10 in. avg. Alfalfa 74% first crop cut, 88% 1989, 93% avg. Field corn 1% poor, 38% fair, 55% good, 6% excellent. Soybeans 3% poor, 39% fair, 53% good, 5% excellent. Spring wheat 17% fair, 53% good, 30% excellent. Oats 10% fair, 62% good, 28% excellent.

MISSISSIPPI: Temperatures 1° above normal. Extremes 57°; 99°. Dry statewide. Rainfall 0.26 in., 0.93 in. below normal. Soil temperatures 88°.

Days suitable for fieldwork 6.1, 2.4 1989, 4.5 avg. Soil moisture 7% very short, 50% short, 43% adequate. Wheat 97% harvested, 78% 1989, 92% avg.; 7% very poor, 53% poor, 31% fair, 9% good. Cotton 79% squaring, 51% 1989; 75% avg.; 12% poor, 23% fair, 49% good, 16% excellent. Corn 62% silking, 52% 1989, 62% avg.; dough 24%; harvested silage 5%; 24% fair, 69% good, 7% excellent. Rice 99% emerged, 98% 1989; 2% poor, 64% fair, 27% good, 7% excellent. Soybeans 92% planted, 68% 1989, 85% avg.; 84% emerged, 55% 1989, 75% avg.; 12% poor, 45% fair, 37% good, 6% excellent. Sorghum 32% heading; 1% poor, 45% fair, 53% good, 1% excellent. Peanuts 98% planted, 97% 1989, 98% avg. Sweet potatoes 98% planted, 89% 1989, 95% avg. Peaches 58% harvested, 44% 1989, 44% avg.; 30% very poor, 19% poor, 24% fair, 27% good. Hay 49% harvested, 34% 1989, 44% avg. Pasture, Livestock fair to good. Activities: Planting soybeans, cultivating row crops, cutting hay.

MISSOURI: Temperatures 6° above normal north to 3° below normal southeast. Rainfall 0.70 to 1.00 in. central, west central, southwest, none southeast, spotty elsewhere.

Days suitable for fieldwork 4.9, 3.1 days west central, southwest to 6.5 days southeast. Topsoil 13% short, 52% adequate, 35% surplus. Single crop soybean planting ranges 60% west central, southwest to 100% southeast. Sorghum planting ranges complete southeast, to 60% central. Wheat harvest complete southeast to under 10% north. Scab, diseases hurting wheat. Alfalfa first cutting 92%, 100% 1989 and avg. Alfalfa second cutting 18%, 40% 1989, 53% avg. Other hay 57% cut, 75% 1989, 78% avg. Pasture 12% fair, 69% good, 19% excellent.

MONTANA: Temperatures 6 to 12° above normal. Numerous locations east of Divide had temperatures

100° and above. Severe thunderstorms in northeast produced heavy rain, large hail, damaging winds. Thunderstorms widely scattered rest of State.

Days suitable for fieldwork 6.6. Topsoil 45% short, 53% adequate, 2% surplus. Subsoil 45% short, 54% adequate, 1% surplus. Barley 4% very poor, 8% poor, 18% fair, 57% good, 13% excellent; 30% headed, 22% 1989, 39% avg. Oats 7% very poor, 13% poor, 21% fair, 51% good, 8% excellent; 34% headed, 16% 39% avg. Pasture, range feed 4% very poor, 7% poor, 19% fair, 59% good, 11% excellent. First cutting alfalfa harvested 40%, 39% 1989, 65% avg. Other hay harvested 28%, 30% 1989, 33% avg.

NEBRASKA: Temperatures 8 to 12° above normal. Precipitation mid week, central part of the State, 0.50 to 1.50 in. Extremes 109°; 58°.

Days suitable for fieldwork 6.5. Topsoil 34% short, 61% adequate, 5% surplus. Subsoil 34% short, 66% adequate. Winter wheat 6% poor, 38% fair, 49% good, 7% excellent; 90% turning color, 40% ripe, 4% harvested; 92% 1989, 27% 1989, 10% 1989; 97% avg., 55% avg., 30% avg respectively. Corn 13% fair, 69% good, 18% excellent. Corn in southwest, central showing stress while northeast improving. Sorghum 31% fair, 58% good, 11% excellent. Soybean 13% fair, 75% good, 12% excellent. Alfalfa 2% poor, 21% fair, 57% good, 20% excellent. Second cutting harvest was 5% complete, compared to 8% 1989, 20% avg. Pasture, range 5% poor, 28% fair, 54% good, 13% excellent. Livestock are suffering from the heat, especially those in confinement.

NEVADA: Dry, warm airmass dominated entire week. High cloudiness gusty afternoon winds common. Temperatures well above normal. Extremes 31°; 115°. No rainfall.

Warm weather, strong gusty winds increased irrigation requirements. Water supply in question. Good progress harvesting second crop alfalfa hay. Quality very good since no precipitation. Ranges, pastures shows some deterioration from hot, dry weather.

NEW ENGLAND: Precipitation 1.15 to 1.70 in. Connecticut, up to 2.00 in. central Maine, 0.10 to 1.00 in. elsewhere. Temperatures mid 60s north, to low 70s south; 1 to 3° below normal. Maximum temperatures low to mid 80s north, mid to upper 80s south; minimums low 40s to low 50s north, low to upper 50s south.

Days suitable for fieldwork 6.0. Soil moisture north 74% adequate, 26% surplus; south 22% short, 75% adequate, 3% surplus. Grazing availability 3% short, 82% adequate, 15% surplus. Pasture 6% fair, 75% good, 19% excellent. Maine potato good to excellent. Rhode Island potato good. Connecticut River Valley potato good. Maine oat good. Field corn good. Sweet corn good. First cut hay 69% complete, 65% 1989, 73% avg.; good. Second crop hay harvest beginning Connecticut, New Hampshire; good. Shade, outdoor tobacco; good. Apple set average; fruit drop average; scab infection light to average. Strawberries 63% harvested. Cranberries 40 to 50% open blossom. Blueberry set average. Major farm activities: Cutting hay, picking strawberries, harvesting early vegetables, top dressing field corn, cultivating potatoes.

NEW JERSEY: Temperatures above normal. Extremes 50°; 95°. Rainfall 1.18 in. north, 0.56 in. central, 0.10 in. south. Heaviest 24 hour total 1.97 in. on 30th, 1st. Estimated soil moisture percent field capacity averaged 75% north, 53% central, 48% south. Four inch soil temperatures 72° north, 73° central, 74° south.

Fieldwork very active. Hot windy weather dried topsoil. Week end showers beneficial. Some irrigation applied. Summer vegetable harvest

increased. Blueberry harvest general. Barley combining active. Wheat harvest began. First cutting of hay about complete. Some soybeans, corn for silage planted following barley harvest. Pasture growth continued excellent most areas.

NEW MEXICO: Temperatures well above normal statewide. Precipitation was spotty, light.

Days suitable for fieldwork 6.9. Soil moisture 100% short. Cotton squaring 47%; setting bolls 5%; 50% fair, 50% good. Milo planted 78%; 38% very poor, 7% poor, 37% fair, 18% good. Cattle poor to good; sheep poor to good; range 38% very poor, 54% poor, 8% fair.

NEW YORK: Temperatures averaged below normal except for coastal division. Extremes 35°; 88°. Precipitation trends mixed. Rainfall in coastal division 210% of normal, St. Lawrence Valley 150%, Western divisions 60%. Rainfall 0.02 in. to 2.04 in. across State.

Days suitable for fieldwork 4.9. Soil moisture mostly adequate. Pastures 55% fair, 45% good. Hay fair to good, wheat good. First cutting alfalfa 62% complete, 43% 1989, 66% avg. Clo tim harvest 59% complete, 33% 1989, 52% avg. Corn planting complete. Some stands showing stress due to excessive moisture. Dry bean planting continues active. Tree fruits mostly good, strong development. Sweet cherry picking began some areas. Strawberry harvest in full swing. Lettuce planting continues.

NORTH CAROLINA: Temperatures were normal across most of the State; 1 to 2° below normal in the Mountains. Precipitation none to 0.77 in. Extremes 46°; 99°.

Days suitable for fieldwork 6.4. Soil moisture 27% very short, 63% short, 9% adequate, 1% surplus. Pasture 1% very poor, 16% poor, 58% fair, 23% good, 2% excellent. Livestock feed from pasture 82%. Hay first cutting 95%. Hay second cutting 40%. Sorghum planted 87%; soybeans planted 90%. Irish potatoes harvested 65%; wheat harvested 98%; oats harvested 94%; barley harvested 95%; rye harvested 96%; peaches harvested 50%. Corn silked 50%; cotton squared 64%. Crop condition: Wheat, 41% fair, 57% good, 2% excellent; corn 1% very poor, 17% poor, 48% fair, 34% good; cotton 4% very poor, 21% fair, 68% good, 7% excellent; soybeans 4% poor, 47% fair, 49% good; peanuts 32% fair, 68% good; tobacco 2% poor, 43% fair, 53% good, 2% excellent; irish potatoes 17% fair, 78% good, 5% excellent; sweet potatoes 100% good; peaches 4% very poor, 32% poor, 28% fair, 36% good; apples 13% poor, 58% fair, 29% good; truck crops 2% very poor, 9% poor, 37% fair, 52% good; hay 1% very poor, 8% poor, 48% fair, 40% good, 3% excellent. Major activities: Planting soybeans; cultivating, spraying, harvesting, topping, irrigating flue cured tobacco; hay harvesting; harvesting small grains; cultivating, spraying field crops; harvesting vegetables. Other activities included: Tending livestock; planting sorghum; harvesting irish potatoes; harvesting peaches; general farm maintenance.

NORTH DAKOTA: Temperatures statewide 7° above normal. Extremes 44° south central; 99° northwest. Precipitation none extreme northeast to 2.66 in. west central.

Days suitable for fieldwork 5.5. Topsoil 2% very short, 27% short, 69% adequate, 2% surplus. Subsoil 22% very short, 44% short, 34% adequate. Spring wheat 4% poor, 16% fair, 53% good, 27% excellent; 54% heading and beyond, 34% 1989, 52% avg. Durum wheat 1% poor, 19% fair, 56% good, 24% excellent; 27% heading and beyond, 17% 1989, 35% avg. Oats 6% poor, 31% fair, 48% good, 15%

excellent; 52% heading and beyond, 26% 1989, 51% avg. Barley 1% poor, 11% fair, 58% good, 30% excellent; 58% heading and beyond, 40% 1989, 61% avg. Winter wheat 18% poor, 28% fair, 46% good, 8% excellent; 57% milk to dough and beyond, 36% 1989, 69% avg. Late season crop growth ahead of 1989. Flax 2% poor, 15% fair, 70% good, 13% excellent; 9 in. height, 6 in. 1989, 8 in. avg. Corn 23% fair, 74% good, 3% excellent; 17 in. height, 13 in. 1989, 20 in. avg. Soybeans 99% good, 1% excellent; 8 in. height, 8 in. 1989, 9 in. avg. Dry edible beans 3% fair, 92% good, 5% excellent; 8 in. height, 7 in. 1989, 8 in. avg. Potatoes 100% good; 11 in. height, 11 in. 1989, 12 in. avg. Sunflower 1% very poor, none poor, 14% fair, 73% good, 12% excellent; 13 in. height, 8 in. 1989, 12 in. avg. Pastures 7% very poor, 22% poor, 44% fair, 27% good; furnished 98% roughage requirements. Stockwater supplies improved, 1% very short, 25% short, 74% adequate. First cutting alfalfa 34% complete, other hay 17% complete.

OHIO: High temperatures lower to upper 80s; 2° above normal. Low temperatures upper 50s to low 60s; 4° above normal. Rainfall 0.25 to 0.80 in.; 0.35 to 0.80 in. subnormal.

Days suitable for fieldwork 5.2. Soil moisture 5% short, 82% adequate, 13% surplus. Farm activities included spraying, cultivating, haying, fertilizing. Corn fair to good; greening, looking healthier. Development averaged 6 leaves emerged. Soybeans fair to good; crusted, compacted soils lowered plant populations. Winter wheat good; maturing rapidly. Some wheat harvested; heavy weather caused some lodging. Pastures 1% very poor, 7% poor, 32% fair, 48% good, 12% excellent. Good weather helped hay harvest. Alfalfa sprayed to control potato leaf hopper.

OKLAHOMA: Temperatures 2° above normal southeast to 7° above normal Panhandle. Precipitation none most districts to 1.00 in. south central.

Days suitable for fieldwork 6.5. Topsoil 75% short, 24% adequate, 1% surplus. Subsoil 20% short, 80% adequate. Wheat 98% harvested, 80% 1989, 95% avg.; 60% ground plowed, 30% 1989, 40% avg. Cotton 20% fair, 80% good; 100% planted, 95% 1989, 95% avg.; 98% up to stand, 85% 1989, 80% avg.; 30% squaring, 5% 1989, 10% avg. Sorghum 40% fair, 55% good, 5% excellent; 98% planted, 85% 1989, 95% avg.; 90% up to stand, 60% 1989, 80% avg.; 0% heading, 1% 1989, 2% avg. Soybeans 90% planted, 90% 1989, 90% avg.; 60% up to stand, 80% 1989, 75% avg.; 0% flowering, 0% 1989, 3% avg. Peanuts 97% planted, 95% 1989, 97% avg.; 85% up to stand, 80% 1989, 85% avg.; 5% pegging, 35% 1989, 10% avg. Corn 15% tasselling, 40% 1989, 35% avg.; 5% milk to soft, 10% 1989, 10% avg.; Alfalfa 90% second cutting, 80% 1989, 70% avg.; 20% third cutting, 5% 1989, 5% avg. Pastures 5% poor, 35% fair, 55% good, 5% excellent. Dry winds slowing forage growth. Cattle good; marketings average, prices down from preceding week.

OREGON: Temperatures above normal over most of west, central, northeast areas; slightly below normal south central. Highest 103° at Ontario. Lowest 36° at Ukiah, 38° at Lakeview. Only precipitation of consequence along north, central coast.

Soil moisture 48% short, 52% adequate. Winter wheat 98% headed. Winter wheat turning color, harvest just underway some eastern areas. Barley harvested none; will start soon. Haying in full swing all areas. Grass seed harvest continued Willamette Valley. Significant number sweet cherry orchards not harvested due to fruit cracking north Willamette Valley; Royal Anne, Bings picked. Cherry harvest progressed nicely The Dalles, less problem with cracked fruit on later maturing varieties. Cherry harvest began Hood River;

strawberries harvested; apples, pears thinned. Strawberry harvest neared completion Willamette Valley; raspberry picking began central, southern counties. Cranberry fruit set almost complete south coast. Green peas harvested Umatilla County, later fields maturing rapidly under warm weather. Early potato varieties nearing harvest Hermiston Boardman. Seed potatoes 6 in. Wallowa County. Melon harvest in two weeks Hermiston. Livestock excellent. Lack of water Crook County continued problem for cattlemen. Herds being cut Wheeler County due to drought. First lamb shipment next week Wallowa County western pastures good, eastern range conditions vary from poor to excellent. Tillamook County dairy farmers are grazing or clipping pastures to improve quality.

PENNSYLVANIA: State experienced near normal precipitation, slightly above average temperatures. Temperature 70°, 2° above normal. Extremes 47°; 93°. Average Precipitation 0.94 in., 0.01 in. above normal.

Days suitable for fieldwork 5.0. Soil moisture 26% short, 71% adequate, 3% surplus. Corn 99% planted, 91% 1989, 98% avg.; height 17 in., 12 in. 1989, 22 in. avg.; 1% very poor, 7% poor, 22% fair, 53% good, 17% excellent. Tobacco 96% transplanted, 89% 1989, 94% avg. Soybeans 92% planted, 70% 1989, 90% avg.; 5% poor, 25% fair, 54% good, 16% excellent. Barley 19% heading or headed, 17% 1989; 30% turning yellow, 35% 1989; 27% ripe, 39% 1989; 24% harvested, 9% 1989. Wheat 33% heading or headed, 39% 1989; 62% turning yellow, 56% 1989; 4% ripe, 4% 1989; 1% harvested, 0% 1989. Wheat 1% poor, 17% fair, 64% good, 18% excellent. Oats 94% heading or headed, 97% 1989; 6% turning yellow, 4% 1989; 0% ripe, 0% 1989. Oats 2% poor, 19% fair, 58% good, 21% excellent. First cutting alfalfa 86% complete, 53% 1989. Second cutting alfalfa 12% complete, 9% 1989. First cutting clover timothy 71% complete, 38% 1989. Hay stands mostly fair to good. Feed from pastures mostly average. Peach 48% below avg., 52% avg., 0% above avg. Apples 23% below avg., 77% avg., 0% above avg. Activities: Planting corn, soybeans, potatoes, vegetables; harvesting hay, haulage, barley, strawberries, vegetables; repairing fences; weed control; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

PUERTO RICO: Rainfall 0.85 in. was 0.37 in. below normal. Highest rainfall 4.02 in. at Pico Del Este Luquillo, 2.61 in. Rio Blanco lower, 2.42 in. Mayaguez Pnc. Divisional temperatures 82° on the coast, 74 to 78° in Interior with mean station temperatures 66°. At Pico Del Este Luquillo to 84° at Roosevelt roads N.S. Extremes 59° 95°.

SOUTH CAROLINA: Temperatures much above normal. Rainfall much below normal.

Days suitable for fieldwork 6.3. Soil moisture 66% very short, 32% short, 2% adequate. Cotton 1% poor, 89% fair, 10% good; 59% squaring, 41% 1989, 65% avg.; 14% setting bolls, 2% 1989, 18% avg. Soybeans 28% poor, 62% fair, 10% good; 92% planted, 83% 1989, 89% avg.; 3% blooming, 0% 1989, 0% avg. Corn fair; 79% silked, 57% 1989, 71% avg.; 36% dough stage, 10% 1989, 22% avg.; 2% matured, 0% 1989, 0% avg. Sorghum fair; 88% planted, 49% 1989, 77% avg. Tobacco fair; 70% topped, 32% 1989, 48% avg.; 7% harvested, 0% 1989, 0% avg. Peanuts fair to good. Watermelons fair; 42% harvested, 28% 1989, 27% avg. Cantaloupes fair; 48% harvested, 37% 1989, 29% avg. Peaches fair; 45% harvested, 26% 1989, 35% avg. Barley fair to good; 94% harvested, 60% 1989, 85% avg. Rye fair to good; 93% harvested, 82% 1989, 87% avg. Wheat fair to good; 99% harvested, 81% 1989, 92% avg.

SOUTH DAKOTA: Temperatures 5 to 14° above normal. Extremes 50°; 106°. Precipitation above normal few east locations, below normal elsewhere. No precipitation southwest, Black Hills, none to 3.18 in. Growing season precipitation above normal east, below normal west. Range 7.00 in. above to 2.98 in. below normal. Growing degree days 171 units above to 105 units below normal.

Days suitable for fieldwork 5.4. Subsoil 8% critically short, 32% short, 59% adequate, 1% surplus. Topsoil 4% critically short, 37% short, 56% adequate, 3% surplus. Range, pasture 3% very poor, 32% fair, 50% adequate, 15% excellent. Sorghum good to fair, other crops mostly good. Hot weather spurred rapid growth. Hail damage east central, central, northeast. Grasshoppers, green bugs, cutworms, corn seed maggot, rust, tan spot, weeds reported problems. Major activities cultivating, spraying, haying, fencing.

TENNESSEE: High pressure dominated week until weekend when very weak cold front pushed across State. Temperatures 3 to 6° above normal west, middle; 4° below normal east. Highs mostly in the low to mid 90s, lows in the mid 60s to mid 70s. Weak cold front triggered scattered thunderstorms middle, east 1st. Most areas received no rainfall during week.

Days suitable for fieldwork 6.1. Soil moisture 12% very short, 44% short, 44% adequate. Corn 16% tasseling, 21% 1989, 39% avg.; 2% very poor, 6% poor, 22% fair, 66% good, 4% excellent. Cotton 44% squaring, 55% 1989, 67% avg.; 5% very poor, 4% poor, 29% fair, 62% good. Sorghum 3% very poor, 27% fair, 66% good, 4% excellent. Soybeans 86% planted, 82% 1989, 89% avg.; 4% poor, 24% fair, 71% good, 1% excellent. Tobacco 3% poor, 40% fair, 55% good, 2% excellent. Wheat 100% ripe, 100% 1989, 99% avg., 84% harvested, 50% 1989, 82% avg.; 3% very poor, 17% poor, 53% fair, 22% good, 5% excellent. Alfalfa 70% 2nd cutting, 36% 1989, 65% avg. Pastures 7% poor, 36% fair, 54% good, 3% excellent. Primary activities: Harvesting wheat, hay, cabbage; controlling insects. Cattle fair to good. Heat stress, flies, pinkeye causing problems in herds.

TEXAS: Upper level high pressure dominated weather past week. Tropical disturbances moved through gulf into northern Mexico producing mostly coastal thunderstorms. Most State hot, dry. Most regions below normal rainfall. Only east above normal rainfall. No rain fell west, Trans Pecos. Temperatures near normal south, along coast, above normal readings elsewhere.

Crops: Small grain harvest rapid progress. Plains. Irrigated yields good; dryland yields fair to good. Harvest virtually complete most other areas. Corn crop signs of stress under record high temperatures many areas. Progress slowed by hot weather. Some scattered fields central cut for hay. Harvest full swing soon Valley. Corn doughing 48%, 57% 1989, 56% avg.; dented 12%, 24% 1989, 30% avg.; mature 1%, 8% 1989, 5% avg. Grain sorghum producers many areas expecting reduced yields, hot, dry weather further stressed crop. Additional lodging because of dry, windy conditions occurred parts Blacklands. Some producers cutting hay to salvage part of crop. Harvesting continued Coastal Bend, yields poor. Harvest full swing Valley. Fields rapidly turning color central, Blacklands, Upper Coast. Plains most planting completed, rain needed dryland fields. Sorghum 46% headed, 53% 1989, 55% avg.; turning color 33%, 42% 1989, 36% avg.; mature 13%, 16% 1989, 14% avg.; harvested 5%, 0% 1989, 2% avg. Cotton holding its own most state; rainfall needed very soon to make good crop. Some dryland fields Plains already failed. Fields Plains squaring. Fields Blacklands, central set bolls. Squares shedding later fields. Some

spraying activity occurred. Bolls opening Coastal Bend, Rio Grande Valley. Cotton 100% planted, 99% 1989, 98% avg. Soybean planting continued slowly Upper Coast. Later fields light showers; more rain needed. Fields Blacklands beginning to stress from heat, dry conditions. Fields Plains making fair progress. Moisture needed dryland fields. Rice fields heading Upper Coast. Irrigation, fertilization continued. Peanut planting slowed by dry conditions Cross Timbers, Hill Country. Irrigated fields good stands. South dryland fields very stressed. Some additional planting central. Other Field Crops: Peanuts planted 73%, 85% 1989, 84% avg. Soybeans planted 95%, 93% 1989, 88% avg. Sunflowers 85% planted, 73% 1989, 78% avg. Oats harvested 82%, 81% 1989, 80% avg.

Commercial Vegetables: Rio Grande Valley, few watermelons harvested. Land preparation continued. San Antonio Winter Garden, some watermelon harvest occurred. Eastern areas, some late planted sweet potatoes showing heat stress. Other summer vegetable harvest continued. High plains, irrigation steady. Potatoes, onions, carrots. Harvest begin soon. Trans Pecos, onion harvest continued. Peppers blooming. Melons suffering under hot temperatures. Late variety peach harvest continued. Heat, insect damage increasing some. Pecans showing more signs of stress from hot temperatures. Insects increasing untreated groves.

Range and Livestock: Ranges, pastures continued decline most areas. Grass fires increasing. Regrowth hay fields slow, yields fair. Livestock conditions remained good; supplemental feeding increasing. Range, pastures: 6% excellent; 27% good; 48% fair; 16% poor; 3% very poor.

UTAH: Temperatures 8° above normal. Precipitation none.

Days suitable for fieldwork 7.0. Soil moisture 93% short, 7% adequate. Hot, dry weather stressed crops. Corn grew rapidly, hay harvest ongoing. Winter wheat turning color 52%, 62% 1989, 70% avg. Winter wheat ripened 10%, 18% 1989, 9% avg. Barley headed 89%, 80% 1989, 87% avg. Spring wheat headed 80%, 76% 1989, 87% avg. Average corn height 22.0 in. Alfalfa hay first cutting 95% completed, 96% 1989, 94% avg.; second cutting 12% completed, 12% 1989 6% avg. Non alfalfa hay cutting 45% completed. Range, pasture 7% very poor, 19% poor, 69% fair, 5% good. Cattle, sheep condition mostly good. Sweet cherry harvest full swing northern area. Apple, tart cherry crop conditions good Box Elder County, poor Utah County. Irrigation, insect spraying major farm activities.

VIRGINIA: Temperatures near or slightly above normal except west of the mountains which were below normal. Extremes 42°; 99°. Light rainfall less than 0.25 in.

Days suitable for fieldwork 6.4. Topsoil 2% very short, 70% short, 22% adequate, 6% surplus. Corn silked 8%, 5% 1989, 8% avg.; 11% poor, 51% fair, 37% good, 1% excellent. Soybeans planted 86% complete, 74% 1989, 77% avg.; 4% poor, 57% fair, 39% good. Wheat harvested 67% complete, 43% 1989, 50% avg. Barley 95% harvested, 67% 1989, 83% avg. Potatoes 35% harvested. Tobacco 13% poor, 52% fair, 32% good, 3% excellent. Very active irrigation, insect spraying. Some topping reported. Apples mostly poor to fair. Peanut 14% poor, 43% fair, and 43% good. Livestock mostly good. Alfalfa hay, other hay mostly good. Spraying fruit trees, harvesting sweet corn, berries, cucumbers, peppers. Most areas becoming dry in need of rain.

WASHINGTON: Temperatures 2 to 8° above normal, east; 1° below normal to 3° above normal, west.

Precipitation none to 0.72, east; 0.01 to 0.67, west.

Days suitable for fieldwork 6.7. Soil moisture 60% short, 37% adequate, 3% surplus. Range, pasture 25% short, 73% adequate, 2% surplus. Hay, other roughage 1% very short, 17% short, 80% adequate, 2% surplus. Winter wheat headed, 100%, 100% 1989, 100% avg. Spring wheat headed 97%, 90% 1989, 85% avg. Barley headed 99%, 96% 1989, 89% avg. Alfalfa hay, 1st cutting, 94%, 98% 1989, 96% avg. Alfalfa hay, 2nd cutting, 16%, 23% 1989, 17% avg. Crop conditions improved with warm weather, which allowed plant development, the hay harvest to continue. Some scattered showers damaged cut hay. Strawberries, raspberries, blueberries were all being harvested. Cherry harvest continued. Apple thinning continued, apricots will be harvested soon. The asparagus harvest was completed. Haying activities continued. Cereal grains were showing signs of drought stress in Central Washington. Early potato harvest was underway.

WEST VIRGINIA: Temperature 71°. Extremes 43°, 96°. Precipitation 0.80 in., 0.69 in. below to 0.54 in. above normal.

Days suitable for fieldwork 5.6. Soil moisture 5% very short, 33% short, 62% adequate. Pasture 34% fair, 59% good, 7% excellent. Cattle, sheep good. Wheat, barley fair to good. Wheat 75% ripe, 38% harvested. Barley 91% ripe, 79% harvested. Oats good; 100% emerged, 88% jointed. Hay good; first cutting 63% complete, second cutting 10% complete. Apples, peaches poor. Tobacco good, 100% set. Farm activities: Hay, small grain harvest, soybean planting, cultivating tobacco.

WISCONSIN: Temperature 70°, at normal. Extremes: 45°; 93°. Precipitation 0.60 to 2.40 in.

Days suitable for fieldwork 2.6. Soil moisture 1% short, 52% adequate, 47% surplus. Pasture 1% poor, 5% fair, 51% good, 43% excellent. General condition of crops 1% poor, 20% fair, 75% good, 4% excellent. Soybean 77% of normal. Corn 1% very poor, 2% poor, 30% fair, 61% good, 6% excellent; height 16 in., 23 in. 1989, 30 in. avg. First cut hay 72% completed, 84% 1989, 90% avg. Oats 64% headed, 71% 1989, 82% avg.

WYOMING: Temperatures 6 to 8° above normal. Precipitation very scant.

Days suitable for fieldwork 7.0. Topsoil 74% short, 26% adequate. Hot, dry weather speeding maturity of small grains. Winter wheat 15% boot, 5% 1989; 65% headed, 70% 1989; 20% turning color, 25% 1989. Barley 10% not jointed, 10% 1989, 10% avg.; 5% jointed, 15% 1989, 15% avg.; 15% boot, 20% 1989, 25% avg.; 65% headed, 55% 1989, 50% avg; 5% turning color. Spring wheat 5% not jointed, small amount 1989, 5% avg.; 20% jointed, 20% 1989, 25% avg.; 30% boot, 40% 1989, 35% avg.; 45% headed, 40% 1989, 35% avg. Oats 15% not jointed, 5% 1989, 15% avg.; 20% jointed, 30% 1989, 25% avg.; 30% boot, 45% 1989, 35% avg.; 35% headed, 25% 1989, 25% avg. Sugarbeets 90% thinned, 90% 1989, 90% avg. Alfalfa first cutting 45% complete, 55% 1989, 50% avg. Other hay 15% harvested, 15% 1989, 15% avg. Very little hail damage. Livestock mostly good. Ranges, pastures mostly good. Stockwater adequate 70% State.

International Weather and Crop Summary

June 1990

HIGHLIGHTS

June 24-30, 1990

USSR ... In Western USSR, early-week rain slows winter grain harvesting, just beginning in the southern Ukraine and parts of the North Caucasus. In the New Lands, cooler weather and widespread showers improve growing conditions for spring grains.

EUROPE ... Occasional rain continues to favor summer crops across the north. Dryness speeds winter grain harvest in the southeast.

SOUTH ASIA ... Drier weather covers India's southern interior, but showers in central and eastern areas favor summer crop planting and vegetative growth.

EASTERN ASIA ... Typhoon Percy and remnants of Typhoon Ofelia bring high winds and flooding to sections of eastern China and the Korean Peninsula.

SOUTHEAST ASIA ... Timely rain brings some relief to Thai corn in or nearing reproduction. Typhoon Percy causes some damage to Philippine rice and corn.

SOUTH AMERICA ... In Brazil, early-week rain further aggravates wet field conditions in wheat areas. In Argentina, dry weather helps wheat planting, still in the early stages.

AUSTRALIA ... Much needed rain improves conditions for winter grains in South Australia and Victoria. Cool temperatures slow growth of winter crops in most growing areas.

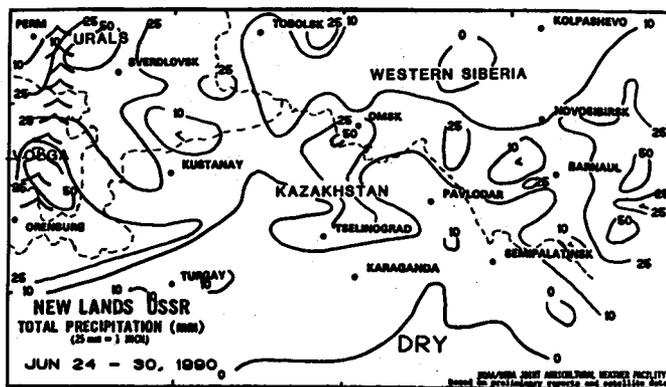
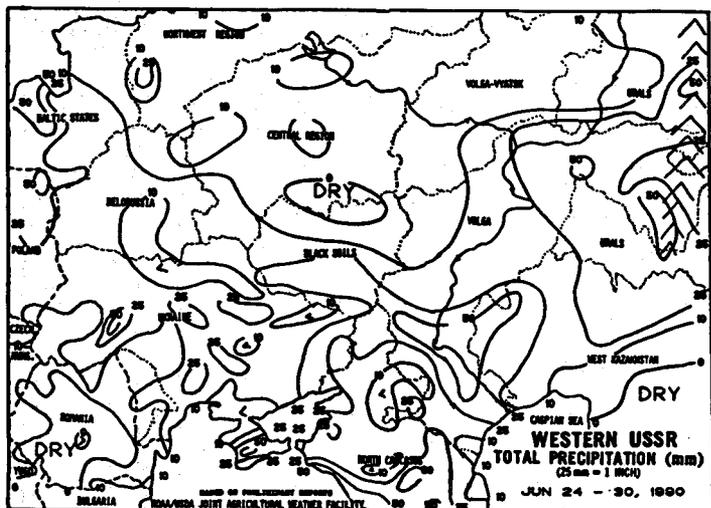
MEXICO ... Variable showers favor corn growth over the Southern Plateau. Hot weather, with only local rain, persists in the north.

CANADA ... Locally hot, dry weather over the southwestern Prairies increases crop growth but dries topsoils.

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

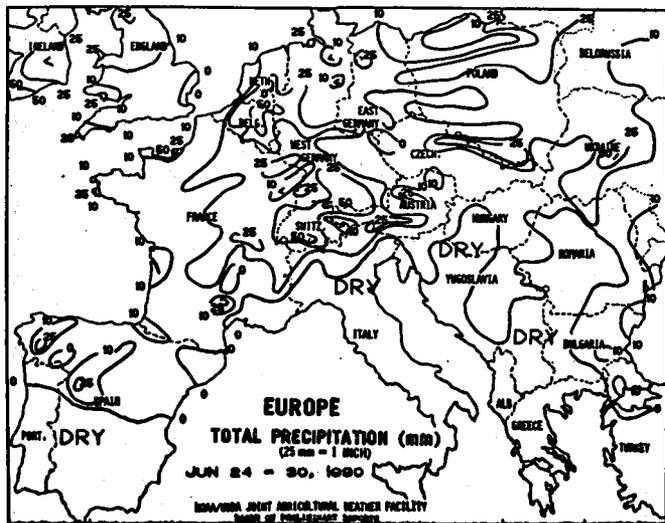
COUNTRY	CITY	TEMPERATURE					PRECIPITATION		
		AVG	AVG	HI	LO	AVG	DPART	TOTAL	DPART
PRELIMINARY REPORTS(C)									
June 1990		MAX	MIN	MAX	MIN	AVG	F/NRM	F/NRM	
NORWAY	OSLO	19	10	25	6	14	0.2	85.0	11.6
SWEDEN	STOCKHOLM	20	10	25	4	15	-0.9	38.3	-8.2
FINLND	HELSINKI	19	9	26	1	14	-1.1	27.7	-14.5
U KING	GLASGOW	17	9	23	3	13	-1.1	78.4	13.1
	EDINBURGH	18	9	23	4	13	0.1	63.8	17.9
	BIRMINGHAM	18	10	25	6	14	-0.1	59.0	6.1
	LONDON	18	10	23	4	14	-0.4	54.4	-4.5
IRELND	DUBLIN	17	10	21	6	13	-0.2	70.1	17.3
ICELND	REYKJAVIK	12	7	17	4	10	0.6	46.3	-1.2
DENMRK	COPENHAGEN	20	12	24	8	16	0.5	37.7	-9.3
LUXEMB	LUXEMBOURG	19	11	29	5	15	-0.8	111.3	49.5
SWITZL	ZURICH	20	12	29	8	16	0.4	188.5	54.8
	GENEVA	22	12	31	6	17	0.2	119.4	28.8
FRANCE	PARIS	21	11	31	4	16	-0.5	46.7	-9.6
	STRASBOURG	21	12	31	7	17	0.0	45.6	-29.1
	BOURGES	21	12	32	8	17	-0.4	38.8	-22.4
	BORDEAUX	23	14	32	9	19	1.1	44.6	-19.9
	TOULOUSE	24	14	34	9	19	1.1	34.6	-29.8
	MARSEILLE	26	16	33	11	21	0.5	9.8	-21.8
SPAIN	VALLADOLID	28	12	35	7	20	2.3	49.8	10.5
	MADRID	31	14	37	10	23	1.9	2.8	-23.3
	SEVILLE	32	16	38	14	24	0.8	0.1	-15.2
E GRMY	LEIPZIG	22	13	30	9	17	0.5	88.1	21.0
	DRESDEN	22	13	29	8	17	0.6	97.8	29.8
W GRMY	HAMBURG	19	12	26	7	15	-0.2	114.3	44.4
	BERLIN	21	14	28	10	17	-0.5	168.0	91.8
	DUSSELDORF	21	13	30	9	17	0.0	128.1	62.1
	STUTTGART	20	11	29	7	15	-0.8	92.5	-1.3
	NURNBERG	21	12	31	5	16	-0.2	57.8	-15.9
	MUNICH	20	10	29	5	15	-0.1	228.2	93.2
AUSTRI	VIENNA	23	13	32	7	18	-0.6	68.4	6.4
	INNSBRUCK	22	11	31	6	17	0.3	118.5	6.5
CZECH	PRAGUE	22	11	30	6	16	0.1	54.8	-23.7
POLAND	WARSAW	23	10	32	4	17	-0.1	42.4	-21.8
	LODZ	22	11	30	6	17	0.6	43.3	-25.8
	KATOWICE	21	10	29	4	15	-0.4	97.3	9.4
	PRZEMYSL	22	12	31	5	17	0.1	42.2	-56.7
HUNGAR	BUDAPEST	24	14	34	8	19	-0.6	45.0	-23.4
YUGOSL	SARAJEVO	24	11	30	8	20	3.5	2.3	-103.6
ROMANI	BUCHAREST	27	13	34	6	20	-0.3	28.3	-59.5
BULGAR	SOFIA	25	13	30	4	19	1.0	67.2	-9.8
ITALY	MILAN	26	16	33	10	21	0.2	35.8	-51.7
	VERONA	27	16	34	8	22	1.0	97.1	18.5
	VENICE	24	17	29	11	20	-0.5	53.7	-23.0
	GENOA	24	19	32	14	22	-0.2	20.5	-28.5
	ROME	26	16	30	10	21	-0.2	7.3	-14.1
	NAPLES	27	18	33	14	23	1.9	0.3	-33.7
GREECE	THESSALONIKA	29	17	36	9	23	-1.2	7.2	-22.6
	LARISSA	32	16	38	9	24	-0.9	6.2	-20.3
	ATHENS	28	20	35	12	24	-1.3	5.0	-3.2
TURKEY	ISTANBUL	25	17	31	10	21	0.6	29.7	5.7
	ANKARA	25	8	33	1	17	-3.8	11.0	-27.0
CYPRUS	LARNACA	30	19	35	13	24	-0.3	0.1	-5.0
USSR	TALLINN	19	9	27	2	14	-0.3	11.3	-34.7
	LENINGRAD	18	10	27	5	14	-1.0	29.5	-21.4
	KAUNAS	21	10	27	1	15	-1.0	59.5	-28.7
	MINSK	20	11	28	5	16	-1.0	41.9	-25.2
	KAZAN	20	11	26	5	16	-1.6	140.5	79.2
	MOSCOW	19	10	27	5	14	-2.5	60.2	-7.7
	SVERDLOVSK	22	12	33	4	17	1.6	86.6	17.7
	OMSK	25	14	34	8	20	2.0	63.6	7.2
	KUSTANAY	28	15	37	8	21	2.3	31.4	-5.7
	KRASNOYARSK	23	10	31	1	17	0.5	51.8	-5.5
	NOVOSIBIRSK	23	12	30	6	18	1.4	41.9	-11.4
	BARNAUL	25	13	32	7	19	1.0	33.8	-13.3
	KHABAROVSK	22	12	30	5	17	-0.3	96.1	18.4
	VLADIVOSTOK	18	12	24	7	15	1.7	101.7	-0.5
	KIEV	21	13	29	6	17	-1.2	77.8	14.9
	LVOV	22	10	29	2	16	-0.7	51.1	-37.9
	KIROVOGRAD	22	13	28	4	17	-1.9	154.6	103.1

COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NHM	TOTAL	DPART F/NHM		June 1990	AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NHM	TOTAL
USSR	23	15	29	10	19	-0.2	61.2	19.7	TANZAN	29	19	31	12	24	-0.2	9.6	-23.3
	24	16	29	10	20	-0.8	53.3	10.4	GABON	28	23	30	19	25	0.2	13.6	-4.8
	20	11	26	4	16	-3.0	82.5	33.1	TOGO	31	25	33	21	28	1.9	98.7	-180.1
	20	13	25	6	17	-2.5	84.0	47.6	B FASO	35	25	39	20	30	1.1	70.4	-50.4
	21	12	26	7	16	-2.9	85.9	36.4	IVRY C	30	25	32	22	27	1.4	250.0	-380.6
	22	13	28	9	18	-3.6	102.4	75.6	MOZAMB	26	15	30	10	20	1.8	2.0	-14.0
	23	15	29	12	19	-2.0	88.7	28.2	ZAMBIA	25	11	30	8	18	2.2	0.1	0.1
	28	17	32	12	22	-0.8	55.1	34.9	ZIMBAB	22	11	26	7	16	2.9	4.1	0.1
	26	15	30	11	21	-0.3	52.4	-24.7	S AFRI	20	5	23	0	13	1.9	0.1	-5.9
	27	15	39	6	21	1.3	37.6	-4.8	KROONSTAD	18	-1	25	-6	9	-0.2	3.0	-3.0
	27	15	36	9	21	3.2	24.3	-7.7	JOHANNESBURG	16	3	19	-3	9	-0.1	0.6	-5.6
	29	14	38	8	22	3.1	13.5	-26.7	BETHAL	18	-1	22	-6	9	0.3	0.8	-6.2
	28	16	34	8	22	0.9	23.3	-43.8	DURBAN	23	11	31	8	17	0.9	10.2	-16.0
	36	20	41	15	28	2.8	0.9	-9.6	CAPE TOWN	17	7	23	1	12	-0.7	110.6	19.4
	38	22	43	18	30	1.7	0.1	-4.7	CANADA	25	13	30	4	19	1.0	69.3	2.2
SYRIA	34	13	40	5	24	-1.0	0.1	0.1	TORONTO	23	13	29	4	18	-0.1	68.9	-13.6
ISRAEL	28	15	34	9	22	-0.7	0.1	0.1	MONTREAL	24	11	29	1	18	0.8	143.3	63.1
PAKIST	35	27	40	20	31	-0.2	2.6	-5.1	WINNIPEG	25	10	33	0	17	1.2	31.6	-48.1
INDIA	40	26	43	22	33	0.3	39.0	-18.2	REGINA	24	10	32	3	17	1.5	57.4	-1.1
	40	29	43	25	34	0.5	71.3	14.6	SASKATOON	22	9	33	3	15	-0.1	41.7	-36.5
	39	28	41	24	33	0.4	17.6	-87.8	CALGARY	20	8	28	3	14	0.5	62.1	-27.4
	34	24	39	21	28	-1.6	96.1	-38.0	EDMONTON	21	10	30	4	16	0.6	53.2	-24.2
	34	27	36	24	31	0.4	240.6	-9.7	VANCOUVER	19	12	25	8	15	0.4	109.6	64.3
	33	26	34	23	29	-0.1	126.9	-33.0	MEXICO	26	18	38	15	22	-0.6	213.4	61.4
	32	26	33	24	29	0.2	740.9	93.4	GUADALAJARA	23	14	28	12	18	0.7	91.4	-12.7
	30	23	34	21	27	-1.0	143.3	25.6	MEXICO CITY	33	25	34	23	29	0.7	243.5	-35.3
	31	23	35	22	27	-2.0	133.7	33.7	ACAPULCO	28	24	31	19	26	1.4	136.9	0.0
	37	27	38	25	32	0.0	14.1	-48.1	BERMUD	32	24	33	16	28	1.0	75.6	-149.1
	30	24	35	22	27	0.0	787.3	-194.7	BAHAMA	31	24	34	21	27	0.8	148.8	-13.1
H KONG	30	27	33	23	28	0.7	441.6	9.7	CUBA	33	26	35	23	29	1.3	29.6	-48.8
N KREA	22	15	27	12	19	-0.2	498.2	341.2	JAMAIC	31	26	31	20	28	0.8	4.9	-118.0
S KREA	25	18	29	14	21	0.4	574.7	405.8	P RICO	31	24	33	19	28	1.0	64.6	-15.7
JAPAN	22	15	28	9	18	2.5	40.0	-36.6	GUADEL	**	27	**	27	**	**	0.0	-166.4
	28	20	35	16	24	2.5	144.0	-65.9	MARTNQ	30	25	31	23	27	0.0	50.9	-39.8
	27	21	34	16	24	2.5	69.5	-111.2	BARBAD	31	24	33	23	27	1.0	115.3	-139.0
	26	20	34	16	23	2.2	132.0	-83.9	TRINID	18	8	19	3	13	0.3	15.6	-52.1
	29	20	35	15	25	3.0	143.9	-88.9	COLOMB	31	25	34	21	28	1.4	58.9	5.6
	29	21	34	17	25	2.5	150.3	-62.5	VENEZU	30	23	31	16	27	1.2	437.7	-26.2
THAILN	33	25	36	23	29	0.2	220.7	71.4	F GUIA	30	23	31	22	27	0.5	68.0	-84.4
	33	27	34	25	30	1.0	58.5	-99.6	BRAZIL	28	22	29	19	25	0.3	455.7	102.8
MALAYS	32	25	35	22	29	1.6	68.3	-63.6	RECIFE	25	15	29	12	20	1.6	0.6	-10.4
VIETNM	33	27	38	22	30	0.2	240.6	1.8	BELO HORIZONTE	27	16	30	6	21	1.7	42.6	-7.4
CHINA	25	15	32	10	20	0.6	120.5	42.5	CAMPO GRANDE	23	13	25	6	18	1.1	0.8	-21.3
	33	17	37	11	25	0.0	2.0	-2.7	FRANCA	24	19	30	15	22	-0.1	31.9	-11.9
	28	14	33	9	21	0.9	29.2	-3.4	RIO DE JANEIRO	23	12	28	4	17	0.6	63.8	-27.8
	30	20	37	13	25	0.5	4.8	-73.1	LONDRINA	17	8	23	1	13	-2.0	83.7	-80.4
	30	20	37	15	25	0.9	34.6	-34.7	SANTA MARIA	18	8	24	1	13	-2.2	135.4	-4.6
	22	10	27	5	16	-0.3	110.1	39.8	PORTO ALEGRE	20	16	24	15	18	0.7	6.9	4.7
	23	16	26	11	19	-0.2	224.5	44.1	PERU	10	-2	14	-5	4	-2.9	61.4	58.0
	31	20	37	14	25	-1.4	190.1	122.0	BOLIVI	18	1	27	-4	10	1.4	0.1	-70.5
	30	22	35	17	26	0.5	238.6	79.8	CHILE	19	11	25	3	15	**	204.8	****
	31	23	35	16	27	1.5	228.1	18.5	ARGENT	19	10	25	1	14	-3.0	91.3	14.3
	29	22	33	15	25	1.0	333.5	150.8	FORMOSA	18	5	25	-3	12	-1.2	14.1	-11.2
	30	22	35	17	26	2.7	178.5	19.5	CERES	18	3	27	-1	11	0.3	0.1	-13.5
	31	24	35	19	27	1.9	252.2	-38.9	CORDOBA	17	4	26	-2	10	1.1	0.1	-23.5
	32	26	36	22	29	2.0	383.3	67.3	RIO CUARTO	16	3	24	-3	10	-0.8	2.1	-43.1
	32	26	36	23	29	1.6	185.3	-102.2	ROSARIO	16	5	21	-3	10	0.1	2.6	-57.3
	33	25	35	18	29	1.5	112.2	-119.8	BUENOS AIRES	16	2	22	-8	9	1.3	0.1	-25.0
CNRY I	25	19	26	16	22	1.0	0.5	0.5	SANTA ROSA	13	2	19	-4	8	-0.1	4.3	-40.0
MOROCC	24	18	27	16	21	0.6	0.1	-5.7	TRES ARROYOS	27	22	29	17	25	0.6	44.4	-27.7
	32	16	38	14	24	0.9	0.4	-5.8	MIDW I	25	19	30	16	22	0.9	112.7	-1.5
ALGERI	29	18	36	11	23	2.0	0.5	-21.5	N CALD	27	21	31	18	24	0.7	243.4	76.8
	32	17	38	10	24	3.3	1.0	-22.1	FIJI	30	25	32	23	27	0.8	160.9	-56.7
TUNISI	31	18	40	12	25	2.1	0.9	-13.7	SAMOA	30	23	32	21	26	1.5	45.5	-16.0
NIGER	39	27	43	21	33	1.7	90.5	17.0	TAHITI	15	8	20	3	12	-0.3	91.1	-40.6
MALI	42	28	45	25	35	1.0	12.8	-5.4	N ZEAL	29	23	31	22	26	0.2	175.7	128.0
	35	25	41	21	30	0.9	72.8	-64.3	PA N G	29	21	34	16	25	-0.3	1.2	-0.6
MAURIT	34	22	45	15	28	0.5	0.1	-0.6	AUSTRAL	17	5	22	-1	11	-0.9	47.0	20.1
SENEGL	28	22	32	21	25	-0.8	0.1	-12.7	MOREE	19	11	23	3	15	-1.3	79.4	5.0
CHAG A	29	25	30	23	27	0.6	268.5	110.7	BRISBANE	17	6	20	0	12	-2.4	77.9	-98.6
LIBYA	36	21	43	13	29	2.9	0.1	-1.6	PERTH	17	7	23	1	12	-0.2	71.8	35.0
	32	21	41	15	26	0.5	0.1	0.1	CEDUNA	15	8	21	3	12	-0.4	72.2	18.1
EGYPT	34	21	38	17	27	-0.2	0.1	0.1	ADELAIDE	14	7	18	2	10	0.2	32.4	-8.3
	40	26	45	19	33	0.0	0.1	0.1	MELBOURNE	12	4	17	-3	8	-0.1	31.4	-9.4
ETHIOP	24	10	27	7	17	0.1	57.4	-60.6	WAGGA	11	2	15	-3	6	-0.4	17.8	-20.9
KENYA	24	11	27	6	17	-0.4	2.0	-28.9	CANBERRA	31	24	35	1				

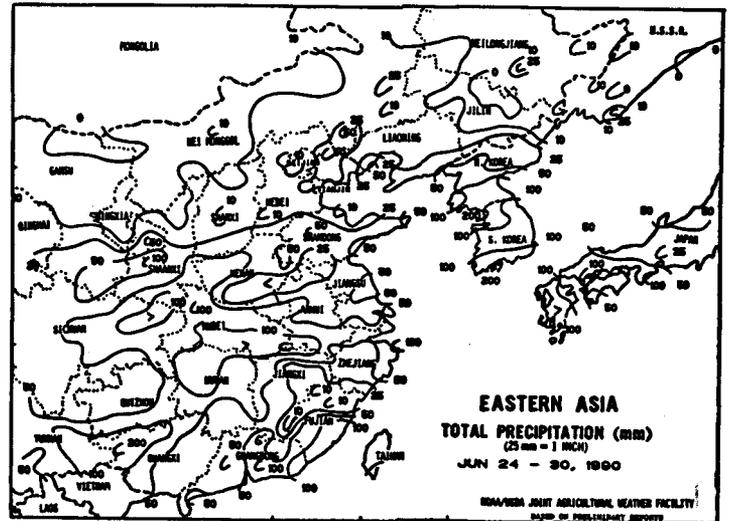
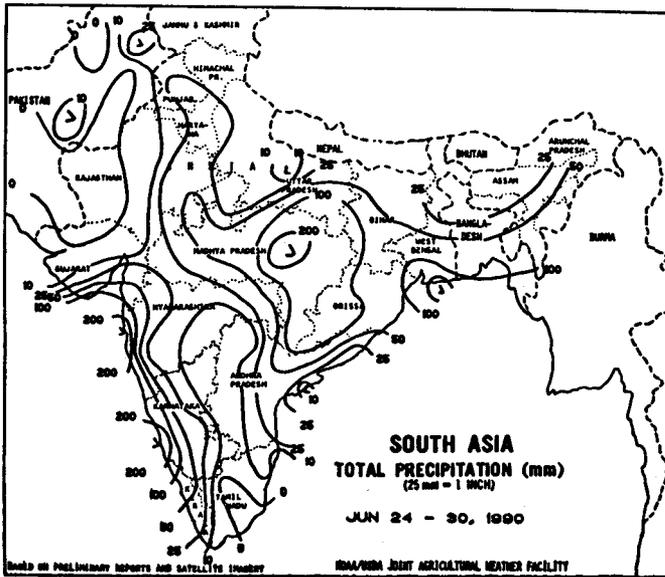


USSR ... In Western USSR, the winter grain harvest was beginning in the extreme southern Ukraine and parts of the North Caucasus. Spring barley in these areas entered the late filling stage, about 10 days earlier than usual. Although widespread rain (10-25mm, with local amounts in excess of 50mm) over the Baltic States, Belorussia, the Ukraine, North Caucasus, and the lower Volga slowed early harvest activities, it provided favorable moisture for immature winter grains, spring grains, and summer crops. Weekly average temperatures were near-normal in the west and 2 to 4 degrees Celsius (C) below normal in the east. Although the persistent rains of recent weeks, which have fallen over the southern portions of the region, have provided favorable moisture conditions for crops, the rain has increased the potential for lodging in winter and spring grains.

In the New Lands, cooler weather and widespread showers improved growing conditions for spring grains nearing the heading stage. Greatest amounts of rain (10-45mm, with local amounts in excess of 50mm) covered major western and central spring grain producing areas. The rain, which covered the southern Urals and Kazakhstan, followed 6 weeks of unfavorably dry weather, improving moisture conditions for crops. In contrast, minimal rain covered crop areas from Karabanda eastward to Pavlodar and Semipalatinsk, where rain is needed. Weekly average temperatures were near normal in the west and 1 to 3 degrees C below normal in the east.

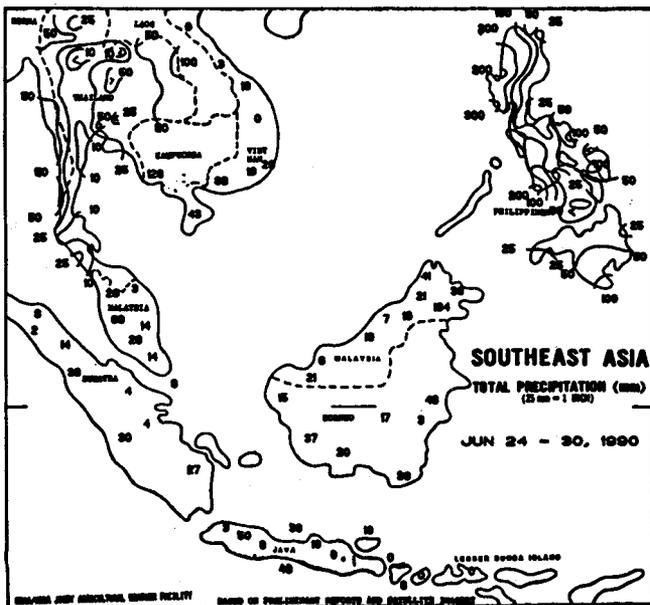


EUROPE ... Occasional rain (5-25mm, with scattered amounts greater than 35mm) continued across much of northern Europe, benefiting vegetative to filling summer crops and filling winter wheat. In the southwest, scattered light to moderate rain (5-20mm, with isolated amounts greater than 20mm) favored summer crops in sections of southwestern France and northern Spain. Mostly dry weather across crop areas of Italy and the Balkans allowed rapid progress of winter grain harvest. However, persistent dryness during much of the spring and early summer in scattered sections of Yugoslavia, Romania, Bulgaria, and Greece has depleted soil moisture reserves for most unirrigated summer crops. Mean weekly temperatures were near to above normal over most crop areas.

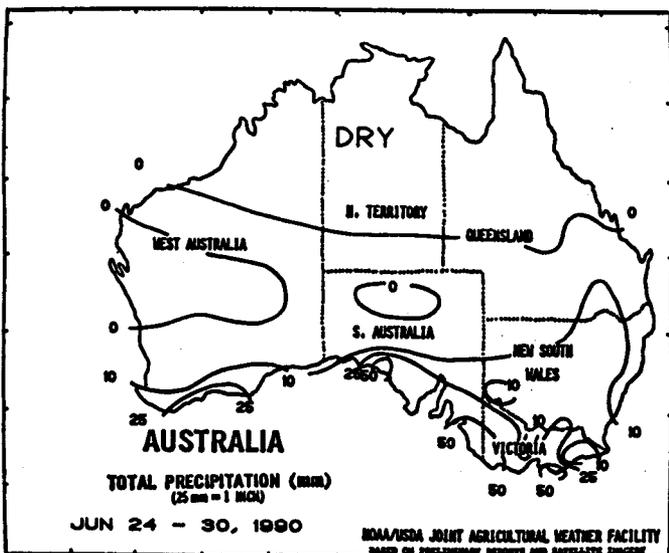


SOUTH ASIA ... Rainfall continued to be light over India's southern interior, with most areas from Maharashtra and northern Andhra Pradesh southward receiving 1-27mm. During recent weeks, below-normal rainfall, accompanied by seasonably warm temperatures, has reduced available moisture for planting and establishment of summer crops (such as cotton, groundnuts, and rice). In contrast, heavy showers (50-100mm or more, with local accumulations exceeding 200mm) continued along India's southwest coast. Moderate-to-heavy rain (25-50mm or more) fell over central and eastern areas, maintaining favorable moisture reserves for early crop growth. Gujarat received its first substantial rain of the season, with amounts varying from 13 to 126mm. However, heaviest rain (100-200mm or more) was again concentrated over eastern Madhya Pradesh, causing more local flooding. In the north, scattered showers (18-32mm) from northern Pakistan to western Uttar Pradesh brought some relief from the hot weather.

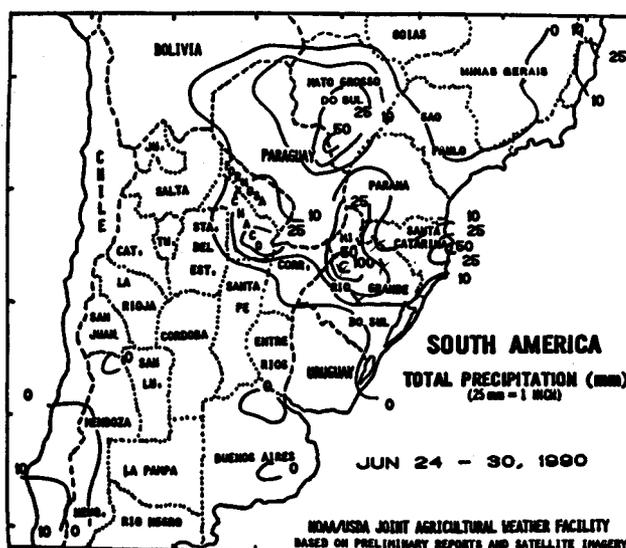
EASTERN ASIA ... Typhoon Percy brushed southern Taiwan on June 28th before making landfall in extreme southwestern Fujian and eastern Guangdong on the 29th. The storm brought high winds, very heavy rain (100-180mm), flooding, and localized crop damage, especially to maturing early crop rice and sugarcane. Earlier in the week, remnants of Typhoon Ofelia brought continued torrential rainfall (100-200mm, with isolated amounts in excess of 200mm) and flooding to many sections of North and South Korea where soils were already saturated from last week's heavy rains. Elsewhere, continuing heavy seasonal rains (40-120mm, with scattered amounts greater than 120mm) caused localized flooding in sections of the middle and upper Yangtze Valley and in southwestern China crop areas. Scattered moderate-to-heavy rain (15-40mm, with isolated amounts greater than 40mm) in the North China Plain caused delays in harvesting of winter wheat and planting of secondary crops. In Japan, widespread heavy rain (50-100mm, with isolated amounts greater than 100mm) reversed a drier than normal trend during the past several weeks.



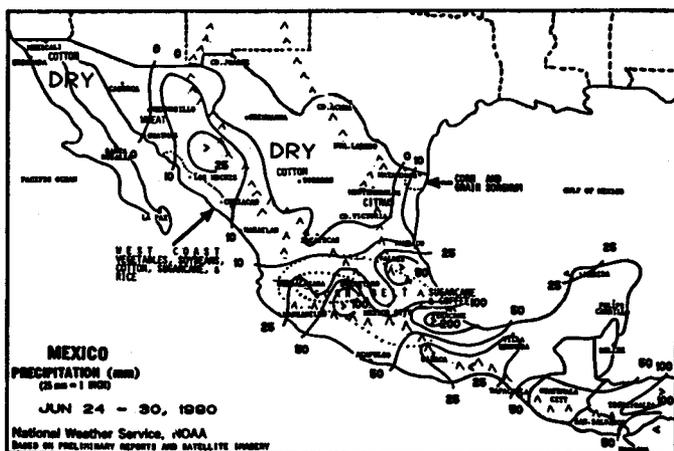
SOUTHEAST ASIA ... Scattered showers brought some relief from the recent warm, drier weather in northern and central Thailand. However, except for local areas, amounts were generally 30mm or less. The rain (19-89mm) was timely in the central corn areas for crops in or nearing reproduction, but temperatures 1-3 degrees C above normal accelerated crop growth and maintained high evaporative losses. Moderate to heavy rain (25-50mm or more) continued over eastern and northernmost Thai rice areas. In the Philippines, Typhoon Percy crossed the northern tip of Luzon, bringing heavy rains (100-300mm or more) and sustained winds of 95 knots to areas affected last week by Typhoon Ofelia. The high winds and flooding from the storms caused some damage to vegetative corn and rice. Moderate-to-heavy rain (25-50mm or more) covered most central and southern areas.



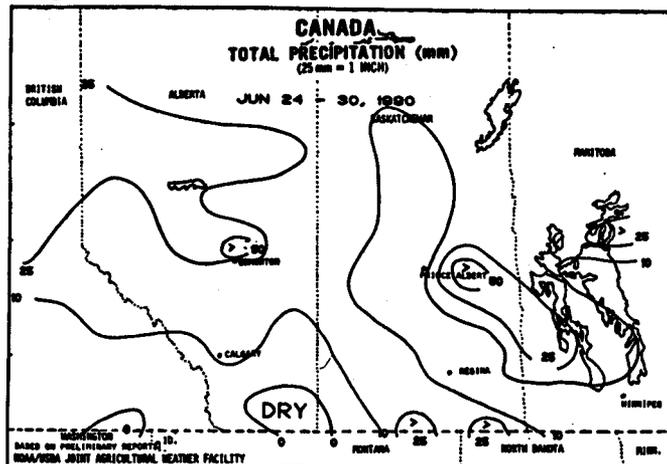
AUSTRALIA ... A slow-moving area of low pressure brought much needed rain (15-50mm, with isolated amounts greater than 50mm) to nearly all crop areas of South Australia and Victoria, increasing soil moisture to more normal levels for winter grains. It was the heaviest precipitation of the abnormally dry fall-winter season thus far. Scattered moderate-to-heavy rain (10-30mm) associated with the system also fell over southern crop areas of Western Australia. In the east, occasional rain (5-75mm, with isolated amounts greater than 25mm) maintained very favorable conditions for winter grains in Queensland and New South Wales. Below-normal temperatures (1-4 degrees C below normal) slowed or halted vegetative growth of winter crops across most growing areas, including freezing minimum temperatures in New South Wales and southern Queensland on the 28th and 29th.



SOUTH AMERICA ... In Brazil, early-week showers and thunderstorms covered wheat areas in Rio Grande do Sul and Santa Catarina. Precipitation amounts generally ranged from 10-25mm, with local amounts in excess of 50mm. Although the rain in these areas was not continuous throughout the week, it further aggravated wet field conditions brought on by the persistent rains of previous weeks. Further north, favorable dry weather covered wheat areas in Parana. In Argentina, dry weather continued over primary wheat growing areas of Cordoba, Santa Fe, La Pampa, and Buenos Aires, helping wheat planting. Latest reports indicate that 25 percent of the wheat crop has been planted. Dry weather since early June has limited topsoil moisture in these areas, and rain is needed for crop emergence and establishment.



MEXICO ... Highly variable rainfall over southern and eastern Mexico favored crop growth but likely caused local flooding. Amounts over the Southern Plateau Corn Belt ranged from 10 to 100mm or more, with a local report of 244mm southwest of Veracruz. Rainfall along the southern coast ranged from 11 to 60mm, bringing little relief from the local flooding caused last week by Tropical Storm Douglas. In the north, hot weather persisted, with high temperatures of 41-46 degrees C reported in the northwest. Scattered showers (8-27mm), however, boosted local reservoir levels and brought some relief from the heat.



CANADA ... Dry, warmer-than-normal weather covered portions of the southwestern Prairie Provinces, accelerating growth of vegetative crops and drying topsoils. High temperatures reached 35-37 degrees C for brief periods early in the week and on the 30th over southeastern Alberta and much of southwestern Saskatchewan as far east as Moose Jaw. More rain will be needed in upcoming weeks to replenish soil moisture reserves as crops enter the heading stage. Elsewhere, rainfall amounts were variable, with accumulations of 10-25mm or more limited to northernmost crop areas and portions of central and southern Saskatchewan. Severe weather was reported in southern Saskatchewan, causing some local crop damage. In Manitoba, mostly dry weather helped fields dry out following weeks of above normal rainfall.

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(Continued from front cover)
southern Atlantic seaboard at week's end.

Scattered showers and thunderstorms developed in the warm humid air throughout the week across the **Gulf Coast States**, bringing needed moisture to **Florida, eastern Texas, and Louisiana**. On Monday, thunderstorms erupted in the **upper Mississippi** and **lower Missouri valleys**, causing heavy rain. On Tuesday, severe thunderstorms, accompanied by large hail, damaging wind, and some tornadoes, spread from the **northern Plains** into the **Northeast** by week's end. These storms produced heavy rain and local flooding across the northern **Corn Belt**. Dry conditions remained along portions of the **middle and southern Atlantic coast**.

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