

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and World Agricultural Outlook Board

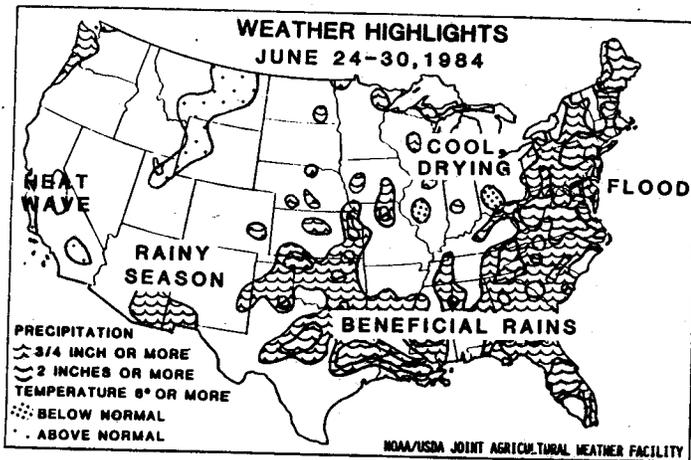
Volume 71, No. 26

WASHINGTON, D.C.

July 3, 1984

National Weather Summary

June 24 to 30



TUESDAY...It was cooler in the Northeast but unusually warm weather spread through the Plains and the Southwest. Showers and thunderstorms were accompanied by severe weather from central Texas to the Great Lakes, and showers continued from the Southwest to the central Rockies.

WEDNESDAY...Showers developed from the eastern Great Lakes region and upper Ohio Valley to southern New England. Thunderstorms produced occasional severe weather from much of the gulf coast to the southern Plains. Despite the severe weather, rains were beneficial in central and western Texas.

THURSDAY...Showers and thunderstorms spread through the eastern portion of the central and southern Plains, eastward to the east coast, and along the east coast to New England. Unusually warm weather spread from the Southwest throughout the Rocky Mountains and into the central Plains.

FRIDAY...Moist air from the Gulf of Mexico and the Atlantic Ocean triggered showers, thunderstorms, and some severe weather from eastern Texas through the Southeast, in all of the East Coast States, and on both sides of the Appalachians. Seasonal showers in Arizona spread over the central Plateau.

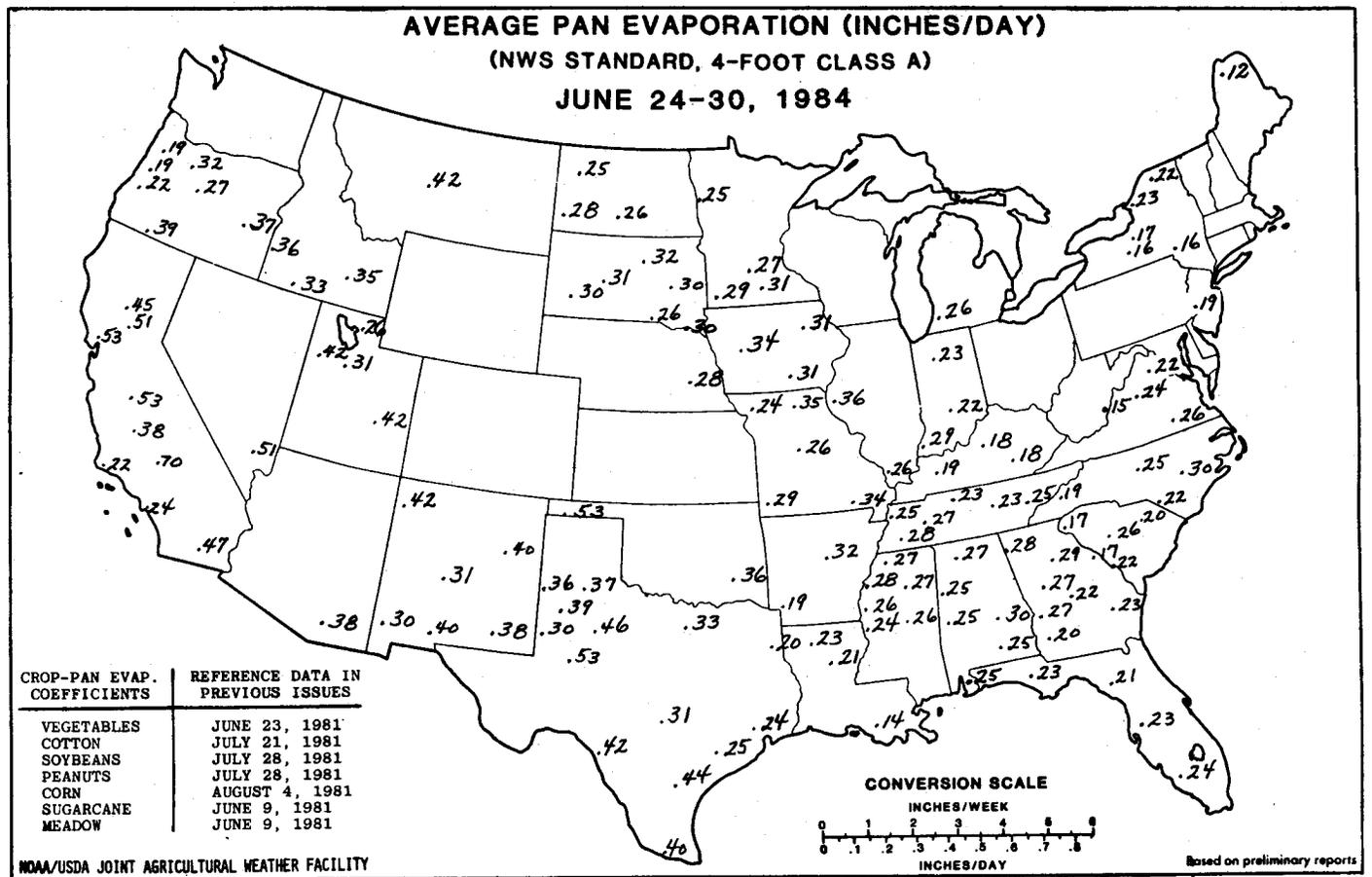
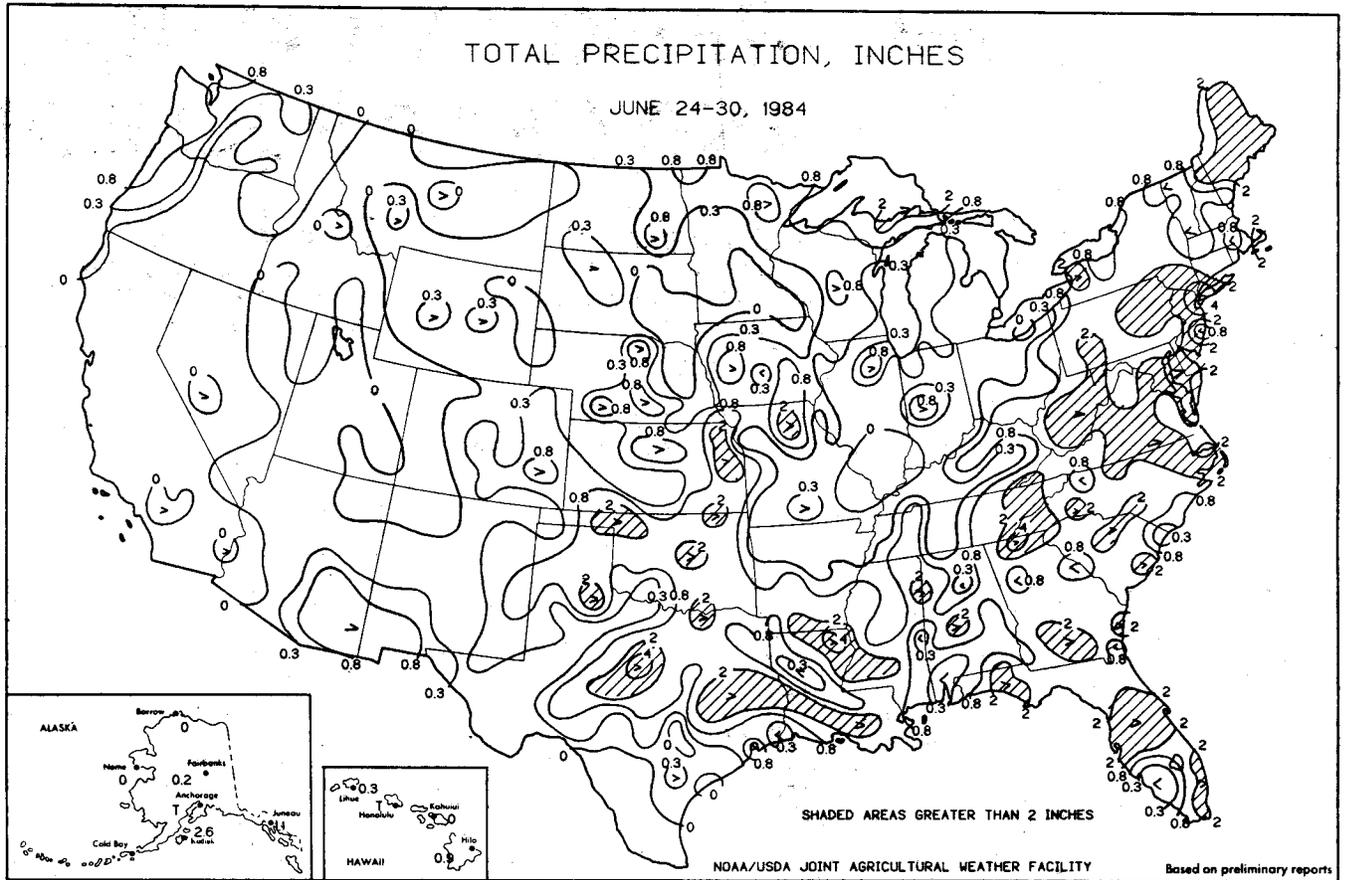
SATURDAY...Thunderstorms persisted along the gulf coast, the Southeast, and the central Appalachians, while rain and showers reached from Delaware to southern New England. Heavy rain caused flooding in parts of New York City, New Jersey, and Long Island. Another cold front spread showers and thunderstorms from the central Rockies through the northern Plains.

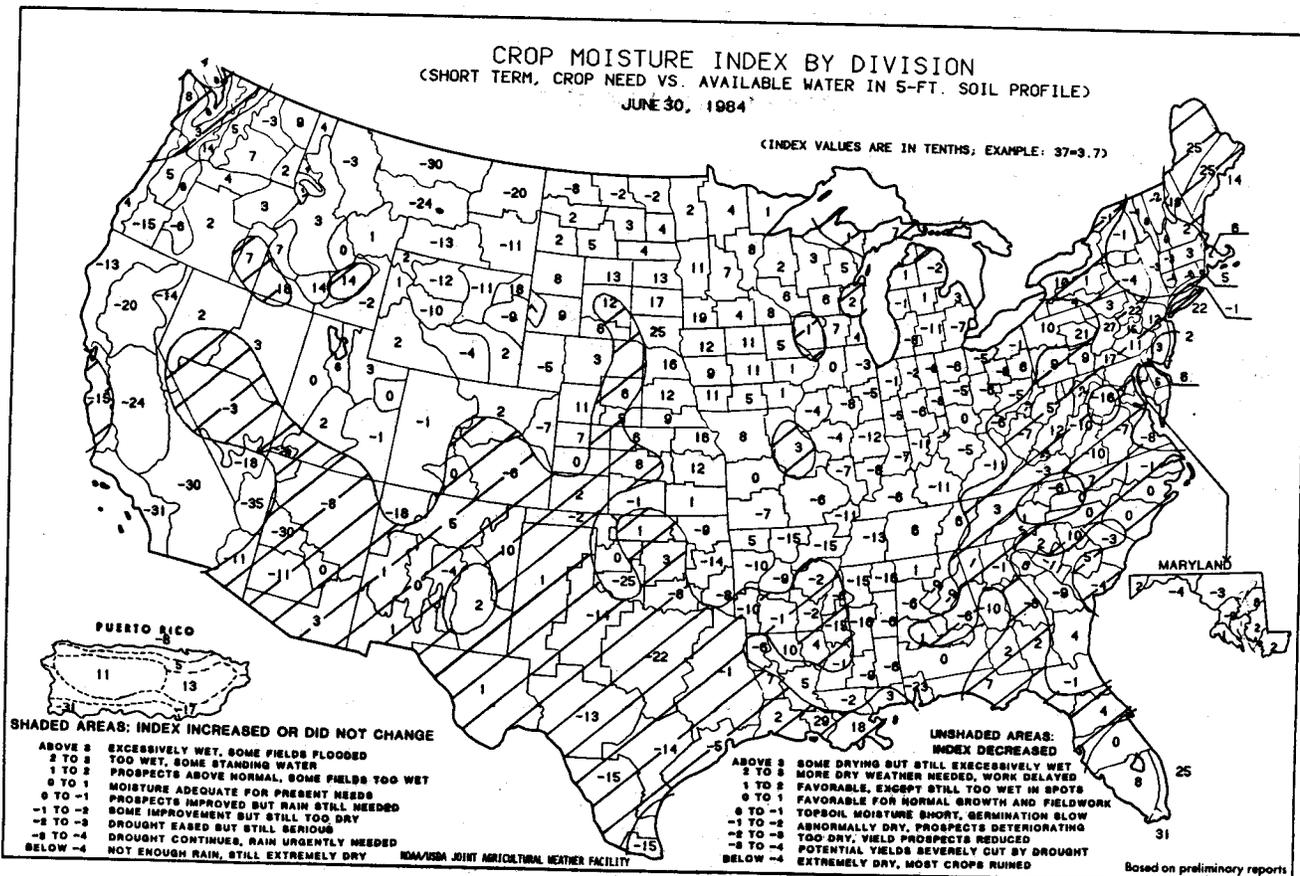
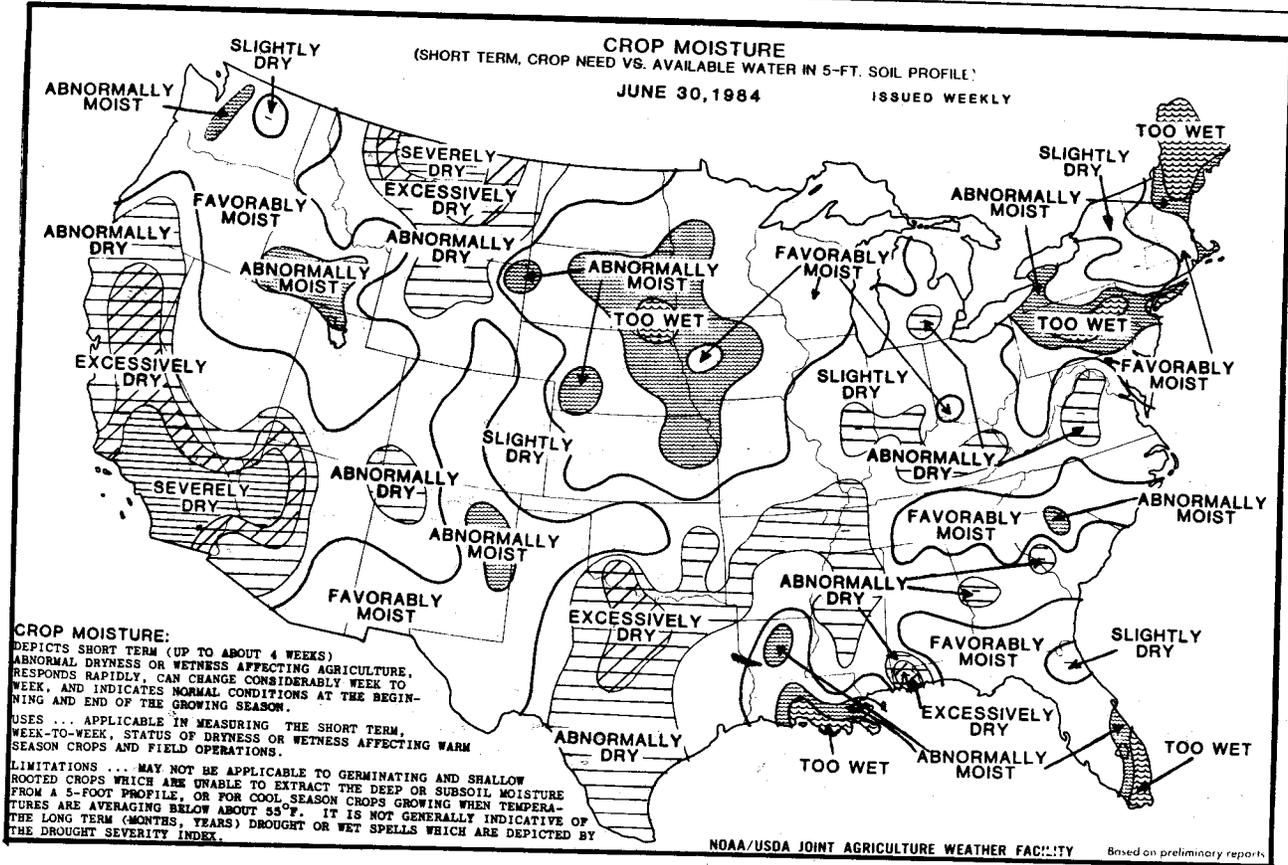
HIGHLIGHTS: Showers and thunderstorms were accompanied by severe weather from the southern Plains to the western Great Lakes, across the South, and up the east coast to the mid-Atlantic States. Heavy rain caused severe flooding in parts of New Jersey, New York City, and Long Island. Lighter rain covered most of New York and New England. The rains were mostly beneficial in central and western Texas, the Mississippi Delta, and most of the East Coast States. Light rain in the eastern Corn Belt was less than desirable but cool temperatures retarded moisture demand. Average temperatures were cooler than normal east of the Rockies but warmer than normal from the Southwest through the Rockies.

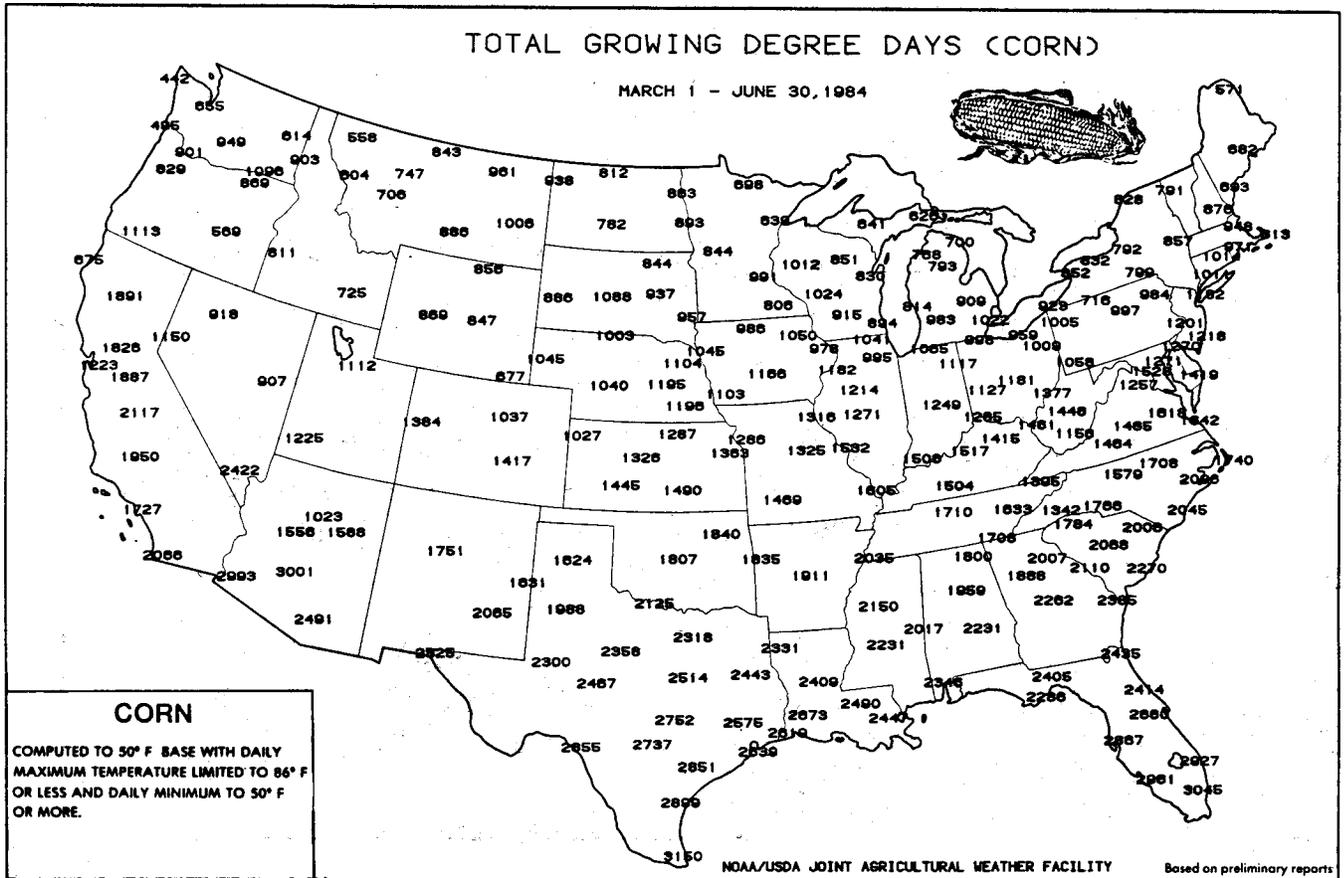
SUNDAY...A cold front triggered showers from Georgia through New England. The greatest amount of rain fell from the central Appalachians through New York. Showers were widely scattered in the Southwest, the intermountain region, and parts of the central Plains. Temperatures were near 100 degrees at some locations in the South and in California.

MONDAY...Showers and thunderstorms lingered from the mid-Atlantic States through New England and in eastern Florida. Thunderstorms expanded in the central Plains and spread into the northern Plains and upper Mississippi Valley. Showers continued from the Southwest to the central Rockies. It was somewhat cooler in the upper Ohio Valley but 90 degree readings reached through the Plains to South Dakota.

Contents	Page
National Weather Summary	1
Precipitation & Pan Evaporation	2
Crop Moisture & Crop Moisture Index	3
Growing Degree Days & June Acreage Highlights	4
Average Temperature & Departure	5
Weather Data for Selected Cities	6
Cooling Degree Days Table	9
Cooling Degree Days Maps	10
Average Annual Number of Hot Days	11
National Agricultural Summary	12
Crop Progress	13
State Summaries of Weather & Agriculture	14
International Weather & Crop Summary	21
Tropical Weather of Eastern Pacific & Subscription & Mailing Permit Information	24







June Acreage Highlights

CORN planted for all purposes is estimated at 79.9 million acres, up 33 percent from last year, when planted acreage was the lowest since records began, but down 2 percent from the 1982 plantings. Growers expect to harvest 71.6 million acres for grain, up 39 percent from 1983.

SORGHUM planted for all purposes is estimated at 16.2 million acres, an increase of 38 percent from 1983 and up 9 percent from the February Intentions. Growers expect to harvest 14.6 million acres for grain, up 49 percent from last year.

FEED GRAIN planted acreage (corn, sorghum, oats and barley) totaled 120 million acres, up 17 percent from 1983. Acreage intended for grain is placed at 106 million acres, up 32 percent from a year earlier.

ALL WHEAT acreage seeded is estimated at 79.5 million acres, up 4 percent from last year. Durum

wheat seeded acreage, at 3.28 million acres is up 28 percent from 1983. Other spring wheat seeded, at 12.4 million acres, is 6 percent above last year. Winter wheat acreage for harvest, at 51.1 million acres, is up 7 percent from 1983.

FOOD GRAIN seeded acreage (wheat, rice and rye), at 85.4 million acres is 5 percent above 1983. Acreage for harvest as grain is pegged at 70.3 million acres, up 9 percent from 1983.

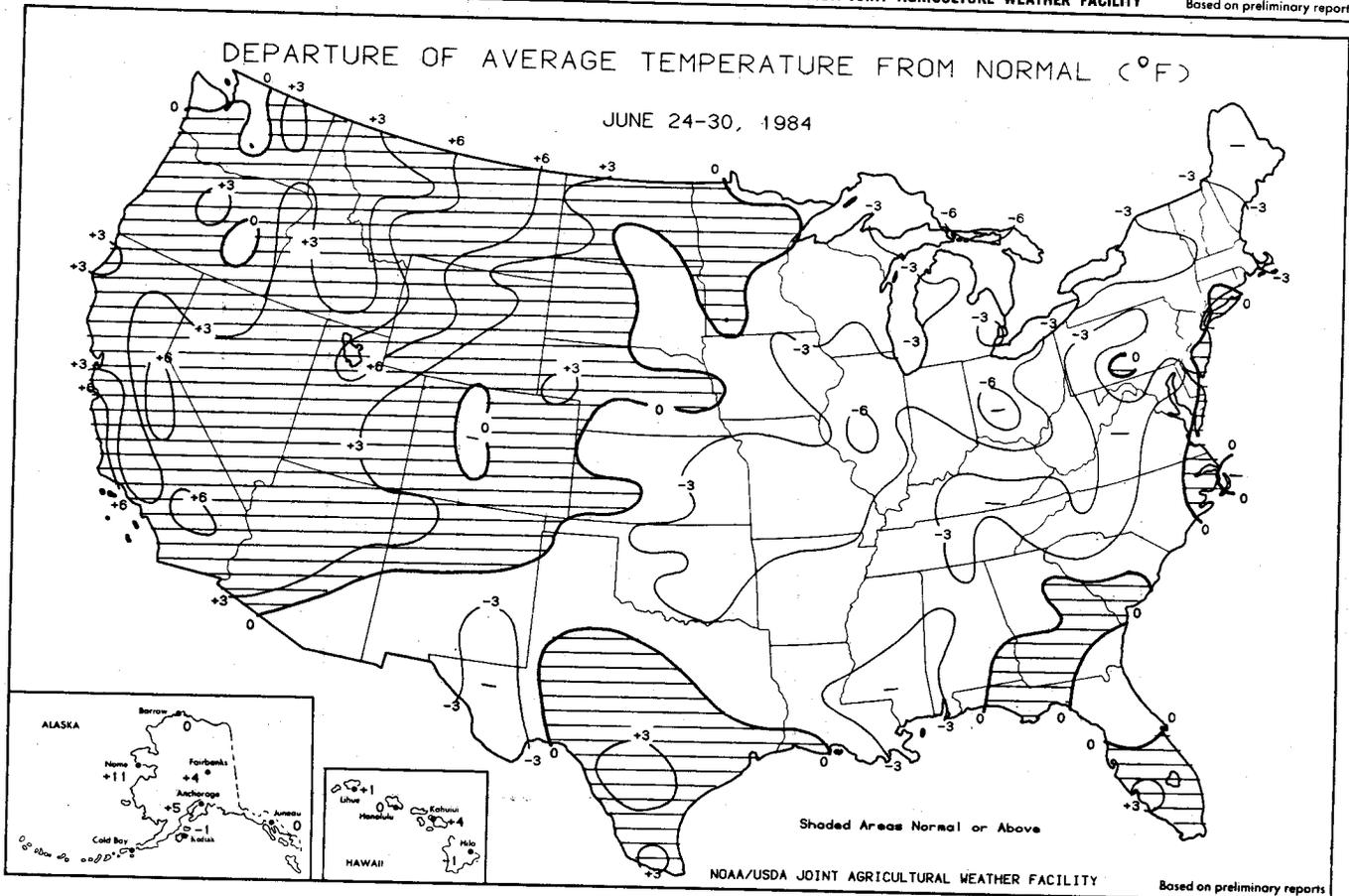
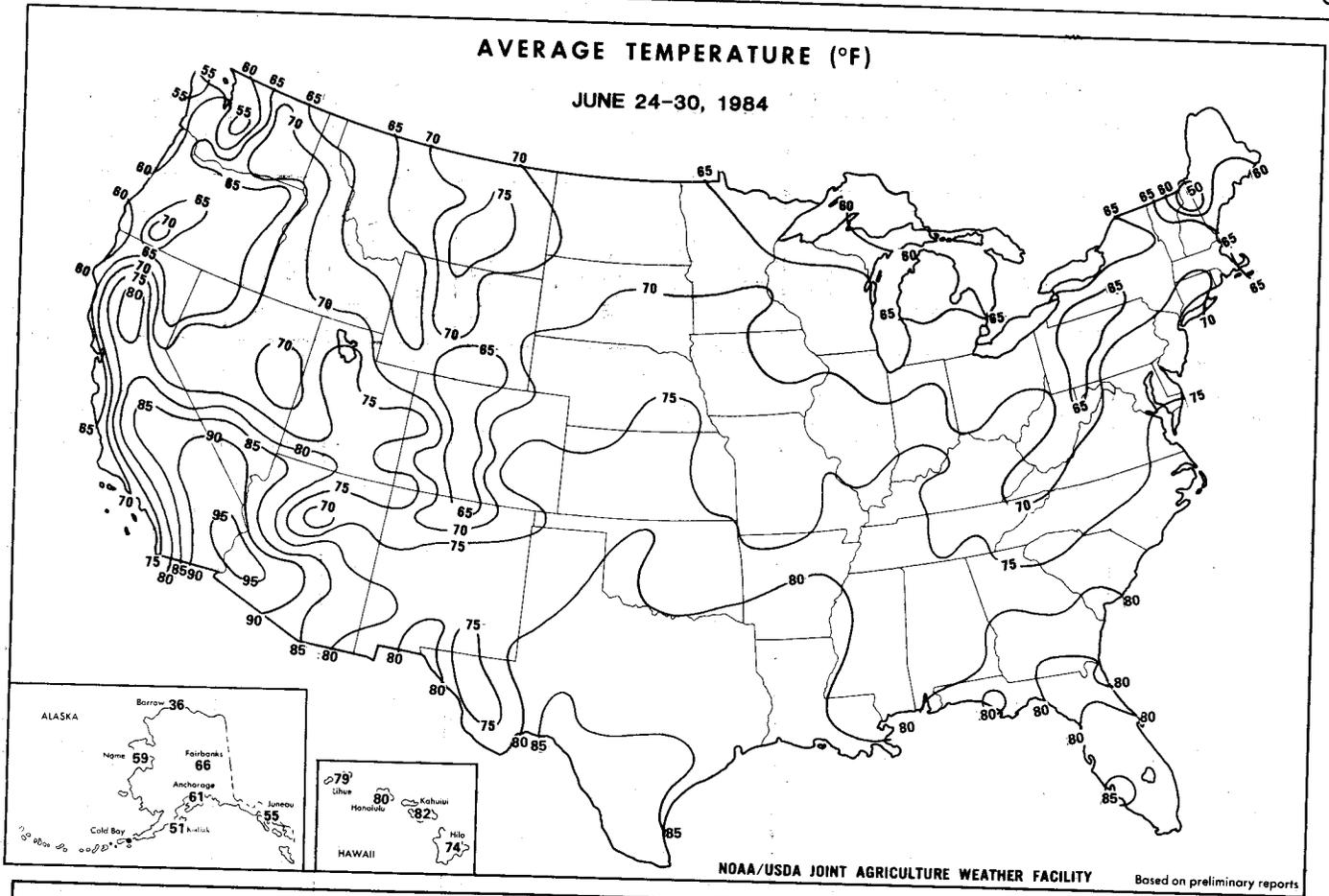
COTTON acreage planted is estimated at 11.3 million acres, 43 percent more than last year and virtually the same as the 1982 planted acres.

SOYBEAN area planted is estimated at 68.0 million acres, up 8 percent from a year earlier but 4 percent less than 1982.

OILSEEDS planted acreage (cotton, flaxseed, peanuts, soybeans and sunflower) total 85.1 million acres, 12 percent more than planted in 1983.

(continued from p. 23)

Planting for optimal yield potential is normally complete by mid-June but the planting season can extend into July. Significant rain will be needed during the next few weeks to complete wheat planting. In the west, planting is complete with adequate moisture for crop emergence and early growth.



Weather Data for the Week Ending JUNE 30, 1984

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 JUNE 3	PCT. NORMAL SINCE JUNE 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION				
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE			
AL BIRMINGHAM	88	65	91	58	77	-1	T	-1.0	T	1.4	41	25.6	85	86	60	3	0	2	0			
MOBILE	89	69	92	65	79	-3	T	-1.4	T	2.0	42	25.5	79	86	50	3	0	1	0			
MONTGOMERY	89	69	92	65	79	-3	1.0	-1.1	1.0	2.5	76	24.0	94	88	46	6	0	1	1			
AK ANCHORAGE	67	55	72	46	61	5	T	.3	T	1.5	150	5.6	133	63	40	0	0	2	0			
BARROW	41	31	46	30	36	0	T	.1	T	0	0	0	57	94	71	0	0	0	0			
FAIRBANKS	76	56	82	53	66	4	T	.1	T	.4	33	3.8	103	88	36	0	0	3	0			
JUNEAU	60	50	66	47	55	0	1.1	.3	1.0	2.9	100	23.3	115	96	59	0	0	1	1			
KODIAK	55	48	62	46	51	-1	2.6	2.0	1.1	5.0	179	41.8	120	97	85	0	0	5	1			
NOME	69	49	80	44	59	10	T	.3	T	.8	73	3.2	73	85	46	0	0	0	0			
AZ PHOENIX	105	81	109	73	93	3	T	.2	T	.2	100	1.6	64	58	23	7	0	1	0			
PRESCOTT	88	62	96	59	75	4	T	.3	T	.1	14	.4	6	50	71	3	0	1	0			
TUCSON	96	74	101	70	85	-1	1.0	.8	T	1.0	333	2.0	77	65	26	7	0	3	1			
YUMA	104	84	109	81	94	3	T	.0	T	0	0	+100	.9	60	57	27	T	0	0			
AR FORT SMITH	88	67	91	63	78	-3	T	.3	T	.5	2	2.0	57	77	90	41	4	0	0	0		
LITTLE ROCK	91	70	95	68	80	0	T	.1	T	.6	.1	1.1	37	80	85	46	6	0	0	0		
CA BAKERSFIELD	97	65	101	63	81	0	T	0	T	0	0	+100	1.2	29	51	19	7	0	0	0		
EUREKA	64	52	71	50	58	3	T	0	T	.6	150	16.6	76	67	75	0	0	2	0	0		
FRESNO	102	68	105	63	85	7	T	0	T	.2	+100	2.0	29	49	15	7	0	0	0	0		
LOS ANGELES	75	62	81	61	69	2	T	0	T	0	+100	1.7	20	88	62	0	0	0	0	0		
RED BLUFF	100	67	104	61	83	4	T	.1	T	0	.1	20	4.2	32	60	17	7	0	0	0	0	
SACRAMENTO	97	59	102	55	78	5	T	0	T	.1	100	3.0	28	76	65	7	0	0	0	0	0	
SAN DIEGO	78	69	84	66	73	5	T	0	T	0	+100	1.2	19	90	67	0	0	0	0	0	0	
SAN FRANCISCO	73	51	85	49	62	0	T	0	T	0	0	6.0	31	91	50	0	0	0	0	0	0	
CO DENVER	89	57	94	51	73	2	T	.2	T	.2	1.0	67	6.5	77	69	19	2	0	2	0	0	
GRAND JUNCTION	91	63	98	59	77	1	T	.1	T	1.6	400	5.3	147	53	20	5	0	0	0	0	0	
PUEBLO	95	58	99	53	76	2	T	.3	T	.0	.3	30	4.0	78	77	17	7	0	4	0	0	
CT BRIDGEPORT	78	64	83	58	71	0	1.7	-1.0	.8	2.6	96	25.3	125	86	62	0	0	4	1	0	0	
HARTFORD	80	59	86	51	70	-2	T	.5	T	.3	2	1.0	31	28.2	127	94	50	0	0	3	0	0
DC WASHINGTON	86	66	93	60	76	-1	1.9	-1.1	1.5	2.3	72	21.0	114	87	45	2	0	4	1	0	0	
FL APALACHICOLA	89	73	95	70	81	0	1.1	-.3	.6	3.4	71	27.7	124	86	56	3	0	2	2	0	0	
DAYTONA BEACH	87	70	90	68	78	-2	2.0	-.5	.8	2.9	47	18.7	90	89	63	1	0	4	2	0	0	
JACKSONVILLE	87	72	91	69	79	-1	.4	-1.0	.2	4.9	94	22.0	91	98	67	1	0	4	0	0	0	
KEY WEST	89	79	90	75	84	0	.9	-.2	.8	7.1	151	23.6	154	77	60	1	0	2	1	0	0	
MIAMI	90	75	94	73	82	0	2.2	-.3	1.2	7.6	90	30.3	122	93	56	5	0	5	2	0	0	
LANDLORD	89	72	93	71	81	-1	3.7	-1.8	1.9	5.3	75	21.4	97	100	64	4	0	3	2	0	0	
TALLAHASSEE	91	70	95	67	81	0	1.6	-.2	.9	3.4	54	34.0	108	98	54	4	0	4	1	0	0	
TAMPA	89	77	90	74	83	1	2.2	-.8	1.2	3.2	64	13.5	71	64	61	2	0	5	2	0	0	
WEST PALM BEACH	89	73	90	72	81	0	2.6	-.8	1.2	5.8	79	30.7	119	97	61	4	0	6	2	0	0	
GA ATLANTA	86	68	91	67	77	0	.7	-.2	.4	.7	21	30.4	112	83	61	2	0	3	0	0	0	
AUGUSTA	90	68	94	64	79	-1	.3	-.6	.1	.7	19	29.1	122	91	49	3	0	4	0	0	0	
MACON	90	69	93	64	80	-1	1.1	-.1	.7	1.6	44	24.5	96	90	54	5	0	3	1	0	0	
SAVANNAH	90	71	94	70	80	0	.9	-.6	.5	1.5	28	27.9	117	92	52	4	0	4	1	0	0	
HT HILLO	81	67	83	66	74	-1	.9	-.6	.4	4.1	73	46.1	70	86	58	0	0	5	0	0	0	
HONOLULU	87	72	88	69	80	0	T	.1	T	0	0	4.8	36	82	46	0	0	1	0	0	0	
KAHULUI	88	75	90	73	82	3	T	0	T	0	0	5.4	43	64	45	1	0	0	0	0	0	
LIHUE	85	74	86	72	79	1	.3	0	.1	.7	54	7.6	34	79	53	0	0	5	0	0	0	
ID BOISE	89	58	102	49	74	4	T	.1	T	1.4	175	7.3	100	50	17	3	0	0	0	0	0	
LEWISTON	86	56	97	46	71	1	.1	-.1	.1	1.6	123	6.9	96	74	27	3	0	1	0	0	0	
POCATO	88	50	96	44	69	2	T	.2	T	1.3	130	7.4	117	65	18	3	0	2	0	0	0	
IL CHICAGO	78	55	88	52	67	-5	.3	-.6	.2	1.9	50	16.0	96	91	50	0	0	2	0	0	0	
MOLINE	82	59	87	54	71	-3	.1	-1.0	.1	3.8	93	18.3	99	85	40	0	0	1	0	0	0	
PEORIA	81	61	84	55	71	-3	.1	-.8	.1	2.9	81	19.8	112	89	47	0	0	1	0	0	0	
QUINCY	84	63	88	58	73	-2	.3	-.7	.2	3.0	103	20.0	109	87	39	0	0	2	0	0	0	
ROCKFORD	79	57	86	54	68	-4	.1	-1.0	.1	4.0	93	15.0	83	91	48	0	0	1	0	0	0	
SPRINGFIELD	80	59	84	53	70	-6	T	-.8	T	2.2	65	20.6	117	90	42	0	0	1	0	0	0	
IN EVANSVILLE	87	64	89	61	75	-2	T	-.8	T	3.3	106	22.7	101	84	37	0	0	0	0	0	0	
FORT WAYNE	80	58	84	49	69	-3	.2	-.7	.1	1.4	46	15.8	88	88	38	0	0	4	0	0	0	
INDIANAPOLIS	82	60	85	54	71	-3	.5	-.5	.4	1.6	42	17.2	85	87	37	0	0	2	0	0	0	
SOUTH BEND	77	59	84	55	68	-4	.3	-.7	.2	3.3	85	16.0	85	80	41	0	0	2	0	0	0	
IA DES MOINES	85	62	91	57	73	-1	T	-.8	T	7.7	203	23.2	146	84	42	2	0	1	0	0	0	
STIOUX CITY	83	61	89	55	72	-2	T	-.9	T	6.8	179	22.3	172	84	47	0	0	1	0	0	0	
WATERLOO	81	56	88	53	68	-3	T	-1.0	T	4.3	110	16.8	103	96	48	0	0	1	0	0	0	
KS CONCORDIA	88	64	93	58	76	-1	.2	-.7	.2	4.0	103	18.1	132	87	42	3	0	1	0	0	0	
DODGE CITY	95	66	100	60	80	2	.1	-.6	T	1.9	68	11.5	104	83	29	6	0	2	0	0	0	
GOODLAND	88	58	91	56	73	-1	.3	-.3	.2	3.5	130	12.6	138	90	34	0	0	2	0	0	0	
TOPEKA	83	61	87	58	72	-5	2.2	-1.1	1.5	9.6	200	23.3	145	93	47	0	0	2	2	0	0	
WICHITA	89	65	95	63	77	-2	.1	-.8	.1	2.3	61	16.4	116	84	35	3	0	2	0	0	0	
KY BOWLING GREEN	84	62	87	58	73	-4	.1	-.9	.1	1.9	46	31.1	115	95	44	0	0	1	0	0	0	
LEXINGTON	84	62	86	56	73	-2	1.2	-.2	.7	2.2	56	21.8	89	88	41	0	0	2	0	0	0	
LOUISVILLE	86	63	89	57	75	-1	.2	-.8	.1	.5	15	19.4	83	78	35	0	0	1	0	0	0	
LA ALEXANDRIA	88	72	93	69	80	-3	.1	-.7	.1	6.7	181	34.1	109	91	58	2	0	3	0	0	0	
BATON ROUGE	88	71	95	67	79	-3	.8	-.3	.4	3.0	100	19.1	68	89	54	3	0	5	0	0	0	
LAF CHARLES	89	74	97	72	82	0	1.7	.7	1.7	3.8	97	25.7	104	90	62	3	0	2	1	0	0	
NEW ORLEANS	85	70	90	67	78	-4	1.9	.7	1.1	7.2	167	26.8	91	92	62	2	0	5	1	0	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

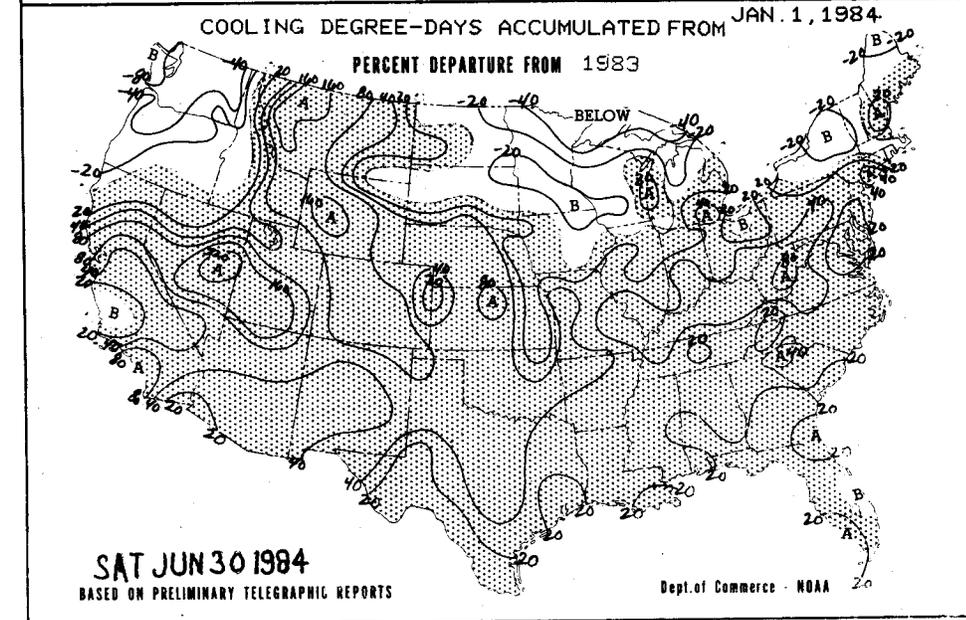
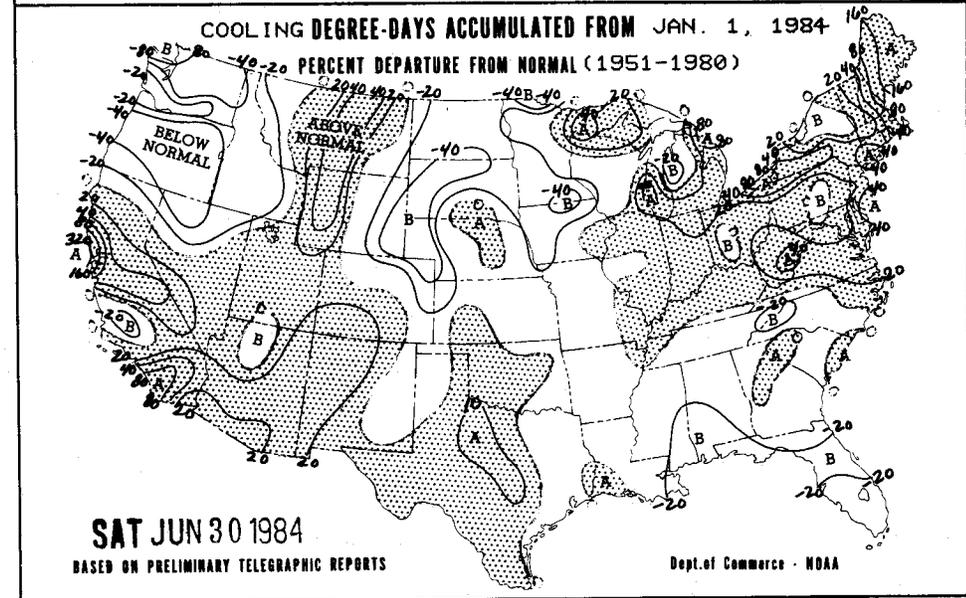
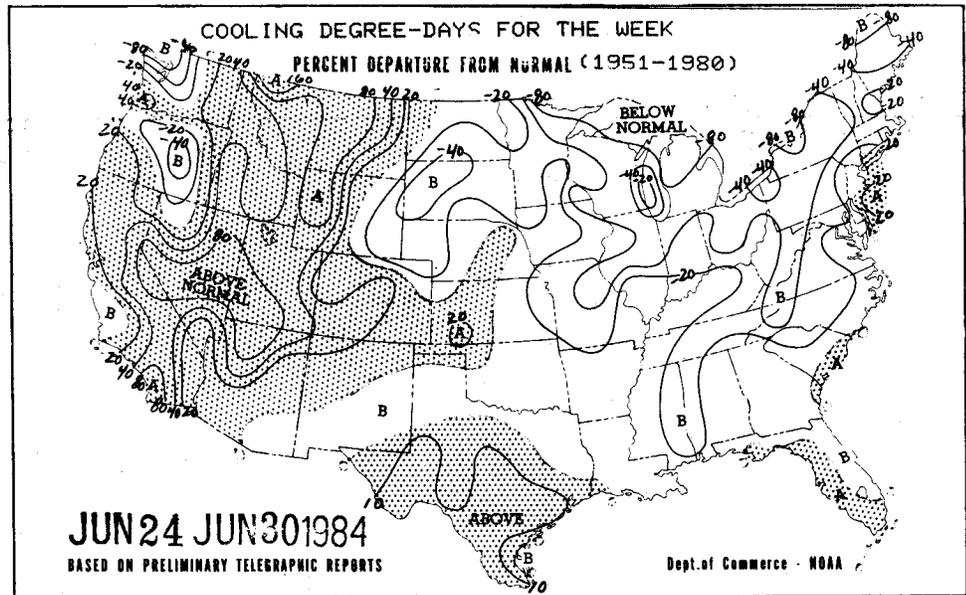
Weather Data for the Week Ending JUNE 30, 1984

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 JUNE 3	PCT. NORMAL SINCE JUNE 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPI-TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	90	72	96	68	81	-1	.7	-.2	.5	3.6	100	23.1	94	95	57	4	0	2	1
ME CARIBOU	66	48	76	41	57	-2	2.2	1.4	1.0	5.0	161	20.5	129	89	64	0	0	6	2
ME PORTLAND	70	57	80	48	63	-2	1.9	1.2	1.6	2.3	79	31.0	144	93	68	0	0	6	2
MD BALTIMORE	82	61	89	55	72	-4	1.3	.4	.7	1.6	46	20.4	100	86	48	0	0	4	2
MD SALESBURY	84	65	90	58	75	0	2.4	1.6	1.2	4.0	121	28.6	134	92	60	0	0	4	2
MA BOSTON	76	60	86	54	68	-3	1.1	.5	.7	1.3	50	33.1	150	98	73	1	1	5	2
MA CHATHAM	68	55	72	50	61	-3	2.2	1.6	2.3	3.0	115	27.7	119	82	50	0	0	2	1
MI ALPENA	73	50	84	39	61	-3	.2	-.6	-.1	2.7	87	11.6	82	95	50	0	0	2	1
MI DETROIT	80	55	84	45	68	-3	.1	-.7	-.1	1.7	21	12.7	79	81	35	0	0	2	1
MI FLINT	77	55	83	48	66	-3	.1	-.6	-.1	1.7	23	11.3	78	86	41	0	0	2	1
MI GRAND RAPIDS	77	56	86	50	66	-4	.3	-.6	-.3	.7	18	12.4	74	95	45	0	0	1	0
MI HOUGHTON LAKE	72	54	79	41	63	-3	.6	-.1	-.4	1.9	66	10.0	76	90	46	0	0	4	0
MI LANSING	76	54	84	47	65	-4	1.1	-.7	-.1	1.3	9	10.9	75	92	42	0	0	4	0
MI MARQUETTE	68	50	76	45	59	-3	1.3	.4	1.1	2.7	75	15.0	82	95	50	0	0	5	1
MI MUSKEGON	74	55	82	52	65	-4	.4	-.2	.3	1.8	77	13.8	90	90	49	0	0	2	1
MI SAULT STE. MARIE	66	45	79	38	55	-6	2.6	1.8	1.9	3.9	122	12.5	85	95	72	0	0	3	1
MN ALEXANDRIA	80	58	84	55	69	1	.1	-.8	-.1	6.7	176	14.7	170	90	39	0	0	1	0
MN DULUTH	78	49	81	45	63	1	.5	.4	.5	5.7	154	12.1	90	86	39	0	0	1	0
MN INT'L FALLS	75	49	82	41	62	-2	.7	-.2	-.7	6.8	104	10.6	101	95	46	0	0	1	0
MN MINNEAPOLIS	82	59	90	55	70	-1	0	-.9	0	7.6	200	17.5	138	83	39	1	0	1	0
MN ROCHESTER	79	55	88	51	67	-2	0	-.9	0	3.6	97	13.4	101	84	41	0	0	0	0
MS GREENWOOD	88	70	94	66	79	-2	.8	-.1	.8	1.3	42	24.9	83	89	44	3	0	2	1
MS JACKSON	88	68	93	61	78	-3	.8	-.1	.5	3.3	118	25.1	85	96	52	2	0	3	0
MS MERIDIAN	88	62	92	56	75	-5	.1	-.9	.1	1.7	50	24.0	81	94	46	1	0	2	0
MO CAPE GIRARDEAU	86	64	89	60	75	-1	0	-.8	0	.8	74	17.9	76	90	43	0	0	0	0
MO COLUMBIA	81	60	83	55	71	-5	.5	-.4	.4	6.9	192	25.7	132	95	50	0	0	2	0
MO KANSAS CITY	83	61	86	59	72	-4	.1	1.0	.1	4.2	95	19.8	117	76	38	0	0	2	0
MO SAINT LOUIS	84	66	88	61	75	-2	.3	-.6	.3	2.7	79	23.7	129	87	40	0	0	2	0
MO SPRINGFIELD	85	60	87	54	72	-4	.1	-.9	.1	3.1	72	20.0	98	96	45	0	0	1	0
MT BILLINGS	93	59	105	53	76	8	T	-.4	T	1.6	89	6.2	69	59	17	6	0	0	0
MT CLARROW	88	58	99	53	73	6	T	-.5	T	1.9	83	4.1	65	63	19	2	0	0	0
MT GREAT FALLS	86	50	97	39	68	2	T	-.4	T	2.5	100	7.3	76	56	18	2	0	0	0
MT HAVRE	90	54	105	47	72	6	T	-.5	T	.6	30	3.3	52	58	15	3	0	1	0
MT HELENA	84	51	91	45	68	4	.1	-.3	.1	2.3	121	5.6	85	73	22	2	0	1	0
MT KALISPELL	80	48	90	42	64	3	0	-.4	0	1.7	89	7.5	86	87	28	1	0	0	0
MT MILES CITY	90	60	98	57	75	5	0	-.5	0	3.6	138	5.8	72	63	21	5	0	0	0
MT MISSOULA	82	47	92	35	65	2	0	-.4	0	1.4	82	8.2	104	85	28	1	0	0	0
NE GRAND ISLAND	89	62	94	55	75	1	T	-.8	T	3.7	109	22.3	169	79	37	3	0	1	0
NE LINCOLN	88	61	93	55	75	-1	0	-.8	0	5.1	146	25.4	176	83	30	2	0	0	0
NE NORFOLK	87	62	93	56	75	1	T	-.9	T	5.5	134	22.4	170	83	37	3	0	0	0
NE NORTH PLATTE	86	56	91	50	71	-1	.1	-.7	.1	4.7	134	15.0	134	73	38	2	0	1	0
NE OMAHA	84	63	92	57	74	0	T	-.9	T	7.0	179	22.8	151	80	44	1	0	1	0
NE SCOTTSSBLUFF	91	55	93	53	73	2	T	-.6	T	1.2	44	8.8	98	75	10	6	0	0	0
NE VALENTINE	91	53	92	45	72	0	.1	-.6	.1	2.2	79	9.0	96	71	27	6	0	1	0
NV ELY	87	47	91	38	67	4	.2	0	.1	.6	75	3.8	72	75	21	2	0	2	0
NV LAS VEGAS	104	77	109	74	91	3	.1	-.1	.1	.1	+100	.1	6	36	13	7	0	2	0
NV RENO	91	49	95	44	70	4	T	-.1	T	.4	133	1.6	36	59	17	5	0	0	0
NV WINNEMUCCA	91	47	98	39	69	1	T	-.2	T	1.4	140	6.5	133	53	11	5	0	0	0
NH CONCORD	76	57	85	47	66	-1	1.0	.4	.4	1.8	64	26.0	152	96	59	0	0	0	0
NJ ATLANTIC CITY	84	64	85	55	74	1	.7	0	.4	1.6	62	25.3	125	86	46	0	0	3	0
NM ALBUQUERQUE	93	66	96	62	79	2	-.1	-.1	.1	.4	100	2.0	83	68	23	6	0	4	0
NM CLOVIS	85	63	89	61	74	-2	.9	.3	.9	4.6	192	9.5	134	88	40	0	0	2	1
NM ROSWELL	90	67	95	64	78	-3	.8	.5	.5	4.0	444	7.0	233	84	30	5	0	3	1
NY ALBANY	76	56	82	50	66	-3	.5	-.3	.3	1.7	55	21.3	123	98	57	0	0	4	0
NY BINGHAMTON	74	56	81	51	65	-2	1.4	.5	.8	2.7	77	21.1	115	93	51	0	0	3	1
NY BUFFALO	74	56	80	50	65	-4	2.4	1.8	1.6	6.7	279	20.5	122	86	49	0	0	4	2
NY NEW YORK	80	65	84	63	72	-2	5.3	4.5	3.7	6.5	224	31.0	153	90	57	0	0	4	2
NY ROCHESTER	73	55	80	51	64	-5	.5	-.1	.4	1.6	62	17.0	112	94	56	0	0	4	2
NY SYRACUSE	75	54	78	48	65	-5	.9	0	.6	2.1	62	16.7	80	98	56	0	0	4	0
NC ASHEVILLE	79	57	82	49	68	-4	1.6	.6	.6	4.0	100	27.9	113	100	60	0	0	5	1
NC CHARLOTTE	83	64	87	59	73	-4	1.4	.6	1.0	2.9	91	27.0	193	84	40	0	0	5	1
NC GREENSBORO	82	62	88	55	72	-4	2.5	1.5	1.4	3.1	82	26.2	121	85	50	0	0	4	2
NC HATTERAS	82	68	85	64	75	-1	2.9	1.8	1.1	3.1	78	23.7	97	96	62	0	0	4	3
NC NEW BERN	87	71	89	66	79	1	2.0	.7	1.2	2.6	53	29.3	120	85	56	0	0	4	2
NC RALEIGH	85	62	88	56	73	-3	2.0	1.0	1.1	3.2	89	29.1	136	96	51	0	0	4	2
NC WILMINGTON	87	68	91	64	78	-1	.4	-.1	.3	.9	17	22.5	92	91	55	1	0	3	0
ND BISMARCK	80	54	88	48	67	0	.1	-.6	.1	3.5	121	9.8	117	83	40	0	0	3	0
ND FARGO	81	57	87	51	69	0	.1	-.7	.1	5.4	180	10.7	115	86	37	0	0	1	0
ND GRAND FORKS	80	54	86	51	67	0	.6	-.1	.3	6.0	214	10.5	125	88	43	0	0	2	0
ND WILLISTON	85	54	91	49	69	2	0	-.6	0	1.9	76	5.5	74	78	23	2	0	0	0
OH AKRON-CANTON	79	58	82	52	68	-2	.3	.5											

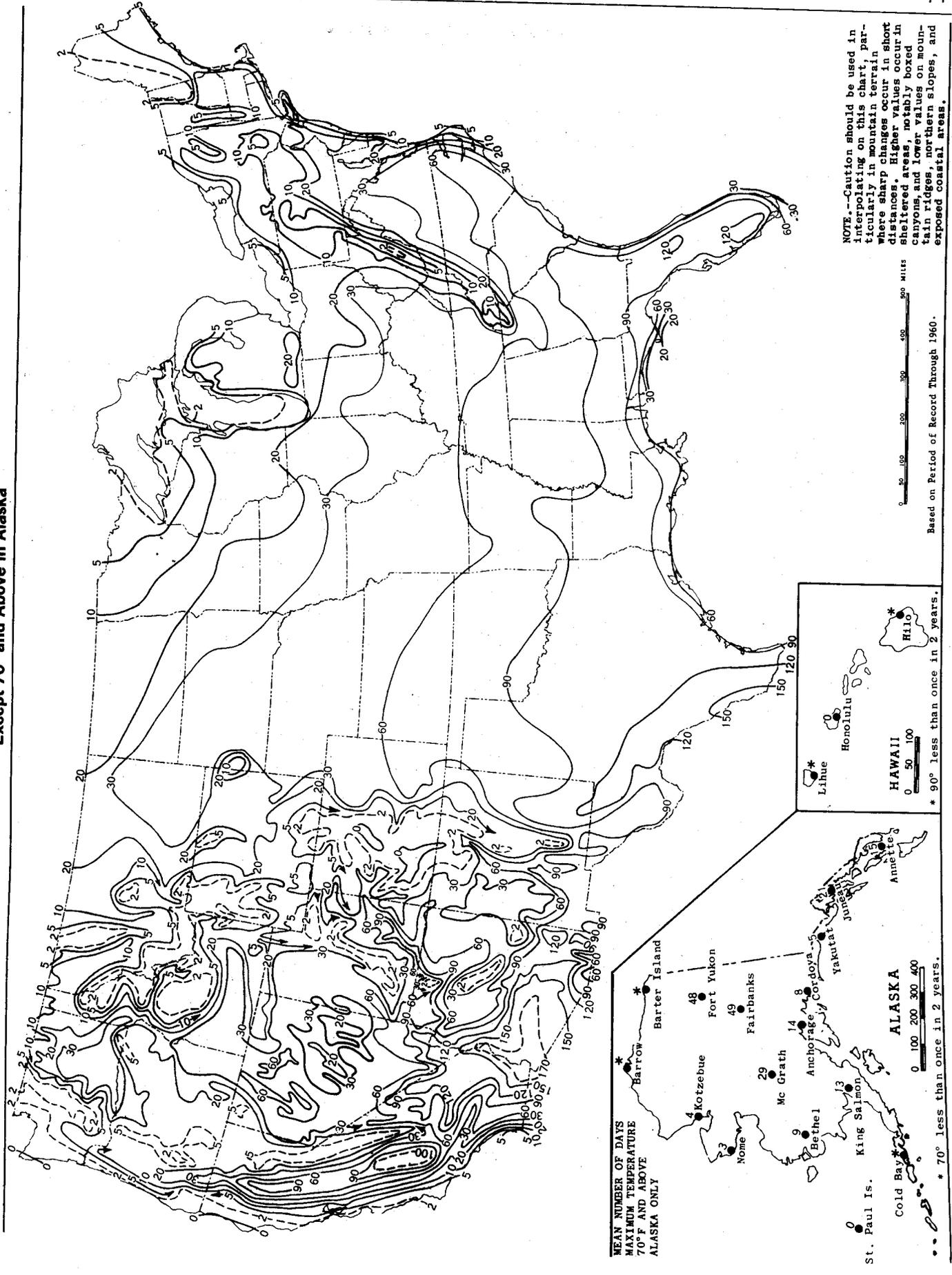
Weather Data for the Week Ending JUNE 30, 1984

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 JUNE 3	PCT. NORMAL SINCE JUNE 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
OK DAYTON	78	57	82	50	68	-6	.3	.6	.3	1.0	53	17.3	91	77	37	0	0	2	0	
OK TOLEDO	79	55	84	46	67	-4	.2	.6	.2	1.1	34	15.3	94	89	39	0	0	1	0	
OK YOUNGSTOWN	78	55	81	47	67	-2	.1	.8	.2	3.6	109	18.2	97	94	68	0	0	2	0	
OK OKLAHOMA CITY	88	67	95	65	78	-2	1.4	.6	1.0	3.5	100	13.1	79	82	41	1	0	4	1	
OK TULSA	89	66	92	57	78	-3	1.4	.4	.8	1.8	42	25.2	125	91	37	3	0	4	1	
OR ASTORIA	65	53	68	46	59	1	1.4	1.0	.7	3.8	181	35.1	97	93	68	0	0	4	2	
OR BURNS	81	47	89	37	64	-1	.0	.1	.0	1.9	5.6	175	81	81	0	0	0	0	0	
OR MEDFORD	89	54	94	43	71	2	.1	.1	.0	.7	117	6.8	65	82	26	4	0	0	0	
OR PFNDLETON	83	57	90	46	70	0	.1	.1	.1	1.1	183	8.1	121	78	28	1	0	1	0	
OR PORTLAND	77	58	87	51	67	2	.6	.4	.5	4.1	315	19.9	101	85	46	0	0	4	0	
OR SALEM	77	50	85	41	63	0	.7	.5	.5	3.9	325	22.9	107	99	55	0	0	2	1	
PA ALLENTOWN	81	62	85	54	71	-1	2.3	1.5	1.8	4.1	128	27.9	129	88	51	0	0	3	1	
PA ERIF	75	59	80	52	67	-1	.4	.4	.2	4.4	129	19.0	102	87	54	0	0	2	0	
PA HARRISBURG	80	64	87	59	72	-2	2.2	1.4	1.4	6.4	194	29.1	148	88	45	0	0	4	2	
PA PHILADELPHIA	82	66	88	58	74	-3	1.2	.3	.5	2.9	81	25.3	122	88	45	0	0	3	1	
PA PITTSBURGH	79	55	82	47	67	-4	1.0	.2	.7	1.9	61	16.9	88	79	39	0	0	4	1	
PA SCRANTON	77	60	84	52	68	-2	3.0	2.2	1.9	4.7	147	22.3	132	88	52	0	0	5	3	
RI PROVIDENCE	75	61	81	56	68	-2	.8	.2	.6	2.5	93	32.2	141	93	64	0	0	4	1	
SC CHARLESTON	87	71	90	68	79	0	2.0	.4	1.3	2.9	48	29.9	171	92	56	1	0	5	1	
SC COLUMBIA	88	66	91	62	77	-3	3.9	2.8	2.2	6.5	155	29.1	113	99	52	3	0	4	2	
SC FLORENCE	87	67	89	62	77	-2	.9	.4	.8	4.8	107	27.1	173	91	48	0	0	2	1	
SC GREENVILLE	81	63	87	60	72	-4	1.8	.7	1.2	3.1	70	32.2	114	92	57	0	0	5	1	
SD ABERDEEN	79	57	82	52	68	-2	.7	.7	.0	4.9	169	11.6	117	88	48	0	0	0	0	
SD HURON	82	58	84	53	70	-1	0	.7	0	10.5	328	19.3	184	95	47	0	0	0	0	
SD RAPID CITY	82	54	87	48	68	-1	.1	.6	.1	4.7	152	10.5	104	83	39	0	0	2	0	
SD SIOUX FALLS	82	57	86	53	70	-2	0	.8	0	8.5	236	20.3	166	91	48	0	0	0	0	
TN CHATTANOOGA	88	63	92	57	76	-2	1.3	.4	.7	2.6	81	26.9	95	92	41	3	0	2	2	
TN KNOXVILLE	83	61	88	53	72	-4	3.2	2.2	2.3	4.4	119	28.4	109	98	49	0	0	3	2	
TN MEMPHIS	89	70	92	65	79	-2	.1	.8	.1	1.2	34	27.7	95	82	41	2	0	1	0	
TN NASHVILLE	85	65	89	61	75	-3	.1	.7	.1	4.5	136	31.6	117	88	44	0	0	1	0	
TX ABILENE	97	71	103	66	84	1	1.4	.9	1.3	1.7	74	4.3	38	78	28	7	0	3	1	
TX AMARILLO	89	64	92	61	76	-1	1.0	.2	1.0	6.9	209	10.0	108	88	35	3	0	1	1	
TX AUSTIN	97	75	102	73	86	3	.7	.6	.0	1.7	61	8.1	50	82	74	6	0	0	0	
TX BEAUMONT	90	76	95	75	83	0	.2	.8	.2	1.0	27	24.6	106	100	65	3	0	1	0	
TX BROWNSVILLE	95	76	96	73	86	2	0	.5	0	2.5	100	14.2	143	90	47	7	0	0	0	
TX CORPUS CHRISTI	95	73	96	72	84	0	.0	.6	.0	.2	7	9.1	72	92	49	7	0	1	0	
TX DEL RIO	97	77	99	71	87	2	.0	.4	.0	.4	25	4.7	63	71	30	7	0	0	0	
TX EL PASO	95	69	97	66	82	-1	.6	.3	.5	3.2	533	4.4	191	76	24	7	0	2	1	
TX FORT WORTH	95	73	100	69	84	-1	1.2	.7	1.2	2.8	117	16.0	98	84	41	6	0	2	1	
TX GALVESTON	89	79	93	74	84	2	.8	.1	.8	.9	27	11.4	67	88	65	4	0	2	1	
TX HOUSTON	91	73	96	70	82	0	.4	.5	.4	2.0	53	16.3	72	87	49	4	0	1	0	
TX LUBBOCK	91	66	95	63	79	-1	.0	.6	.0	4.3	165	5.3	64	85	36	5	0	1	0	
TX MIDLAND	96	71	101	62	83	2	.0	.3	.0	2.1	162	6.0	103	66	77	7	0	1	0	
TX SAN ANGELO	96	72	103	67	84	0	2.4	2.0	2.3	2.8	156	7.1	82	80	36	6	0	2	1	
TX SAN ANTONIO	98	75	100	74	87	3	.3	.3	.3	1.5	52	9.6	66	77	33	7	0	1	0	
TX VICTORIA	96	77	98	76	86	3	.1	.8	.1	2.1	50	12.5	71	83	42	7	0	1	0	
TX WACO	95	74	102	71	85	1	.5	.1	.3	1.8	78	11.2	66	85	43	5	0	3	0	
TX WICHITA FALLS	96	70	99	66	83	-1	.3	.3	.3	1.3	50	5.9	41	75	31	7	0	1	0	
UT BLANDING	88	57	94	55	73	2	.1	.1	.1	.8	200	3.2	67	62	28	3	0	2	0	
UT CEDAR CITY	92	58	97	53	75	5	.2	.1	.2	.6	150	5.1	104	53	17	6	0	2	0	
UT SALT LAKE CITY	93	65	100	58	79	6	.1	.7	.1	1.9	190	10.6	115	63	20	6	0	1	0	
VT BURLINGTON	77	56	82	50	67	-1	.4	.4	.2	1.7	50	16.8	108	86	41	0	0	4	0	
VA NORFOLK	85	67	91	64	76	-1	1.1	.2	.5	1.4	44	27.7	131	88	47	1	0	3	1	
VA RICHMOND	87	63	92	57	75	-1	1.9	.9	.8	2.0	57	29.4	145	97	44	2	0	5	2	
VA ROANOKE	84	59	90	51	71	-3	1.6	.9	1.3	2.3	74	21.5	106	85	46	1	0	2	1	
WA COLVILLE	78	52	87	42	65	1	.8	.5	.8	6.0	462	16.4	184	81	41	0	0	1	1	
WA QUILLAYUTP	61	47	69	41	54	-3	1.7	1.1	.7	2.8	104	64.1	120	100	70	0	0	4	2	
WA SEATTLE-TACOMA	71	53	81	51	62	0	.5	.2	.3	2.8	215	20.4	107	91	52	0	0	3	0	
WA SPOKANE	80	53	89	42	66	1	.3	0	.3	2.4	200	10.0	111	86	31	0	0	1	0	
WA YAKIMA	82	50	90	39	66	-2	.0	.1	.0	1.4	350	5.0	122	79	31	1	0	0	0	
WV BECKLEY	76	56	81	49	66	-2	2.3	1.3	1.0	2.9	78	18.8	83	94	53	0	0	6	2	
WV CHARLESTON	83	60	89	54	71	-2	2.4	1.5	1.5	2.6	81	17.4	81	89	44	0	0	4	1	
WV HUNTINGTON	81	60	86	52	71	-3	.9	.1	.5	1.8	55	17.1	80	92	49	0	0	2	1	
WV PARKERSBURG	82	62	87	55	72	-1	.5	.6	.3	.5	12	14.1	60	86	42	0	0	4	0	
WI GREEN BAY	78	55	85	50	66	-1	.2	.6	.2	5.5	183	14.5	109	91	44	0	0	1	0	
WI LA CROSSE	82	56	89	52	69	-2	0	1.0	0	7.3	187	16.5	112	88	38	0	0	0	0	
WI MADISON	77	55	82	49	66	-3	.5	.4	.5	7.0	194	16.8	114	87	48	0	0	1	0	
WI MILWAUKEE	75	59	86	56	67	-1	.3	.6	.3	4.1	121	17.1	111	80	50	0	0	2	0	
WI WAUSAU	78	55	84	49	66	-1	.4	.6	.4	6.1	156	15.2	104	90	40	0	0	1	0	
WY CASPER	88	49	96	43	69	2	.3	1.1	.3	1.3	118	8.3	117	71	13	3	0	1	0	
WY CHEYENNE	82	51	86	47	67	1	.1	.4	.1	2.3	115	9.9	122	79	26	0	0	1	0	
WY LANDER	90	56	98	51	73	6	.4	.1	.4	1.5	115	8.3	97	56	18	3	0	1	0	
WY SHERIDAN	87	49	100	44	68	3	.6	.2	.6	2.5	119	9.2	98	81	23	2	0	2	1	
PR SAN JUAN	91	76	92	74	83	1	.2	.8	.1	6.5	151	16.0	74	85	56	7	0	3	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



MEAN ANNUAL NUMBER OF DAYS MAXIMUM TEMPERATURE 90°F AND ABOVE
Except 70° and Above in Alaska



NOTE.--Caution should be used in interpolating on this chart, particularly in mountain terrain, where sharp changes occur in short distances. Higher values occur in sheltered areas, notably boxed canyons, and lower values on mountain ridges, northern slopes, and exposed coastal areas.

0 100 200 300 400 500 Miles

Based on Period of Record Through 1960.

MEAN NUMBER OF DAYS
MAXIMUM TEMPERATURE
70°F AND ABOVE
ALASKA ONLY

0 100 200 300 400

* 90° less than once in 2 years.
* 70° less than once in 2 years.

Lihue
Honolulu
HAWAII
0 50 100
* 90° less than once in 2 years.

St. Paul Is.

ALASKA

National Agricultural Summary

June 25 to July 1

HIGHLIGHTS: Crops benefited from widespread showers from the southern Plains across the South and northward into New England. Drying conditions allowed increased replanting of previously damaged fields in the western Corn Belt but depleted soil moisture across the eastern Corn Belt. Soil moisture supplies were rated short to adequate, except in the western Corn Belt where some surplus conditions continued. Most farmers had more than 5 days available for fieldwork, except in portions of the western Corn Belt where only 4 to 5 days were suitable because of wet soils.

Corn was silking as far north as Virginia, reaching 2% silked nationally. Stands were rated fair to mostly good with early planted fields reaching the dent stage in the South. Soybean seeding reached 95% completion; 1% of the crop was blooming. Planting of double-cropped soybeans increased in the Southeast after some areas received beneficial rains late in the week. Winter wheat harvesting was 30% finished in the 15 major producing States, equal to the average. Spring wheat was 37% headed, 1 point slower than normal. In the 14 major cotton producing States, 44% of the acreage was squaring and 10% was setting bolls. Grain sorghum planting was 96% complete, 2 points ahead of schedule; 19 percent was headed versus 20% a year earlier. Tobacco harvesting increased in the Southeast. Rice was 11% headed, 2 points behind the average pace. Pastures were in fair to good condition except in portions of the Southwest and Texas where conditions were poor because of dry weather.

SMALL GRAINS: Winter wheat continued in fair to mostly good condition. Combining in the 15 major producing States was 30% complete, 13 points ahead of last year but equal to the average for this date. Harvesting was underway in the Corn Belt and moved as far north as Kansas on the Great Plains. Widely scattered showers slowed progress from the southern Plains through the Southeast. Warm temperatures in Texas advanced maturity on the Plains and promoted rapid combining between showers. Harvesting reached 80% finished in Texas.

Spring wheat was 37% headed, 1 point behind the average. Warm temperatures and adequate soil moisture aided crop development, except in portions of Montana where dry conditions limited growth.

CORN: Corn was 2% silked versus 3% for the average. Stands were silking as far north as Virginia where 8% of the acreage was in the silking stage. In Georgia, 83% of the acreage was silked, 35% was in the dough stage, and 20% was in the dent stage. Showers replenished soil moisture across much of the South and relieved moisture stress in many areas. Average plant height was 29 inches in Indiana and 33 inches in Illinois; normal height for this date is 30 and 37 inches, respectively.

SOYBEANS: Soybean planting in the 18 major producing States was 95% complete, equal to the average. Planting was virtually complete in the eastern Corn Belt. However, wet conditions slowed planting in the western Corn Belt and progress was slowed by previous dry weather in the Southeast. Planting of double-cropped soybean acreage gained momentum as wheat harvesting neared completion across portions of the South. Soybean stands were in fair to mostly good condition with 1% of the crop blooming.

SORGHUM: In the seven major sorghum producing States, 98% of the acreage was planted, compared with the average of 94%. Only South Dakota lagged the average. Wet conditions left producers in that

State with 79% of the acreage planted, 19 points slower than normal. Nebraska growers finished seeding while Texas producers neared completion. In Texas, 55% was heading, 43% was turning color, and 25% was mature. Harvesting was underway in the Lower Rio Grande Valley of Texas.

COTTON: Cotton squaring in the 14 major producing States was 44% finished, 1 point behind normal. Progress ranged from none in Oklahoma to 94% squared in Arizona. Plants bloomed and set bolls on 10% of the acreage, mainly across the extreme South. Texas producers actively planted after showers moved across the Plains. Bollworm populations were increasing in the Blacklands. Stands were rated fair to mostly good in all producing regions.

OTHER CROPS: Tobacco transplanting was nearing completion in northern producing areas. The crop was rated in fair to mostly good condition. Growers continued spraying and cultivating fields. Harvesting advanced to 11% complete in Georgia, well behind the 19% average.

Peanuts were in fair to mostly good condition. In Alabama, 23% of the acreage was pegging, and in Georgia, 84% was blooming and 46% was pegging; both States are slightly behind normal for this date. In Texas, planting gained momentum after being delayed by showers.

Rice was 51% headed in Texas, 3 points behind the average. In Louisiana, 20% was headed, 6 points behind normal. The crop was rated fair to mostly good.

Showers late in the week delayed hay cutting across most of the eastern half of the Nation. The wet conditions lowered the quality of cut hay in many areas.

FRUITS AND NUTS: Peach picking crept northward. Harvesting in Georgia was 62% finished, and South Carolina producers picked 26% of their crop. Cooler weather slowed fruit development in much of the northeastern half of the Nation. Tart cherry producers prepared to begin harvesting in Michigan.

Florida's citrus groves received beneficial rains. Trees had abundant new growth and new fruit was in good condition. Orange harvesting was winding down while grapefruit picking was virtually complete. The Texas pecan crop development continued slow. Spraying for casebearers was active. California growers harvested apricots, avocados, figs, table grapes, nectarines, peaches, and plums. Summer grapefruit picking increased while Valencia orange harvesting slowed.

VEGETABLES: A wide variety of early summer vegetables were harvested in northern producing areas. Cool temperatures slowed development in the East but showers improved moisture conditions in most areas. Florida's vegetable shipments declined 27% from the previous week. The marketing season was winding down for most vegetables. Watermelon cutting was active in northwestern areas. California and Texas producers continued harvesting a variety of crops. Harvesting of tomatoes for fresh market and processing gained momentum in California; canneries were preparing to open for the season.

PASTURES AND LIVESTOCK: Ranges and livestock were rated poor to fair in portions of Texas and the Southwest where dry conditions have persisted. Elsewhere, showers replenished soil moisture and pastures were generally in fair to good condition. Stockwater supplies were becoming short in some of these dry areas.

CROP PROGRESS

FOR WEEK ENDING JULY 1

	SOYBEANS % PLANTED		
	1984	1983	AVG.
ALA	89	85	95
ARK	91	89	88
GA	89	93	93
ILL	99	100	99
IND	100	99	98
IOWA	99	100	100
KANS.	95	90	80
KY	84	73	82
LA	99	89	94
MICH	100	100	100
MINN	98	99	99
MISS	92	77	91
MO	86	90	90
NEBR	100	100	100
N C	92	90	90
OHIO	100	100	98
S C	87	91	94
TENN	89	82	90
18 STATES	95	94	95

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

	SOYBEANS % BLOOMING		
	1984	1983	AVG.
ALA	6	7	6
ARK	0	0	0
GA	4	5	9
ILL	3	3	6
IND	0	0	0
IOWA	0	0	0
KANS	2	1	3
KY	0	0	2
LA	2	8	7
MICH	0	0	0
MINN	0	0	0
MISS	1	0	0
MO	0	0	0
NEBR	0	0	0
N C	0	0	0
OHIO	0	0	0
S C	0	0	0
TENN	0	0	0
18 STATES	1	1	2

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

	CORN % SILKING		
	1984	1983	AVG.
COLO	0	0	0
GA	83	80	87
ILL	0	0	2
IND	0	0	0
IOWA	0	0	0
KANS	0	0	0
KY	2	1	5
MICH	0	0	0
MINN	0	0	0
MO	0	0	5
NEBR	0	0	0
N C	28	18	38
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
VA	8	8	20
WIS	0	0	0
17 STATES	2	2	3

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

	SORGHUM % PLANTED		
	1984	1983	AVG.
COLO	95	93	94
KANS	95	85	90
MO	95	93	86
NEBR	100	100	100
OKLA	95	80	95
S DAK	79	98	98
TEX	99	96	98
7 STATES	96	92	94

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

	SORGHUM % HEADED		
	1984	1983	AVG.
COLO	0	0	0
KANS	0	0	0
MO	0	0	0
NEBR	0	0	0
OKLA	1	1	3
S DAK	0	0	0
TEX	55	59	59
7 STATES	19	20	21

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

	SPRING WHEAT % HEADED		
	1984	1983	AVG.
IDAHO	36	40	52
MINN	51	46	48
MONT	40	40	25
N D	23	28	28
S DAK	62	69	74
5 STATES	37	39	38

THESE 5 STATES PRODUCED 94% OF THE 1983 SPRING WHEAT CROP.

	RICE % HEADED		
	1984	1983	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	20	16	26
MISS	2	0	0
TEX	51	27	54
5 STATES	11	7	13

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

	WINTER WHEAT % HARVESTED		
	1984	1983	AVG.
CALIF	74	65	72
COLO	1	0	0
IDAHO	0	0	0
ILL	25	7	27
IND	9	7	12
KANS	25	4	30
MO	31	25	33
MONT	0	0	0
NEBR	0	0	0
OHIO	0	0	0
OKLA	90	50	80
OREG	0	1	0
S DAK	0	0	0
TEX	80	64	71
WASH	0	0	0
15 STATES	30	17	30

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

	WINTER WHEAT % HEADED		
	1984	1983	AVG.
CALIF	100	100	100
COLO	95	95	95
IDAHO	78	85	84
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MO	100	100	100
MONT	80	80	70
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	97	100	98
S DAK	95	98	100
TEX	100	100	100
WASH	83	100	99
15 STATES	97	98	98

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

	COTTON % SQUARING		
	1984	1983	AVG.
ALA	70	37	61
ARIZ	94	95	91
ARK	68	50	62
CALIF	65	45	62
GA	75	78	87
LA	48	32	55
MISS	73	53	74
MO	62	12	57
N MEX	64	8	46
N C	45	20	42
OKLA	0	10	5
S C	68	83	87
TENN	44	19	47
TEX	28	19	29
14 STATES	44	32	45

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

	COTTON % SETTING BOLLS		
	1984	1983	AVG.
ALA	4	1	5
ARIZ	55	60	53
ARK	4	0	8
CALIF	7	3	7
GA	20	16	45
LA	5	1	11
MISS	2	0	8
MO	0	0	0
N MEX	5	0	3
N C	7	6	7
OKLA	0	0	0
S C	28	23	34
TENN	0	0	0
TEX	10	7	13
14 STATES	10	7	12

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

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 SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall scattered 0.01 to 4.14 in. Temperatures 1 to 3° below normal.

Soil moisture very short to short south, short to adequate north. Fieldwork: 5.9 days. Corn silked 66%, 47% 1983, 66% average. Soybeans planted 89%, 85% 1983, 95% average. Soybeans blooming 6%, 7%, 6% average. Cotton squaring 70%, 37% 1983, 61% average. Cotton setting bolls 4%, 1% 1983, 5% average. Peanuts pegging 23%, 48% 1983, 31% average. Wheat harvested 92%, 63% 1983. Sorghum planted 88%. Activities: Planting soybeans and sorghum; cultivating field crops; controlling pests on fruit, vegetables and crops; harvesting wheat, vegetables and peaches; and routine care of livestock and poultry. Conditions: Corn, soybeans, sorghum and pasture, mostly fair; cotton, peanuts and livestock fair to good; wheat mostly good.

ALASKA: Week began with temperatures well above normal, midweek widespread clouds, rain and cooler temperatures.

ARIZONA: Monsoon arrived early as moist sub-tropical air spread over State on 25th. Hot, humid with afternoon, night showers, thunderstorms dominated weather remainder of week. Rainfall mostly over eastern two-thirds, amounts mostly 0.02 and 1.00 in. except locally over 1.50 in. over White Mountains, southeast. Amounts light over western one-third. Average temperatures varied from 2° below seasonal normals to 5° above.

Cotton 94° squaring, 95% last year, 91% average. Bolls setting on 55% acreage, 60% last year, 53% average. Squaring progress 95% in central, west 80% southeast. Alfalfa good, harvest at peak most areas. Demand good, good to excellent quality. Corn, sorghum good condition west. Corn generally below average central, southeast. Watermelon harvest active, high volume. Cantaloupe harvest full swing Gila, Parker areas, winding down in Yuma area. Honeydew harvest active in Parker area, getting started in Salt River Valley, Mohave areas. Grape picking winding down in Hyder, Yuma areas. Perlette harvest nearly complete. Thompson seedless, Flame seedless, other exotics started Salt River Valley, Harquahala area. Dry onion harvest complete Salt River Valley, started Willcox area. Low volumes green onions, mixed vegetables, chipper potatoes harvested. Lack of rain, dry windy conditions reduced soil moisture significantly. Late growth of cool season forage restricted, seasonal feed near eliminated. Stock water mostly insufficient. Cattle, sheep fair to poor. Light to moderate grasshopper infestation in Apache, Greenlee counties.

ARKANSAS: Temperatures up to 5° below normal. Rainfall spotty and light north and heavy south. Most rain 3.69 in., least 0. High 100°, low 51°.

Soil moisture adequate extreme south, short elsewhere. Days favorable for fieldwork 6.5. Crop progress moderate to slow. Rain needed badly. Rice good to fair. Cotton good to fair; squaring 68%, 50% 1983, 62% average; setting bolls 4%, 0 in 1983, 8% normal. Bollworm activity heavy southeast. Soybeans good to fair; planted 91%, 89% 1983, 88% average; emerged 83%, 80% 1983, 77% average. Wheat virtually harvested, same as average, 94% 1983.

Corn good; planted 94%, virtually finished 1983 and normal. Sorghum good condition. Pastures below average. Cattle good condition.

CALIFORNIA: Except for a few sprinkles on the north coast and a little drizzle from low clouds on the south coast, the normal summertime drought continues; no precipitation statewide. Almost without exception, weekly mean temperatures were above normal over the entire State. The San Joaquin Valley showed the greatest departure, averaging 6° warmer than normal. The south coast and the desert interior were right behind at 5° warmer than normal.

Cotton growth accelerated by ideal weather; crop 65% squared, 45% last year, 62% average; 7% setting bolls, 3% last year, 7% average. Rice weed control continues; 0% headed this year, last year, and average. Winter wheat 74% harvested, 65% last year, 72% average. Barley harvest virtually complete. Safflower blooming. Most dry beans planted, up, and growing well. Sugarbeets being weeded, irrigated, and treated for mildew. Corn growing vigorously. Alfalfa cutting in various stages over the State. Harvest continues; apricots, Haas avocados, Black Mission figs, Coachella Valley table grapes, nectarines, Freestone peaches, plums. San Joaquin Valley table grape harvest starting. Normal cultural practices active in vineyards. Summer grapefruit picking increasing, Valencia orange harvest slowing. Favorable weather. Artichokes light supply, variable quality central coast. Broccoli moderate supply, generally good quality Salinas-Watsonville, Santa Maria. Cantaloupe harvest continues Firebaugh, Huron, good sugar content. Harvest winding down desert. Mixed melon harvest to begin shortly San Joaquin. Desert harvest continues. Carrot supply fairly light good quality central coast. Cauliflower moderate supply generally good quality Salinas-Watsonville area, supply light Santa Maria. Celery harvest continued light, supplies both Salinas, Santa Maria. Quality good. Sweet corn harvest continues, good quality San Joaquin Valley. Harvest practically complete desert, Coachella Valley. Cucumber, garlic harvests continue. Lettuce moderate supply, quality variable coastal producing areas. Onion harvest active San Joaquin. Spring potato harvest active Kern district. Fall potatoes slightly behind normal Tulelake-Butte Valley. Summer potato harvest beginning. Harvest market tomatoes active south coast, San Joaquin. Processing tomatoes ripening fast, San Joaquin harvest begin next week. Canneries begin first week of July. Early fields Sacramento Valley showing color. Harvest Riverside slowed cool weather. Rains northern mountain districts benefit summer pastures. Lower elevation ranges extremely dry. Brush fires increasing. Grasshopper infestation continues problem. Some supplemental feeding underway.

COLORADO: Isolated thundershowers most days. Showers mostly east of the continental divide with 1.13 in. of rain in the northeast. Temperatures mostly 1 to 3° above normal.

Crops progressing well, but most areas have a shortage of topsoil moisture. Farmers averaged over 6.0 days of fieldwork. Winter wheat 95% headed, the same as 1983 and average; 46% has turned color; 1983, 43%; normal, 69%. Harvest started in the southeast. All corn emerged, and

averages 19 in. in height; 1983, 15 in. normal, 17 in. The sorghum crop 95% planted; 1983, 93%; normal, 94%. Sorghum, 88% emerged; 1983, 78%; average, 80%. All potatoes emerged. Alfalfa first cutting at 75%; 1983, 64%; average, 69%. Barley 68% headed; 1983, 46%; normal, 58%. Dry beans, 97% planted; 1983, 99%; average, 98%.

FLORIDA: A rather weak high pressure system with warm, very moist tropical air dominated entire State. Showers, thunderstorms at day or night prevailed with rainfall varying from a few tenths to over 4.00 in. Outside rain areas, afternoon highs were in low to mid 90's while nighttime lows continued to range from near 70° to mid 70's. Afternoon highs in rain areas mostly in mid 80's.

Soil moisture improved considerably in most areas, surplus in some counties. Corn benefitted from rainfall but condition only fair. Irrigated corn good condition. Silage cutting active. Tobacco harvest increased as more areas began harvest. Late soybean planting continued, earlier beans good condition. Peanuts good condition, green peanut harvesting active several areas. Sugarcane growing rapidly. Hay making hindered by frequent thunderstorms. Pastures benefitted greatly from rains; generally good condition. Cattle continue to improve; mostly good condition. Rain improved citrus grove condition. Abundance of new growth on healthy trees. New crop fruit good condition. Orange harvest in last few million boxes. Grapefruit harvest all but over. Caretakers very busy with summer cultural practices. Hot days, warm nights prevailed vegetable areas. Scattered showers occurred many areas early to midweek, becoming more frequent end of week. Some thundershowers locally heavy. Overall shipments declined 27% from previous week. Marketing season winding down, most vegetable crops. Cutting continued Zellwood area. Some growers completed harvest. Tomato harvest active Gadsden County. Eggplant, pepper harvest continued but volume in July light. Most other crops ending harvest for season.

GEORGIA: Week began dry but considerable rain last half. Most stations near 1.00 in. but some near 4.00 in. Temperatures warm first of week with highs in 80's extreme north to 90's elsewhere. Cooled to 80's last of week. Overnight lows in 60's. Average temperatures below normal. Rainfall totals above normal.

Soil moisture 3% surplus, 33% adequate, 40% short, 23% very short. Average days suitable for fieldwork: 5.3. Main activities: haying, planting, harvesting, and spraying for insects and weeds. Corn 83% silked, 80% last year, 87% average; dough 55%, 37% last year, 57% average; dent 20%, 12% last year, 29% average; mature 5%, 1% last year, 5% average; condition 4% excellent, 30% good, 44% fair, 19% poor. Cotton 75% squaring, 73% last year, 87% average; setting bolls 20%, 15% last year, 45% average; condition 58% good, 38% fair, 4% poor. Peanuts 84% blooming, 84% last year, 90% average; pegging 46%, 50% last year, 64% average; condition 5% excellent, 58% good, 35% fair. Soybeans 89% planted, 93% last year and average; blooming 4%, 5% last year, 9% average; condition 53% good, 39% fair, 6% poor. Sorghum 84% planted, 86% last year and average; condition 49% good, 46% fair. Tobacco 11% harvested, 8% last year, 19% average; condition 71% good, 27% fair. Watermelons 20% harvested, 11% last year, 34% average; condition 42% good, 46% fair, 8% poor. Wheat 96% harvested, equal last year and average. Peaches 62% picked, 68% last year, 63% average; condition 57% good, 38% fair. Apples 6% excellent, 46% good, 46% fair. Pastures 28%

good, 50% fair, 19% poor. Hay crops 36% good, 40% fair, 19% poor. Cattle 53% good, 42% fair, 5% poor. Hogs 64% good, 33% fair.

HAWAII: Most areas of the State continued to experience dry conditions. Light to moderate showers did fall in some windward and low lying sections between periods of frequent sunshine.

Irrigation and spraying was heavy in those areas that received little or no rainfall. Crops in the major vegetable growing regions in fair to good condition. Some heat related damage was reported, but losses minor. Production of head cabbage and head lettuce will be heavy. Output of Chinese cabbage will be moderate. Most other vegetable supplies will be light. Banana production light to moderate while papaya production moderate. Watermelon planting continuing.

IDAHO: An upper level high pressure system brought warm, dry conditions to the State. Spotty showers dotted the southern half of the State. Amounts ranged from zero to 0.19 in. In north precipitation was light. Sandpoint received the most with 0.29 in. High temperatures in the 90's and 100's during midweek contributed to above normal averages. Departures ranged from 1 to 6° above normal statewide.

Corn development advanced as 6.6 days were suitable for fieldwork. Winter wheat advance to 78% headed versus 85% last year and 84% average. Spring wheat headed was 36%, 40% last year and 52% average. Spring barley reached 23% headed versus 40% last year. Potatoes were virtually all emerged. Sweet cherry harvest was just underway and the first cutting of alfalfa was 64% complete, equal to last year.

ILLINOIS: Temperatures normal to 5° below normal. Precipitation, none to 0.40 in.

Soil moisture 60% adequate, 1% surplus, 39% short. Days suitable for fieldwork: 6.0. Average height of all corn 33 in., last year 28 in., average 37 in. average. Height of most advanced fields 48 in., last year 45 in., average 53 in. Corn condition 22% excellent, 66% good, 11% fair, 1% poor. Soybeans planted 99%, last year 100%, average 99%. Soybean condition 3% excellent, 60% good, 31% fair, 6% poor. Wheat condition 9% excellent, 53% good, 25% fair, 13% poor. Winter wheat turning yellow 94%, last year 95%, average 99%; ripe 70%, last year 62%, average 80%; harvested 25%, last year 7%, average 27%. Oats filled 80%, last year 66%, average 78%; turning yellow 30%, last year 27%, average 30%; ripe 7%, last year 2%, average 6%. Oat condition 13% excellent, 63% good, 22% fair, 2% poor. Sorghum grain planted 95%, last year 92%, average 94%. Alfalfa condition 33% excellent, 62% good, 5% fair; second crop cut 25%, last year 19%, average 30%. Red clover condition 19% excellent, 69% good, 11% fair, 1% poor; crop cut 90%, last year 90%, average 89%. Pasture condition 20% excellent, 59% good, 20% fair, 1% poor.

INDIANA: Temperatures averaged a few degrees below normal. Highs upper 70's north to the low 80's south. Lows mid 50's to 60. Growing degree day accumulations below normal for week. Precipitation light and variable. Totals from 0.00 to 0.84 in.

Fieldwork averaged 5.7 days. Topsoil moisture short to mostly adequate, subsoil moisture short to mostly adequate. Soybeans 100% planted, 1983 99%, average 98%. Soybeans 97% emerged, 1983 97%, average 97%, soybeans 8 in. tall, 1983 6 in., average 8 in. Soybeans 0% bloomed, 1983

0%, average 0%. Soybean condition fair to good. Corn 29 in. tall, 1983 22 in., average 30 in. Corn 0% silked, 1983 0%, average 0%. Corn condition fair to mostly good. Wheat 100% headed, 1983 100%, average 100%. Wheat condition fair to mostly good. Wheat 9% harvested, 1983 7%, average 12%; wheat 95% turning color. Wheat 25% ripe, 1983 25%. Alfalfa 25% cut second time, average 20%. Tobacco plants 98% set, 1983 97%.

IOWA: Dry week, temperatures slightly below normal.

Days suitable for fieldwork: 5.7. Corn cultivated 80% complete, 80% last year; 88% normal. Corn crop condition 15% excellent, 47% good, 33% fair, 5% poor to very poor. Soybean planting virtually complete. Soybean emerged 97% complete, 99% last year, 98% normal. Soybean acreage cultivated, 50% complete, 51% last year. Soybean crop condition 5% excellent, 43% good, 43% fair, 9% poor to very poor. Oat crop condition 13% excellent, 63% good, 20% fair, 4% poor. Oat acreage headed, 90% complete, 71% last year, 89% normal. Turning color 10% complete, 5% last year. Winter wheat crop condition 7% excellent, 56% good, 30% fair, and 7% poor to very poor. First crop of alfalfa harvested 85% complete, 89% last year, 96% normal. First crop of clover harvested 63% complete, 66% last year, 77% normal. Hay crop condition 24% excellent, 58% good, 15% fair, 3% poor to very poor. Topsoil moisture conditions 19% surplus, 78% adequate, 3% short. Subsoil moisture conditions 46% surplus, 54% adequate. Pasture condition 36% excellent, 53% good, 8% fair, 3% poor to very poor.

KANSAS: Precipitation averaged 0.10 in. northwest, 0.20 in. west central and 0.40 to 0.90 in. elsewhere. Temperatures averaged 77 to 79° west central, southwest and south central and 73 to 76° elsewhere. These were normal for the northeast, 1 to 2° above normal west and 1 to 4° below normal elsewhere.

Wheat condition good to excellent, fair northwest. Moisture short to adequate west, surplus northeast, adequate elsewhere. Wheat 100% headed, 100% last year, 100% average; 25% harvested, 4% last year, 30% average. Light levels of take-all, tan spot and strawbreaker diseases. Sorghum 95% planted, 85% last year, 90% average; 0% headed, 0% last year, 0% average. Light to moderate number greenbugs. Soybeans 95% planted, 90% last year, 80% average; 2% blooming, 1% last year, 3% average. Corn 0% silking, 0% last year, 0% average. Alfalfa hay second cutting 25% complete. Pasture and rangeland good to excellent. Days suitable for fieldwork: 5.0. Replanting sorghum and soybeans in previously flooded areas, especially northeast.

KENTUCKY: A break from summer heat and humidity. Temperatures averaged from near normal to 2 to 3° below normal. Daily highs ranged from mid-80's to around 90°, while overnight lows dipped into 50's. Precipitation continued widely scattered most areas remaining very dry. Heaviest precipitation was concentrated in southeast where isolated areas received over 2.00 in.

Days favorable for fieldwork averaged 5.6 out of 6.0. Soil moisture 70% short, 30% adequate. Primary activities harvesting wheat and hay, planting double crop soybeans, and cultivating tobacco. Early corn beginning to tassel with 2% silking compared with 1% last year and 5% on average. Condition of corn fair to good, some showing dry weather stress and a general rain

needed. Soybeans 84% planted, 73% last year and 82% average. Average height of emerged soybeans 6 in. with earliest plants about ready to bloom. Tobacco fair to good condition with 5% of plants over 2 ft. and 30% 1 to 2 ft. in height. Wheat harvest 50% complete, 36% last year, 61% average. Pasture condition deteriorating.

LOUISIANA: Average temperatures ranged from 2° below to 2° above normal. High 98°, low 57°. Weekly precipitation ranged from .05 to 6.39 in.

Soil moisture short northwest, surplus southeast coastal parishes, adequate elsewhere. Days suitable for fieldwork: 4.0. Activities included harvesting peaches, vegetables, hay and wheat. Fertilizing pastures, applying herbicides, planting soybeans and sweetpotatoes. Preparing fallow sugarcane acreage. Rice headed 20% 1984, 16% 1983, 26% average. Corn silked 87% 1984, 77% 1983, 84% average; dough stage 54% 1984, 30% 1983, 49% average; mature 2% 1984, 4% 1983, 12% average; condition good. Cotton squaring 48% 1984, 32% 1983, 55% average; setting bolls 5% 1984, 1% 1983, 11% average; condition good. Soybeans planted 99% 1984, 89% 1983, 94% average; emerged 95% 1984, 84% 1983, 89% average; blooming 2% 1984, 8% 1983, 7% average; condition good. Sorghum headed 40% 1984, 18% 1983, 29% average; condition good. Sweetpotatoes planted 97% 1984, 88% 1983, 94% average; condition good. Sugarcane condition fair to good. Wheat harvested 100% 1984, 96% 1983, 98% average. Vegetable condition fair to good. Harvest active. Peaches harvested 37% 1984, 35% 1983, 52% average; condition good. Hay first cutting 97% 1984, 87% 1983, 90% average. Pasture and livestock condition fair to good.

MARYLAND AND DELAWARE: Maryland: Temperatures averaged near normal to 3° below normal. Rainfall averaged 0.80 in. statewide, ranging from 1.14 in. in west to 0.54 in. on the lower shore.

Small grains remain in mostly good condition. Wheat and oats completed turning. Barley harvest was 65% complete, last year 85%. Wheat and oats 25% harvested, equal to last year. Rye harvest 50% last year 65%. Soybean planting 90%, 1983 75%, average 85%. Tobacco 95% transplanted; 1983 90%; average 95%. Green pea harvest 90%; 1983 75%. Snapbeans 25% harvested; 1983 20%. Cucumbers 15% harvested; 1983 5%. First cutting of other hay complete, last year 90%. Second cutting of other hay 10%; equal to 1983. Alfalfa cut twice 25%; 1983 15%.

Delaware: Second week with below normal temperatures and rain. Temperatures averaged 1 to 3° below normal. Rainfall averaged 0.80 in. with heavier totals north.

Wheat and rye completed turning. Barley harvest 90% complete; 100% last year. Wheat harvest 20%; 30% 1983. Soybeans planted 80%; equal to 1983 but behind the average 85%. Green pea harvest 75%; 1983 55%. Snap bean harvest 10%; zero last year. Cucumbers 5% picked, zero 1983. First cutting of other hay completed, equal to last year. Second cutting of other hay at 35% is well ahead of last year's zero, and about a week ahead of the normal pace. Second cutting alfalfa hay is 35% complete; equal to the average.

MICHIGAN: Temperatures averaged 3° below normal. Dry conditions prevailed over the lower Peninsula, while moderate amounts of rain fell over the upper Peninsula. Much of the southern lower Peninsula is now experiencing a drought.

Fieldwork active with haying and cultivating dominating farm activities. Statewide 6.0 days were suitable for fieldwork. Soil moisture supplies becoming short in southern counties. Soybean planting 100% complete, 100% last year, 100% average. Soybean 0% blossomed, 0% last year, 0% average. Corn 0% silking, 0% last year, 0% average. Dry beans 95% planted, 95% last year, 96% average. Winter wheat 25% yellowing, 20% last year, 32% average. Oats 40% headed, 30% last year, 51% average. First cutting, all hay 80% complete, 75% last year, 78% average. Strawberries 65% picked, 55% last year, 70% average. Vegetable crops being irrigated. Tart cherry harvest expected to start in southwest counties on July 9.

MINNESOTA: Rains diminished during the week allowing the soil to begin drying out. Temperatures averaged 10 below normal to 20 above normal. High: 92°, low: 39°. Precipitation averaged near normal in the northwest and from 0.27 to 1.04 in. below normal elsewhere. Greatest weekly total: 1.34 in.

Dry sunny weather improved crop conditions and allowed farmers to resume interrupted field activities. Replanting was active on drowned out or hailed out spots. Field corn has recovered well from effects of wet spell. Soybeans were slower to improve. Days suitable for fieldwork: 4.6. Topsoil moisture: 70% adequate, 30% surplus. Corn condition: 51% poor to fair, 49% good to excellent. Soybean condition: 56% poor to fair, 44% good to excellent. Jointing: Spring wheat 91%, 1983 88%, normal 83%; oats 95%, 1983 90%, normal 88%; barley 93%, 1983 91%, normal 83%. Heading: Spring wheat 51%, 1983 46%, normal 48%; oats 68%, 1983 51%, normal 57%; barley 67%, 1983 56%, normal 55%. Height: Field corn 21 in., 1983 16 in., normal 18 in.; soybeans 7 in., 1983 7 in., normal 7 in.

MISSISSIPPI: Scattered rainfall the latter part of the week. Average temperatures slightly below normal, extremes 55 and 101°. Greatest 24-hour rainfall 2.78 in.

Soil moisture short. Fieldwork 5.6 days suitable, 2.0 1983, 4.2 average. Main activities insect and weed control measures. Cotton condition good to fair; 73% squaring, 53% 1983, 74% average; 7% blooming, 1% 1983, 20% average; 2% setting bolls, 0% 1983, 8% average. Soybeans fair; 92% seeded, 77% 1983, 91% average; 1% blooming, 0% 1983 and average. Rice good; 2% heading, 0% 1983 and average. Sorghum fair to good; 7% heading. Corn fair; 50% silking, 33% 1983, 56% average; 20% dough stage, 9% 1983; 7% dented. Peach condition good; 40% harvested, 27% 1983, 32% average. Hay harvest 37% completed; watermelon harvest 11%; wheat harvested 96%; corn silage harvest 2%.

MISSOURI: Temperatures averaged 4° below normal, ranging from normal at Cairo to 7° below normal at Kansas City. Rainfall averaged less than 0.50 in. with the highest amount for the week 1.40 in. at Kirksville. Days suitable for fieldwork: 5.3. Cotton 62% squaring this year, 12% last year, 57% normal. Cotton setting bolls 0% this year, last year and normal. Grain sorghum planted 95% this year, 93% last year, 86% normal. Sorghum headed 0% this year, last year and normal. Winter wheat headed 100% this year, last year and normal. Winter wheat harvested 31% this year, 25% last year, 33% normal. Soybeans planted 86% this year, 90% last year, 90% normal. Soybeans blooming 0% this year, last year and normal. Corn silked 0% this year and last year, 5% normal. Alfalfa 2nd

cutting 10% this year, 25% last year, 31% normal. Other hay harvested 61% this year, 73% last year. Topsoil moisture supply, 17% surplus, 64% adequate, 19% short. Pasture condition 13% excellent, 61% good, 25% fair, 1% poor. Condition of corn 4% excellent, 55% good, 40% fair, 1% poor. Condition of soybeans 2% excellent, 45% good, 49% fair, 4% poor. Condition of sorghum 1% excellent, 55% good, 42% fair, 2% poor. Cotton 12% excellent, 38% good, 38% fair, 12% poor.

MONTANA: Very warm, dry week. Temperatures averaged 2 to 8° above normal, maximum temperatures in 90's and 100's. Very hot on 29th with 20 to 30° cooler temperatures on 30th. Precipitation statewide none to less than 0.10 in.

Topsoil moisture mostly short central and north central, short to adequate elsewhere. Crops condition fair to good. Crop progress compared with last year and average: Winter wheat headed 80, 80, 70; turning color 10, 10, 5; spring wheat headed 30, 40, 25; barley headed 30, 35, 20; oats headed 25, 30, 20. Alfalfa hay 30% cut, last year 45, average 35. Range feed supplies mostly short central, north central and northeast, short to adequate elsewhere.

NEBRASKA: Precipitation averaged 0.10 in. in Panhandle, 0.50 in. over remainder of State except for southeast with 0.80 in. Temperatures averaged near normal statewide.

Corn condition rated mostly good to fair. Winter wheat condition rated mostly fair to good; 85% of wheat turning color, 60% last year, 80% average, 40% wheat ripe, 3% last year, 25% average, 0% wheat harvested, 0% last year, 6% average. Alfalfa rated mostly good to fair condition. First cutting 98% harvested, 96% last year, 100% average. Second cutting 5% harvested, 15% last year and average. Soybean and sorghum condition both rated mostly good to fair with planting nearing completion. Topsoil moisture mostly adequate to short. Subsoil moisture was mostly adequate to surplus. Days suitable for fieldwork were 6.2.

NEVADA: Temperatures averaged slightly above normal northwest, well above remaining areas. Precipitation light northwest, moderate northeast, significant rainfall southern areas late in period. Range fires burned considerable acreages central areas.

Alfalfa hay harvest gaining momentum northern sections. High daytime temperatures ideal for curing and baling hay. Higher night temperatures favorable all crops. Ranges starting to show effect high temperatures.

NEW ENGLAND: Precipitation well above normal over Rhode Island, eastern Massachusetts and into southern New Hampshire and Maine; the remainder of New England was drier than average. Temperatures were near normal during the week. Highest readings were in the mid 80's.

Potatoes 99% emerged. Field corn planting and replanting completed, 90% emerged. First cut hay 65% complete. Strawberry harvest active. Quality and quantity excellent. Cranberry bloom heavy, 50% open blossoms, conditions optimum.

NEW JERSEY: Temperatures averaged near normal. Extremes were 44° on the 27th and 92° on the 28th. Weekly rainfall averaged 1.73 in. north, 1.57 in. central and 0.41 in. south. The heaviest 24-hour total was 1.62 in. on the 28th to 29th. Estimated soil moisture, in percent of field capacity, averaged 88% north, 63% central

and 60% south. Four inch soil temperatures averaged 71° north, 74° central and 76° south.

Fieldwork: 6.5 days suitable. Fieldwork progressed well during the period. Vegetable harvest increasing from the spring planted acreage. Combining of barley and wheat increasing. Hay making active as weather conditions permit. Pastures growth good. Strawberry harvest complete except for northern areas. Blueberry harvest increasing. Peaches and apples sizing well but fruit set are vaired. Potatoes in bloom, prospects good. Soybean planting continues following small grain harvest.

NEW MEXICO: Temperatures above normal. Rainfall brought year to date totals near or above normal.

Wheat, barley, alfalfa, onion harvests slowed by rain. Sorghum planting nearly complete. Cotton progress good. Potato digging to begin this week. Ranges showing tremendous improvement. Livestock in good condition. Cotton squaring: 64%, last year 8%, average 46%. Cotton setting bolls: 5%, last year 0%, average 3%.

NEW YORK: Two cool fronts crossed during the week. The later one stormed over the lower Hudson Valley on 29th and 30th resulting in some heavy rains and thunderstorms throughout east. On Long Island there was widespread heavy rain and New York City had about 6.00 in. of rain in just a few hours on 30th. Rainfall was variable over all State due to the showery nature of the precipitation. Temperatures in all areas were at seasonable levels.

Hay: Alfalfa 71% complete, Clover-timothy 52% complete, silage 64% complete.

NORTH CAROLINA: Temperatures near normal in the east, 2 to 4° below normal in the west. Precipitation amounts varied from 0.53 to 2.78 in.

Soil moisture: 8% very short, 37% short, 50% adequate, 5% surplus. Days suitable for fieldwork: 5.6. Condition: Corn 10% poor, 44% fair, 44% good, 2% excellent. Cotton 39% fair, 61% good. Peanuts 59% fair, 41% good. Soybeans 43% fair, 57% good. Peaches 20% fair, 65% good, 15% excellent. Plantings: Tobacco 100%, 1983 97%, average 100%. Sorghum 85%, 1983 90%, average 89%. Soybeans 92%, 1983 90%, average 90%. Harvested: Wheat 84%, 1983 64%, average 80%. Oats 90%, 1983 78%, average 87%. Barley 95%, 1983 82%, average 90%. Rye 88%, 1983 76%, average 86%. Peaches 47%, 1983 49%, average 44%. Irish potatoes 74%. Major farm activities: Harvesting small grains, planting soybeans and sorghum, haying, cultivating crops, topping and suckering tobacco, spraying chemicals, harvesting vegetables and peaches.

NORTH DAKOTA: North central and northeastern districts received about 0.50 in. of moisture. Remainder of State averaged less than 0.25 in. Temperatures were above normal across entire State. The northwestern district averaged 3.6° above normal and was the area with the greatest deviation from normal. Highest temperatures recorded 93°, lowest 42°.

Crops mostly good to excellent condition. Most small grain development near to slightly ahead of normal and unusually uniform. Durum development behind normal due to dry conditions early in the season. Row crop development also near normal. Percent heading or beyond compared to last year and average: Hard red spring wheat 23, 28, 28; durum 12, 13, 20; barley 38, 34, 35; and oats 18, 27, 30. Topsoil moisture conditions better than average. Specifically 28% short, 70% adequate and 2% surplus. Normally, 35% short,

62% adequate and 3% surplus. Farmers haying, spraying, working summer fallow and cultivating row crops. Moist conditions promoting leaf diseases. Sunflower beetles and grasshoppers causing significant damage in several areas.

OHIO: Temperatures 1 to 3° below normal. Extremes from 43 to 90°. Precipitation totals 0.50 to 0.80 in. below normal. No rain reported at some locations in the northeast. Most areas under 0.25 in.

Soil moisture 71% short, 28% adequate, 1% surplus; 6.0 days suitable for fieldwork. Main activities cultivating, spraying, finishing first-cutting hay. Corn condition fair to good; average 10 leaves fully emerged. Winter wheat ripe 15% 1984, 20% 1983, 20% average; harvested 0% 1984, 1983, average. Soybeans planted 100% 1984, 100% 1983, 98% average; condition fair. Pastures fair to good condition.

OKLAHOMA: Temperatures averaged 1° above normal south central to 3° below normal north central and northeast. Precipitation averaged 0.40 in. northeast to 1.84 in. central.

Generally favorable weather supported wheat harvest. Showers delayed harvest but sunshine and hot winds quickly dried fields. Yields and test weights higher than earlier anticipated in west. Weeds in uncut fields present problem to many growers. Rain still needed east and southwest for row crops. Wheat good, pastures good to fair, and livestock good condition. Wheat harvested: 90%; 50% 1983, 80% average. Sorghum planted: 95%, 80% 1983, 95% average. Sorghum headed: 1%, 1% 1983, 3% average. Cotton squaring: 0%, 10% 1983, 5% average.

OREGON: Temperatures were 3 to 6° above normal north; 4 to 7° above average south. Precipitation heavy in northwest, amounts averaged 0.60 in. inland and 1.00 in. along coast. Other locations received less than 0.10 in.

Winter wheat condition good to excellent for entire State. Crop 97% headed, 100% in 1983, 98% average; none harvested. Rod weeding, summer fallow, and fertilizing main field activities. Harvest will be late due to cool weather. Rains again interrupted haying and caused slow drying. Swathing of early grass seeds started. Tansy starting to bloom. Soil moisture generally good, some areas starting to dry up. Strawberry harvest continues, berries good quality, low yields. Cherry picking began, raspberry harvest underway at lower elevations. At Hood River, thinning of apples and Bartlett pears, sprays for Psylla being applied. Peaches being thinned in Willamette Valley. First spraying for worms on filberts. Cranberries blooming along coast. Vegetables in Willamette Valley developing well, most plantings complete. Pea progressing in Umatilla County. Sweet corn and melons growing well with increased temperatures. Central area potatoes look good, crop behind normal due to cool weather. Malheur County potatoes and sugarbeets laid by. Recent warmer temperatures encourages grass growth in pasture and range lands.

PENNSYLVANIA: Beginning and ending of week very wet and cool. Midweek normal temperatures with scattered showers and thundershowers. Average temperature of 67° was 2° below the normal. Precipitation average of 1.98 in. was just over 1.00 in. above the normal. Heaviest precipitation occurred in the northeast and southeast quadrants of the State.

Days suitable: 4.0. Moisture adequate to surplus. Activities: planting tobacco, soybeans, cabbage, tomatoes; making hay,

haylage; sike dressing corn; spraying potatoes, hay, and corn; harvesting barley, sweet cherries, strawberries, shell peas. Tobacco transplanting 92% complete, last year virtually complete. Soybeans 94% planted, last year 87%. Barley 13% headed, 49% turning yellow, 17% ripe, 21% harvested, last year 20% headed, 39% turning yellow, 21% ripe, 13% harvested. Wheat 56% headed, 28% turning yellow, 11% ripe, last year 62% headed, 35% turning yellow, 6% ripe. Average corn height 14 in. First cut alfalfa 80% complete, same as last year. First cut clo-tim 68% complete, same as last year. Quality of hay mostly fair to good. Feed from pastures mostly average to above average.

PUERTO RICO: Island average rainfall 0.28 in. or 0.91 in. below normal. Highest weekly total 2.12 in. Highest 24-hour total 1.95 in. Temperatures averaged about 81° on coasts and 76° interior divisions. Mean station temperature ranged from 83.4 to 68.5°. Extremes 95 and 57°.

SOUTH CAROLINA: Weather during week cooler than usual. Temperatures averaged 1 to 4° cooler than normal. Rainfall became widespread late in week. Precipitation heaviest through central areas.

Soil moisture short to adequate. Days available for fieldwork: 5.1. Corn condition fair, some still stressed. Cotton condition fair to good: 68% squaring, 83% last year, 87% average. Late soybean planting continuing: condition fair to good. Wheat harvest virtually over. Tobacco condition fair to good; 3% harvested, last year n/a, 9% average. Peach harvest continues to progress; 26% harvested, 30% last year, 32% average. Melons harvest in full swing. Small grain harvest complete.

SOUTH DAKOTA: Average temperatures were up to 3° below normal except in the northwest which was up to 5° above normal. Extremes: 96 and 41°. In the Black Hills the low was 34°. Precipitation was widely scattered and light.

Days suitable for fieldwork: 4.0. Topsoil moisture was adequate over most of the State. Surplus amounts were still reported in the east central and southeast, and a shortage was reported in the south central and northwest. Subsoil moisture was also reported adequate over most of the State. Surplus amounts in the southeast were not as widespread as for topsoil moisture. A shortage was reported in the south central and northwest. Haying, cultivating and late planting were the main activities. Spring wheat headed 62%, 1983 69%, average 74%. Sorghum planted 79%, 1983 98%, average 98%. Sorghum headed 0%, 1983 0%, average 0%. Winter wheat headed 95%, 1983 98%, average 100%. Winter wheat harvested 0%, 1983 0%, average 0%. Corn silking 0%, 1983 0%, average 0%. Corn silking 0%, 1983 0%, average 0%.

TENNESSEE: A high pressure system prevailed through midweek followed by a low pressure system and associated cold front the latter portion of the week. Temperatures averaged in the 70's and were 2 to 5° below normal. Rain fell the latter part of the week and some significant amounts were received in areas of the east.

Farmers averaged 6.0 days suitable for fieldwork. Soil moisture: 36% adequate, 42% short, 22% very short. Corn tasseling: 13%, 1983 8%, average 16%. Cotton squaring: 44%, 1983 19%, average 47%. Soybeans planted: 89%, 1983 82%, average 90%. Sorghum planted: 86%, 1983 n/a, average n/a. Wheat ripe: 100%, 1983 96%, average 90%. Wheat harvested: 75%, 1983 63%,

average 75%. Alfalfa hay - 2nd cutting: 75%, 1983 49%, average 69%. Pastures and livestock in good condition.

TEXAS: Partly cloudy humid weather covered the State first half of week. Thunderstorms from the Coastal Plains to Panhandle developed nearly stationary front from mid-coast to High Plains. On 28th, rainfall North Texas. Showers, thunderstorms less intensity dampened South Plains, Upper Coast. Cool front on 29th, 30th, showers, thunderstorms developed along path. Highs in 80's and 90's few low 100's Big Bend Valley, Lower Rio Grande Valley. Temperatures averaged above normal. Rainfall amounts above normal in Lower Valley, trace elsewhere.

Crops: State dominated various weather conditions throughout week; northern half widely scattered showers, southern half hot, dry conditions. Crops progressed well where showers previously received. Elsewhere, additional showers needed help crops make normal progress. Sorghum planting progressed High Plains between rain showers. Some washing later planted fields prompted replanting. Early fields good stands. Cross Timbers, early heading resulted lack moisture, low yields expected. Blacklands, midge, headworms increased. Crop rapidly turning color. Harvesting picked up South Texas, Coastal Bend. Harvesting Rio Grande Valley progressed well under clear conditions. Good yields reported. Corn continues varying stages growth and condition across State. Plains, rain showers helped crop good growth. Fair to poor conditions central and southern portions of State. Southwestern part State, corn early dent stage. Statewide, corn condition 70% of normal, compared with 82% a year ago. Reported condition 7% excellent; 45% good; 31% fair; 16% poor; and 1% failure. Wheat harvest picked up between rain showers Plains on both irrigated and dryland fields. Yields both types proving better than early expectations. Weeds problem due additional rainfall. Harvesting should begin winding down soon, weather permits continued rapid progress. Statewide reported condition 62% of normal, compared with 86% a year ago. Reported condition 8% excellent; 26% good; 41% fair; and 25% poor. Cotton planting continued Plains region, where weather permitted. Planting near completion, operations proceeded rapidly after good rain showers. Cultivation begun. Squaring continues most earlier planted fields. Blacklands, bollworm populations increased many fields. Boll setting continues. Cotton southern region opened, looks good present. Good growth Trans-Pecos, light bollworm infestations. Irrigation Rio Grande Valley. Peanut planting picked up again recent showers providing adequate planting moisture. Showers helped planted fields come up to good stands. Good progress High Plains.

Cotton planted 99% 1984, 99% 1983, 99% average; squaring 28% 1984, 19% 1983, 29% average; setting bolls 10% 1984, 7% 1983, 13% average; open bolls 0% 1984, 0% 1983, 1% average. Rice headed 61% 1984, 27% 1983, 54% average; turning color 11% 1984, 1% 1983, 5% average. Sorghum planted all purposes 99% 1984, 96% 1983, 98% average; headed 55% 1984, 39% 1983, 59% average; turning color 43% 1984, 34% 1983, 39% average; mature 25% 1984, 9% 1983, 15% average; harvested for grain 3% 1984, 1% 1983, 3% average. Wheat harvested for grain 80% 1984, 64% 1983, 71% average. Oats harvested for grain 85% 1984, 83% 1983, 87% average. Peanuts planted 89% 1984, 86% 1983, 90% average. Soybeans planted 99% 1984, 94% 1983, 86% average. Sunflowers planted 94% 1984, 88% 1983, 86% average.

Commercial vegetables: Rio Grande Valley, fair volumes tomatoes, squash, peppers, okra. Light insect problems. Summer harvest winding down soon. San Antonio-Winter Garden, harvest onions winding down. Irrigated watermelon harvest continues. East Texas, watermelon planting underway. Harvesting, treating insects main activities on summer vegetables. Trans-Pecos, onion harvest delayed reoccurring showers. Growth cantaloups currently excellent. High Plains, most vegetables progressing well. Onion harvest begun Knox-Haskell area. Harvest Freestone peaches begun, good quality reported. However, sizes are small. Pecan development continues slow, short crop native varieties expected. Spraying second generation casebearers continues.

Range and livestock: Rain allowed pastures, ranges Plains, Trans-Pecos make good growth throughout week. Cattle continue culled stressed areas Cross Timbers. Some cases prussic acid poisoning in this area. Livestock adequate moisture areas good conditions. Elsewhere, stock tanks low, livestock fair to poor condition.

UTAH: Widely scattered thunderstorms left light to heavy precipitation at isolated stations. Maximum temperatures averaged 40° above normal, ranging 30° below to 70° above. Week's evaporation was highest this year—averaging about 2 in. northern and 3 in. southern parts of State. Days available for fieldwork: 6.5. Winter wheat virtually all headed out. Barley 56% headed, spring wheat 34%, and oats 30%. Corn planted and up, most about one foot high. Alfalfa hay first crop 76% complete. Livestock movement to summer range 87 to 89% complete. Most in good to excellent condition. Water supplies adequate. Soil moisture on unirrigated pastures and ranges considered short to adequate.

VIRGINIA: Cool at beginning warming in midperiod then cooling again at end. Rainfall in mid and late period averaged about 1.00 and 1.50 in. Most was 2.70 in. in the west and least around 1.50 in. in the southeast. Temperatures averaged near normal.

Continued dry conditions stressed crops through most of week. Topsoil moisture ratings were 84% short, 16% adequate but widespread rain on 27th probably improved conditions considerably. Dry weather allowed 5.7 days suitable for fieldwork. Corn growth slow due to drought and crop in fair condition with 8% in silk, 8% last year, 20% average. Soybeans in good condition, planting of double crop soybeans active. Soybeans 84% planted, 82% last year, 86% average. Tobacco in good to excellent condition with some farmers irrigating. Burley tobacco transplanting now virtually complete. Harvest of flue tobacco beginning in some areas. Peanuts in good to excellent condition. Farmers applying land plaster. Small grain harvest active. Wheat 61% harvested, 57% last year, 67% average. Barley 86% harvested, 86% last year, 87% average. Oats 49% harvested, 49% last year, 60% average. Small grain yields excellent. Pastures in fair condition, growth is slow due to dry weather. Some farmers may have to feed hay. Livestock in good condition. Some early peaches picked.

WASHINGTON: High pressure was dominant weather feature over State during week. Rain fell west of Cascades on 26th, with considerable amounts on 28th and 29th. Although significant rainfall produced west of mountains, only light to no

rain fell in basin area with increasing amounts over eastern mountains.

Second cutting alfalfa hay in progress. Winter wheat progress remains behind normal with 83% of wheat reported headed. Stripe and leaf rust continue to develop but problem not major. Work on summer fallow fields in full swing. Corn planting complete. Farmers report yield prospects for wheat and barley good. Strawberry harvest at midpoint for most of State. Raspberry harvest started in few areas. Cherry picking moving slowly in Chelan County and some rain damage been reported. Some farmers in western counties had to replant their vegetable crops as result of rotting from wet conditions. Fresh market broccoli harvest started. Harvest of lettuce and other leafy vegetables continues. Asparagus harvest complete. Harvest of green peas and onions started Walla Walla County. Pastures remain average to above average condition. Harvest of grass and alfalfa silage continues some areas. Winter wheat headed 83% 1984, 100% 1983, 99% average. Winter wheat harvested 0%, 0% 1983, 0% average.

WEST VIRGINIA: Temperatures averaged 1 to 40 below normal, except for the northeastern section where temperatures averaged 0.50 above normal. High of 93° in Martinsburg, low of 38° in Green Bank and Canaan Valley. Majority of the State received rain from weekend showers. Most precipitation was 3.96 in. at Terra Alta, Huntington received the least, 0.49 in.

Soil moisture short to adequate. Days suitable for fieldwork: 5.2. Main activities: Haying, combining small grains and general maintenance.

WISCONSIN: Warm temperatures prevailed on the 25th and 26th with highs in the 80's and 90's. Somewhat cooler temperatures were the rule from the 28th to the 1st, with highs in the 70's and 80's. Thunderstorms occurring on the 26th and 27th produced widely varying rainfall amounts. A few scattered showers also occurred on the 28th and 29th. Most areas received between 0.20 and 0.60 in. of rain, however the west and southwest received little or none.

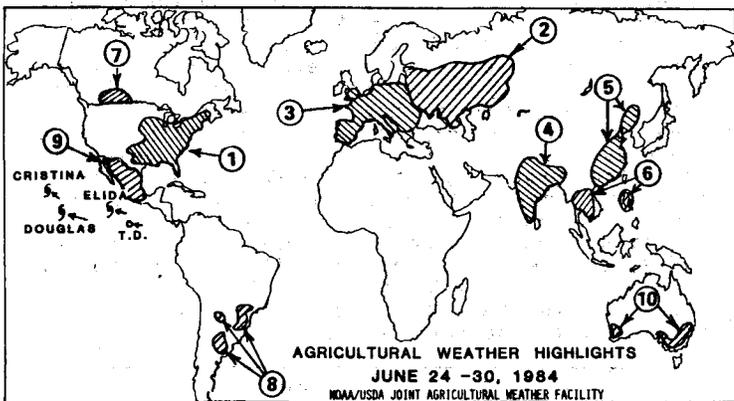
Height of corn was 22 in., 14 in. last year, average of 19 in. No corn was silked. First cut hay was 85% harvested, 72% last year, average 80%. Yields generally high, but quality less than 1st hoped because of delays in harvesting and troubles in drying due to wet weather. Oats 55% headed, 30% last year, 50% average. Oats in good shape throughout State. Pea harvesting had begun, variable quality reported. Strawberry picking was finishing in the south, starting in the north, at a peak in between. Soybeans all emerged except for replants, condition good.

WYOMING: Temperatures above normal. Highs mid 80's to 101°. Well below normal precipitation.

Topsoil moisture adequate 42% State. Days suitable for fieldwork: 7.0. Small grains mostly good condition. Winter wheat: 40% boot, 55% headed, last year, 30% boot, 65% headed. Barley: 30% boot, 20% headed. Last year, 20% boot, 40% headed. Spring wheat: 20% boot, 10% headed. Last year, 30% boot, 15% headed. Oats: 30% boot, 10% headed. Last year, 30% boot, 5% headed. Sugarbeets fair to good condition, 85% thinned. Corn mostly fair condition. Other row crops mostly good condition. Alfalfa: First cutting 30% complete. Other hay harvest 5% complete. Cattle, ranges, pastures mostly good condition.

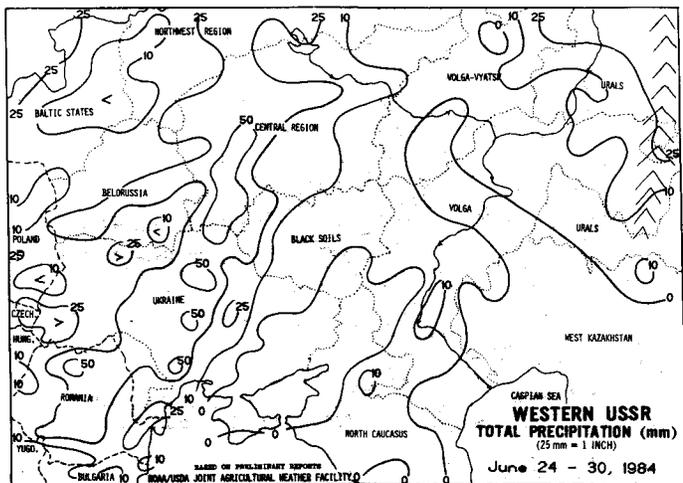
International Weather and Crop Summary

June 24 to 30



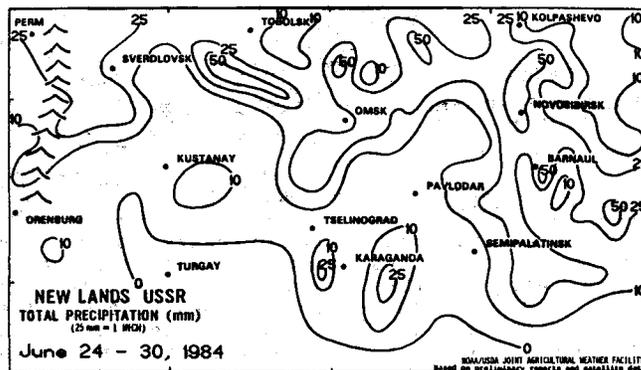
HIGHLIGHTS:

1. UNITED STATES ... Rains benefit crops from the southern Plains into the Southeast and along the east coast; a few dry sections remain in the South. Drying, cooler weather across the Corn Belt allows replanting in the west and slows crop water needs in the east. A heat wave hastens maturity of California fruits and vegetables.
2. USSR ... Favorable weather continues for crops in western and northern European crop areas. Conditions are too wet for winter grain maturation in the central Ukraine. Dry weather and unseasonably high temperatures return to crop areas in parts of southeast European USSR. In the New Lands, showers continue to favor spring wheat growth in most areas.
3. EUROPE ... Showers continue to create the potential for harvest delays in northern Spain, Yugoslavia, and Romania, and are unfavorable for maturing grains in West Germany. Weather is favorable for crops over the remainder of the region.
4. SOUTH ASIA ... Monsoon coverage increases somewhat in rice areas. Dry weather hampers cotton and groundnut planting in the west.
5. EASTERN ASIA ... Precipitation favors most rice and northeastern corn and soybeans. Dry weather allows wheat harvesting.
6. SOUTHEAST ASIA ... Dry weather in central Thailand is unfavorable for corn and rice. Rain covers the Philippines, mostly benefiting rice and other crops.
7. CANADA ... Generally drier, warm weather aids grains and oilseeds in the vegetative growth stages across the Prairie Provinces. Moisture supplies are abundant in northern crop areas but limited in southern areas.
8. SOUTH AMERICA ... Less intense rain falls over Rio Grande do Sul while dry weather continues to aid coffee harvesting further north. Subfreezing minimum temperatures stay south of the coffee area but cover Argentina's wheat area during mid-week. Argentina's soybean harvest is about 90-percent complete.
9. MEXICO ... Rains continue helping corn in the southern Plateau and replenishing west coast reservoirs.
10. AUSTRALIA ... Dry weather delays planting and hampers wheat establishment in eastern and southern crop areas. Favorable conditions for wheat continue in the west with planting completed.

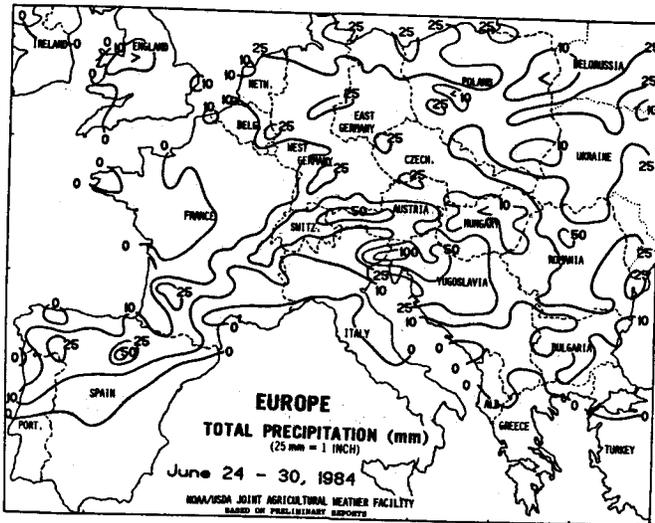


USSR...The excessive precipitation pattern of recent weeks continued in the central Ukraine, western Black Soils, and the western portion of the Central Region. The wet weather may be slowing winter grain maturation in the south and lodging some winter and spring grains. A favorable precipitation pattern continued to cover the western Ukraine, Belorussia, the Baltics States, and crop areas in the northern portion of the region. In contrast, dry weather returned to the eastern Ukraine, northern North Caucasus, the eastern Black Soils, and the southern portion of the Volga Valley. Unseasonably high temperatures accompanied the dry weather, with maximum temperatures around 35°C reported from June 26-28;

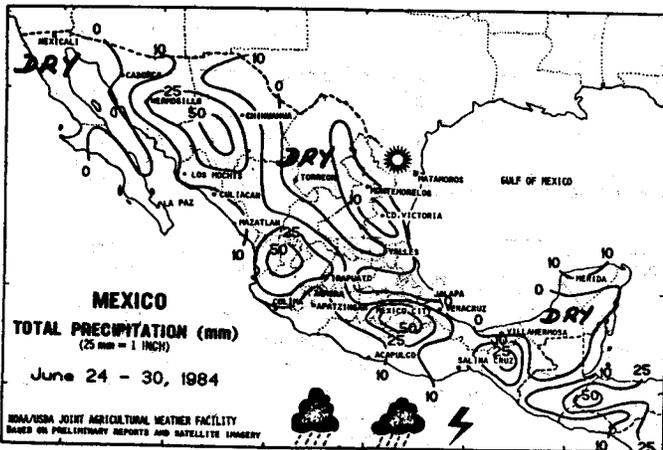
however, winds remained light. Crop progress is ahead of normal in most areas, except for the western Ukraine where crop progress is near normal. Winter grains are maturing in the south and are in the grain filling stage in the north. Spring grains are in the late filling stage in the south and heading in the north. Corn is advancing toward the reproductive stage along the Black Sea.



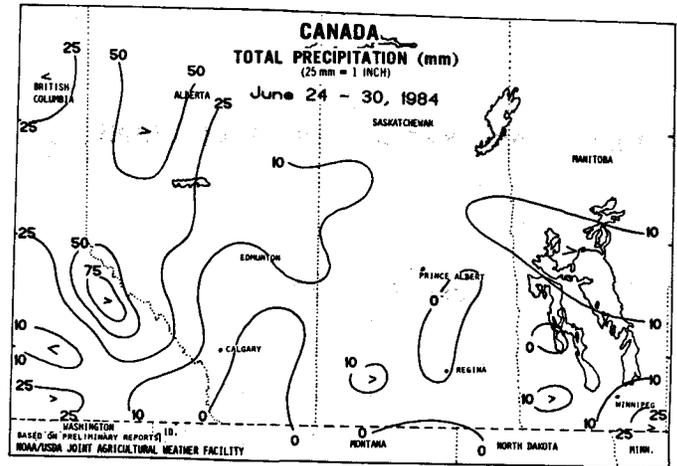
In the New Lands, spring grains are in the early heading stage in the south and jointing in the north. Frequent showers maintained the favorable precipitation pattern of recent weeks for crops in the northern Urals and much of western Siberia. Light showers covered spring wheat areas in northern Kazakhstan, but unseasonably warm weather increased evaporation rates. In south Central USSR cotton areas, the weather has been seasonably hot and dry. Most of the crop is irrigated and reports indicate cotton is flowering in some fields.



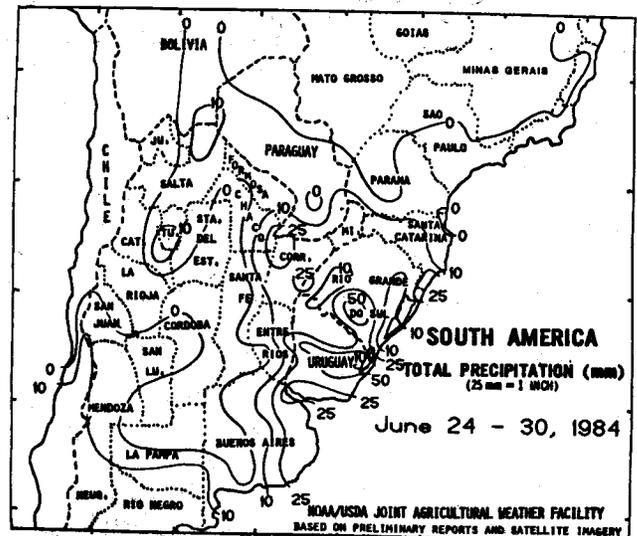
EUROPE... Showers continued to create the potential for winter grain harvest delays in northern Spain, Yugoslavia, and Romania. Generally dry weather aided winter grain maturation in northern France, while the favorable precipitation pattern continued in southern French corn areas. In West Germany, showers continued the excessive precipitation pattern of recent weeks with possible crop lodging in some areas. In Poland and East Germany, light showers benefited winter wheat in the grain filling stage and spring grains in the heading stage. Favorable weather continued for crops in Czechoslovakia and Hungary. In Italy, mostly dry weather benefited winter grain maturation and aided harvest activity. Heavy rain in the extreme northeastern crop areas slowed grain maturation.



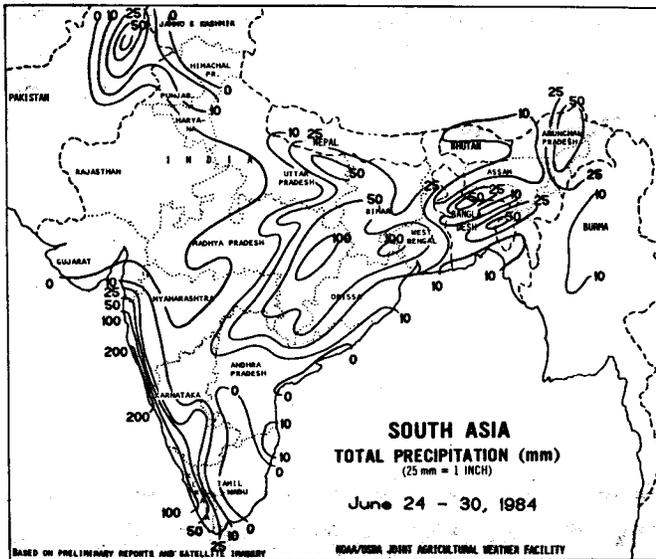
MEXICO... Seasonal, moderate to heavy rains over much of the south and northwest benefited crops. Moisture was adequate for crop development in most of the southern Plateau corn and bean areas. The northeastern section has some dry spots. Rain extended across the northwestern mountain watersheds and should increase irrigation supplies for west coast soybeans, cotton, and other summer crops. Most of the north-central and northeast areas were dry, aiding harvesting but stressing rangeland vegetation and nonirrigated, immature crops. Moderate to heavy showers were scattered across Central America and extended into the eastern Pacific Ocean where three tropical weather systems--a depression and Hurricanes Douglas and Elida--were being watched closely. These systems were generally moving west-northwest, staying about 500 miles offshore of the southern Mexican coast. (See satellite photo on back cover.)



CANADA... Generally dry weather covered the Prairie Provinces with only widely scattered areas receiving more than 10 mm of weekly rainfall. The wettest areas were the eastern and northwestern extremities of the grain belt where persistent wetness has hampered crop development. All crop areas had several days of dry, warm weather which promoted growth. Crop conditions are generally good throughout the grain belt, except across northern areas where yellowing was reported because of excess moisture. In contrast, moisture is limited over southern portions of Saskatchewan and Alberta where grains and oilseeds are mostly in vegetative growth stages. These crops will advance into the weather-sensitive reproductive stages during the next few weeks.

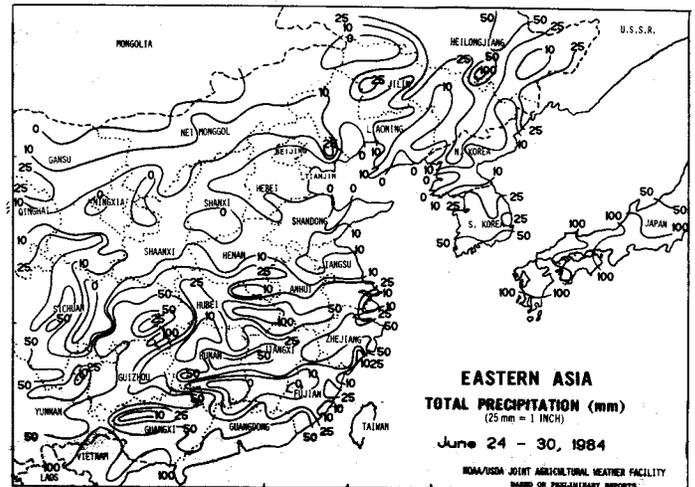


SOUTH AMERICA... Showers continued over eastern Argentina and southern Brazil, but amounts decreased, ranging from 10 to 50 mm over Rio Grande do Sul. Continued dry weather aided Brazil's coffee harvest. Cold air pushed into southern Brazil late in the week with subfreezing minimum temperatures reported as far north as southern Parana. The cold air stayed south of the coffee area. In Argentina, mostly light showers in eastern soybean areas posed no problem to the soybean harvest which is about 90-percent complete. Moisture is generally favorable for establishment of early planted wheat. The planting season extends through July. Late in the week some light showers fell over the moisture-limited wheat area of Cordoba. Subfreezing minimum temperatures (-1 to -5°C) covered wheat areas during mid-week.

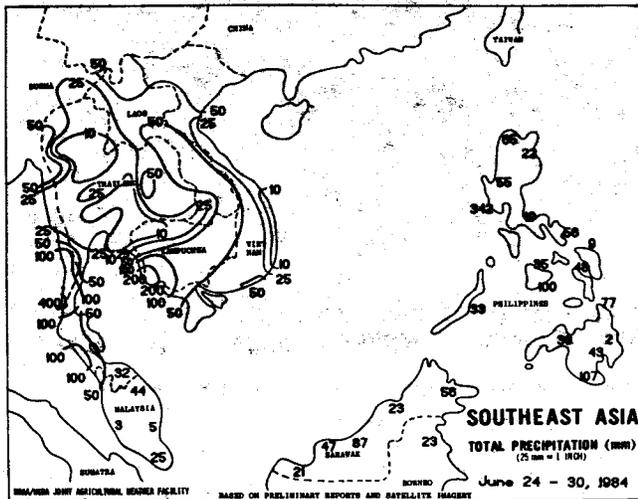


SOUTH ASIA... Precipitation continued along the west coast and in the northeast, but the intensity of the rains beneficially decreased in these areas. Monsoon rains spread into Orissa and eastern Madhya Pradesh late in the week, favoring planting and early growth of autumn and winter rice. Moisture is plentiful along the west coast where near-normal rains have aided rice. Drier weather would be beneficial for southern Karnataka and Kerala where heavy rains and flooding have damaged crops. Dry weather (less than 10 mm of rain) persisted from Andhra Pradesh through Rajasthan and into the upper Ganges Plain. Normally, by early July monsoon rains have covered most crop areas in India. However, more rain is needed in the west for cotton and groundnut planting because evaporation is depleting the limited moisture supply.

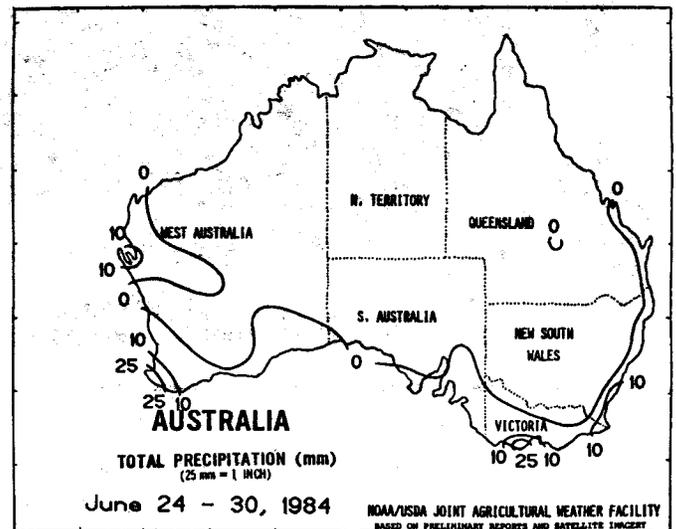
crop areas in the Philippines, especially benefiting southern Luzon. However, heavy rain (as much as 340 mm) in central Luzon aggravated flooding in some areas.



EASTERN ASIA... A variable rainfall pattern in southern China benefited most rice areas. A moderate tropical storm produced mostly favorable rains in the southwest. Beneficial rains returned to Hubei which has received below-normal precipitation this season. Dry weather in the North China Plain was favorable for wheat harvesting which should be nearing completion. Adequate moisture remains for cotton, corn, and soybeans in the North China Plain. However, additional rain would be beneficial as the crops progress through the reproductive stage. Moderate rain (25-50 mm) in northern Manchuria favored corn and soybeans in the reproductive stage. Moderate to heavy rain in southern Japan supplied additional moisture for rice in the vegetative stage.



SOUTHEAST ASIA... Precipitation increased in parts of Indochina this week. A tropical storm brought moderate to heavy rain (50-100 mm) to Laos and northeastern Thailand. Precipitation and wind were not extreme and crop damage is expected to be light. Generally dry weather (less than 10 mm of rain) covered much of central and northern Thailand. Corn is entering the reproductive stage in central Thailand and recent dryness has been unfavorable. Rice is also nearing the moisture-sensitive heading stage. Precipitation had been near-normal until last week in much of Thailand. Moderate to heavy rain covered most



AUSTRALIA... Dry weather persisted over eastern and southern wheat areas with mostly light showers confined to coastal regions. Unfavorable dryness has delayed wheat planting, and limited topsoil moisture has hampered crop germination and emergence. The crop areas most affected by the persistent dryness during the planting season are concentrated over central and southern New South Wales, Victoria and South Australia. In recent weeks rainfall has aided wheat in Queensland. Wheat planting is only 30-40 percent complete in the major eastern and southern crop areas.

(continued on p. 4)

NOAA/USDA Joint Agricultural
Weather Facility
Room 5844 USDA South Building
Washington, D.C. 20250

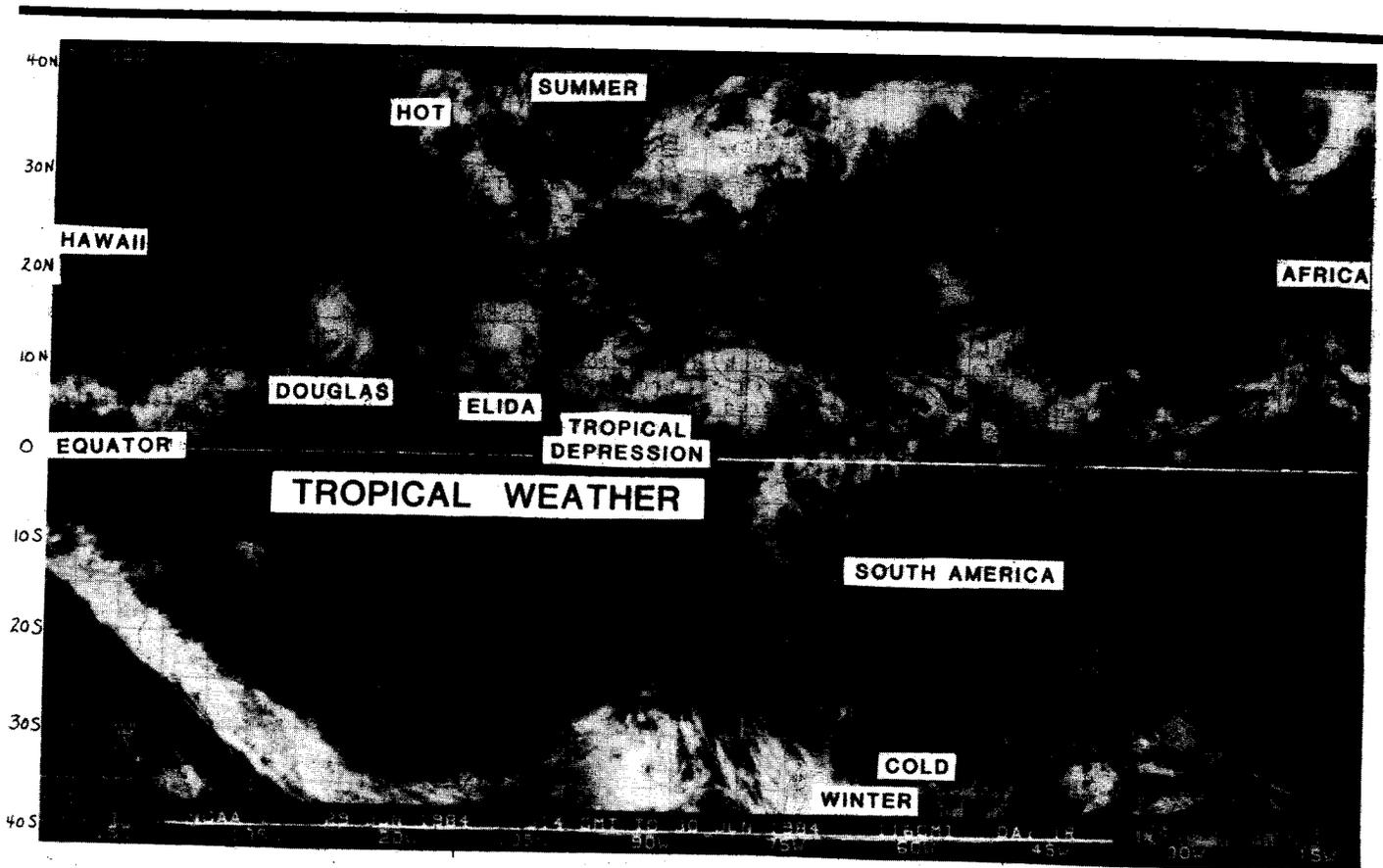
POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE



210

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

**WEEKLY NEWS BULLETIN
SECOND CLASS**



The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Chronicle. It is issued under general authority of the Act of January 12, 1895, (44-USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the Bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic \$25, foreign \$33 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, D.C. 20250. Order subscriptions from the office and address listed above. Second class postage paid at Washington, D.C., and additional mailing offices.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor Don Haddock
Meteorologists Jim Williams
Ray McInturff
Lyle Denny
Wes Byrd
Joe Harrison Dave Elson

Subscriptions (202) 447-7917 . . Cheryl Caleco
Elvia Fant
U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
Editor Gloria Ruggiero
Statistical Reporting Service
Agricultural Statistician Bill Brannen
World Agricultural Outlook Board
Agricultural Weather Analysts . . Ray Motha
Ron Lundine
Tom Puterbaugh