

# WEEKLY WEATHER AND CROP BULLETIN

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

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

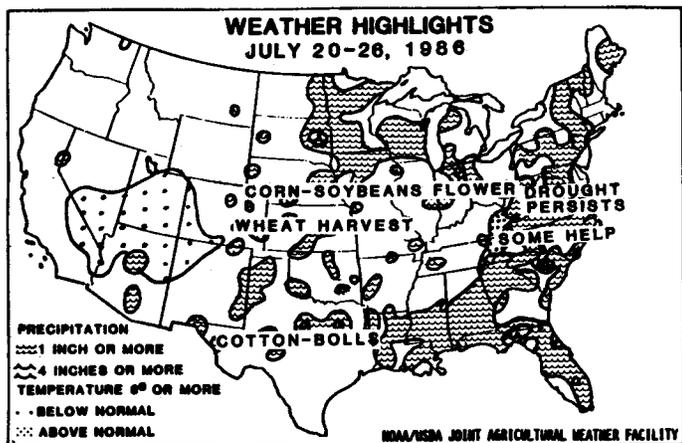
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July 29, 1986

## National Weather Summary

July 20 to 26, 1986



California. Light showers fell through the Rockies and from southwestern Kansas to northwestern Arkansas. It was slightly cooler in the Southeast, but temperatures still rose to the high nineties.

WEDNESDAY...Thunderstorms were scattered from the central and eastern Gulf Coast States to New Jersey. Isolated moderate to heavy showers fell through the area. A low pressure system off the south coast of California brought showers to most of the State and over the central Plateau and central Rockies. Cooler air pushed into North Carolina, but hot weather continued across the South and spread through the Plains.

THURSDAY...A cold front moved through the northern Plains and triggered thunderstorms ahead of it. Moderate to heavy showers fell from southern Nebraska into Wisconsin, and lighter showers fell in the central Rockies and central Plateau. Scattered thunderstorms dropped showers from Mississippi to Georgia and northward through Virginia. Afternoon temperatures were in the high nineties across the South and topped 100 degrees in the central Plains.

FRIDAY...Moderate showers fell along the cold front from central Indiana and Ohio into Michigan with lighter showers reaching to the Appalachians. Showers and thunderstorms were scattered over southern Louisiana and Florida and from Alabama to Virginia. Afternoon temperatures topped the century mark from west central Texas to southern Illinois.

SATURDAY...Thunderstorms brought moderate to heavy showers from New England through New Jersey and much of southern Virginia, and central North Carolina. Lighter rain fell from Kentucky and Tennessee to the central Plains. Another cold front triggered showers from North Dakota to Wisconsin. Light showers fell throughout the northern Plains and Rockies. Afternoon temperatures were above 100 degrees from much of Texas to western Kentucky.

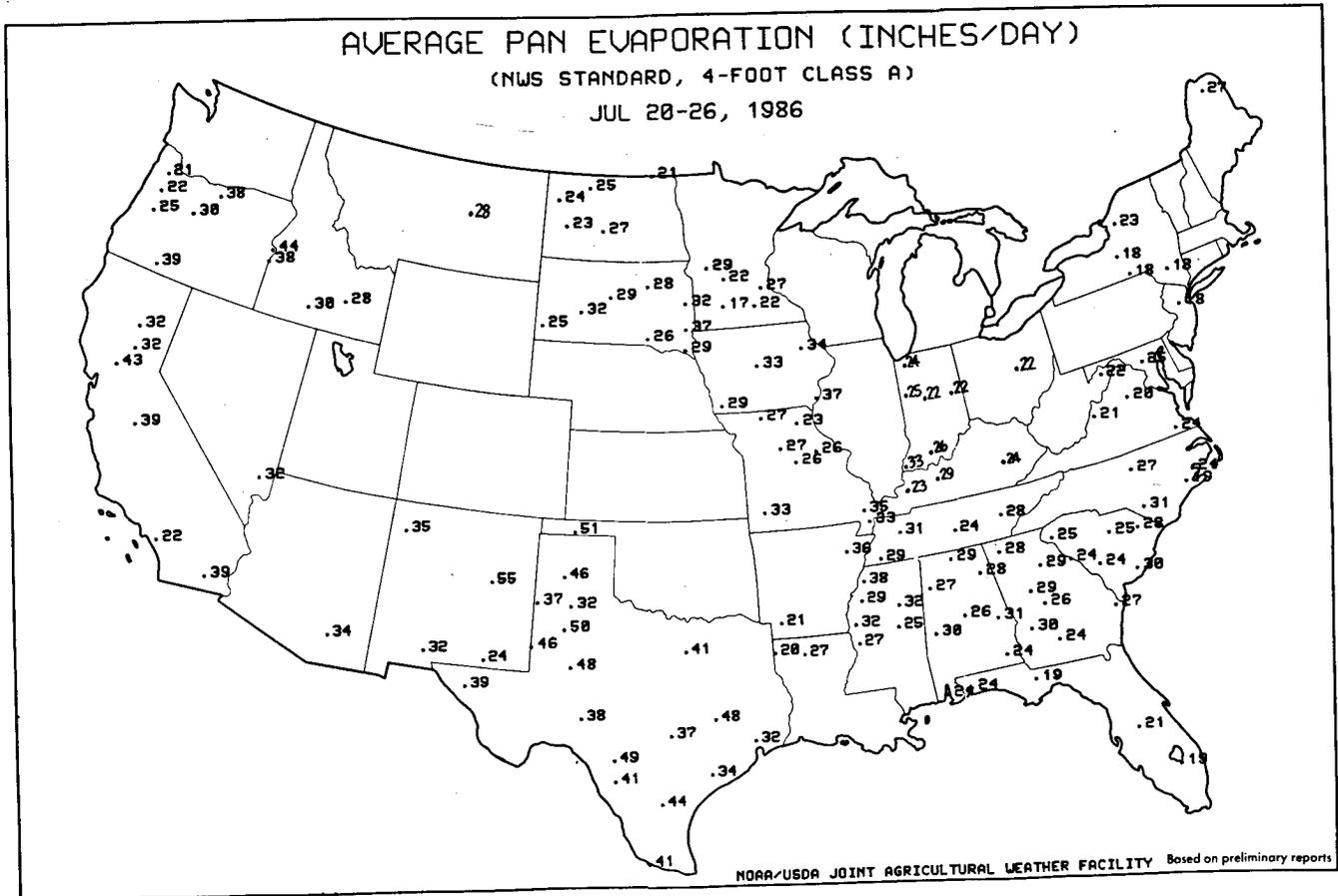
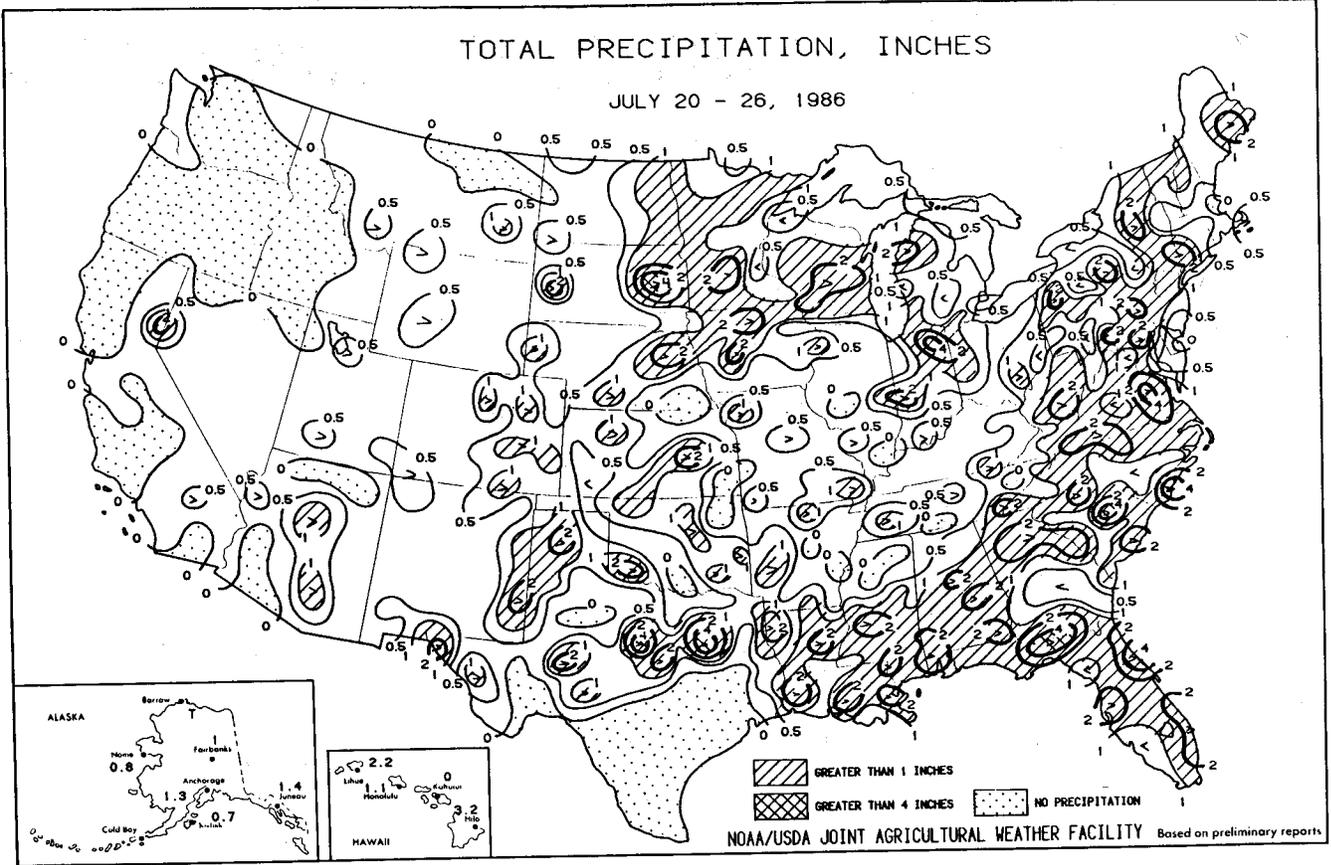
**HIGHLIGHTS:** Thunderstorms produced widespread showers across the South and through all of the East Coast States. Above-normal rainfall accumulated in much of the extreme drought area, but some parts, especially central Georgia, had less than 1 inch. Heavy showers fell in much of central Texas and from the Texas Panhandle into the central Rockies. Heavy showers also fell in Kansas, Nebraska, and from the eastern Dakotas through the Great Lakes. Monsoon-type showers continued in the Southwest, and a low pressure system off southern California brought showers to much of the State. Average temperatures were above normal in most of the East and cooler than normal west of the Rockies and into the central Plains.

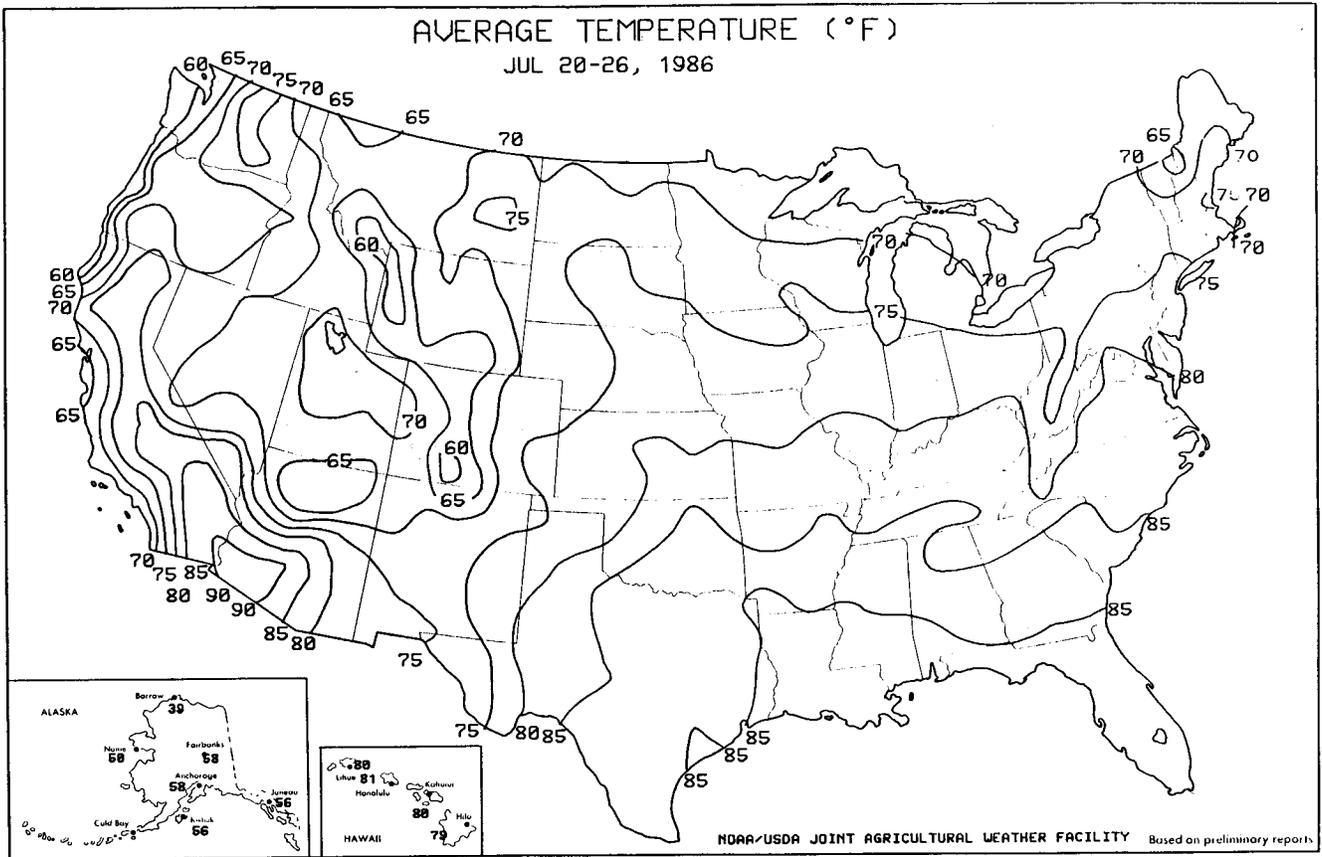
**SUNDAY...**Showers and thunderstorms developed along and ahead of a cold front from eastern Tennessee through New England and into the mid-Atlantic States. Thunderstorms were widespread in Arizona and New Mexico and from the Texas Panhandle through the Rockies and northern Plains. High temperatures soared to over 100 degrees in the Southeast and from central Texas to western Kentucky.

**MONDAY...**The cold front triggered showers and thunderstorms from the mid-Atlantic States through the Southeast, across the South through northern Texas, and to the central Rockies. Some heavy storms developed in the Southwest with lighter showers in southern California. It was cooler in the Appalachians, but hot weather continued in the Southeast and across the South.

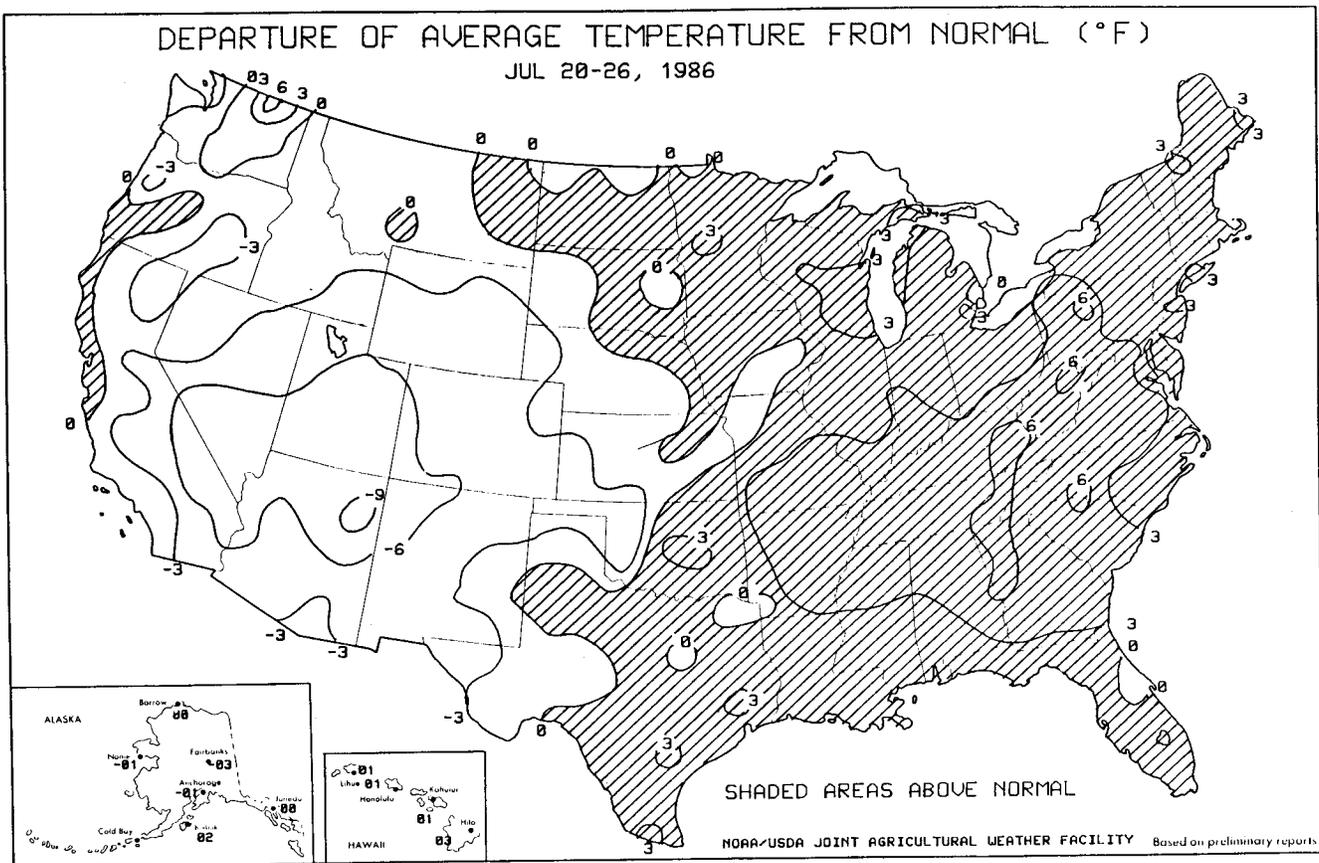
**TUESDAY...**Showers and thunderstorms were widespread in Florida and scattered from Georgia into central Pennsylvania. Thunderstorms developed throughout the Southwest with some heavy showers in southern

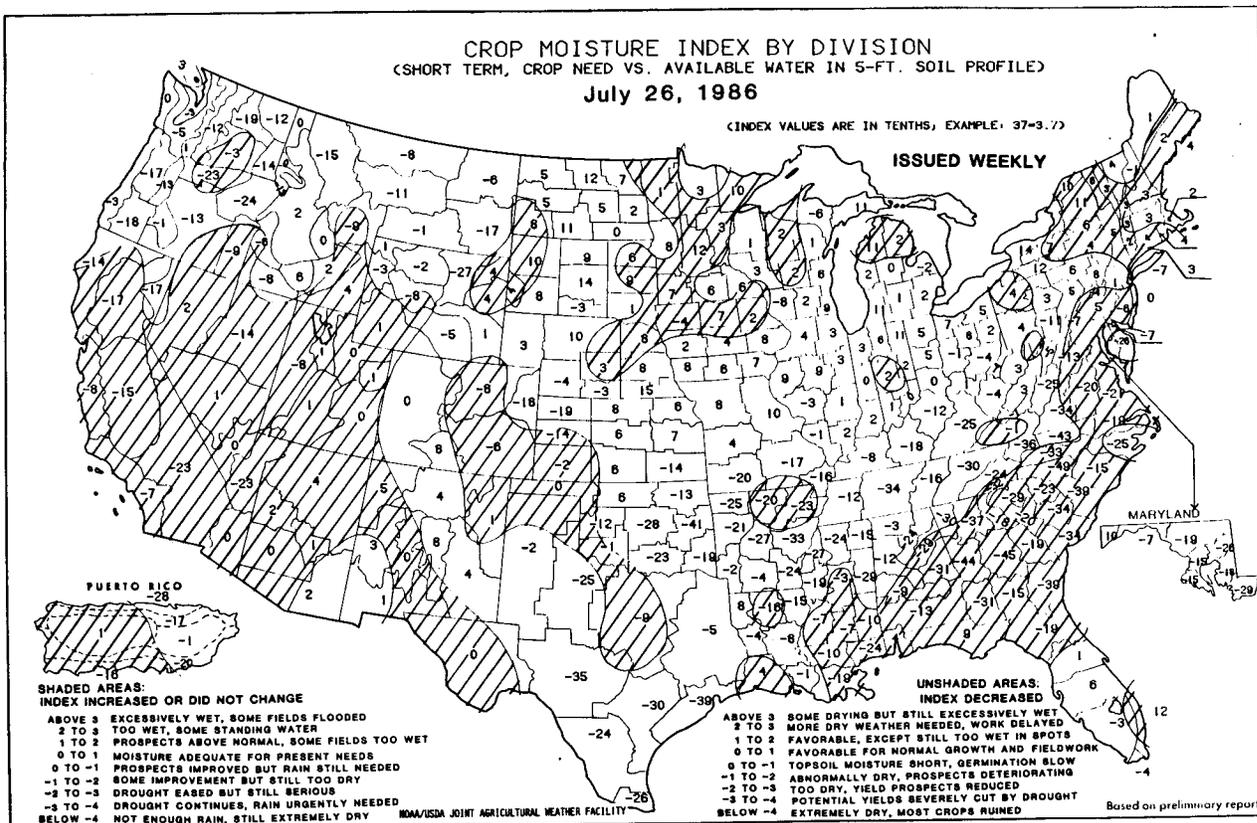
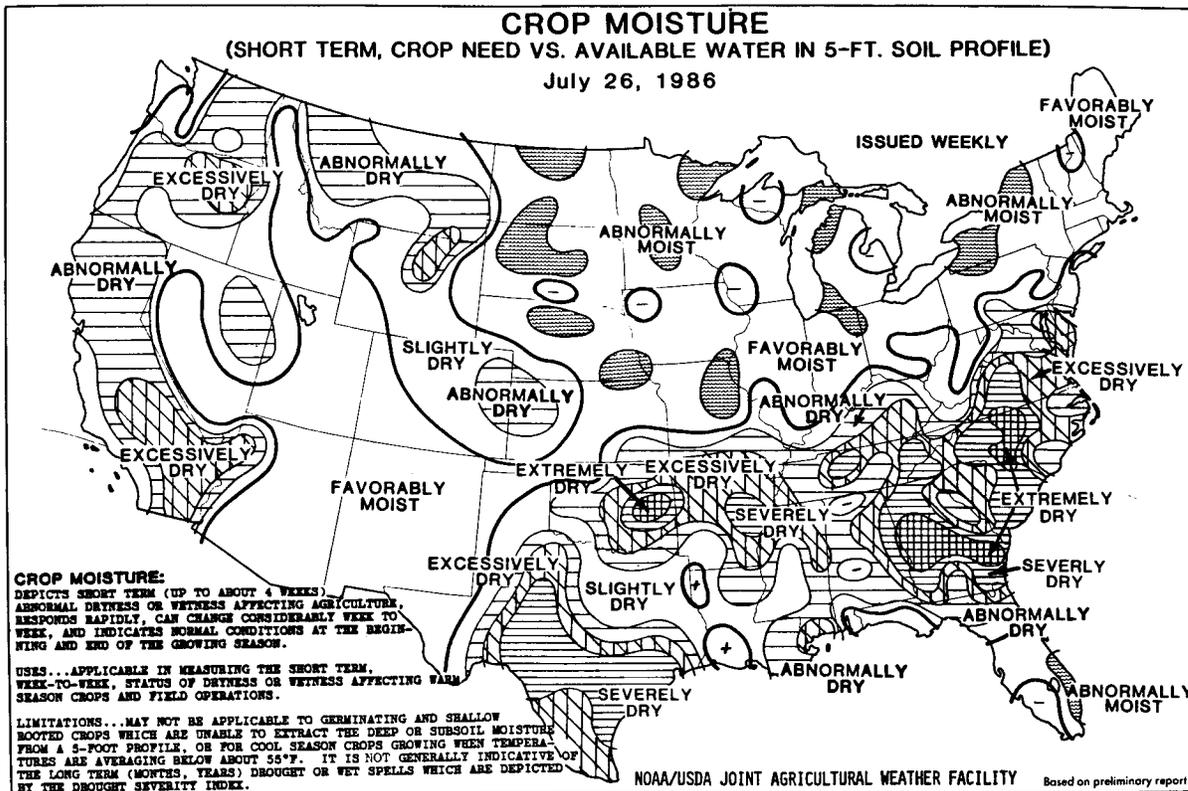
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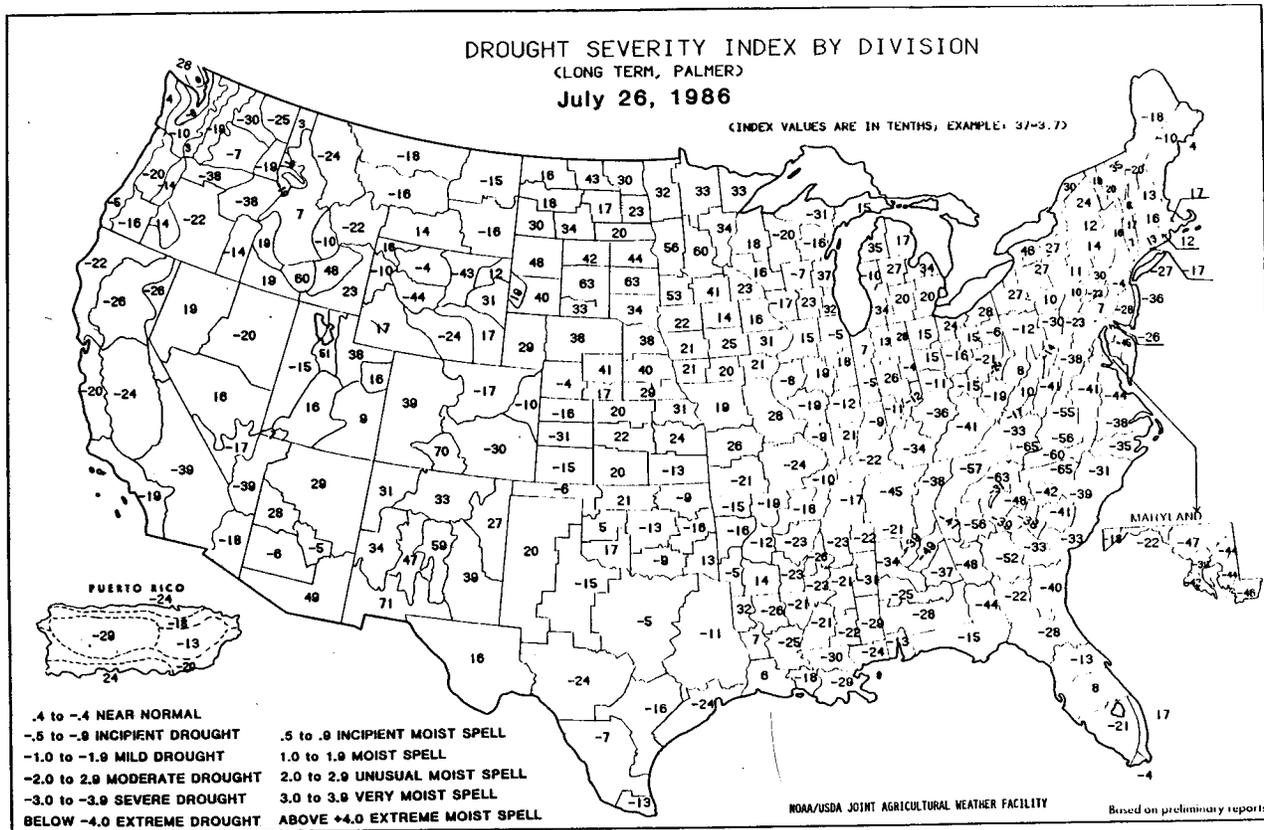
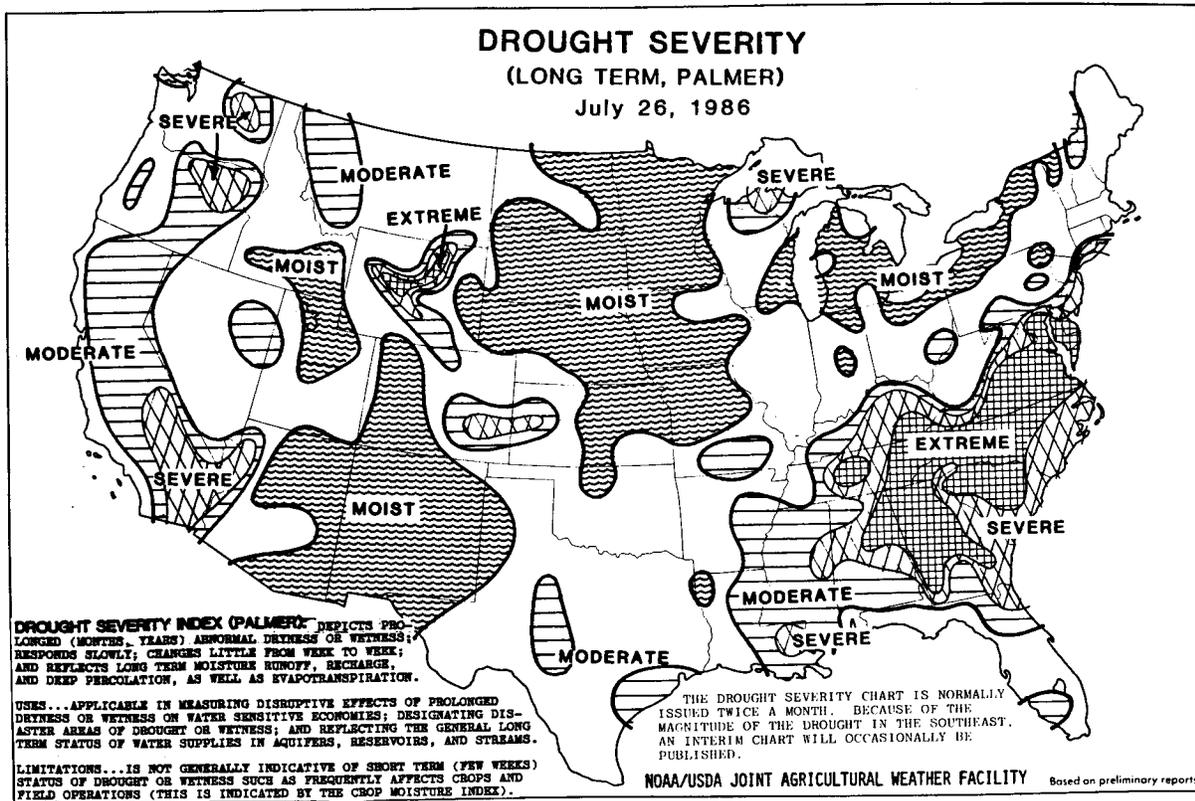


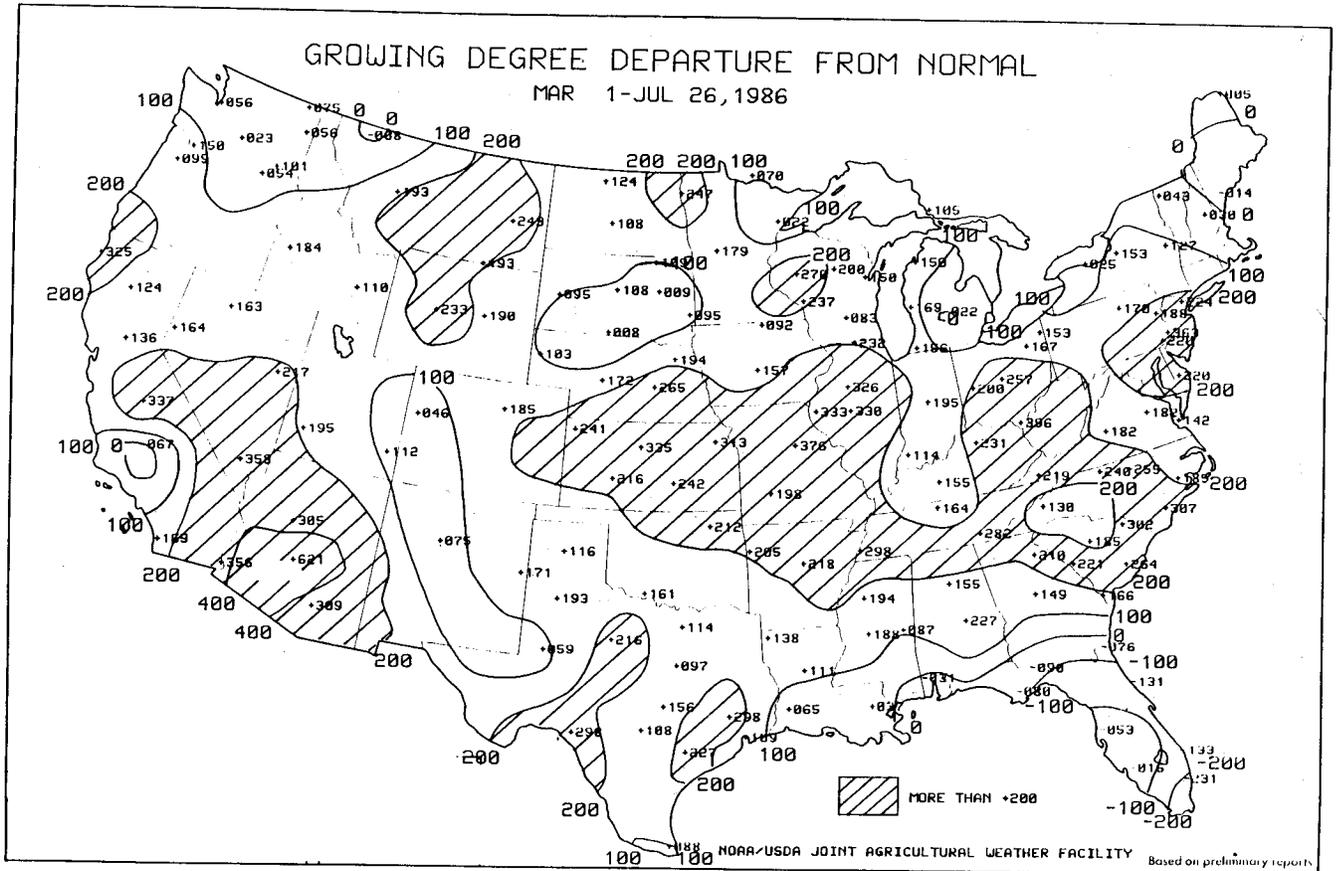
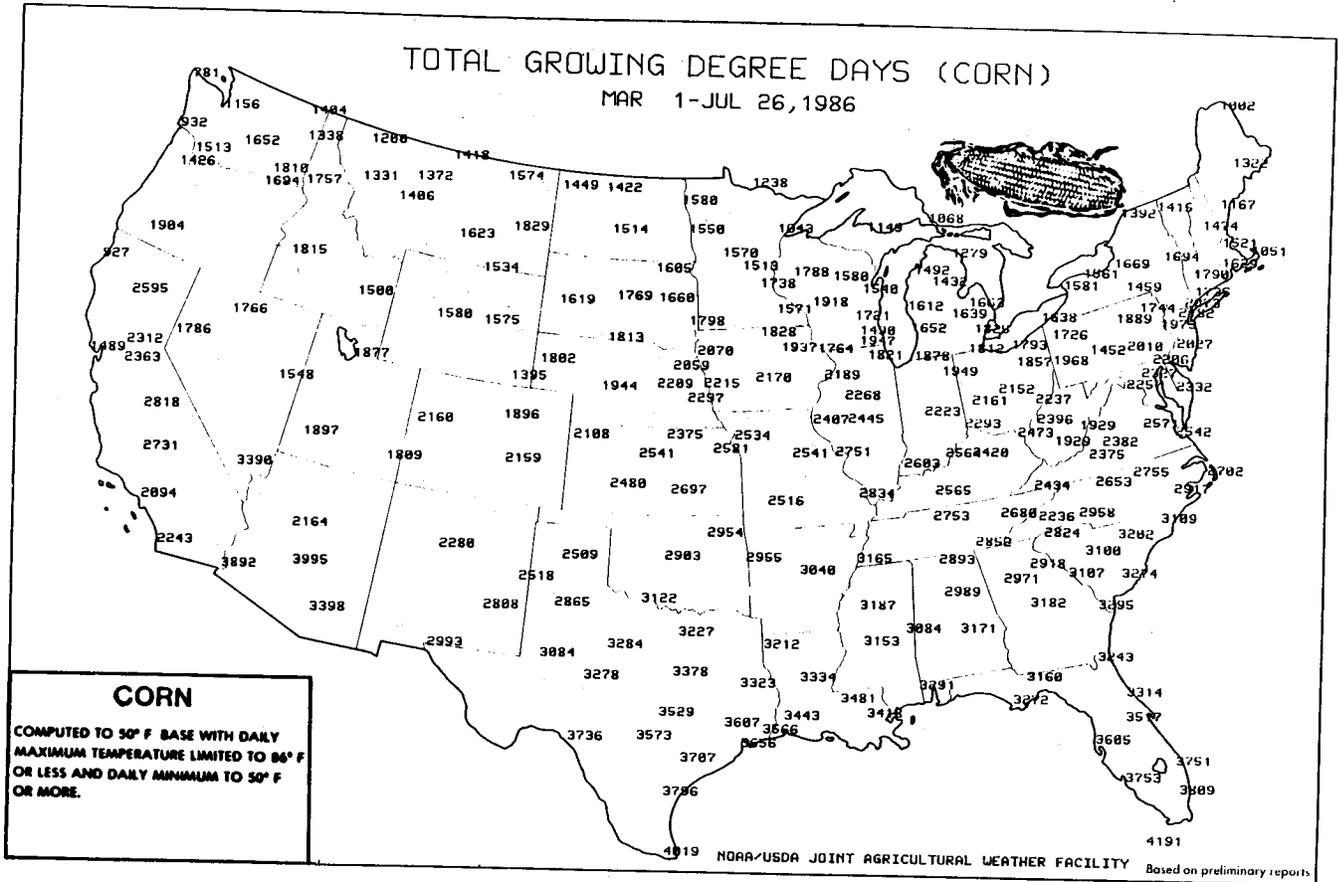


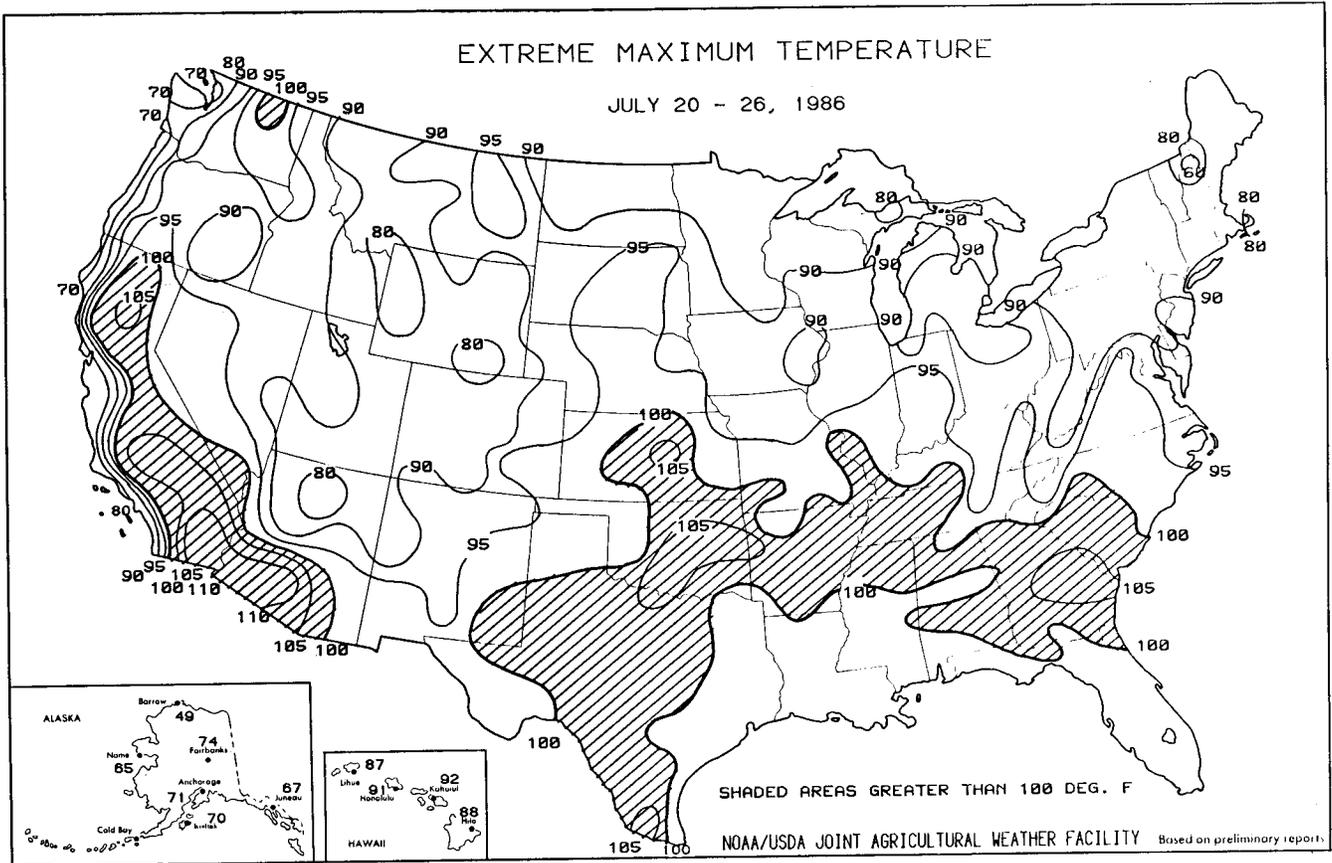
Point values may differ on these computerized maps from the reported values in the tables.











# National Weather Data for Selected Cities

Weather Data for the Week Ending July 26, 1986

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 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	95	73	100	70	84	4	.8	-.5	.5	3.0	36	12.4	36	94	46	7	0	3	1
MOBILE	93	73	96	72	83	1	3.8	2.0	2.6	13.6	117	31.3	82	98	55	6	0	4	2
MONTGOMERY	96	74	100	71	85	3	3.1	2.1	1.5	6.3	83	28.0	92	98	50	0	0	3	2
AK ANCHORAGE	64	52	71	48	58	0	1.3	.8	.7	2.2	82	5.6	88	92	54	0	0	6	1
BARROW	43	34	49	32	39	-1	T	-2	T	.4	32	.8	40	98	83	0	1	1	0
FAIRBANKS	65	51	74	47	58	-3	1.0	.5	.6	2.9	103	4.1	82	90	54	0	0	3	1
JUNEAU	60	50	67	49	55	-1	1.4	.5	.5	5.8	92	28.1	120	98	74	0	0	0	0
KODIAK	64	49	70	43	56	-2	1.7	.6	.6	15.2	232	41.1	109	93	65	0	0	3	1
NOME	55	44	65	38	50	-1	.8	.3	.6	1.7	58	3.4	57	95	76	0	0	1	1
AZ PHOENIX	101	77	110	71	89	-4	1.0	.4	.3	1.2	58	4.0	121	65	24	6	0	4	0
PRESCOTT	82	56	88	54	69	-2	1.0	.2	.4	3.0	97	6.4	70	78	36	0	0	2	0
TUCSON	98	70	105	65	84	-2	1.1	.4	1.0	1.9	86	5.7	119	71	22	6	0	3	1
YUMA	103	78	111	77	90	-4	.2	.2	.2	.4	345	.9	82	67	24	0	0	2	0
AR FORT SMITH	99	72	105	68	86	-3	.1	-.6	.1	3.4	54	21.1	89	96	38	7	7	0	0
LITTLE ROCK	99	75	103	72	87	-5	T	T	T	6.1	108	23.2	83	72	41	0	0	0	0
CA BAKERSFIELD	94	68	107	61	81	-4	T	T	T	T	T	4.3	110	63	31	5	0	0	0
EUREKA	62	50	65	48	56	0	0	0	0	.2	37	27.4	122	96	76	0	0	0	0
FRESNO	95	68	102	63	81	-1	0	0	0	T	T	9.7	137	73	29	7	0	0	0
LOS ANGELES	75	63	78	60	69	-1	.1	.1	.1	225	13.0	155	92	60	0	0	2	0	
RED BLUFF	92	65	105	61	79	-4	0	0	0	0	0	21.9	168	66	29	4	0	0	0
SACRAMENTO	90	60	100	55	75	-1	0	0	0	0	0	16.3	151	78	36	4	0	0	0
SAN DIEGO	75	65	76	63	70	-1	0	0	0	T	T	7.6	123	87	59	4	0	0	0
SAN FRANCISCO	74	55	77	51	64	-2	0	0	0	T	T	7	18.6	149	94	53	0	0	0
CO DENVER	84	58	88	54	71	-3	.4	0	.3	2.8	86	7.9	80	77	26	0	0	1	0
GRAND JUNCTION	86	60	88	55	73	-7	.2	.1	.1	1.1	135	3.5	83	73	25	0	0	4	0
PUEBLO	88	58	96	53	73	-5	1.2	.8	1.1	3.0	114	5.0	79	90	30	4	0	3	1
CT BRIDGEPORT	84	69	87	66	77	2	2.3	1.5	2.3	7.3	127	17.6	77	95	57	0	0	1	1
HARTFORD	86	66	91	60	76	2	1.0	.3	1.0	10.9	183	25.8	107	94	48	1	0	1	1
DC WASHINGTON	90	73	91	71	81	2	.9	-.1	.7	4.7	72	14.0	64	93	55	3	0	3	1
FL APALACHICOLA	91	76	98	73	83	1	1.9	-.2	.9	5.7	53	21.8	78	96	67	5	0	3	2
DAYTONA BEACH	90	73	98	71	81	0	6.9	5.7	2.9	15.9	146	27.6	110	98	63	4	0	4	4
JACKSONVILLE	94	74	102	72	84	2	1.1	-.4	.6	5.5	51	23.0	78	96	51	7	0	4	1
KEY WEST	91	80	92	77	86	1	.3	-.5	.2	9.8	121	16.0	90	83	59	7	0	3	0
MIAMI	91	76	95	75	84	1	2.2	1.0	1.1	15.3	107	41.6	140	91	57	5	0	4	2
ORLANDO	90	74	96	72	82	-1	1.9	.9	.9	15.1	108	28.1	100	95	58	5	0	4	2
TALLAHASSEE	94	72	100	70	83	2	4.3	2.3	2.4	20.9	150	37.4	97	100	54	5	0	5	2
TAMPA	91	76	93	74	83	2	2.3	.5	1.3	9.2	81	20.6	81	92	60	5	0	4	2
WEST PALM BEACH	91	74	93	72	82	0	3.4	2.1	1.6	19.1	145	34.3	113	97	56	7	0	5	2
GA ATLANTA	97	73	102	71	85	6	3.0	1.9	1.3	5.4	73	16.4	53	92	39	7	0	4	3
AUGUSTA	98	74	105	72	86	5	4.0	3.0	3.6	7.7	101	18.7	68	99	46	7	0	3	1
MACON	100	75	106	73	87	5	T	-1.0	T	2.6	34	13.8	48	90	37	7	0	3	0
SAVANNAH	96	75	105	73	85	4	1.4	-.3	1.3	7.5	63	20.1	68	92	50	6	0	2	1
HI HILO	86	71	88	68	79	3	3.2	1.0	2.4	17.6	133	91.5	127	93	63	0	0	6	2
HONOLULU	88	74	91	70	81	1	1.1	1.0	1.1	1.5	163	4.4	32	86	59	2	0	1	1
KAHULUI	89	71	92	66	80	1	T	T	T	.3	43	10.3	80	88	54	0	0	1	0
LIHUE	85	75	87	69	80	1	2.2	1.8	2.2	4.1	124	11.5	48	90	70	0	0	1	1
ID BOISE	90	58	94	52	74	-2	T	0	T	.5	45	9.9	136	52	16	3	0	0	0
LEWISTON	89	58	97	54	74	-1	0	-.1	0	.5	29	5.9	77	49	19	0	0	0	0
POCATELLO	83	56	89	50	69	-3	T	0	T	.4	30	9.5	140	75	30	0	0	2	0
IL CHICAGO	86	66	91	63	76	3	.3	-.5	.3	7.3	102	16.7	86	94	50	1	0	2	0
MOLINE	88	66	92	61	77	2	.1	-1.0	.1	11.4	135	24.4	109	92	45	2	0	1	0
PEORIA	87	68	90	64	77	2	.1	-.8	.1	12.0	165	19.2	92	91	52	1	0	1	0
QUINCY	86	67	89	63	77	0	.1	-.9	.1	9.8	128	19.9	91	93	57	0	0	2	0
ROCKFORD	86	67	92	63	76	2	.5	-.5	.4	6.0	71	16.9	78	97	49	1	0	2	0
SPRINGFIELD	88	69	92	63	78	2	T	-.8	T	9.7	145	17.1	83	94	51	3	0	0	0
IN EVANSVILLE	91	70	96	66	81	3	0	-.9	0	8.4	123	23.2	90	93	48	5	0	0	0
FORT WAYNE	86	65	91	61	75	2	2.6	1.8	2.6	15.4	238	28.0	137	96	51	1	0	1	1
INDIANAPOLIS	89	67	95	62	78	2	.8	-.2	.8	7.9	104	27.1	114	92	48	2	0	1	1
SOUTH BEND	85	66	88	64	75	2	1.5	-.7	1.5	10.7	152	21.9	102	94	52	0	0	1	1
IA DES MOINES	87	65	92	59	76	-1	.4	-.3	.2	10.9	160	25.8	140	86	49	2	0	2	0
SIOUX CITY	88	64	94	56	76	0	1.0	.3	1.0	7.3	107	20.1	127	96	51	3	0	1	1
WATERLOO	86	62	92	56	74	1	.5	-.6	.3	10.1	121	23.5	117	96	48	1	0	2	0
KS CONCORDIA	91	66	101	59	78	-2	T	T	T	10.3	145	20.5	123	87	37	4	0	0	0
DODGE CITY	93	65	100	61	79	-2	.2	-.5	.2	6.8	121	10.9	83	88	30	5	0	2	0
GOODLAND	88	61	94	59	74	-3	.6	-.4	.5	5.1	108	11.0	103	91	35	4	0	2	0
TOPEKA	90	68	96	58	79	0	.4	-.5	.2	6.7	78	20.3	103	94	47	3	0	2	0
WICHITA	92	70	103	66	81	-1	.3	-.5	.3	9.9	138	17.2	102	83	37	5	0	1	0
KY BOWLING GREEN	96	71	101	68	84	5	.1	-.9	.1	3.0	36	17.3	56	89	42	7	0	1	0
LEXINGTON	90	70	93	64	80	3	.5	-.7	.5	6.8	80	17.0	60	94	50	4	0	1	0
LOUISVILLE	92	72	95	67	82	4	T	-.9	T	8.8	124	21.7	81	88	46	5	0	1	0
LA ALEXANDRIA	93	74	96	72	84	1	.7	-.3	.5	9.1	115	20.5	59	81	51	7	0	3	1
BATON ROUGE	93	75	96	71	84	2	2.0	.3	.9	8.8	97	27.8	83	95	56	7	0	4	2
LAKE CHARLES	93	76	95	73	84	2	2.9	1.5	1.0	10.0	113	24.4	84	98	59	6	0	4	3
NEW ORLEANS	93	74	94	73	84	1	1.1	-.5	.9	12.4	121	23.8	68	96	60	7	0	3	1

Based on 1951-80 normals.

Weather Data for the Week Ending July 26, 1986

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 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME SHREVEPORT	96	72	99	70	84	1	2.9	2.1	2.1	17.8	269	32.5	119	96	44	7	0	0	2	
ME CARIBOU	79	56	89	44	67	1	.4	-.5	-.4	3.8	58	16.5	87	93	45	0	0	0		
MD PORTLAND	82	61	88	54	71	2	.8	-.1	.6	7.0	128	26.4	110	94	53	0	0	1		
MD BALTIMORE	88	71	90	69	80	2	2.4	1.5	2.4	5.5	79	15.3	65	97	57	1	1	1		
MA BOSTON	89	69	93	63	79	2	T	-1.0	T	2.5	35	13.6	56	98	53	2	1	0		
MA CHATHAM	85	68	90	62	76	2	T	-.6	T	10.5	205	23.0	95	90	53	1	0	0		
MI ALPENA	76	62	78	59	69	1	.9	-.1	.8	7.0	136	19.3	76	104	56	0	0	1		
MI DETROIT	80	57	90	48	69	2	.5	-.2	.5	8.0	138	16.6	104	98	56	1	1	0		
MI FLINT	86	66	89	59	76	4	.1	-.6	.1	8.1	134	19.3	107	94	49	0	0	0		
MI GRAND RAPIDS	83	62	89	57	73	2	.4	-.3	.4	7.3	131	15.9	96	95	57	0	0	1		
MI HOUGHTON LAKE	84	63	88	60	74	2	1.0	-.4	1.0	12.4	194	25.6	135	94	52	0	0	1		
MI LANSING	81	60	86	55	70	3	1.2	.6	1.2	6.2	112	16.1	105	92	50	0	0	1		
MI MARQUETTE	84	62	88	59	73	2	.1	-.5	.1	11.0	189	20.0	119	96	51	0	0	1		
MI MUSKEGON	79	53	87	43	66	1	1.0	-.3	1.0	5.1	77	16.4	78	95	51	0	0	1		
MI SAULT STE. MARIE	85	64	87	58	75	4	.4	-.2	.3	4.8	107	14.2	85	93	50	0	0	0		
MN ALEXANDRIA	79	54	85	46	66	2	.1	-.6	.1	11.0	190	20.7	122	99	58	0	0	0		
MN DULUTH	83	64	90	58	74	3	.9	-.3	.7	7.5	115	20.1	141	89	48	1	0	1		
MN INT'L FALLS	78	56	84	48	67	1	.2	-.7	.2	12.1	166	21.2	128	97	53	0	0	0		
MN MINNEAPOLIS	80	55	84	51	68	1	.2	-.7	.2	7.2	103	12.8	93	97	46	0	0	0		
MS GREENWOOD	83	65	88	59	74	0	.1	-.7	.1	8.2	117	21.4	136	90	54	0	0	0		
MS JACKSON	82	61	86	55	71	0	.7	-.1	.4	8.7	119	19.3	118	97	55	0	0	0		
MS MERIDIAN	97	74	99	71	86	4	T	-1.0	T	4.1	56	18.2	54	94	42	7	0	0		
MO CAPE GIRARDEAU	95	73	98	71	84	2	2.1	1.1	2.0	8.6	130	26.0	80	99	50	6	0	1		
MO COLUMBIA	96	72	99	70	84	2	1.4	.2	1.2	4.9	61	22.9	68	99	49	7	0	0		
MO KANSAS CITY	94	71	100	67	82	1	.3	-.5	.3	4.5	68	25.7	96	89	46	0	0	0		
MO SAINT LOUIS	90	68	95	62	79	1	.8	-.1	.7	4.9	73	18.2	84	93	50	4	0	1		
MO SPRINGFIELD	88	68	94	62	78	-1	.4	-.5	.3	10.8	129	20.0	97	90	50	2	0	0		
MT BILLINGS	92	73	101	67	83	4	T	-.8	T	6.9	101	16.6	79	89	44	4	0	0		
MT GLASGOW	95	69	102	64	82	3	.2	-.6	.2	4.5	58	15.5	67	85	37	5	0	0		
MT GREAT FALLS	86	59	93	57	72	-1	.3	-.1	.1	3.1	111	10.9	110	75	23	1	0	0		
MT HAVRE	87	59	97	53	73	2	T	-.3	T	3.1	80	7.2	92	69	23	2	0	0		
MT HELENA	84	52	91	49	68	-2	.4	-.2	.4	3.5	95	9.6	92	77	20	0	0	0		
MT KALISPELL	82	55	91	50	69	-2	T	-.2	T	2.3	72	8.5	115	79	26	1	0	0		
MT MILES CITY	84	51	87	48	67	-2	.3	-.1	.3	2.9	101	6.8	92	79	23	0	0	0		
MT MISSOULA	81	49	86	47	65	-1	.3	-.1	.2	3.4	113	11.1	118	92	30	0	0	0		
NE GRAND ISLAND	90	64	96	60	77	1	.9	-.7	.9	3.7	90	9.4	99	64	21	3	0	1		
NE LINCOLN	86	48	91	45	67	-1	0	-.1	0	3.5	135	9.3	112	89	21	1	0	0		
NE NORTH PLATTE	90	63	96	57	77	-1	T	-.5	T	6.6	109	14.6	95	90	37	4	0	0		
NE OMAHA	91	64	97	56	78	0	T	-.7	T	8.6	132	20.3	121	91	39	4	0	0		
NE SCOTTSBLUFF	88	63	92	56	76	0	2.4	1.8	2.4	8.6	120	20.2	127	91	43	3	0	1		
NH CONCORD	88	60	95	54	74	-1	.3	-.3	.2	4.2	66	12.6	93	91	35	3	0	0		
NH VALENTINE	87	66	95	59	77	1	.1	-.7	.1	5.8	82	20.7	116	88	55	3	0	0		
NV ELY	86	57	90	55	71	-4	1.0	-.7	.9	9.6	206	16.4	156	94	34	1	0	1		
NV LAS VEGAS	89	60	99	54	75	0	T	-.5	T	2.4	47	10.5	93	81	33	4	0	0		
NV RENO	81	47	90	41	64	-5	T	-.1	T	.1	8	4.4	77	72	24	1	0	0		
NH WINNEMUCCA	94	71	101	68	83	-8	.1	0	.1	1	30	1.2	55	53	18	5	0	3		
NH CONCORD	86	53	96	48	69	-1	.9	-.8	.7	1.2	198	8.3	177	85	25	3	0	1		
NJ ATLANTIC CITY	87	58	96	45	73	0	T	0	T	.1	13	3.5	71	55	19	3	0	0		
NM ALBUQUERQUE	84	59	89	50	72	2	.7	0	.5	8.2	154	22.3	114	96	48	0	0	0		
NM CLOVIS	85	65	89	62	75	0	.5	-.5	.5	6.6	110	20.9	90	98	60	0	0	0		
NM ROSWELL	86	61	92	59	74	-6	.3	-.1	.1	4.2	266	7.0	184	80	27	2	0	3		
NY ALBANY	91	65	99	63	78	0	1.2	-.6	1.1	4.7	95	8.9	94	67	25	4	0	1		
NY BINGHAMTON	92	65	100	64	79	-2	.1	-.3	.1	6.1	306	8.9	228	77	27	5	0	2		
NY BUFFALO	84	64	88	58	74	2	.5	-.2	.4	8.5	147	23.1	117	98	58	0	0	0		
NY ROCHESTER	79	62	83	55	70	1	.3	-.5	.2	10.2	157	25.5	124	94	60	0	0	0		
NY SYRACUSE	82	64	89	55	73	2	.2	-.5	.1	6.6	128	21.3	109	91	53	0	0	0		
NC ASHEVILLE	86	72	89	69	79	2	.8	0	.8	4.4	72	18.7	79	87	53	0	0	1		
NC CHARLOTTE	82	61	89	51	72	0	.4	-.2	.3	6.4	133	17.9	104	98	57	0	0	0		
NC GREENSBORO	83	62	91	52	73	2	.6	-.3	.4	7.4	109	20.9	96	93	52	1	0	0		
NC HATTERAS	91	66	94	64	79	5	T	-1.0	T	1.7	22	11.6	41	94	44	5	0	1		
NC NEW BERN	96	73	103	69	85	6	1.7	.8	1.2	2.4	35	10.2	39	90	42	7	0	3		
NC RALEIGH	93	70	98	67	82	4	1.0	0	.8	3.6	49	9.6	39	95	48	5	0	1		
NC WILMINGTON	87	74	90	71	80	1	1.5	-.2	.5	6.0	70	19.5	68	99	71	1	0	1		
ND BISMARCK	90	74	93	73	82	2	1.2	-.4	.7	8.1	76	21.6	73	97	66	3	0	4		
ND FARGO	93	72	97	70	82	4	2.4	1.4	1.0	5.9	81	16.5	67	100	53	6	0	3		
ND GRAND FORKS	91	75	95	71	83	2	4.6	2.9	3.3	15.6	131	31.9	106	95	64	6	0	3		
ND WILLISTON	85	58	91	51	71	0	.2	-.3	.1	7.7	162	15.3	150	95	41	1	0	0		
OH AKRON-CANTON	85	60	91	55	72	1	1.7	-.9	1.5	8.3	140	15.8	134	97	47	1	0	3		
OH CLEVELAND	85	57	89	51	71	2	1.4	-.7	.5	4.3	81	9.4	89	96	43	0	0	1		
OH COLUMBUS	83	57	87	53	70	-1	.2	-.1	.1	7.8	183	15.5	172	89	39	0	0	0		
OH CINCINNATI	85	62	89	57	74	2	.3	-.6	.3	6.7	101	17.3	80	96	48	0	0	0		
OH CLEVELAND	90	68	94	62	79	3	T	-.9	T	4.8	61	16.8	67	89	42	4	0	0		
OH COLUMBUS	83	64	90	57	73	1	.4	-.3	.4	5.9	94	21.9	106	93	52	1	0	0		
OH COLUMBUS	88	66	92	61	77	3	.1	-.8	.1	9.1	124	20.0	88	90	46	2	0	0		

Based on 1951-80 normals.

Weather Data for the Week Ending July 26, 1986

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 1	PCT. NORMAL SINCE JUNE 1	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
DAYTON	87	65	91	61	76	1	1.2	.5	1.2	11.3	169	25.6	119	94	51	1	0	1	1
TOLEDO	85	63	89	58	74	2	1.6	-.1	.6	8.7	139	19.7	106	95	51	0	0	1	1
YOUNGSTOWN	85	59	90	53	72	1	1.4	-.5	.3	17.2	249	27.4	125	99	49	1	0	2	0
OK OKLAHOMA CITY	98	74	105	71	86	3	1.1	-.5	-.1	3.3	51	18.4	96	75	32	7	0	1	0
TULSA	97	75	105	69	86	2	1.7	-.7	T	5.4	71	21.0	91	85	39	7	0	0	0
OR ASTORIA	63	54	67	49	59	-2	T	T	T	2.6	79	35.6	96	95	72	0	0	0	0
BURNS	86	46	88	41	66	-5	T	T	T	.7	61	7.5	208	56	19	1	1	0	0
MEDFORD	92	55	98	51	74	0	0	0	0	.5	52	10.2	97	72	19	5	0	0	0
PENDLETON	86	59	94	52	73	-2	0	0	0	.5	55	7.5	109	56	19	2	0	0	0
PORTLAND	77	56	86	54	67	-2	T	T	T	1.5	79	18.1	91	88	47	0	0	1	0
SALEM	80	50	90	46	65	-2	0	0	0	1.7	113	22.5	103	93	39	1	1	0	0
PA ALLENTOWN	85	66	89	59	76	2	1.3	.3	1.2	6.8	98	23.5	96	91	55	0	0	0	1
ERIE	81	66	88	58	73	4	1.1	-.7	1.1	10.2	158	25.4	123	90	56	0	0	1	1
HARRISBURG	87	70	88	66	78	2	1.0	.3	.9	5.9	91	22.1	98	94	59	0	0	2	1
PHILADELPHIA	89	69	91	68	79	2	.7	-.1	.6	6.1	85	20.0	84	94	55	4	0	2	1
PITTSBURGH	86	66	91	61	76	3	1.3	-.6	.3	9.7	149	20.6	93	86	44	1	0	2	0
SCRANTON	82	64	85	56	73	1	1.2	-.5	-.2	12.3	196	26.9	139	95	60	0	0	2	0
RI PROVIDENCE	83	66	86	61	74	1	1.4	-.3	.4	7.5	143	23.7	96	97	57	0	0	2	0
SC CHARLESTON	94	76	104	73	85	4	2.5	.9	1.1	7.5	59	18.1	59	100	57	6	0	4	2
COLUMBIA	99	73	105	71	86	5	1.6	-.7	.5	2.1	23	9.3	31	96	38	7	0	3	0
FLORENCE	95	74	101	72	84	3	1.4	1.2	1.4	6.5	68	14.3	53	97	48	7	0	2	1
GREENVILLE	96	72	102	70	84	6	T	T	T	2.3	29	15.0	48	93	43	7	0	0	0
SD ABERDEEN	87	60	99	54	74	1	1.2	.8	.8	5.7	108	18.0	151	95	38	2	0	4	2
HURON	86	61	96	53	73	-2	5.6	5.2	4.8	9.1	174	19.8	160	96	45	1	0	3	2
RAPID CITY	85	58	93	52	72	-2	1.1	-.4	0	5.4	106	14.0	119	86	38	2	0	3	0
SIOUX FALLS	86	63	93	54	75	0	1.9	.3	.8	6.4	108	16.2	111	91	45	1	0	3	1
TN CHATTANOOGA	97	73	100	72	85	6	1.2	-.8	.2	4.0	56	14.5	45	91	42	7	0	1	0
KNOXVILLE	97	71	98	70	84	7	T	-1.0	T	2.4	31	13.7	46	82	37	7	0	0	0
MEMPHIS	98	76	104	73	87	5	1.2	-.7	.2	4.8	69	18.1	56	84	34	7	0	1	0
NASHVILLE	97	73	102	71	85	5	1.2	-.7	.2	3.1	45	13.1	44	84	34	7	0	1	0
TX ABILENE	97	73	101	66	85	1	1.2	-.3	.2	8.0	186	15.0	116	69	29	7	0	1	0
AMARILLO	92	64	98	62	78	-1	3.3	2.7	3.0	7.1	124	12.3	107	87	32	5	0	2	0
AUSTIN	100	74	101	73	87	2	0	-.4	0	2.7	57	13.5	76	84	32	7	0	0	0
BEAUMONT	94	75	95	74	85	2	1.1	-1.2	1.1	13.5	159	30.9	111	96	50	7	0	2	0
BROWNSVILLE	95	75	96	73	85	1	0	-.3	0	4.1	104	9.2	84	96	44	7	0	0	0
CORPUS CHRISTI	96	73	98	69	85	-1	0	-.4	0	3.1	62	11.8	84	97	42	7	0	0	0
DEL RIO	97	76	100	75	87	1	0	-.4	0	4.8	152	12.4	138	64	27	7	0	0	0
EL PASO	92	64	99	62	78	-4	1.8	1.4	.8	5.8	306	7.5	214	92	29	5	0	5	1
FORT WORTH	99	74	103	71	86	-1	1.4	0	.3	4.3	100	18.7	103	83	31	7	0	2	0
GALVESTON	90	79	92	78	85	1	0	-.9	0	4.9	74	12.9	65	83	55	5	0	0	0
HOUSTON	97	76	98	74	86	3	0	-.7	0	7.0	101	18.8	75	89	40	7	0	0	0
LUBBOCK	96	68	103	64	82	2	1.1	-.4	0	6.3	132	10.2	99	81	28	6	0	2	0
MIDLAND	96	67	101	64	81	-1	1.3	-.1	.3	4.7	163	8.9	122	82	30	6	0	1	0
SAN ANGELO	98	68	102	65	83	-2	1.7	-.5	.6	4.0	137	12.8	136	78	28	7	0	2	1
SAN ANTONIO	99	75	100	72	87	2	0	-.4	0	12.0	258	22.5	142	82	30	7	0	0	0
VICTORIA	97	75	97	73	86	1	0	-.5	0	8.3	122	18.2	94	94	39	7	0	0	0
WACO	102	75	104	72	89	2	1.7	-.4	T	4.3	106	19.0	103	80	31	7	0	1	0
WICHITA FALLS	102	74	108	70	88	2	1.3	-.2	.3	8.4	184	17.4	112	74	28	7	0	1	0
UT BLANDING	79	53	85	49	66	-8	1.8	.5	.4	2.8	233	7.3	130	87	49	0	0	4	0
CEDAR CITY	80	57	87	55	69	-6	1.3	0	.3	.7	49	4.7	82	78	32	0	0	2	0
SALT LAKE CITY	84	61	90	58	73	-6	1.7	.6	1.2	1.3	83	13.7	143	76	32	0	0	5	0
VT BURLINGTON	82	61	89	51	72	2	1.7	.9	1.6	8.8	135	22.4	124	93	52	0	0	2	1
VA NORFOLK	89	74	92	73	82	3	1.2	-.1	.6	4.1	53	14.7	58	94	58	3	0	5	1
RICHMOND	90	72	96	70	81	3	5.0	3.8	3.0	8.3	106	19.1	79	99	59	4	0	5	3
ROANOKE	91	70	98	65	81	5	1.2	.4	.6	3.5	56	14.5	64	93	50	4	0	3	2
WA COLVILLE	85	57	93	51	71	2	1.3	.2	1.2	2.7	129	14.7	152	76	32	2	0	2	0
QUILLAYUTE	63	51	69	48	57	-3	T	T	T	4.8	95	64.1	116	98	74	0	0	2	0
SEATTLE-TACOMA	73	54	80	52	63	-2	T	T	T	1.8	89	20.5	104	85	50	0	0	0	0
SPOKANE	84	55	91	52	70	-1	T	T	T	.9	54	10.0	105	69	23	1	0	1	0
YAKIMA	89	56	95	51	73	2	0	0	0	.3	46	5.2	116	71	22	3	0	0	0
WV BECKLEY	84	65	87	63	75	5	2.1	1.1	.9	8.3	110	21.4	83	100	63	0	0	3	2
CHARLESTON	90	68	93	66	79	4	1.0	-.3	.6	9.4	120	23.9	93	99	54	4	0	3	1
HUNTINGTON	91	69	95	65	80	4	1.2	-.8	.2	8.8	120	19.8	80	94	48	4	0	2	0
PARKERSBURG	87	68	92	63	78	3	1.2	-.8	.2	9.5	113	20.2	75	98	53	2	0	1	0
WI GREEN BAY	84	61	90	55	73	3	1.7	1.0	1.2	8.4	142	15.8	99	94	48	1	0	2	1
LA CROSSE	87	65	94	60	76	2	1.9	0	.6	7.4	100	15.4	87	95	45	1	0	1	1
MADISON	86	64	93	57	75	4	1.1	.2	1.1	7.0	99	16.5	93	97	50	0	0	1	1
MILWAUKEE	82	66	91	64	74	3	1.3	.5	1.3	10.0	152	21.1	116	94	42	1	0	1	1
WAUSAU	83	62	89	57	72	2	1.1	.2	1.0	7.1	98	14.1	80	93	46	0	0	3	1
WY CASPER	82	56	86	52	69	-3	1.3	.1	1.1	4.9	229	9.9	127	81	29	0	0	5	0
CHEYENNE	80	53	83	49	67	-3	1.2	-.2	-.1	3.4	96	7.8	87	78	29	0	0	5	0
LANDER	80	55	85	51	68	-5	1.7	.6	.5	1.2	56	6.9	75	66	26	0	0	5	0
SHERIDAN	83	54	87	51	68	-3	T	T	T	3.8	126	9.4	94	79	28	0	0	1	0
PR SAN JUAN	90	76	92	72	83	1	1.1	-.1	.1	2.7	31	29.3	116	90	57	5	0	2	0

Based on 1951-80 normals.

Cooling Degree Day Data Weekly Summary

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 7-26-1986
ACCUMULATIONS ARE FROM JANUARY 1
\*\* = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK WEEK, CUM TOTAL, CUM DEV, CUM DEV, CUM DEV, CUM DEV. It lists cooling degree days for various cities across the United States, including Birmingham, Houston, Phoenix, and many others.

## National Agricultural Summary

July 21 to 27, 1986

**HIGHLIGHTS:** Rain across most of the Southeast provided some relief from the hot, dry conditions, but crops showed very little improvement. Adequate moisture continued pushing crop development ahead of normal throughout the Corn Belt and central and northern Great Plains. Farmers were able to work 5 to 6 days in most areas of the country. Soil moisture remained critically short in the Southeast. Dryness was becoming more prevalent in the Delta States and began moving into the central Plains. A few States in the Corn Belt were a little short on moisture.

Winter wheat reached 87 percent (%) harvested, equaling 1985 but 3 points ahead of the 5-year average. Harvest was complete or nearing completion in most areas except in the northern Plains, the Rocky Mountain States, and the Pacific Northwest. Spring wheat harvest was just beginning but was behind normal in Montana, North Dakota, and South Dakota. Corn acreage in the dough stage reached 20% completion, doubling the average. Seventy-seven percent of the acreage was silking compared with 58% normally. Development continued accelerating ahead of normal in the Corn Belt and central and northern Plains. Soybeans were blooming on 66% of the acreage and 29% was setting pods. Soybean blooming was 10 points ahead of normal and pod setting was 11 points ahead of normal. Soybeans were mostly good in the northern half of the Nation, but low moisture slowed growth in the Delta. Sorghum was 47% headed, 8 points ahead of 1985 and 10 points ahead of the average. Inadequate moisture slowed cotton development in the Delta. Eighty-nine percent of the acreage was squaring and 56% setting bolls. Normally, squaring would be 88% finished and 52% would have set bolls. Rice was 3% harvested and limited to Louisiana and Texas. Dry conditions continued forcing early marketing of livestock in the Southeast. Hay and other feed that farmers donated in the northern States began arriving in the Southeast.

**SMALL GRAINS:** Winter wheat was 87% harvested, equaling 1985 but 3 points ahead of normal. Harvest was nearly finished in all major producing States except Colorado, Idaho, Michigan, Montana, Oregon, South Dakota, and Washington. Sixty percent of the winter wheat was harvested in Michigan this past week. South Dakota's wheat harvest increased 34 points from the previous week to 69% finished, 8 points ahead of normal. Plowing under wheat stubble was nearing completion in Oklahoma.

Spring wheat was 2% harvested, 5 points behind last year and 3 points behind normal. Harvest lagged 13 points behind normal in South Dakota. Harvest was not underway in Montana and North Dakota but normally would have been started by this time.

**CORN:** Corn condition was mostly good to excellent in the Corn Belt and central and northern Plains. Adequate moisture continued pushing development ahead of schedule. Scattered and sometimes heavy showers did very little to change the mostly poor condition in the Southeast. In the 17 major producing States, 77% of the acreage was silking, 19 points ahead of the average and slightly ahead of 1985. Twenty percent of the acreage had ears in the dough stage, which doubled the average. Silking and doughing was ahead of normal in nearly all States. Corn harvest was underway from Georgia to Texas. In Illinois, corn reached the dent stage.

**SOYBEANS:** Soybeans were mostly good through the central and northern Plains and the Corn Belt. Moisture supplies shortened in the Delta causing the crop condition to decline. Soybeans were mostly fair to poor in this area. In the Southeast, soybeans were mostly poor. Soybean acreage blooming equaled 1985 at 66% finished but was 10 points ahead of normal. Pods set was 11 points ahead of the 18% average. Soybeans setting pods was ahead of normal in all States except Georgia and North Carolina. Soybeans were setting pods more than 3 times faster than normal in Arkansas. In Minnesota, Pennsylvania, and South Dakota soybeans had not reached the pod setting stage.

**SORGHUM:** Sorghum was 47% headed compared with 39% in 1985 and 37% average. Heading lagged behind normal in South Dakota and Texas. Sorghum developed ahead of schedule in Kansas. Sorghum was 38% harvested in Texas compared with 32% average. Harvest moved well from the Blacklands south to Coastal Bend.

**COTTON:** Cotton was mostly fair to good in the Delta. The poor condition still existed in the Southeast despite rain. Cotton was mostly good in the Southwest. Inadequate moisture slowed growth in the Delta. Hot, dry conditions caused plants to shed bolls in Texas. In the 14 major producing States, 89% of the acreage was squaring and 56% was setting bolls. Normally 88% would be squaring and 52% would be setting bolls.

**OTHER CROPS:** Rice was 49% headed, 10 points ahead of normal. Heading ranged from none headed in California to near completion in Texas. Harvest was underway in Louisiana and Texas and equaled the average in both States.

Tobacco curing and harvest continued in Florida. Georgia's harvest was 39% finished. Tobacco harvest lagged 8 points behind normal in North Carolina and 11 points behind normal in South Carolina. Topping and suckering were the major activities in the Burley Belt.

Peanut conditions remained mostly stable in the Southeast. However, the lack of adequate moisture continued taking its toll. Rain provided relief, but much more is needed to spur proper growth and development. Peanuts progressed well in Texas. Disease was minimal and farmers irrigated steadily.

**FRUIT AND NUTS:** Florida's citrus groves were good. Adequate moisture produced abundant new foliage. Old crop fruit harvest was virtually complete. Peach harvest slowed in the Southeast but gained momentum in the northern producing areas. Tart cherry harvest continued in Michigan. Fruit harvest gained momentum in the northern producing areas. In California, freestone peach harvest neared completion. Early variety cling peaches were picked. Hot weather caused some fruit droppage.

**VEGETABLES:** Fall vegetable land preparation was active in Florida. Fall tomatoes were planted in Gadsden County. Land preparation and planting were the major activities in Texas. Potatoes, cucumbers, and cantaloupes were harvested. California vegetable producers harvested artichokes, broccoli, carrots, cauliflower, celery, sweet corn, cucumbers, lettuce, and melons. Growers preirrigated fields for fall lettuce planting.

(Continued to back cover)

**CROP PROGRESS**

FOR WEEK ENDING JULY 27, 1986

	RICE % HEADED		
	1986	1985	AVG.
ARK	35	19	12
CALIF	0	5	4
LA	82	69	63
MISS	68	66	31
TEX	94	59	89

	RICE % HARVESTED		
	1986	1985	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	7	7	7
MISS	0	0	0
TEX	10	2	10

	SPRING WHEAT % HARVESTED		
	1986	1985	AVG.
IDAHO	1	0	0
MINN	2	4	2
MONT	0	5	2
N DAK	0	2	1
S DAK	12	27	25

	WINTER WHEAT % HARVESTED		
	1986	1985	AVG.
ARK	100	100	100
CALIF	98	97	96
COLO	88	91	81
GA	100	100	100
IDAHO	14	9	6
ILL	100	100	100
IND	99	100	98
KANS	100	100	100
MICH	85	90	60
MO	100	100	95
MONT	10	15	10
NEBR	96	96	90
N MEX	100	NA	NA
N C	100	100	100
OHIO	96	97	96
OKLA	100	100	100
OREG	18	21	14
S DAK	69	79	61
TEX	100	100	100
WASH	25	25	17

5 STATES 49 35 32

5 STATES 3 2 3

5 STATES 2 7 5

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

20 STATES 87 NA NA

EXCL. STATES WITH NA 87 87 84

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	COTTON % SQUARING		
	1986	1985	AVG.
ALA	100	100	97
ARIZ	100	100	100
ARK	100	100	100
CALIF	100	100	94
GA	97	98	97
LA	100	99	96
MISS	100	100	99
MO	100	100	94
N MEX	95	99	97
N C	98	99	89
OKLA	65	85	55
S C	98	100	100
TENN	96	97	93
TEX	79	73	81

	COTTON % SETTING BOLLS		
	1986	1985	AVG.
ALA	78	90	71
ARIZ	95	80	90
ARK	96	95	83
CALIF	70	75	58
GA	68	90	79
LA	96	95	75
MISS	93	98	68
MO	85	91	71
N MEX	50	90	85
N C	66	84	65
OKLA	20	40	10
S C	86	90	90
TENN	60	55	50
TEX	30	31	36

14 STATES 89 87 88

14 STATES 56 59 52

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

	CORN % SILKING		
	1986	1985	AVG.
COLO	45	51	34
GA	100	100	98
ILL	97	93	83
IND	85	85	65
IOWA	85	85	64
KANS	85	75	55
KY	88	85	69
MICH	60	50	45
MINN	48	56	37
MO	95	91	66
NEBR	85	75	50
N C	98	98	94
OHIO	86	80	56
PA	47	34	37
S DAK	29	33	30
TEX	96	90	NA
WIS	52	42	33

	CORN % DOUGH		
	1986	1985	AVG.
COLO	12	8	7
GA	97	100	90
ILL	45	32	23
IND	20	15	10
IOWA	7	4	1
KANS	25	25	10
KY	37	26	8
MICH	5	1	1
MINN	0	0	0
MO	59	57	27
NEBR	15	4	3
N C	80	83	71
OHIO	15	16	10
PA	0	0	0
S DAK	0	0	0
TEX	75	68	NA
WIS	1	4	1

17 STATES 78 75 NA

17 STATES 21 17 NA

EXCL. STATES WITH NA 77 74 58

EXCL. STATES WITH NA 20 15 10

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

	SOYBEANS % SETTING PODS		
	1986	1985	AVG.
ALA	23	25	20
ARK	23	3	7
GA	8	25	12
ILL	55	43	32
IND	20	20	15
IOWA	35	38	32
KANS	25	15	5
KY	15	13	10
LA	37	24	22
MICH	10	5	5
MINN	18	13	10
MISS	17	20	14
MO	39	34	17
NEBR	35	30	10
N C	3	7	5
OHIO	30	22	20
S C	7	6	0
S DAK	17	13	10
TENN	15	14	10

19 STATES 29 25 18

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

WEEKLY CROP WEATHER CONDITION PERCENT REPORT  
FOR WEEK ENDING JULY 27, 1986

	GRAIN SORGHUM % HEADED		
	1986	1985	AVG.
ARK	77	NA	NA
ILL	55	NA	NA
KANS	25	10	10
LA	98	91	84
MISS	73	79	59
MO	57	45	41
NEBR	40	20	15
OKLA	30	35	25
S DAK	8	8	11
TENN	70	60	NA
TEX	70	71	72
11 STATES	50	NA	NA
EXCL. STATES WITH NA	47	39	37
THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.			

	SOYBEANS % BLOOM		
	1986	1985	AVG.
ALA	48	48	44
ARK	35	26	21
GA	31	58	36
ILL	90	82	74
IND	75	75	65
IOWA	80	84	72
KANS	60	40	35
KY	44	44	34
LA	65	58	48
MICH	45	45	50
MINN	82	77	70
MISS	33	63	49
MO	67	64	44
NEBR	85	85	70
N C	16	19	25
OHIO	78	72	65
S C	21	35	24
S DAK	52	66	67
TENN	40	40	40
19 STATES	66	66	56

THESE 19 STATES PRODUCED 96%  
OF THE 1985 SOYBEANS CROP.

STATE	SPRING WHEAT				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
IDAHO	0	0	42	58	0
MINN	0	3	27	66	4
MONT	0	2	35	59	4
N DAK	0	0	13	85	2
S DAK	0	2	18	67	13

STATE	RICE				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	17	78	5
CALIF	0	0	0	70	30
LA	0	0	24	61	15
MISS	10	12	37	41	0
TEX	0	0	30	58	12

STATE	CORN				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
COLO	0	3	19	62	16
GA	30	39	26	4	1
ILL	0	0	1	37	62
IND	NA	0	13	68	19
IOWA	0	0	5	49	46
KANS	0	0	8	23	69
KY	2	8	41	44	5
MICH	2	3	20	50	25
MINN	0	1	17	52	30
MO	1	4	17	50	28
NEBR	0	0	3	46	51
N C	NA	61	23	14	2
OHIO	0	1	6	54	39
PA	2	5	23	46	24
S DAK	0	1	5	75	19
TEX	0	4	16	52	28
WISC	0	0	4	51	45

STATE	GRAIN SORGHUM				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	9	58	29	4
ILL	0	0	4	81	15
KANS	0	0	8	37	55
LA	0	0	37	63	0
MISS	6	12	61	21	0
MO	5	13	34	42	6
NEBR	0	0	8	70	22
OKLA	0	2	35	63	0
S DAK	0	4	17	73	6
TENN	2	11	78	9	0
TEX	0	0	27	56	17

STATE	COTTON				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	3	11	62	24	0
ARIZ	0	0	0	90	10
ARK	0	17	29	45	9
CALIF	0	0	0	80	20
GA	17	29	48	6	0
LA	0	15	66	18	1
MISS	6	19	53	22	0
MO	8	30	54	8	0
N MEX	0	0	33	67	0
N C	NA	13	62	21	4
OKLA	0	10	60	30	0
S C	43	43	14	0	0
TENN	2	7	32	54	5
TEX	0	4	46	42	8

STATE	SOYBEANS				
	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	5	22	71	2	0
ARK	0	32	44	24	0
GA	29	39	30	2	0
ILL	0	0	8	57	35
IND	NA	3	22	66	9
IOWA	0	0	16	62	22
KANS	0	0	3	31	66
KY	3	9	32	53	3
LA	0	15	61	24	0
MICH	2	3	25	50	20
MINN	1	2	32	55	10
MISS	15	42	37	6	0
MO	4	5	37	47	7
NEBR	0	0	7	65	28
N C	NA	47	32	21	0
OHIO	0	6	14	67	13
S C	29	35	32	4	0
S DAK	4	0	10	75	11
TENN	9	39	47	5	0

NA - NOT ASKED

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Temperatures averaged 2 to 5° above normal. Rainfall totals mostly under 1.00 in. Several locations 2.00 to 3.00 in.

Days suitable for fieldwork 6.2. Soil moisture 95% short, 5% adequate. Showers have been scattered, more needed to help crops. Primary activities: Harvesting hay, fruits, vegetables; cultivating row crops; spraying for insects on cotton, pecans, fruits, vegetables; general care of livestock, poultry.

**ALASKA:** Railbelt-wide, seasonal, welcome rain promoted crop growth. Temperatures ranged 11° below normal to 3° above normal. Seasonal precipitation ranged 3.61 in. wetter than normal to 1.80 in. drier than normal.

Days suitable for fieldwork 3.0. Topsoil moisture 98% adequate, 2% surplus. Subsoil moisture 5% short, 92% adequate, 3% surplus. Crop growth moderate to rapid. Barley for grain headed; up to 85% in dough with small percentage turning color. Barley for grain 54% poor, 24% fair, 15% good, 7% excellent. Hay harvest 90% complete. Commercial vegetables, potatoes showed excellent growth. Potatoes hilled, 80% starting to bloom. Head lettuce, radish, leaf lettuce, Romaine and other green harvest continued.

**ARIZONA:** Showers, thunderstorms 20th to 23rd. By 25th no precipitation anywhere. Rainfall varied, mostly between 0.25 to 1.00 in., except over 2.00 in. Flagstaff. Average temperatures 2 to 8° below seasonal normals.

Hay cutting; crop mostly good. Insects, diseases, weeds light to moderate. Western cotton opening. Control measures for pink bollworms, boll weevils, lygus applied. Corn silage harvest central. Grain corn harvest advanced west. Seeding progress fall harvested corn 85% completed. Southeast, central grain corn acreages tasseling. Sorghum good, heading. Sorghum silage cut central. In west, peanuts, sudan grass excellent, sesame planting completed. Cantaloups, honeydews, watermelons, other melons shipped. Grapes finished. Mixed vegetables packed. Potato digging began southeast. Peaches harvested. Lemons harvested west.

**ARKANSAS:** Extremely hot, dry week with isolated showers. Temperature extremes 61°; 109°. Rainfall none to 1.93 in.

Days suitable for fieldwork 7.0. Soil moisture 97% short, 3% adequate. Crop growth slow. Major activities: Baling hay; irrigating; applying herbicides, insecticides; and scouting for diseases and insects. Final fertilization of rice underway. Pasture growth slowed. Spraying livestock for insects, external parasites. Cattle marketing accelerated due to limited supply of forage.

**CALIFORNIA:** Normal, above normal temperatures over region. Midweek low pressure developed off central coast. Low combined with high pressure over desert area brought moist subtropical air over region. Showers over southern interior, Sierra Nevada.

Another excellent week, farmers active in fields. Winter wheat, barley harvests virtually complete. Preparing harvested fields, second crop. Rice, good condition. Cotton fields developing well. Spraying cotton fields, control lygus, mites. Safflower, corn, sunflower, dry beans, developing well. Alfalfa hay continued harvest. Apple

orchards sprayed, worm control. Hass avocados harvested, Riverside County. Mildew, leafhoppers problem many grape growers. Table varieties harvested; Flame Seedless, Thompsons, Exotics. Freestone peach harvest nearing completion, varieties; Fayette, Babcock, OHenry. Early varieties Cling peaches picked. Some fruit drop, due hot weather. Sacramento Valley Bartlett pear picking continued. Nectarine harvest included Fantasia, late LeGrand. Plum packing mostly complete. Stone fruit quality generally good, strong prices, demand. Valencia oranges picked, volume reported light, quality declining. Almond growers anticipating August 1 start. Central valley walnuts treated codling moth. Artichokes moderate, variable quality; central coast. Broccoli moderate, generally good; Salinas, Santa Maria. Carrot fairly heavy, generally good; San Joaquin Valley, Salinas. Cauliflower moderate, generally good; Salinas, Santa Maria. Celery fairly light; Salinas moderate, Santa Maria; generally good. Sweet corn, cucumber harvests active; San Joaquin Valley, south coast. Lettuce moderate, variable quality; Salinas. Growers pre-irrigating fields, fall lettuce; San Joaquin Valley, Palo Verde Valley. Cantaloup, honeydew harvests going strong, Sacramento Valley, San Joaquin Valley; good quality. Watermelon harvest continued, good quality, demand, light movement few areas. Price fluctuations caused reduction marketing. Dry onion digging active Perris-Hemet. Dehydrator onion harvest continued Westside, growers Tulelake-Butte Valley applying thrip control. Summer potato harvest active Riverside County. Packing sheds Tulelake-Butte Valley continued move 1985 fall potatoes improved prices received; 1986 fall crop normal, smaller sets some areas. Aphids, hollow heart show up Butte Valley. Processing, fresh market tomato harvest continued San Joaquin Valley; good quality. Harvest essentially over; Tulare County. Showers received some mountain areas but most summer grazing districts need rains. Fire hazard high most lower ranges. Grass fires increasing problem. Stockwater supplies becoming short few districts.

**COLORADO:** Temperatures averaged 2° above to 4° below normal. Precipitation totals averaged 0.01 to 3.32 in.

Days suitable for fieldwork 5.2. Soil moisture 14% very short, 32% short, 44% adequate, 10% surplus. Corn silking. Barley ripe 50%, 52% 1985, 40% avg.; harvested 40%, 43% 1985, 27% avg. Dry beans flowering 55%, 55% 1985, 42% avg. Livestock good; range, pasture fair to mostly good.

**FLORIDA:** Increased showers, thunderstorms statewide produced near or above normal rainfall most areas. Temperatures lowered in rain areas to near or below seasonal normals.

Soil moisture short Panhandle, northern areas, adequate elsewhere. Corn harvest underway, yield reduced. Tobacco harvest, curing continued. Cotton improved with recent rainfall western Panhandle. Soybeans, peanuts poor in dry, good elsewhere. Hay harvest continued. Sugarcane good. Panhandle, northern pastures fair to poor, except good where rain fell; elsewhere grazing good. Cattle fair to poor where dry; elsewhere, good. Citrus groves very good. Adequate moisture, abundant new foliage. Old crop harvest virtually complete. New crop fruit progressing well. Fruit sizes good for midsummer. Caretakers very busy with normal summer cultural practices. Showers

most areas provided some relief previous dry conditions vegetable producing areas. Temperatures ranged lows 70s, highs 90s to 100s. Rainfall variable, some locally heavy. Planting fall tomatoes underway Gadsden County. Land preparation fall acreage active central, west central, Ft. Pierce, Pompano. Light supplies summer crops available mostly northern areas.

**GEORGIA:** Rainfall usual variability. Macon 0.04 in. while 7.52 in. Nacoochee. Most totals under 2.00 in. Rain up to 6 days. Most locations rain 3 days. Highest temperature 106° Macon. Lowest temperature 64° Clayton. Temperatures of 100° or higher on 1 day nearly statewide. Average temperatures 5° above normal.

Days suitable for fieldwork 5.8. Soil moisture 70% very short, 25% short, 5% adequate. Corn 84% dent, 91% 1985, 70% avg.; 66% mature, 50% 1985, 39% avg.; 11% harvested, 7% 1985, 4% avg. Sorghum grain 17% very poor, 54% poor, 28% fair, 1% good; 100% planted, 99% 1985, 96% avg. Peanuts 13% very poor, 22% poor, 56% fair, 9% good; 96% blooming, 99% 1985, 98% avg.; 82% pegging, 95% 1985, 92% avg. Soybeans 100% planted, 100% 1985, 100% avg. Tobacco 6% very poor, 26% poor, 62% fair, 6% good; 39% harvested, 43% 1985, 43% avg. Watermelons 13% very poor, 37% poor, 48% fair, 2% good; 91% harvested, 92% 1985, 78% avg. Apples 11% very poor, 31% poor, 50% fair, 8% good; 19% harvested, 16% 1985, 14% avg. Peaches 2% very poor, 28% poor, 58% fair, 12% good; 95% harvested, 98% 1985, 86% avg. Pecans 14% very poor, 29% poor, 54% fair, 3% good. Pasture 54% very poor, 32% poor, 12% fair, 2% good. Hay 57% very poor, 32% poor, 10% fair, 1% good. Cattle 11% very poor, 42% poor, 42% fair, 5% good. Hogs 5% very poor, 20% poor, 46% fair, 29% good. Main activities: Irrigating where available, selling cattle or purchasing hay, harvesting tobacco, applying insect sprays.

**HAWAII:** Conditions poor to fair. Hurricane Estelle passed south, causing hurricane watch. Agriculture escaped relatively unscathed. Rainfall increased, thundershowers some areas. Temperatures ranged upper 60s to lower 90s. Rainfall ranged 0.10 to 10.20 in.

Days suitable for fieldwork 7.0. Pineapple, sugarcane harvesting active. Banana, papaya orchards fair; output low. Leafy vegetables fair to good; disease reduced yields some areas.

**IDAHO:** Temperatures slightly below normal. Rainfall Panhandle, Southeast.

Days suitable for fieldwork 6.0. Small grains progressing well, harvest of winter wheat active. Spring wheat, barley mostly turning. Second cutting alfalfa hay underway, quality good. Potatoes developing well, closing middles, some turning. Range, pasture good, grazing adequate. Livestock good. Grasshopper, insect infestation moderate, spraying as needed.

**ILLINOIS:** Temperatures averaged none to 3° above normal. Precipitation 0.08 to 1.88 in, heaviest north, central.

Days suitable for fieldwork 6.5. Soil moisture 31% short, 68% adequate, 1% surplus. Corn dent 9%, 5% 1985, 2% avg. Oats ripe 100%, 98% 1985, 92% avg.; harvested 80%, 82% 1985, 62% avg. Alfalfa 16% fair, 67% good, 17% excellent; alfalfa 2nd crop cut 90%, 92% 1985, 84% avg.; alfalfa 3rd crop cut 20%, 17% 1985, 9% avg. Pasture 3% poor, 30% fair, 54% good, 13% excellent. Major farm activities: Harvesting hay, walking soybeans, mowing roadsides and tending livestock.

**INDIANA:** Temperatures averaged 1 to 3° warmer than normal, ranging from upper 80s north to middle 90s south daytime to upper 50s to middle 60s at night. Precipitation totals highly variable.

Totals from 1.00 to 2.50 in. north to 0.10 to 0.75 in. south.

Fieldwork averaged 6.5 days. Topsoil moisture 54% short, 46% adequate. Subsoil moisture 19% short, 79% adequate, 2% surplus. Corn 80 in. high, 78 in. 1985, 72 in. avg. Corn mostly good to excellent. Soybeans 24 in. high, 26 in. 1985, 22 in. avg. Soybeans fair to mostly good. Oats 80% combined, 80% 1985, 65% avg. Alfalfa 70% cut twice, 90% 1985, 80% avg. Rye 90% combined, 96% 1985, 90% avg. Dry weather allowed wheat harvest wrap-up north. Pasture condition drop sharply due to hot, dry weather. Pasture mostly fair.

**IOWA:** Hot, humid week; spotty rainfall. Thunderstorms, locally damaging 24th, 25th.

Days suitable for fieldwork 6.2. Topsoil moisture 29% short, 68% adequate, 3% surplus; subsoil moisture 3% short, 93% adequate, 4% surplus. Oats 1% very poor, 4% poor, 39% fair, 48% good, 8% excellent; harvested 85%, 94% 1985, 63% avg. Winter wheat good to fair; harvested 96%, 98% 1985, 87% avg. Hay 3% poor, 24% fair, 58% good, 15% excellent. Second crop alfalfa harvested 78%, 94% 1985, 76% avg.; 2nd crop clover harvested 52%, 72% 1985, 47% avg. Corn continued rapid maturity; tasseled 95%, 94% 1985, 83% avg.; milk stage 25%, 23% 1985, 10% avg. Soybeans maturing rapidly. Livestock mostly good; some heat stress. Some dry pastures, mostly good to fair.

**KANSAS:** Precipitation averaged little to none Southeast, 0.60 to 0.90 in. west central, southwest and south central, 0.10 to 0.30 in. elsewhere. Temperatures averaged 78° northwest to 83° southeast; near normal north central and south central, 3° above normal southeast.

Days suitable for fieldwork 6.5. Topsoil moisture 55% short, 45% adequate. Moisture availability down from last week. Sorghum developing ahead schedule. Greenbug populations moderate to heavy west. Treatment where necessary. Corn crop ahead, corn borers active. Spider mite buildup southwestern counties. Soybean crop ahead, no insect or disease problems. Range, pasture excellent east, good central, fair west. Third cutting alfalfa nearing halfway mark.

**KENTUCKY:** Hot humid conditions dominated weather last week. Highs averaged upper 80s middle 90s. Few areas exceeded 100°. Low temperatures remained 65 to 75°. Average minimum humidity above 45% maximum levels close saturation each day. Many parts State didn't receive rain. Other areas experienced sporadic showers, thunderstorms. Average rainfall measure less 0.50 in., although isolated amounts excess to 2.00 in. reported.

Days suitable for fieldwork 5.9. Soil moisture 32% very short, 57% short, 11% adequate. Corn generally fair to good. Dry hot weather stressed corn as it pollinates and ears fill. Soybean development continued to keep pace with last year. Tobacco 2% very short, 15% poor, 52% fair, 28% good, 3% excellent. Crop continued uneven and stressed. Burley 15% topped, 23% 1985; 52% blooming, 72% 1985, 27% avg. Dark tobacco 53% blooming. Hay harvest continued active. Hay 4% very poor, 30% poor, 47% fair, 17% good, 2% excellent. Pasture condition varied. Some farmers feeding hay due poor grazing. Sorghum generally fair to good.

**LOUISIANA:** Temperature 1 to 3° above normal. Temperature extremes 69°; 100°. Rainfall averaged 0.60 to 1.90 in.

Days suitable for fieldwork 5.3. Soil moisture 47% short, 43% adequate, 10% surplus. Corn good; 99% dough stage, 96% 1985, 92% avg.; 54% mature, 59% 1985, 53% avg.; 9% harvested, 5% 1985, 12% avg. Rice 15% ripe, 17% 1985, 14% avg. Sorghum 61% turning color, 51% 1985, 44% avg.; 7% ripe, 7%

1985, 7% avg. Sweetpotatoes fair to good; 2% harvested, 4% 1985, 4% avg. Sugarcane, pasture, livestock good; vegetables fair. Main activities: Fertilizing pastures, baling hay, harvesting corn, rice. Irrigation of cotton and soybeans increasing northeast.

**MARYLAND & DELAWARE:** Maryland: Temperatures averaged 3° above normal over State; lowest temperature 60° Oakland, Hancock; highest temperature 100° College Park. Precipitation averaged 1.18 in., ranging from 0.21 to 2.52 in.

Days suitable for fieldwork 5.7. Topsoil moisture short. Subsoil moisture very short. Field corn 74% silked, 83% 1985, 74% avg.; 32% dough, 48% 1985, 28% avg.; 6% dent. Corn poor to fair. Soybeans 21% blooming, 39% 1985, 29% avg. Soybeans fair. Tobacco 28% blooming. Tobacco fair to good. Potatoes 67% harvested, 36% 1985, 39% avg. Watermelons 37% harvested. Tomatoes 27% harvested. Pasture poor. Alfalfa 3rd cutting 34% harvested, 40% 1985, 24% avg. Peaches 49% harvested, 53% 1985.

Delaware: Temperatures averaged 10° above normal over State; lowest temperature 63° Milford; highest temperature 92° Georgetown. Precipitation averaged 0.57 in., ranging from none to 1.60 in.

Days suitable for fieldwork 6.7. Topsoil moisture very short to short. Subsoil moisture very short. Field corn 91% silked, 77% 1985, 77% avg.; 41% dough, 21% 1985, 21% avg. Corn fair. Soybeans 37% blooming, 40% 1985, 23% avg. Soybeans fair. Sweet corn 50% harvested, 45% 1985, 47% avg. Potatoes 35% harvested, 36% 1985, 38% avg. Cantaloupes 31% harvested. Snap beans 73% harvested, 13% 1985, 8% avg.

MICHIGAN: Temperatures ranged 1 to 40° above normal. Temperature extremes 40°; 92°. Precipitation ranged from 0.10 to 3.80 in.

Days suitable for fieldwork 5.4. Soil moisture 20% short, 65% adequate, 15% surplus. Corn 60% silked, 50% 1985, 45% avg.; 2% very poor, 3% poor, 20% fair, 50% good, 25% excellent. Soybeans 45% bloomed, 45% 1985, 50% avg.; 2% very poor, 3% poor, 25% fair, 50% good, 20% excellent. Wheat 85% harvested, 90% 1985, 60% avg. Dry beans 40% bloomed, 50% 1985, 50% avg. Wheat test weights, quality disappointing. Major farm activities: Harvesting wheat, hay, potatoes, tart cherries, peaches, blueberries.

MINNESOTA: Temperatures averaged 1 to 30° above normal. Temperature extremes 48°; 94°. Precipitation averaged 0.14 to 0.48 in. below normal north central, south central; 0.39 to 1.03 in. above normal elsewhere.

Days suitable for fieldwork 4.7. Topsoil moisture 4% short, 74% adequate, 22% surplus. Mild, wet week for most of State. Spring wheat 56% turning ripe, 69% 1985, 67% avg.; 4% cut, 10% 1985, 6% avg. Oats 80% turning ripe, 88% 1985, 83% avg.; 20% cut, 44% 1985, 22% avg.; 12% combined, 25% 1985, 10% avg. Barley 68% turning ripe, 82% 1985, 82% avg.; 10% cut, 21% 1985, 23% avg.; 2% combined, 9% 1985, 7% avg. Field corn 5% milk, 7% 1985, 4% avg. Winter wheat 23% harvested, 28% 1985, 18% avg. Rye 28% harvested, 24% 1985, 17% avg.

MISSISSIPPI: Temperatures normal to 6° above normal, extremes 63°; 103°. Afternoon, evening thunderstorms over central, southern counties. Greatest 24-hour total 2.00 in.

Days suitable for fieldwork 6.2, 4.0 1985, 5.1 avg. Soil moisture 43% very short, 47% short, 10% adequate. Corn 4% very poor, 15% poor, 34% fair, 33% good, 14% excellent; 97% silking, 97% 1985, 94% avg.; 78% dough stage, 87% 1985, 76% avg.; 46% dented; 19% mature, 25% 1985, 19% avg.; 1% harvested. Watermelons 60% harvested, 73% 1985,

60% avg. Peaches 85% harvested, 80% 1985, 73% avg. Hay 64% harvested, 65% 1985, 66% avg. Corn silage 33% harvested, 25% 1985, 19% avg. Sorghum silage 21% harvested, 30% 1985.

MISSOURI: Hot, humid conditions continued with some relief northern State. Little or no rain most areas.

Days suitable for fieldwork 6.3. Soil moisture 52% short, 47% adequate, 1% surplus. Oats harvested 99%, 100% 1985, 89% avg. Alfalfa 3rd cutting 48%, 24% 1985, 20% avg. Other hay cut 91%, 91% 1985, 86% avg. Pasture 6% very poor, 29% poor, 43% fair, 20% good, 2% excellent.

MONTANA: Rain light to moderate southwest, amounts 0.33 in. Dry much of State, showers 0.10 to 0.25 in. High temperatures upper 80s to mid 90s many areas. Cooling trend later. Temperatures averaged 1 to 2° below normal except extreme east slightly above normal.

Days suitable for fieldwork 6.2. Topsoil moisture 51% short, 49% adequate. Subsoil moisture 20% short, 80% adequate. Aphids causing some damage on late planted spring grains. Barley 3% poor, 34% fair, 61% good, 2% excellent. Barley turning color 55%, 85% 1985, 55% avg. Second cutting alfalfa hay 20%, 40% 1985, 15% avg. Stockwater supplies mostly adequate.

NEBRASKA: Precipitation amounts averaged none to 3.00 in. Temperatures normal Panhandle to 3° above normal east. Temperatures extremes 52°; 99°.

Days suitable for fieldwork 6.9. Topsoil moisture 60% short, 40% adequate. Subsoil moisture 14% short, 86% adequate. Corn excellent to good. Soybeans, sorghum mostly good to excellent. Farmers continued to scout, spray fields for greenbugs. Second cutting alfalfa 90%, 90% 1985, 75% avg. Potato leaf hopper damage east central. Alfalfa mostly good to fair. Oats harvested 85%, 85% 1985, 65% avg. Pasture, range mostly adequate. Livestock gains slowed by hot, humid weather. Pastures holding up, supplemental feed needed if dry conditions continued.

NEVADA: Week characterized by influx subtropical moisture. Thunderstorms resulting led to rainfall all areas. Few reports up to 2.50 in. Cloud cover associated with moisture kept temperatures 1 to 7° below normal all areas entire period.

Fieldwork, alfalfa hay harvesting operations brought to standstill by windy, wet weather all areas. Potatoes showing exceptional growth.

NEW ENGLAND: Precipitation near normal, 0.50 to 1.00 in. Maine, northern New Hampshire, southern Vermont, and Connecticut, 1.00 to 1.75 in. elsewhere. Mean temperatures 67 to 69° north, 70 to 77° elsewhere; 2 to 4° above normal.

Days suitable for fieldwork 6.5. Soil moisture 5% very short, 15% short, 80% adequate. Grazing availability 15% short, 85% adequate. Fieldwork on schedule. Maine potatoes fair, crop needs rain. Elsewhere potatoes good. Field corn fair to good north, good to excellent south; corn height extremely variable. Southern States early sweet corn 15% picked; good to excellent. First crop hay 95% cut, 90% 1985, 95% avg. Second crop hay 35% cut, 30% 1985, 30% avg.; good to excellent. Shade tobacco 25% picked. Broadleaf tobacco 5% picked. Early apple, peach harvest underway. Cranberry prospects excellent. Major farm activities: Haying, harvesting vegetables, berries, cultivating, applying herbicides, insecticides.

NEW JERSEY: Temperatures averaged near normal. Extremes 55°; 93°. Rainfall averaged 0.82 in. north, 1.69 in. central, 0.38 in. south. Heaviest 24-hour total 2.13 in. on 26th, 27th. Estimated soil moisture percent field capacity averaged 70%

north, 65% central, 51% south. Four inch soil temperatures averaged 74° north, 76° central, south.

Heavy thunderstorms resulted in excessive topsoil moisture many areas. Field crop prospects improved. Summer vegetable marketings good. Irish potato digging general next week. Blueberry harvest declined. Peach movement good. Summer variety apple harvest active. Early drawn cranberry bogs colored. Oat combining active as conditions permit. Hay making halted by rain; 2nd cutting nearing completion. Field corn, soybean development improved.

**NEW MEXICO:** Weekly average temperatures 1 to 6° below normal over most of State, except 1 to 6° above normal central plains. Temperatures 38° northern mountains to 106° southeastern plains. Rain over entire State. Precipitation less than 0.10 southeastern plains, central highlands to above 1.25 northeastern plains, northern mountains.

Days suitable for fieldwork 6.3. Soil moisture 33% short, 59% adequate, 8% surplus. Hail damage 87% none, 13% light. Alfalfa 49% fair, 38% good, 13% excellent. Corn 62% good, 38% excellent. Barley 100% good. Irrigated grain sorghum 29% fair, 42% good, 29% excellent. Dryland grain sorghum 67% fair, 33% good. Pecans 25% fair, 50% good, 25% excellent. Apples 50% fair, 50% good. Chile 40% fair, 40% good, 20% excellent. Onions 100% good. Cattle 9% fair, 91% good. Sheep 100% good. Range 27% fair, 64% good, 9% excellent.

**NEW YORK:** Week began, ended with thunderstorms. Precipitation locally heavy. Elmira received 3.35 in. in 2.5 hours on 20th. Unofficial reports ranged upward to 5.00 in. Rest of week warm, humid. Most areas dry, widely scattered thundershowers some areas. Daytime temperatures 80s to low 90s.

Days suitable for fieldwork 5.0. Soil moisture generally adequate, some surplus western counties. Corn very good shape, much tasseled, silking began. Wheat harvest underway, sprouting due to heavy rains, high humidity. Oats turning quickly. First cutting alfalfa hay harvest 92% complete. Clover-timothy hay harvest 85% complete, 87% 1985. Good 2nd cutting yields, quality. Early potato harvest started. Tart cherry harvest winding down. Peach harvest continued. Early apple varieties harvest began. Pastures mostly good, some fair.

**NORTH CAROLINA:** Temperatures averaged 3 to 5° above normal across State. Temperature extremes 60°; 104°. Precipitation ranged from 0.02 to 4.18 in.

Days suitable for fieldwork 5.9. Soil moisture 51% very short, 32% short, 17% adequate. Corn mostly poor to fair, drought-stressed corn beyond relief. Corn for silage harvested 16%, 8% 1985, 3% avg. Cotton mostly fair to good, setting bolls. Soybeans mostly fair to good, flowering. Tobacco 20% poor, 50% fair, 30% good. Flue-cured tobacco harvested 11%, 9% 1985, 19% avg. Peanuts 56% fair, 44% good. Sweetpotatoes 7% poor, 45% fair, 45% good, 3% excellent. Apples 27% poor, 40% fair, 27% good, 6% excellent. Peaches harvested 77%, 66% 1984, 70% avg. Hay 75% poor, 19% fair, 6% good. Truck crops 38% poor, 41% fair, 21% good. Pasture 70% poor, 22% fair, 8% good. Major farm activities: Irrigating crops; cutting corn for silage; topping, suckering tobacco; cutting hay; cultivating soybeans, peanuts; harvesting vegetables, fruits, flue-cured tobacco; shearing Christmas trees; tending livestock; spraying soybeans, peanuts, cotton, tobacco, fruit trees; mowing; general farm maintenance.

**NORTH DAKOTA:** Scattered showers, thunderstorms all week. Temperatures almost 2° below normal north, west central to almost 2° above normal north west, east central; low 48° on 20th, high 96°

southeast 23rd. Precipitation averaged 0.15 in. west central to 0.76 in. north central.

Days suitable for fieldwork 5.4. Moisture supplies still much above normal. Topsoil 3% short, 84% adequate, 13% surplus. Excessive moisture slowing ripening, harvesting of small grains. Small grain ranged 10 to 19% fair, 78 to 87% good, 1 to 5% excellent. Hard red spring wheat turning and beyond 31%, 54% 1985, 22% avg.; durum wheat turning and beyond 18%, 34% 1985, 22% avg.; barley 51%, 76% 1985, 63% avg. With exception of potatoes, late season crops mostly good to excellent and crop progress is ahead of normal. Potatoes 48% fair, 52% good. Potatoes bloom or beyond 83%, 77% 1985, 74% avg.; flax bloom or beyond 80%, 84% 1985, 75% avg.; dry beans bloom or beyond 81%, 64% 1985, 64% avg.; sunflower bloom or beyond 14%, 4% 1985, 7% avg. Pastures 19% fair, 70% good, 11% excellent.

**OHIO:** Temperatures averaged near normal; lows mid 50s to low 60s, highs mid 80s to low 90s. Precipitation generally under 0.50 in.

Days suitable for fieldwork 6.7. Soil moisture 18% short, 82% adequate. Corn good to excellent, growing rapidly, no stress. Soybeans good, no significant problems. Few unharvested wheat fields getting weedy. Oat harvest conditions improved with dry weather. Hay, pastures fair to good. Hay curing weather improved, generally tonnage high, quality down. Sugarbeets good. Tobacco good; few aphids, some stands topped. Vegetable harvest included fresh market sweet corn, cabbage, squash and processing carrots, cucumbers. Fruit harvest included apples, peaches, blueberries.

**OKLAHOMA:** Temperatures averaged 2° below normal Panhandle to 4° above normal east central. Precipitation averaged none south central to 0.84 in. Panhandle.

Days suitable for fieldwork 6.4. Topsoil moisture 75% short, 25% adequate; lowest level since mid-February. Subsoil moisture 35% short, 65% adequate. Wheat 100% harvested, 100% 1985, 100% avg. Stubble tillage nearly completed. Sorghum 2% poor, 35% fair, 63% good; 30% headed, 35% 1985, 25% avg. Cotton 65% squaring, 85% 1985, 55% avg.; 20% setting bolls, 40% 1985, 10% avg. Irrigation increased as hot, dry winds sapped soil moisture. Dryland crops in critical need of moisture. Pastures good north, fair south. Cattle marketings average, prices up from last week. Stock ponds receding but water for livestock not yet problem.

**OREGON:** Temperatures normal, slightly below coast, northern interior; daytimes well below normal, cloud cover kept nights warm, northwest interior. Southwest 1 to 3° above normal. East of Cascades 2° below to 3° above normal. Rainfall negligible. No rain east; traces west.

Soil moisture 80% short, 20% adequate. Barley 48% harvested, 50% 1985. Grain harvest underway most areas, yields mostly average. Some grasshopper spraying for crop protection east. Grass seed harvest continued Willamette Valley, yields slightly below normal. Second hay cuttings ranged from finished to just starting across State. Cherry harvest complete, except Union County. Early peaches harvested Willamette, Rogue Valleys. Early Italian prunes harvested Milton-Freewater. Pear harvest started Medford area, somewhat ahead of expectations; third cover spray going on later varieties. Late bearing caneberry varieties still available west. Blueberry harvest peaked, season expected to be shorter than normal. Strawberry field renovation. Cranberry development good, some black vine weevil infestations. Snap beans, broccoli, cauliflower harvested west. Snap beans, Walla Walla sweet onions harvested Milton-Freewater. Few early Norgold potato fields harvested Hermiston-Boardman area. Potatoes

excellent Klamath Basin. Livestock good to excellent. Range, pasture fair to good. Non-irrigated pastures very dry west; irrigation needs below normal with moderate weather. Low elevation ranges mainly dried out east; high elevations good. Range grasshopper spraying finished.

**PENNSYLVANIA:** Warm, muggy week. Week ended with reports of isolated heavy rainfall over sections of southeastern areas. Also reports of small stream flooding. Average temperature 74°, 3° above normal. Temperature extremes 49°; 93°. Average precipitation 0.97 in., 0.11 in. above normal.

Days suitable for fieldwork 4.0. Soil moisture 18% short, 70% adequate, 12% surplus. Corn 47% silked, 34% 1985, 37% avg. Corn 2% very poor, 5% poor, 23% fair, 46% good, 24% excellent. Average corn height 64 in., 60 in. 1985, 58 in. avg. Soybean 2% very poor, 5% poor, 25% fair, 51% good, 17% excellent. Barley 12% ripe, 88% harvested; 1985, 14% ripe, 86% harvested. Wheat 1% turning yellow, 30% ripe, 69% harvested; 1985 4% turning yellow, 32% ripe, 64% harvested. Wheat 1% very poor, 2% poor, 27% fair, 54% good, 16% excellent. Oats 8% heading, 29% turning yellow, 40% ripe, 23% harvested; 1985 12% heading, 33% turning yellow, 35% ripe, 20% harvested. Oats 1% very poor, 4% poor, 25% fair, 52% good, 18% excellent. Second cutting alfalfa 71% complete; 1985 74%. Quality of hay fair to good. Feed from pastures average to below average. Activities: Making hay, haylage; clipping pastures; spraying alfalfa; harvesting barley, wheat, oats, cherries, peaches, vegetables, sweet corn, apples.

**PUERTO RICO:** Island average rainfall 0.65 in. or 0.64 in. below normal. Highest weekly total 6.42 in. Highest 24-hour total 6.42 in. Temperature averaged about 80 to 83° on coasts and 76 to 77° interior divisions. Mean station temperature ranged from 69 to 84°. Extremes 58°; 93°. San Juan WSFO mean temperature 83°. Total rainfall 0.09 in., minus 1.03 in.

**SOUTH CAROLINA:** Temperatures 2 to 4° above normal. Rains primarily upstate, Piedmont.

Days available for fieldwork 5.8. Soil moisture 78% very short, 20% short, 2% adequate. Cotton planted 100%, 98% squaring, 100% 1985, 100% avg.; 86% setting bolls, 90% 1985, 90% avg.; 43% very poor, 43% poor, 14% fair. Soybeans planted 100%; 21% blooming, 35% 1985, 24% avg.; 7% setting pods, 6% 1985; 29% very poor, 35% poor, 32% fair, 4% good. Tobacco poor to fair; 92% topped, 100% 1985, 100% avg.; 25% harvested, 28% 1985, 36% avg. Corn very poor to poor; 86% dough stage, 93% 1985, 82% avg.; 47% mature, 36% 1985, 31% avg.; 8% harvested, 2% 1985. Peanuts poor. Peaches, apples poor to fair. Pastures poor, hay very poor to poor. Scattered showers across State gave some relief, more rain needed.

**SOUTH DAKOTA:** Average temperatures near normal. Extremes 45°; 103°. Black Hills low 39°. Rainfall variable; heavy east, light to moderate west.

Days suitable for fieldwork 5.3. Topsoil moisture adequate east, short west; 3% critically short, 39% short, 54% adequate, 4% surplus. Small grain harvest full swing. Insects invading sorghum, sunflowers. Test weight of oats light, wheat normal. All crops good condition. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate to surplus.

**TENNESSEE:** Very hot daytime temperatures. Precipitation widely scattered. Amounts light to moderate.

Days suitable for fieldwork 6.2. Soil moisture 60% very short, 30% short, 10% adequate. Corn 92% tasseling, 90% 1985, 80% avg.; 50% dough, 45% 1985, 35% avg.; 20% dented, 15% 1985, 9% avg.; 6% very

poor, 25% poor, 52% fair, 17% good. Cotton 96% squaring, 97% 1985, 93% avg.; 60% setting bolls, 55% 1985, 50% avg.; 2% very poor, 7% poor, 32% fair, 54% good, 5% excellent. Sorghum 70% headed, 60% 1985; 15% turning color, 8% 1985; 2% very poor, 11% poor, 78% fair, 9% good. Soybeans 40% blooming, 40% 1985, 40% avg.; 15% setting pods, 14% 1985, 10% avg.; 9% very poor, 39% poor, 47% fair, 5% good. Tobacco 20% topped, 35% 1985; 9% very poor, 34% poor, 53% fair, 4% good. Cattle fair. Pastures fair to poor.

**TEXAS:** High pressure aloft capped rain chances most to State. Upper air disturbance, weak frontal system produced thundershowers western two-thirds of State, some severe. As week progressed, temperatures above century mark spread over State, showers hard to find. Precipitation below normal majority State. Temperatures near normal except Edwards Plateau, east, south central, Upper Coast above average.

**Crops:** Corn harvest moving along central, east good yields. Harvest expanding Blacklands. Fields Plains various stages, most dough stage or better. Fields excellent progress, irrigation steady. Dented 64%, 57% 1985. Mature 56%, 28% 1985. Harvested 16%, 2% 1985, 6% avg. Grain sorghum good progress across Plains, Cross-Timbers. Irrigation steady. Harvesting moving good pace from Blacklands, south to Coastal Bend. Yields varied, most fair to good. Most fields cut Coastal Bend, Upper Coast. Turning color 59%, 56% 1985, 60% avg. Mature 54%, 37% 1985, 44% avg. Harvested 38%, 23% 1985, 32% avg. Cotton fields good progress, good prospects. Bollworm activity increase many parts State. Treatment underway. Fields various stages development. Irrigation necessary Plains. Some plants shedding bolls because hot, dry conditions. Many producers plowing, cultivating. Harvest full swing Coastal Bend, Rio Grande Valley. Yields good. Open bolls 7%, 5% 1985, 5% avg. Harvested 2%, 2% 1985, 1% avg. Rice harvesting moving along good pace Upper Coast, yields good. Turning color 70%, 15% 1985, 61% avg. Peanuts fair to good progress across State. Most fields minimal disease problems. Irrigation steady. Dryland fields could use good rain. Planted 100%, 100% 1985, 100% avg. Soybeans good growth, progress. Crop little later than normal Plains. Fields Upper Coast getting close to harvest. Planted 100%, 100% 1985, 99% avg. **Other Field Crops:** Oats 97% harvested, 99% 1985, 100% avg.

**Commercial Vegetables:** Rio Grande Valley, land preparation continued. Some planting underway. East sweetpotato harvest about to begin. Other vegetables normal. High Plains onion harvest about complete. Potato harvest continued, varied yields, prices good. Cucumber harvest continued. Other vegetables good progress. Trans-Pecos, cantaloup, onion harvest continued. Pecans good progress, but light crop expected. Some shedding nuts beginning because dry conditions. Aphids plague many groves.

**Range and Livestock:** Ranges, pastures little improvement where scattered showers fell, most State conditions drying. Haying operations slowing dry conditions. Livestock good; supplemental feeding increasing. Sheep beginning suffer internal parasites some areas Hill Country. Cattle marketing continued to improve.

**UTAH:** Temperatures below normal. Maximums 4 to 8° below. Minimums 1° above to 1° below. Precipitation moderate to heavy.

Days suitable fieldwork 5.0. Topsoil moisture 24% short, 76% adequate. Crop progress 7 to 10 days ahead of schedule. Winter wheat 29% harvested, 27% 1985, 14% avg.; barley 73% ripe, 63% 1985, 45% avg.; 26% harvested, 27% 1985, 18% avg.; spring wheat 56% ripe, 22% 1985, 14% avg.; oats 57% turned color, 71% 1985, 50% avg.; 16% ripe, 24% 1985, 14% avg.; corn height 57 in., 64 in. 1985, 54

in. avg.; alfalfa 2nd cutting 54% complete, 41% 1985, 34% avg. Range feed 75% fair, 25% good. Need rain. Livestock good to excellent.

VIRGINIA: Hot, frequent thunderstorms. East half State averaged 2.00 in. rain. West averaged 0.50 in. Temperatures averaged 3 to 7° above normal. Upper 90s common.

Days suitable for fieldwork 4.6. Soil moisture 80% short, 20% adequate. Crops improved slightly with thunderstorms. Corn very poor to poor. Some green chopped, some abandoned. Corn 70% in silk, 74% 1985, 79% avg.; 30% in dough, 41% 1985, 34% avg. Soybeans poor but rain helped. Stands spotty. Soybeans 32% blooming, 24% 1985, 24% avg.; 9% setting pods, 6% 1985, 6% avg. Peanuts good to excellent, now pegging and blooming. Flue-cured tobacco harvest 2% complete, 2% 1985, 10% avg. Condition varies, poor to good; irrigation where possible. Peach harvest 30% complete, 36% 1985, 34% avg. Apple harvest active. Early peaches small size. Thunderstorms helping size apples. Potatoes 95% harvested. Pasture, hay land very poor, but some improvement visible where rain received. Many feeding hay, selling livestock. Counties continued review of drought damage.

WASHINGTON: Minimal precipitation throughout State. Average temperatures mostly below normal east, west. Central region 1 to 7° above normal.

Days suitable for fieldwork 7.0. Soil moisture 45% short, 55% adequate. Winter wheat, barley mostly good to fair; some heavy aphid infestations; east, central. Potatoes mostly good. Berry harvest continued; blueberries full swing, raspberries nearly complete. Hay supplies mostly adequate. Range, pasture 35% short, 65% adequate.

WEST VIRGINIA: Temperatures averaged above normal. Temperature extremes 59° Green Bank, 99° Williamson. Precipitation above normal except southwest, northeast. Greatest amount 2.63 in. Creston.

Days suitable for fieldwork 5.2. Soil moisture 21% very short, 35% short, 42% adequate, 2% surplus. Feed supplies 29% short, 66% adequate, 5% surplus.

WISCONSIN: Temperatures averaged 74°, 2° above normal; low 47°, high 95°. Rainfall 0.80 to 2.00 in. Better week for haying, but still humid.

Days suitable for fieldwork 5.4. Soil moisture 19% short, 70% adequate, 11% surplus. Crops 1% poor, 7% fair, 71% good, 21% excellent. Corn 4% fair, 51% good, 45% excellent. Good week for crop growth, average height corn 73 in., 62 in. 1985, 65 in avg. Corn silked 52%, 42% 1985, 33% avg. Second cutting hay 50% complete, 65% 1985, 42% avg. Yields very good, quality fair to very good. Oats 14% harvested, 18% 1985, 8% avg. Good quality, short straw. Winter wheat 36% harvested, yields very good. Sweet corn plentiful, very good. Early apples being picked.

WYOMING: Temperatures slightly below normal. Precipitation generally above normal except northwest, north central.

Days suitable for fieldwork 6.0. Topsoil moisture 55% short, 40% adequate, 5% surplus. Winter wheat turning color 10%, 5% 1985; mature 45%, 45% 1985; harvested 45%, 50% 1985, 20% avg. Barley headed 30%, 25% 1985; turning color 30%, 45% 1985; mature 35%, 25% 1985; harvested 5%, 5% 1985. Spring wheat headed 30%, 20% 1985; turning color 30%, 35% 1985, 50% avg.; mature 30%, 35% 1985, 15% avg.; harvested 10%, 10% 1985. Oats headed 45%, 30% 1985; turning color 30%, 45% 1985, 35% avg.; mature 20%, 25% 1985, 10% avg.; harvested 5%, 5% 1985. Dry beans in bloom 60%, 55% 1985, 60% avg. Potatoes in bloom 65%, 75% 1985, 60% avg. Corn tasseled 40%, 45% 1985, 30% avg.; silked 15%, 20% 1985. Alfalfa 1st cutting complete 95%, 100% 1985, 90% avg.; 2nd cutting complete 10%, 15% 1985, 5% avg. Other hay harvested 60%, 55% 1985, 45% avg. Livestock mostly good. Range, pasture mostly good. Fall, winter grazing prospects fair to good. Stockwater supplies adequate most areas.

International Weather and Crop Summary

July 20 to 26, 1986

**HIGHLIGHTS:**

**UNITED STATES** ... Rain across most of the Southeast provides some relief from the hot, dry conditions, but crops show very little improvement. Adequate moisture continues to push crop development ahead of normal throughout the Corn Belt and northern and central Great Plains.

**U.S.S.R.** ... Chronic dryness continues stressing crops in the southern Ukraine and Volga. Harvest weather is mostly favorable. In the New Lands, weather conditions continue favorable for spring grains over the northern two-thirds of the region.

**EUROPE** ... Persistent dryness in southwestern France is reducing prospects for corn, advancing through reproduction.

**SOUTH ASIA** ... Heavy monsoon showers continue over central India. Dry weather persists in cotton and groundnut regions in the drought-stricken south and northwest.

**EASTERN ASIA** ... Dry weather in parts of the south aids early rice harvesting. Showers continue to benefit crops in the Manchurian Valley. Heavy rain in eastern Shandong and Fujian may have damaged crops.

**MEXICO** ... Below average rainfall covered the crop areas. Moisture is generally adequate for crop growth but limited in the west.

**CANADA** ... Showers favor crop development throughout the Prairie grain belt.

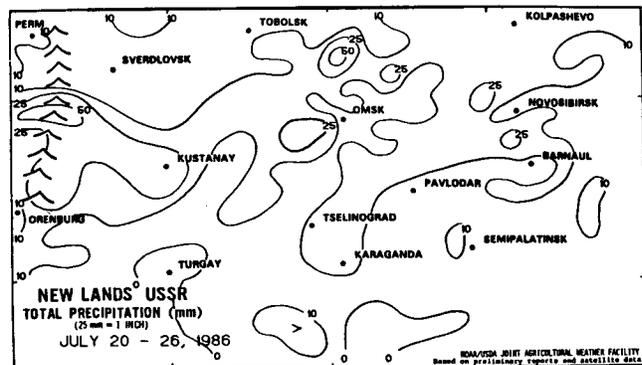
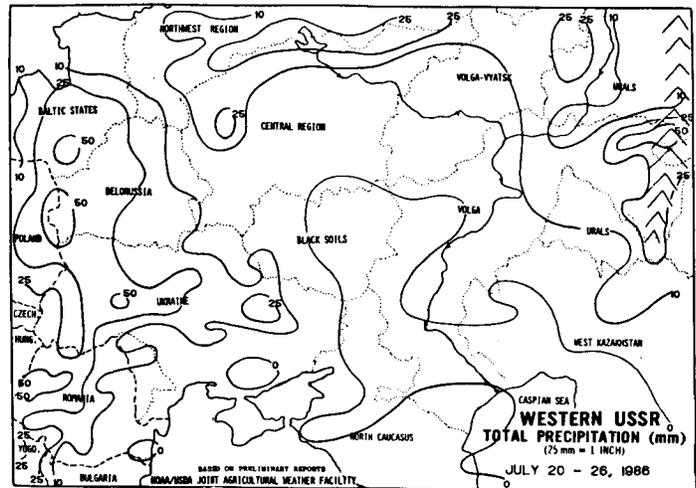
**SOUTHEAST ASIA** ... Monsoon showers cover Thailand benefiting grain-filling corn and upland rice.

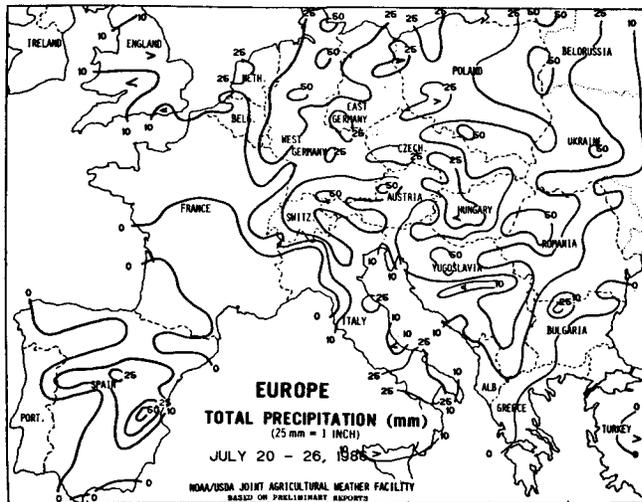
**AUSTRALIA** ... Moderate rain continues in eastern New South Wales, but dry weather persists elsewhere in the eastern wheat belt.

**SOUTH AMERICA** ... Dryness continues in Argentina's southern wheat area where planting is still underway. Rain in Brazil favors early wheat growth in the south and brings much needed moisture to the north.

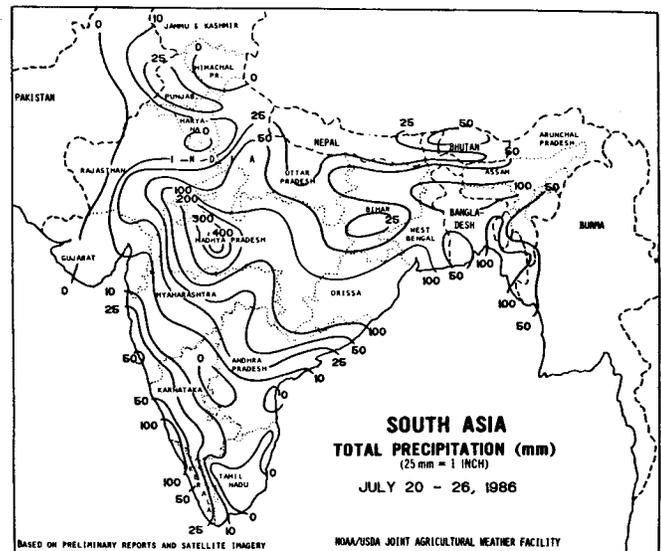
**U.S.S.R.** ... Dry weather continued over the southern Ukraine and Volga. Chronic dryness has covered these areas since the beginning of the growing season, stressing winter wheat, barley, corn, and sunflowers and resulting in a decline in crop conditions. Dry weather in these areas and the North Caucasus, eastern Ukraine, and Black Soils Region aided winter wheat and spring barley harvesting. Late-week showers in the western Ukraine delayed harvesting but benefited corn in reproduction. In the north, several days of dry weather in the Central Region and Volga Vyatsk aided winter grain harvesting and spring grain maturation. Weekly temperatures were near normal over the region.

In the New Lands, beneficial showers continued over the northern two-thirds of the region. Heaviest rain (25 to 50mm) fell in a narrow band, which stretched eastward from the central Urals, through Kustanay, into crop areas just west of Omsk. Mostly dry weather covered spring grains over the southern third of the region, but near normal weekly temperatures lowered heat stress. Spring grains were in the reproductive stage in the north and in the filling stage in the south.

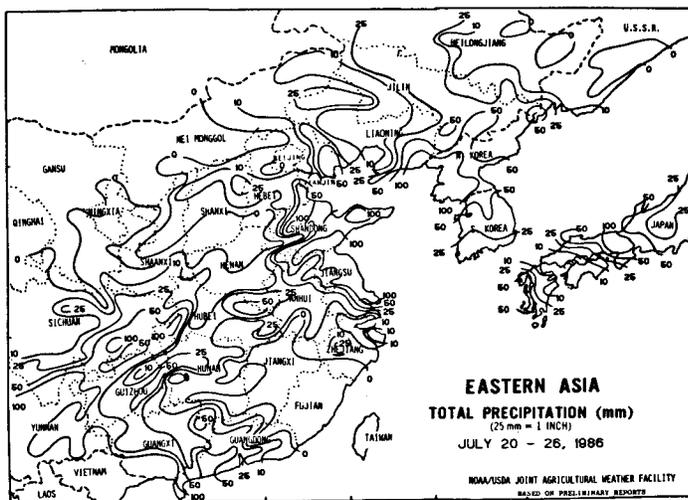




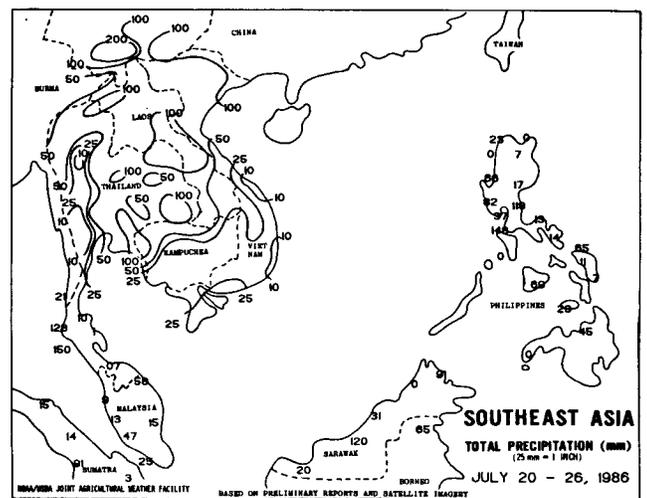
**EUROPE** ... Dry weather continued over France. The dry weather in northern France aided wheat harvesting. In southwestern France, unfavorably dry weather since May has reduced prospects for corn advancing through reproduction. Wet weather (25 to 50mm) over West Germany, East Germany, Poland, and Czechoslovakia, probably delayed wheat harvesting but benefited summer crops. In southeastern Europe, heavy rain (50 to 90mm) covered crop areas in northwestern Romania and northeastern Yugoslavia, likely delaying the wheat harvest. Unusual showers continued over peninsular Italy and heavy rain covered citrus areas in eastern Spain. Mostly dry weather aided wheat harvesting in southeastern Romania and northern Bulgaria.



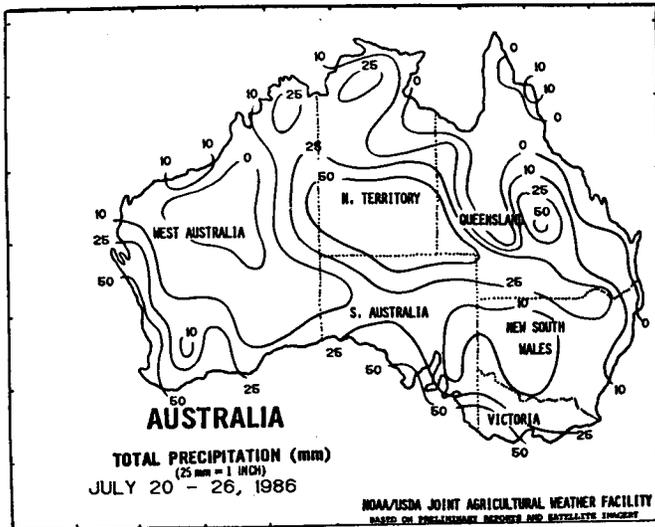
**SOUTH ASIA** ... Moderate to heavy monsoon showers (50 to over 200mm) continued over central India, providing ample moisture for establishment and early growth of rice, cotton, and groundnuts but causing localized flooding. Area of coverage has increased in recent weeks from Rajasthan to Assam, benefiting rice and increasing soil moisture reserves in the northern and eastern states. Dry weather persisted in the drought-stricken south and northwest as minimal rain (less than 10mm) fell in cotton and groundnut regions from Gujarat to Tamil Nadu. More rain is needed for continued planting and establishment of crops. The monsoon continued to be weak in these regions.



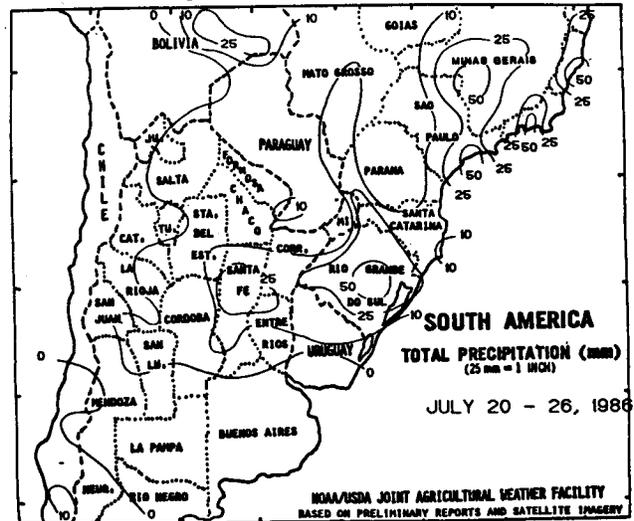
**EASTERN ASIA** ... Heavy rain covered the eastern portion of the North China Plain. Rainfall (50 to 100mm) in eastern Hebei and western Shandong benefited early corn and soybeans in the filling stage and late corn, soybeans, and cotton in reproduction. Excessive rainfall (150 to 180mm) and flooding in eastern Shandong and Jiangsu may have damaged crops. Hot, dry weather continued to stress nonirrigated crops in Henan and southern Shanxi. Light rain eased persistent dryness in eastern Shanxi and Hebei. Showers continued over corn and soybean areas in Liaoning, Jilin, and Heilongjiang. Dry weather in Hunan, Jiangxi, Fujian, and Zhejiang aided early rice harvesting.



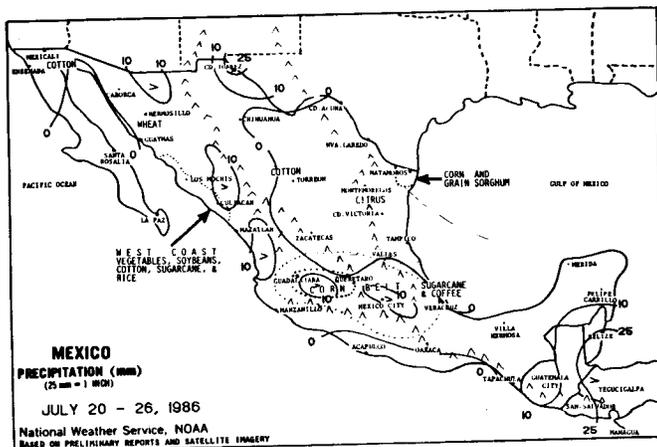
**SOUTHEAST ASIA** ... Beneficial monsoon rains (45 to 112mm) covered central Thailand, aiding rice and early grain-filling corn. Moderate to heavy showers (33 to 148mm) continued over most of the upland rice regions of the north and east. Mostly heavy showers (50 to 156mm) covered northern Laos and Vietnam, but lighter amounts (5 to 50mm) fell in the southeast from coastal Vietnam to Kampuchea. In the Philippines, minimal rain (less than 25mm) fell in the corn and upland rice regions of northern Luzon. Tropical showers covered southern Luzon and most of the southern islands.



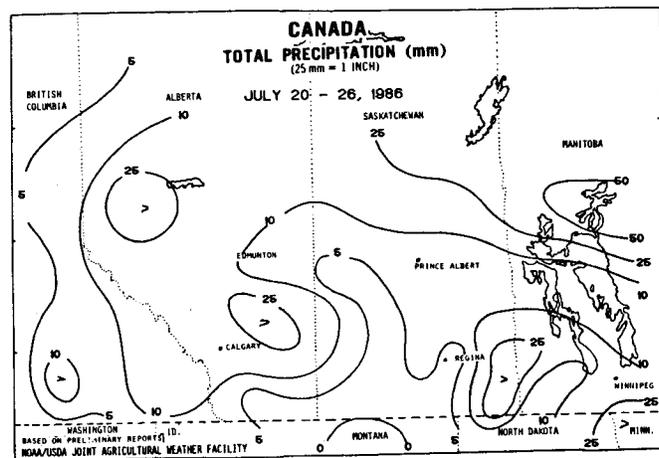
**AUSTRALIA** ... Beneficial rain (18 to 35mm) continued in eastern New South Wales, promoting vegetative growth and establishment of late-planted wheat. However, only light amounts (less than 10mm) covered southeast Queensland and much of western New South Wales. Rain in recent weeks has brought much needed relief to the drought-stricken east, but soil moisture deficiencies persisted in Queensland and western New South Wales. Mostly light to moderate showers (6 to 25mm) covered South Australia, Victoria, and Western Australia with heavier amounts (25 to 62mm) falling in coastal areas. Moisture reserves in the west and south are good for vegetative growth of wheat.



**SOUTH AMERICA** ... In Argentina, dry weather continued over much of Buenos Aires, La Pampa, and extreme southern Cordoba. Light rain fell over the remainder of Cordoba and southern portions of Santa Fe and Entre Rios, while heavier showers (10 to 40mm) fell over the northern two-thirds of Santa Fe. Moisture was deficient in the southern wheat area for planting and emergence, but generally adequate topsoil moisture in northern wheat areas favored crop establishment. Wheat planting is over 40 percent complete in Argentina. In Brazil, rain (25 to 50mm) in Rio Grande do Sul kept soils moist for early wheat growth. Light showers fell over most of Parana and western Sao Paulo, causing minimal fieldwork delays. The first significant rain (25 to 70mm) in nearly 2 months fell in southern Minas Gerais, briefly delaying the coffee harvest but bringing much needed moisture to the area.



**MEXICO** ... Light rain covered most of the Southern Plateau corn belt, the western mountain watersheds, and the west coast farming region. Weekly rainfall was mostly less than 10mm, with only scattered locations receiving 10 to 15mm of rain. Weak tropical shower activity resulted in below-average rainfall throughout the region. Moisture was adequate for corn in the Southern Plateau, but supplies were limited in the west. Dry weather prevailed over north-central cotton areas, favoring crop maturity. Dryness in the northeast also promoted grain and vegetable harvesting. Weekly temperatures were mostly near to slightly below average.



**CANADA** ... Light rain (less than 10mm) fell over most of the Prairie grain belt. Heavier showers (10 to 39mm) occurred in central Alberta, southeastern Saskatchewan, and southern Manitoba. Moisture was adequate for grains, which were advancing from heading to filling, and oilseeds, which were flowering to podding. Locally heavy showers and thunderstorms caused some crop lodging in central Alberta and Manitoba. In general, however, timely rain in recent weeks has favored crop development throughout the Prairie Provinces. Crops were good to very good. In extreme southern Alberta, moisture was limited with less than 3mm of weekly rainfall providing little topsoil moisture.

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(Continued from p. 12)

PASTURES AND LIVESTOCK: Pastures were dry in the Southeast. Rain provided very little improvement. Pastures began declining in the Delta as moisture declined. Livestock was mostly good except in the Southeast. Heat caused stress with producers taking extra measure to lessen the effect. Hay was donated from the Northern States.

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