

# WEEKLY WEATHER AND CROP BULLETIN

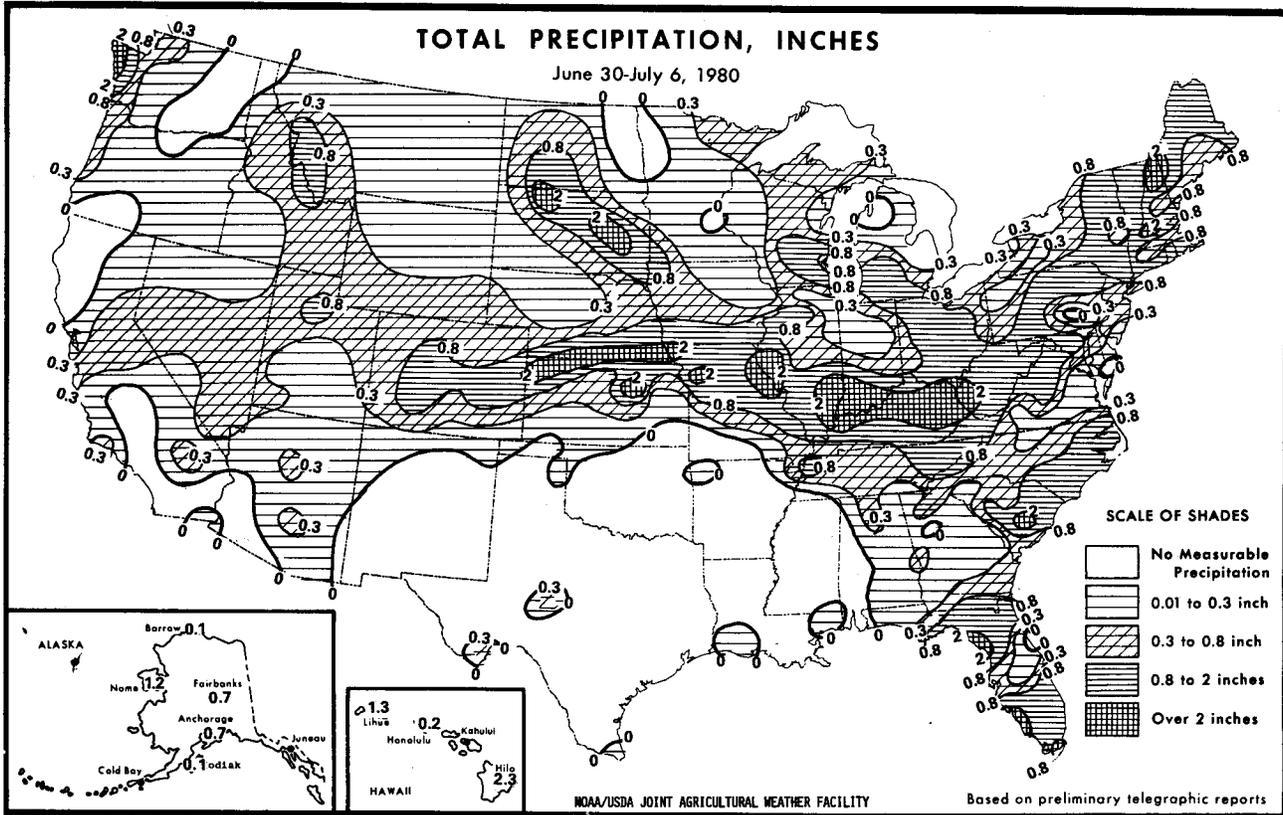
U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
Economics, Statistics, and Cooperatives Service  
World Food and Agricultural Outlook and Situation Board

Volume 67, No. 28

Washington, D.C.

July 8, 1980



## National Weather Summary

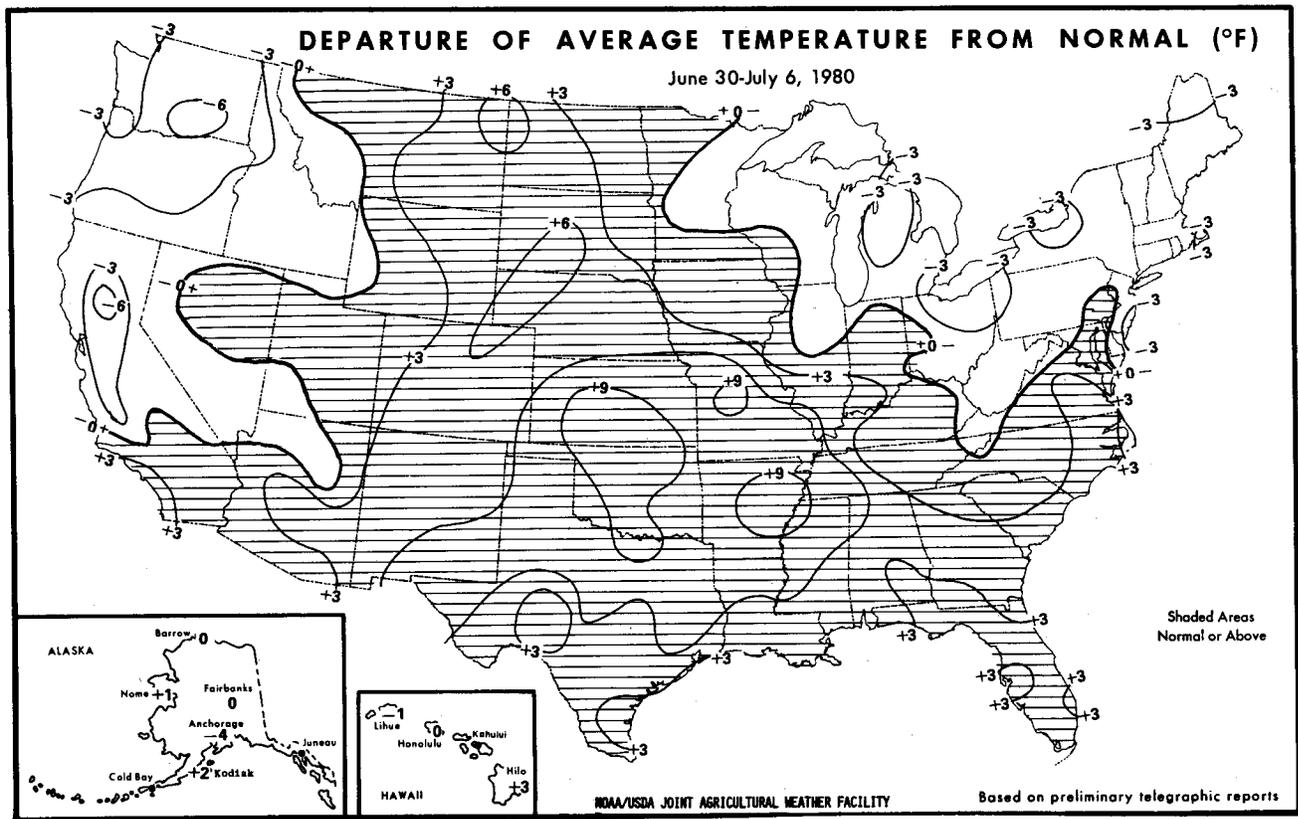
June 30 - July 6

**HIGHLIGHTS:** The heat wave continued over the southern and central Plains and spread into the northern section by the weekend. Most of the Plains averaged 3 to 6 degrees above normal, and up to 11 degrees above normal in Oklahoma and Kansas. The heat took its toll of deaths: 185 people, over a million chickens and turkey poults, and some calves. Records were broken for the highest temperatures and duration of the heat. In contrast, it was cooler than usual in the Northeast and Pacific Coastal States. Dry weather dominated the lower Mississippi Valley, the southern and portions of the northern Plains, and the Desert

Southwest. Elsewhere, light to moderate rains dotted the Nation.

**MONDAY...**The intense heat wave continued to break temperature records across the southern and central Plains. Central Kansas was the hottest with 110° to 114°. In contrast, most of the Northeast enjoyed afternoon temperatures in the sixties and seventies. A weakening frontal system in the Southeast produced rains of about 0.3 inches over Florida and New England. Another front stretching from the northern Plains to the central Plateau triggered a wide band of light showers, generally less than 0.2 inches. Remnants of Tropical Storm Celia spread showers into California and Nevada.

**TUESDAY...**Most of the central Plains cooled slightly as a front moved into the area. However, the heat wave persisted throughout the southern Plains. Wichita Falls, north central Texas, had the Nation's highest reading with 113°. Rains were scattered from the Great Lakes to the central Plains along a cool front, and from the central Rockies to California in association with moisture



remnants of Tropical Storm Celia. Kansas noted the heaviest rains when 0.5 to 0.9 inches fell, bringing relief to the dry eastern section.

**WEDNESDAY...**The heat again scorched the southern Plains. North central Texas and southwestern Oklahoma had 110° to 114°. Some 90-degree readings also pushed back into western portions of the northern Plains. It was unseasonably cool in the Great Lakes. Heavy thunderstorms producing 1-to-3 in. rains broke out along a front which had become stationary across the Ohio and mid-Mississippi valleys to the central Plains. Heavy rains, strong winds, large hail, and a few tornadoes accompanied some of the storms. Light showers dotted the central and northern Rockies. Tropical moisture in advance of a cool low pressure system aloft supported showers from California to Idaho.

**THURSDAY...**The heat maintained its grip on the southern part of the Nation as a stationary front extended from the mid-Atlantic Coast to the central Plains. The southern Plains continued very hot with afternoon temperatures 109° to 114° in the same area as Wednesday. Rains covered a broad area from the mid-Atlantic Coast to the upper Mississippi Valley and westward to the Pacific Coast. Strong thunderstorms developed in parts of Indiana, Kentucky, and Florida during the afternoon.

**FRIDAY...**The heat wave expanded into the central Plains where 110° baked central Kansas. A stationary front from the mid-Atlantic Coast to the central Plains produced a wide area of showers and thunderstorms northward into the Great Lakes. Rains averaged 0.25 to 0.75 inches. Severe weather developed in Nebraska. Rainy, cool weather continued over the Northwest in association with a low pressure system.

**SATURDAY...**The heat wave continued to push northward into the fringes of the northern Plains, while the Pacific Northwest remained cool and cloudy with a few light rains. Showers and thunderstorms produced about 0.5 inches of rain in the northeastern quarter of the Nation as reinforcing cooler air moved into the area.

**SUNDAY...**The heat wave pushed further into the northern Plains with 100-degree readings from Texas into South Dakota. The heat was centered in Kansas where it reached 107°; the heat lost some of its punch in portions of the southern Plains with temperatures getting only into the mid-nineties in West Texas. A front moving into the Southeast triggered rains of about 0.5 inches, bringing pleasantly mild weather into the Northeast.



## National Agricultural Summary

June 30 - July 6

**HIGHLIGHTS:** Record-breaking temperatures for the second straight week, with virtually no rainfall, further stressed crops and livestock in the south central States. Temperatures averaged above normal in all areas of the Nation except in the Northwest, the east north central States, and the Northeast. Rainfall was limited to the northern and eastern regions of the Nation. Farmers had at least 4 days or more suitable for fieldwork. Winter wheat harvest advanced northward into Nebraska and parts of South Dakota and became more widespread throughout the north central States. Combining of winter wheat in the 15 major producing States advanced to 51%, ahead of last year's 41% but slightly behind the average. Spring wheat heading in the five major States reached 72%, well ahead of last year's 29% and the 54% average. Some early-planted small grain fields have been plowed under in the droughty northern Plains because of poor stands. However, the major Durum wheat producing area of North Dakota received substantial rainfall during the week. Corn silking was limited to southern areas, extending northward into Virginia where 23% of the crop was silked. Soybean planting picked up as double-cropped soybeans were planted following small grain harvest. Soybean blooming ranged up to 20% in Illinois but was slightly behind last year and the average in most areas. Rice heading was limited to Louisiana and Texas. Cotton squaring in the 14 major States reached 52%, slightly behind 1979 and the average. In most cotton producing areas, cotton was setting bolls with progress ranging up to 53% in Georgia. Pastures rated fair to good in most regions of the Nation, but conditions deteriorated in many areas because of the hot, dry weather. Poor conditions covered the Southwest and the northern Plains where supplemental feeding was necessary for some of the roughage requirements of livestock. On the Great Plains, the extremely hot weather has heat-stressed livestock and poultry.

**CORN:** Good stands held up in most areas. Silking stayed in the southern areas, extending northward into Virginia where 23% of the crop was silked. In the Corn Belt, fields were beginning to tassel. Some fields in the extreme South reached the dough stage, and a few fields advanced to the dent stage. Growth ranged from an average of 25 inches in Michigan to 54 inches in Illinois, up to 12 inches more than last year and slightly more than average.

**SOYBEANS:** Soybean planting picked up as double-cropped soybean planting followed small grain harvest. In Virginia, some double-cropped soybeans have not been planted because fields have been too dry. Blooming ranged up to 20% in Illinois; progress fell slightly behind last year and the average in most areas. In Indiana, plant height averaged 10 inches and in Ohio 12 inches, about equal to last year and the average.

**SMALL GRAINS:** Winter wheat harvest advanced northward into Nebraska and parts of South Dakota and became more widespread in the north central States. Combining in the 15 major producing States advanced to 51%, ahead of last year's 41% but slightly behind the average.

Spring wheat heading in the 5 major States reached 72%, well ahead of last year's 29% and the 54% average. Some early-planted small grain fields have been plowed under in the northern Plains because of poor stands due to lack of moisture. However, the major Durum wheat producing area in North Dakota received substantial rainfall during the week.

**COTTON:** Development lagged recent years; however, good weather speeded growth. Squaring in the 14 major States advanced to 52%. Boll set got underway in the West and Delta areas and was well advanced in the Southeast where progress reached 53% in Georgia. In Texas, stress from dryness is evident in dryland fields. Young stands are having difficulty getting established. Irrigation needs are very high.

**OTHER CROPS:** Grain sorghum planting was virtually completed; the crop generally rated good. Harvest got underway in Texas with 10% harvested, which is about on schedule. In Texas, dryland stands were wilting rapidly under the blistering heat. Irrigation continues at a heavy pace.

Rice heading was limited to Louisiana and Texas where 38% and 55% respectively was headed. In Texas, 20% of the rice began to show color change.

Peanut planting neared completion in Texas, although some fields remained unplanted because of dry field conditions. Stands of irrigated peanuts showed good condition, but dryland fields were showing the effects of high temperatures.

Tobacco harvesting reached 22% complete in Georgia, slightly behind normal. Blue mold continued to present problems for Tennessee growers.

**FRUITS AND NUTS:** Sweet cherry harvest advanced throughout all northern production areas; tart cherry harvest was about to begin. Peach picking advanced as far north as New Jersey. Peach harvest ranged from 29% complete in South Carolina to 62% in Georgia and 64% in North Carolina. In New England, the peach set is heavy, and growers continued thinning operations. Concord grapes were in full bloom along Lake Erie in New York.

California almonds, pistachios, and walnuts rated good with normal growth patterns.

Florida citrus groves rated excellent, but moisture was becoming short. The Valencia harvest slowed as supplies decreased. The Arizona citrus harvest also wound down, but the grape harvest continued active. California growers harvested Freestone peaches, while the plum and grapefruit harvests were virtually completed.

**VEGETABLES:** Farmers in northern production areas harvested a wide variety of early vegetables, including sweet corn and tomatoes. The spring vegetable harvest in Florida was nearly complete with land preparation for summer and fall planting underway. Light supplies of sweet corn, eggplant, potatoes, and okra were still available.

**PASTURE AND LIVESTOCK:** Pastures rated fair to good in most regions of the Nation, but conditions deteriorated in many areas due to the hot, dry weather. Poor conditions were reported in the Southeast and the northern Plains where supplemental feeding was necessary for some of the roughage requirement of livestock. On the Great Plains, the extremely hot weather has heat-stressed livestock; weight gains have slowed and milk production declined. Stock water supplies were becoming short in many areas. Some poultry producers suffered heavy losses in Arkansas due to the heat.

Weather Data for the Week Ending July 6, 1980

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 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
AL BIRMINGHAM	94	72	98	66	83	3	.3	-.9	.3	3.3	67	85	49	7	0	1	0
MOBILE	96	76	98	75	86	5	0	-1.9	0	2.5	33	92	45	7	0	0	0
MONTGOMERY	93	73	96	70	83	2	.1	-1.1	.1	2.7	54	91	49	7	0	1	0
AK ANCHORAGE	60	47	64	42	53	-4	.7	.3	.3	3.1	221	91	64	0	0	4	0
BARROW	42	34	49	31	38	0	.1	0	.1	1.5	100	86	72	0	1	2	0
FAIRBANKS	72	52	80	47	61	0	.7	.3	.7	1.3	68	79	49	0	0	2	1
KODIAK	60	48	65	43	55	2	.1	-.8	.1	.9	19	89	70	0	0	3	0
NOME	55	45	66	35	50	0	1.2	.8	.6	3.8	317	88	75	0	0	6	1
AZ FLAGSTAFF	83	50	90	43	67	3	.4	0	.4	.4	44	66	26	1	0	2	0
PHOENIX	105	81	110	78	93	3	T	-.1	T	0	34	16	7	0	1	0	0
TUCSON	101	73	107	69	87	1	.2	-.1	.1	.3	60	52	18	7	0	2	0
WINSLOW	92	59	97	54	76	-1	.2	0	.2	.2	50	---	---	5	0	1	0
YUMA	105	79	110	74	92	1	T	T	T	0	---	---	---	7	0	0	0
AR FORT SMITH	98	73	100	71	86	5	T	-.8	T	3.2	73	89	42	7	0	1	0
LITTLE ROCK	102	77	105	76	90	9	0	-.8	0	.6	15	83	37	7	0	0	0
CA BAKERSFIELD	92	68	96	63	80	-2	0	0	0	0	---	---	30	5	0	0	0
EUREKA	60	51	62	49	56	0	0	-.1	0	.5	62	95	69	0	0	0	0
FRESNO	92	66	95	60	79	0	0	0	0	0	62	27	6	0	0	0	0
LOS ANGELES	78	63	84	61	71	-1	0	0	0	0	---	88	53	0	0	0	0
RED BLUFF	88	61	93	60	75	-6	T	-.1	T	1.2	240	---	29	3	0	0	0
SAN DIEGO	76	67	78	66	72	4	T	0	T	0	---	86	68	0	0	0	0
SAN FRANCISCO	66	53	68	50	60	-3	.1	.1	.1	.1	50	76	58	0	0	2	0
STOCKTON	86	60	93	56	73	-3	.5	.5	.4	.5	500	77	42	2	0	2	0
CO DENVER	89	63	96	60	76	5	.5	.1	.5	.6	27	56	26	3	0	2	0
GRAND JUNCTION	92	63	98	60	78	0	.6	.5	.5	.6	120	52	22	5	0	0	0
PUEBLO	97	62	103	58	80	5	.4	0	.3	.8	47	71	21	7	0	2	0
CT BRIDGEPORT	79	65	86	61	72	-1	1.3	.6	.6	3.5	113	88	62	0	0	3	1
HARTFORD	81	61	89	57	71	-1	.6	-.2	.2	4.3	107	88	54	0	0	3	0
DC WASHINGTON	88	72	96	66	80	2	.7	-.1	.5	2.3	57	81	45	3	0	2	1
FL APALACHICOLA	90	74	95	69	82	1	.8	-.9	.8	5.1	76	99	65	3	0	1	1
DAYTONA BEACH	92	74	97	72	83	2	T	-1.6	T	5.5	70	94	53	5	0	0	0
FORT MYERS	93	74	96	73	84	2	2.5	.3	.8	3.9	37	97	56	5	0	6	2
JACKSONVILLE	94	74	99	73	84	3	.9	-.7	.9	5.5	74	97	52	7	0	1	1
KEY WEST	89	79	91	74	84	0	.8	-.3	.7	3.3	61	79	58	4	0	3	1
MIAMI	87	77	89	74	82	0	1.8	0	1.1	4.8	47	91	68	0	0	3	2
ORLANDO	93	73	98	72	83	2	.1	-1.9	.1	5.3	62	---	52	7	0	2	0
TALLAHASSEE	93	72	96	68	82	1	.7	-1.3	.6	5.9	72	94	50	7	0	3	1
TAMPA	91	77	94	75	84	3	.5	-1.4	.4	4.2	52	90	58	6	0	2	0
WEST PALM BEACH	93	76	95	71	84	3	1.3	-.4	.7	5.0	53	90	51	6	0	2	2
GA ATLANTA	94	73	98	67	83	5	T	-1.1	T	4.5	98	83	45	7	0	0	0
AUGUSTA	94	71	100	65	82	2	.1	-1.0	.1	4.4	96	88	45	7	0	1	0
MACON	98	72	101	64	85	4	.1	-.9	.1	2.1	46	93	40	7	0	1	0
SAVANNAH	95	75	102	69	85	4	.5	-1.2	.5	4.0	56	77	48	7	0	1	0
HI HILO	---	---	---	---	---	---	2.3	.5	---	9.7	121	---	---	---	---	---	---
HONOLULU	87	75	88	73	80	0	.2	.1	.1	.2	40	80	54	0	0	2	0
KAHULUI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LIHUE	---	---	---	---	77	-1	1.3	-.9	---	3.7	185	---	---	0	0	---	---
ID BOISE	85	56	88	48	70	-1	T	-.1	T	.3	25	75	26	0	0	3	0
LEWISTON	79	55	86	48	67	-4	.2	0	.1	1.3	65	76	39	0	0	3	0
POCATELLO	79	52	86	47	66	-3	.7	.6	.3	1.5	115	86	37	0	0	4	0
IL CAIRO	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CHICAGO	82	56	94	50	69	-2	.2	-.8	.2	2.9	60	87	41	2	0	2	0
MOLINE	85	62	91	55	74	0	.8	-.3	.8	4.9	92	77	55	1	0	1	1
PEORIA	85	63	91	56	74	0	.5	-.4	.5	7.4	164	86	65	2	0	1	0
ROCKFORD	84	61	90	54	72	0	.1	-1.0	T	5.6	104	83	48	1	0	1	0
SPRINGFIELD	89	68	98	54	78	2	.7	-.3	.4	1.4	29	81	60	4	0	4	0
IN EVANSVILLE	90	71	97	60	80	3	3.1	2.3	1.9	9.1	222	84	52	5	0	4	2
FORT WAYNE	82	63	87	54	73	-1	.2	-.7	.2	2.2	49	88	55	0	0	1	0
INDIANAPOLIS	86	66	91	56	76	-1	.3	-.6	.2	4.0	82	91	59	2	0	2	0
SOUTH BEND	83	62	88	59	72	0	.8	-.1	.8	3.2	73	79	44	0	0	2	1
IA BURLINGTON	85	65	91	55	85	0	1.3	.3	.8	7.8	144	---	---	3	0	2	1
DES MOINES	87	65	93	56	76	2	.4	-.5	.2	5.2	93	87	52	4	0	3	0
DUBUQUE	83	61	90	56	72	1	T	-1.1	T	5.4	89	78	65	1	0	2	0
SIoux-CITY	88	63	100	56	76	2	T	-.9	T	1.2	23	91	45	3	0	2	0
KS CONCORDIA	98	70	109	63	84	7	.7	-.2	.4	1.9	34	74	34	5	0	3	0
DODGE CITY	102	72	106	69	87	9	.1	-.6	.1	4.0	103	70	26	7	0	1	0
GOODLAND	95	64	104	60	79	5	2.9	2.3	2.9	4.8	141	78	26	5	0	1	1
TOPEKA	97	70	104	60	84	7	.3	-.9	.2	.8	12	84	45	6	0	2	0
WICHITA	106	77	110	73	91	11	.2	-.9	.2	1.5	28	65	26	7	0	2	0
KY LEXINGTON	85	66	93	57	76	0	2.8	1.7	1.4	4.8	92	86	58	1	0	3	2
LOUISVILLE	88	69	96	60	79	2	2.6	1.7	1.7	6.3	134	92	57	4	0	4	2

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending July 6, 1980

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 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
LA BATON ROUGE	95	76	98	71	85	3	0	-1.3	0	5.3	108	94	53	7	0	0	0
LA LAKE CHARLES	96	76	100	75	86	4	T	-1.4	T	1.4	23	94	50	7	0	1	0
LA NEW ORLEANS	96	78	99	73	87	6	T	-1.4	T	3.7	64	93	53	7	0	1	0
LA SHREVEPORT	99	77	101	73	88	5	0	-1.7	0	2.6	68	87	45	7	0	0	0
ME CARIBOU	70	51	80	46	61	-3	1.9	1.0	1.1	3.8	93	93	42	0	0	4	1
ME PORTLAND	73	57	83	56	65	-1	.8	.2	.6	3.5	100	88	57	1	0	3	1
MD BALTIMORE	85	67	90	60	76	0	1.0	.1	1.0	4.0	91	83	44	0	0	2	1
MA BOSTON	76	63	88	57	69	-3	.5	.1	.3	3.3	89	90	55	0	0	3	0
MA CHATHAM	71	58	77	55	64	-3	.9	.3	.4	3.3	89	--	63	0	0	5	0
MI ALPENA	77	49	85	44	63	-2	.1	.5	T	3.3	100	--	--	0	0	2	0
MI DETROIT	80	57	87	52	69	-3	.4	.3	.3	6.7	172	82	51	0	0	3	0
MI FLINT	78	55	83	50	66	-3	.3	.4	.3	2.5	64	78	45	0	0	2	0
MI GRAND RAPIDS	81	56	87	52	68	-3	1.2	.4	1.0	4.6	115	59	43	0	0	2	1
MI HOUGHTON LAKE	77	48	83	44	63	-3	T	.8	T	2.7	67	68	51	0	0	2	0
MI LANSING	80	58	85	50	69	-2	.8	.1	.6	1.7	44	90	51	0	0	2	1
MI MARQUETTE	74	47	87	41	61	-4	.3	.5	.2	2.8	70	100	45	0	0	3	0
MI MUSKEGON	79	56	84	50	67	-2	.4	.2	.4	4.7	157	89	48	0	0	1	0
MI SAULT STE. MARIE	72	45	79	39	58	-4	.3	.4	.2	4.2	111	--	51	0	0	2	0
MN DULUTH	75	50	87	42	62	-1	.2	.7	.2	1.6	31	82	46	0	0	2	0
MN INT'L FALLS	79	54	88	46	66	1	.5	.5	.3	1.9	41	80	44	0	0	3	0
MN MINNEAPOLIS	83	57	90	49	70	0	T	.9	T	4.6	100	85	41	1	0	0	0
MN ROCHESTER	83	56	90	47	69	0	.1	.9	.1	1.9	35	91	50	1	0	2	0
MN SAINT CLOUD	81	52	85	42	67	-2	.8	0	.7	5.8	116	98	98	0	0	2	1
MS JACKSON	99	75	101	73	87	6	0	.9	0	1.8	44	93	44	7	0	0	0
MS MERIDIAN	97	74	100	72	85	4	0	-1.1	0	3.3	72	96	52	7	0	0	0
MO COLUMBIA	98	72	110	64	85	9	1.0	0	.7	1.4	26	78	41	7	0	2	1
MO KANSAS CITY	95	72	102	64	83	7	.9	.3	.6	3.3	52	78	49	6	0	2	1
MO SAINT LOUIS	93	72	105	64	83	5	1.9	.9	1.8	4.5	87	76	54	4	0	2	1
MO SPRINGFIELD	95	72	97	64	84	7	T	-1.0	T	3.6	67	92	49	7	0	0	0
MT BILLINGS	88	59	93	55	73	4	.2	.2	.1	1.7	61	63	25	2	0	4	0
MT GLASGOW	86	57	91	48	71	3	T	.5	T	2.5	81	77	29	3	0	1	0
MT GREAT FALLS	79	54	83	40	67	-1	.1	.4	T	4.0	114	69	32	0	0	2	0
MT HAVRE	82	54	87	47	68	0	.2	.3	.1	3.2	110	86	29	0	0	3	0
MT HELENA	76	52	83	47	64	-1	.8	.4	.5	3.9	144	78	46	0	0	3	0
MT KALISPELL	76	49	82	38	62	0	.1	.3	.1	2.8	104	95	41	0	0	1	0
MT MILES CITY	90	64	97	55	77	5	T	.6	T	3.0	81	65	23	5	0	1	0
MT MISSOULA	75	50	81	45	63	-1	.9	.9	.4	2.8	46	91	46	0	0	5	0
NE GRAND ISLAND	91	68	105	61	79	4	.7	.7	.4	4.1	186	84	48	4	0	2	0
NE LINCOLN	92	68	102	62	80	4	1.0	0	.4	3.5	61	88	46	5	0	4	0
NE NORFOLK	89	65	101	57	77	3	.3	.6	.2	4.2	75	85	42	3	0	2	0
NE NORTH PLATTE	93	62	104	56	77	5	.2	.6	.1	1.8	42	84	35	5	0	3	0
NE OMAHA	88	68	98	63	78	3	1.4	.4	1.3	8.4	147	82	45	3	0	2	1
NE VALENTINE	94	63	105	60	79	6	.1	.6	.1	2.8	68	69	25	5	0	3	0
NV ELY	81	48	88	43	65	0	.8	.6	.6	1.3	130	68	24	0	0	2	1
NV LAS VEGAS	100	74	106	67	87	-1	.4	.3	.4	.4	200	41	19	6	0	1	0
NV RENO	82	49	88	38	65	-2	.4	.3	.4	.5	100	74	26	0	0	1	0
NV WINNEMUCCA	85	51	89	40	68	-1	.1	0	.1	.5	45	60	12	0	0	2	0
NH CONCORD	83	56	107	51	69	0	.4	.4	.2	3.0	75	86	53	1	0	3	0
NJ ATLANTIC CITY	79	60	83	52	70	-5	.2	.7	.2	3.8	93	90	57	0	0	1	0
NJ TRENTON	83	67	89	63	75	0	.5	.5	.5	2.2	55	--	--	0	0	2	0
NM ALBUQUERQUE	100	66	105	62	83	5	T	.2	T	0	0	40	12	7	0	0	0
NM ROSWELL	101	71	103	68	86	7	0	.4	0	.3	19	--	--	7	0	0	0
NY ALBANY	79	59	85	57	69	-2	.8	.1	.4	5.4	154	87	49	0	0	3	0
NY BINGHAMTON	76	56	84	49	66	-3	.8	0	.8	6.4	160	88	56	0	0	2	1
NY BUFFALO	76	57	83	53	67	-3	.2	.4	.1	5.7	211	89	50	0	0	2	0
NY NEW YORK	82	69	89	65	75	0	.6	.2	.3	4.0	114	79	47	0	0	3	0
NY ROCHESTER	78	58	84	53	68	-3	.3	.3	.2	6.7	223	88	50	0	0	3	0
NY SYRACUSE	78	58	85	55	68	-3	.4	.3	.1	4.0	111	91	52	0	0	3	0
NC ASHEVILLE	85	64	92	57	75	2	.2	.9	.2	4.9	102	95	54	1	0	3	0
NC CHARLOTTE	88	68	93	62	78	0	.4	.6	.3	2.7	60	90	51	2	0	2	0
NC GREENSBORO	87	66	93	57	76	0	.3	.7	.2	3.7	79	95	49	2	0	2	0
NC HATTERAS	85	73	89	68	79	2	1.9	.6	1.0	6.7	116	89	57	0	0	4	2
NC RALEIGH	89	68	92	62	79	2	.5	.5	.3	5.4	120	84	53	3	0	4	0
NC WILMINGTON	95	78	98	72	86	6	1.4	.4	1.1	3.9	56	65	45	7	0	2	1
ND BISMARCK	89	57	93	51	73	4	1.4	.7	1.4	3.1	76	85	28	4	0	1	1
ND FARGO	85	59	89	55	72	3	T	.8	T	2.6	67	80	40	0	0	0	0
ND WILLISTON	91	57	96	49	74	6	.1	.5	.1	1.9	51	84	27	5	0	1	0
OH AKRON-CANTON	77	57	82	52	67	-4	1.2	.3	.8	4.7	115	86	48	0	0	3	1
OH CINCINNATI	83	64	89	56	74	-1	.7	.3	.3	4.4	98	94	57	0	0	4	0
OH CLEVELAND	78	56	85	51	67	-4	.3	.5	.3	2.8	70	77	46	0	0	1	0
OH COLUMBUS	82	63	88	55	73	0	.9	.1	.6	5.4	110	92	58	0	0	2	1
OH DAYTON	83	64	89	57	74	0	.6	.2	.3	9.2	209	87	48	0	0	3	0
OH TOLEDO	81	58	86	51	69	-3	1.3	.8	.8	4.1	102	89	54	0	0	2	1
OH YOUNGSTOWN	76	53	82	47	65	-5	.2	.6	.2	3.6	90	83	47	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending July 6, 1980

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 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
OK OKLAHOMA CITY	102	76	105	73	89	9	0	-.7	0	2.5	53	63	29	7	0	0	0	0
TULSA	101	82	104	80	92	11	T	-.9	T	5.5	104	72	42	7	0	0	0	0
OR ASTORIA	65	49	69	44	57	-2	.6	.2	.5	2.0	74	86	64	0	0	2	1	0
BURNS	78	48	84	42	63	-3	.2	.1	.2	1.0	91	84	29	0	0	1	0	0
MEDFORD	84	51	92	47	68	-2	0	.1	0	1.2	133	73	28	1	0	0	0	0
PENDLETON	79	52	87	46	66	-6	.2	0	.1	1.2	109	--	28	0	0	3	0	0
PORTLAND	73	55	83	50	64	-2	.2	0	.1	2.5	147	81	51	0	0	2	0	0
SALEM	73	47	83	40	60	-5	.2	0	.1	2.0	133	91	54	0	0	2	0	0
PA ALLENTOWN	82	64	88	60	73	0	.7	.2	.7	3.2	76	83	45	0	0	1	1	0
ERIE	74	58	81	51	66	-3	.7	.1	.7	5.5	137	--	--	0	0	1	0	0
HARRISBURG	83	64	90	58	74	-1	T	-.8	T	2.6	70	72	51	1	0	0	0	0
PHILADELPHIA	85	68	90	62	77	1	.4	-.5	.3	2.2	51	87	46	3	0	2	0	0
PITTSBURGH	80	62	87	56	71	-1	.3	-.5	.3	4.5	113	89	46	0	0	2	0	0
SCRANTON	77	61	85	54	69	-2	1.1	.2	.9	5.3	129	81	50	0	0	3	1	0
RI PROVIDENCE	78	61	87	57	70	-1	.9	.3	.4	4.3	139	93	56	0	0	4	0	0
SC CHARLESTON	93	74	96	72	84	4	.4	-1.4	.2	3.6	47	85	50	7	0	2	0	0
COLUMBIA	93	69	96	62	81	0	.5	-.7	.5	2.8	60	91	45	7	0	1	1	0
GREENVILLE	90	69	95	64	80	1	.2	-.8	.1	7.0	143	87	47	4	0	1	0	0
SD ABERDEEN	87	60	95	53	74	3	.5	-.3	.3	2.9	69	87	35	2	0	2	0	0
HURON	88	61	96	53	74	2	2.7	2.0	1.6	7.6	181	89	45	3	0	4	2	0
RAPID CITY	89	59	100	55	74	4	.1	-1.6	.1	4.9	117	77	27	4	0	1	0	0
SIOUX FALLS	84	61	92	54	73	1	1.4	-.6	1.1	3.6	73	82	48	1	0	3	1	0
TN CHATTANOOGA	92	67	97	57	80	1	.1	-1.0	.1	2.8	61	95	45	5	0	1	0	0
KNOXVILLE	90	69	94	60	79	1	1.6	-.6	.7	3.5	78	90	54	4	0	4	2	0
MEMPHIS	99	80	101	74	90	9	0	-.8	0	5.8	145	83	47	7	0	0	0	0
NASHVILLE	92	70	96	62	81	2	.4	-.4	.3	3.3	82	91	54	5	0	2	0	0
TX ABILENE	103	79	107	76	91	8	0	-.6	0	1.1	33	58	22	7	0	0	0	0
AMARILLO	99	69	104	63	84	6	0	-.7	0	1.3	33	50	18	7	0	0	0	0
AUSTIN	100	76	103	74	88	4	0	-.5	0	.3	9	93	33	7	0	0	0	0
BEAUMONT	97	77	98	75	87	4	0	-1.3	0	.8	14	94	50	7	0	0	0	0
BROWNSVILLE	97	77	98	76	87	3	.1	-.3	.1	.1	3	88	46	7	0	1	0	0
CORPUS CHRISTI	96	75	98	74	85	1	T	-.4	T	0	0	93	48	7	0	0	0	0
DEL RIO	103	78	108	76	90	4	0	-.3	0	.3	13	70	30	7	0	0	0	0
EL PASO	102	74	105	70	88	6	0	-.3	0	0	0	29	14	7	0	0	0	0
FORT WORTH	107	80	110	76	93	9	0	-.5	0	1.3	38	70	24	7	0	0	0	0
GALVESTON	88	80	90	79	84	1	0	-1.1	0	.4	8	93	70	1	0	0	0	0
HOUSTON	101	77	103	74	89	6	0	-1.0	0	1.1	21	94	40	7	0	0	0	0
LUBBOCK	101	73	105	68	87	8	0	-.6	0	1.8	56	48	20	7	0	0	0	0
MIDLAND	99	72	104	69	86	4	0	-.4	0	1.6	84	58	19	7	0	0	0	0
SAN ANGELO	99	74	103	71	86	2	.3	0	.3	3.4	162	70	24	7	0	1	0	0
SAN ANTONIO	101	76	104	73	89	5	0	-.5	0	.5	16	91	30	7	0	0	0	0
VICTORIA	97	76	100	75	87	3	0	-.7	0	0	0	92	44	7	0	0	0	0
WACO	103	77	106	75	90	5	0	-.4	0	.3	10	82	30	7	0	0	0	0
WICHITA FALLS	103	80	114	75	92	7	0	-.6	0	.3	8	56	18	6	0	0	0	0
UT BLANDING	90	56	95	51	73	1	T	-.1	T	0	0	59	16	4	0	2	0	0
SALT LAKE CITY	90	61	97	59	75	1	1.0	.8	.8	1.4	93	63	29	3	0	3	1	0
VT BURLINGTON	78	57	83	54	68	-2	.9	.1	.8	2.1	52	89	50	0	0	3	1	0
VA LYNCHBURG	87	64	92	53	76	1	.8	-.1	.6	1.5	37	93	--	3	0	2	1	0
NORFOLK	91	72	98	68	81	4	.2	-.9	.2	1.4	30	88	45	5	0	3	0	0
RICHMOND	91	67	97	58	79	2	.3	-.8	.3	.7	16	93	44	4	0	1	0	0
ROANOKE	89	67	93	55	78	3	.1	-.7	.1	1.9	47	80	44	4	0	2	0	0
WA COLEVILLE	77	48	83	44	62	-4	0	0	0	1.6	200	--	--	0	0	0	0	0
OMAK	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
QUILLAYUTE	64	48	70	44	56	-2	3.2	2.6	2.6	5.1	134	90	72	0	0	4	1	0
SEATTLE-TACOMA	69	51	77	49	60	-4	.1	-.1	.1	1.8	106	85	47	0	0	1	0	0
SPOKANE	77	49	83	44	63	-4	T	-.2	T	1.0	63	80	31	0	0	0	0	0
WALLA-WALLA	79	56	87	50	68	-4	T	-.1	T	.7	54	72	33	0	0	0	0	0
YAKIMA	79	48	87	40	63	-6	T	-.1	T	1.1	137	78	32	0	0	0	0	0
WV BECKLEY	79	60	86	51	69	-1	1.8	.7	1.2	4.4	86	86	52	0	0	2	1	0
CHARLESTON	83	63	93	54	73	-2	1.6	.6	.5	3.7	90	90	60	1	0	4	0	0
HUNTINGTON	84	65	92	55	74	-1	2.7	1.8	.7	4.3	105	88	58	1	0	4	2	0
PARKERSBURG	81	64	90	56	73	-2	.9	-.1	.4	3.9	81	90	57	1	0	3	0	0
WI GREEN BAY	78	54	85	50	66	-2	.1	-.7	.1	3.9	97	92	45	0	0	2	0	0
LA CROSSE	87	63	90	52	75	3	.1	-.8	0	3.7	73	91	46	2	0	0	0	0
MADISON	83	56	89	48	70	0	.8	-.2	.8	4.2	82	90	46	0	0	1	1	0
MILWAUKEE	76	56	85	50	66	-3	.2	-.6	.1	4.8	114	86	40	0	0	2	0	0
WY CASPER	88	55	95	51	71	3	.3	0	.3	.4	24	70	21	3	0	2	0	0
CHEYENNE	85	55	93	52	70	3	.5	0	.4	.5	18	65	29	2	0	4	0	0
LANDER	86	53	91	52	69	1	.3	0	.2	.3	14	71	25	2	0	3	0	0
SHERIDAN	88	52	97	44	70	2	T	-.4	T	1.0	31	75	20	2	0	0	0	0
PR SAN JUAN	90	78	92	76	84	4	.7	-.6	.2	2.1	32	90	62	0	0	5	0	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

## 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 ESCS State offices in cooperation with the National Weather Service.

**ALABAMA:** Hot and mostly dry. Temperatures 4° above normal.

Soil moisture short to adequate. Fieldwork: 5.4 days suitable. Sorghum planting 84%, 87% 1979. Hay harvested 58%. Corn silked 64%, 66% 1979, 65% average. Corn dented 8%, 29% 1979. Soybeans blooming 6%, 16% 1979. Cotton squaring 75%, 70% 1979, 65% average. Peanuts pegging 30%, 31% 1979, 49% average. Condition: Cotton and peanuts good, remainder fair to good.

**ARIZONA:** Hot, dry weather prevailed early in week with moderating temperatures and increasing humidity. Precipitation occurred in form of afternoon and evening thundershowers. Temperatures averaged above normal in south, below normal in north.

All cotton planted, growing exceptionally well. Very little insecticide used to date. Limited bollworm controls used Yuma County. Approximately 87% stands squaring, 45% setting bolls. Small grain harvest virtually over. Nearly 10% corn tasseling. Sorghum continues forming heads. Safflower continues setting seed. Harvest sugarbeet active and making good progress. Harvest cantaloups, watermelons continues at steady rate. Size, quality generally good. Grape harvest continues, yields, quality reported good all varieties. Dry onion harvest virtually over. Potato harvest nearing completion. The few remaining mixed vegetable crops making seasonal progress. Harvest all citrus crops virtually over. Groves mostly good condition. Range, very little change. Southern ranges very poor to poor; mostly fair in the north. Livestock fair. Water generally short to adequate supply. Rangeland in extreme fire danger.

**ARKANSAS:** Hot, dry weather. Highest temperature 105°, lowest 60°. All departures from normal ranged from 3 to 9°. Most rainfall 0.12 in., least zero.

Fieldwork: 7.0 days suitable. Soil moisture below normal. Cotton condition good. Squaring 85%, 5% setting bolls. Soybeans 96% planted, 97% 1979, 96% average. Drought stress beginning to appear. Rice condition good. Few fields had begun to burn from lack of water. Corn condition good. Sorghum 97% seeded, 97% 1979, 99% average. Wheat 99% harvested, 100% 1979, 99% average. Oats 97% harvested, 100% 1979, 99% average. Peach, apple conditions good. Cattle reluctant to graze, some weight loss, heat stress. Some poultry producers suffered heavy loss. Pastures supplying below average feed, begun to burn.

**CALIFORNIA:** Cooler than normal temperatures prevailed over most of north. Most areas in central and southern portions reported above normal temperatures. Rain fell mid-week along the Coast, in the Central Valley and also in portions of the northern Sierra Nevada.

Sugarbeet, wheat, barley harvest continue. Winter wheat 65% harvested, 74% last year. Stubble baled, burned, disced under, replanted to milo, dry beans. Rice good condition. Cotton 20% squaring, 90% last year. Cool weather delaying growth. Alfalfa haying normal. Safflower full bloom. Unseasonal rain hurt apricots. Otherwise minimal damage. Gravenstein apple production down. Increased sulfurizing for grape mildew. Desert Thompson seedless peak harvest.

Freestone peaches 33% done. Santa Rosa plums and Desert grapefruit virtually complete. Very good quality Valencia oranges. Almond kernel formation done. Pistachios and walnuts have normal growth patterns. Broccoli, cauliflower plentiful in spite of rain. Cantaloup harvest near complete Imperial Valley, heavy Palo Verde Valley and started San Joaquin Valley. Carrot harvest active Kern District, Salinas Valley. Lettuce plentiful. Green peppers increasing San Joaquin Valley. Spring potatoes declining seasonally Kern District. Digging summer crop started Riverside. Market tomato harvest complete Imperial Valley, increasing other districts. Processing tomato harvest about complete Imperial, started San Joaquin Valley. Watermelon harvest near completion Imperial Valley, past peak Palo Verde Valley, and started San Joaquin Valley. Rains north reduced fire danger. Other areas continue dry. Livestock good condition. Milk, egg production normal.

**COLORADO:** Hot, dry weather prevailed with scattered showers mid-week. Average temperatures varied from 3 to 5° above normal.

Winter wheat harvested 7%, 3% 1979, 29% average. Ripe 36%, 22% 1979, 30% average. Turning color 92%, 83% 1979, 85% average. Corn average height 26 in., 25 in. 1979. Sugarbeet thinned 93%, 100% 1979, 96% average. Barley headed 70%, 64% 1979. Fieldwork: 3.0 days suitable. Ranges and pastures experiencing limited forage growth but in good condition. Livestock good condition.

**FLORIDA:** Fair to partly cloudy skies prevailed with showers. Thundershowers more numerous during afternoon, evening. Rainfall occurred with some locally heavy amounts. Rainfall averaged 0.50 to 1.00 in. Panhandle; around 1.00 Peninsula with locally amounts over 3.00 in. Temperatures slightly above the seasonal normals with highs in the low and mid 90's and lows in the 70's.

Soil moisture mostly adequate all areas except parts of central where scattered shortages exist. Early corn rapidly maturing, late corn needs more moisture. Soybean planting nearing completion. Soybeans, peanuts, tobacco fair condition. Tobacco harvest active. Sugarcane good to excellent condition. Grazing generally good to excellent except pastures in some areas from Lake Okeechobee through the north central Peninsula are only fair due to limited rainfall. Cattle, calves mostly good condition except in some central East Coast areas where condition is only fair. Citrus grove condition excellent. However, moisture becoming short due to hot temperatures and light rains. Valencia harvest slowed as supplies are running out. Harvest of spring vegetables nearly complete. Limited supplies of watermelons moving from northern and Panhandle areas. The Gadsden County tomato and pole bean crops are almost complete. Light supplies sweet corn, eggplant, potatoes, okra available. Land preparation for summer, fall planting underway.

**GEORGIA:** Very little rain. Most amounts less than 0.50 in. Temperatures 1 to 3° above normal. Scattered thunderstorms on 6th, west and south.

Soil moisture short to adequate. Hot, dry conditions putting stress on crops. Fieldwork: 5.0 days suitable. Corn fair to good, 81% silked, 46%

dough, 20% dent. Soybeans fair to good, 93% planted, last year 98%, 10% blooming. Peanuts good condition, 95% blooming, last year 97%, average 93%. Pegging 70%, last year 86%, average 76%. Cotton fair to mostly good, 90% squaring, last year 94%, setting bolls 53%, last year 76%, average 65%. Tobacco fair to good, 22% harvested, 30% last year, average 32%. Sorghum 85% planted, same last year. Wheat 97% harvested, last year 98%. Pastures and hay crops fair to mostly good. Cattle and hogs good. Peaches fair to mostly good, 62% harvested, 71% last year, average 76%. Apples good. Watermelons fair to good, 30% harvested, 52% last year, 54% average.

**HAWAII:** Weather favorable. Showers light. Sunny periods most crop areas improving crop growth. Good downpours, Kona District, Island of Hawaii, beneficial to orchards and pastures. Spraying for insect disease control. Vegetable supplies adequate. Most leafy crops increasing. Banana supplies light. Orchards damaged by early January storm flowering and fruiting. Papayas: Rains beneficial. Ending of current flush. Will be approaching declining stage in few weeks. Pineapple harvesting getting heavier. Sugar harvesting active. Pastures generally fair to good. Rains beneficial.

**IDAHO:** Temperatures in north areas slightly below normal, southwest near to above normal, all other areas near normal. Heavy precipitation in few spotty areas. Most stations report near normal readings, few exceptions.

Winter wheat 92% headed, 94% 1979, average 96%. Spring wheat 74% headed, 82% 1979, average 64%. Spring barley 64% headed. Potatoes 94% 6 in., 38% 12 in. and 12% closing middles. Good potato growth, but slightly behind 1979 progress. First cut alfalfa 81% complete. Cherry picking 65% complete. Range excellent.

**ILLINOIS:** Temperatures 2° below to 1° above normal north, 2 to 5° above normal south. Precipitation 0.10 northwest, up to 3.00 scattered areas south.

Soil moisture short to adequate. Corn condition good. Average height 54 in., 42 in. 1979, 51 in. average; most advanced 70 in., 57 in. 1979, 67 in. average. Soybean condition good, 20% blooming, 12% 1979, 18% average. Winter wheat 98% ripe, 98% 1979, 96% average; 50% harvested, 57% 1979, 67% average. Oats good; 90% filled, 92% 1979, 90% average; 35% turning yellow, 45% 1979, 56% average. Alfalfa good, 35% second crop cut, 37% 1979, 37% average. Barley 35% harvested. Pastures good. Fieldwork: 5.5 days suitable.

**INDIANA:** Dry in north, wet in south. Temperatures averaged 2° above normal and ranged from 50 to 97°. Rainfall 0.40 in. north and central. In south, 2.50 in. in west to 1.10 in. east. Some severe thunderstorms on 5th causing wind damage.

Fieldwork: 5.0 days suitable. Topsoil moisture mostly adequate. Subsoil moisture adequate. Wheat 15% combined, 1979 15%, average 45%. Wheat 55% ripe, 1979 60%, average 75%. Wheat turned color 100%. Rye 10% combined, 1979 10%, average 40%. Corn 43 in. tall, 1979 38 in., average 41 in. Corn condition fair to mostly good. Soybeans 10 in. tall, 1979 10 in., average 11 in. Soybean condition fair to good. Alfalfa hay 35% cut second time, 1979 35%.

**IOWA:** Seasonal to cool temperatures and dry early week becoming hot and humid with scattered thunder-showers late week. Scattered wind and hail damage

mostly on the night of the 4th and thunderstorms thereafter were associated with some more substantial rainfalls in the south and northwest districts. Temperatures were as cool as 44° on the 30th and as warm as 100° on the 6th.

Fieldwork: 6.4 days suitable. Height of corn: Average of all corn 49 in., average of tallest corn 63 in. Corn acreage tasseled: 6%, 1979 1%, normal 14%. First crop clover hay harvested: 95%, 1979 86%, normal 83%. Topsoil moisture: 59% short, 39% adequate, 2% surplus. Subsoil moisture: 17% short, 81% adequate, 2% surplus. Crop conditions: Most crops good, except oats fair to good. Pastures declined. Livestock fair condition, some stress, market movement increased.

**KANSAS:** Continued very hot with temperatures averaging 83° northwest to 84° north central and 86 to 91° elsewhere, 8 to 12° above normal. Precipitation averaged 0.10 in. to 0.20 in. east central and southern districts to 1.00 in. northwest and 0.30 to 0.70 in. elsewhere.

Wheat harvest 70% complete, last year 40%, 70% average. Soybeans blooming 10%, 1979 4%. Corn tasseled 10%, 5% last year, 15% average. Alfalfa second cutting 60%, 55% 1979, 60% average. Wheat quality protein at 12.0%, last year 12.1%, average 11.6%. Test weight 61.2 lbs. per bu., 1979 60.8 lbs. Moisture at 11.5%, down from 11.9% in 1979.

**KENTUCKY:** Hot, muggy air throughout much of the period with scattered thunderstorms mostly at mid and late week. Average temperatures were 3 to 5° above normal. Precipitation averaged 1 to 2 in.; however, localized amounts were heavier.

Fieldwork: 4.2 days suitable. Corn condition: 7% excellent, 63% good, 28% fair and 2% poor. Corn tasseling 15%. Soybeans mostly good condition. Planting double crop soybeans continues. Soybeans average height 11 in. Tobacco growth slow, 66% of crop under 12 in. in height. Wheat harvest nearing completion in west and southern portions of central region. Statewide 85% complete. Alfalfa second cutting 50% complete. Harvest of early variety apples and peaches underway.

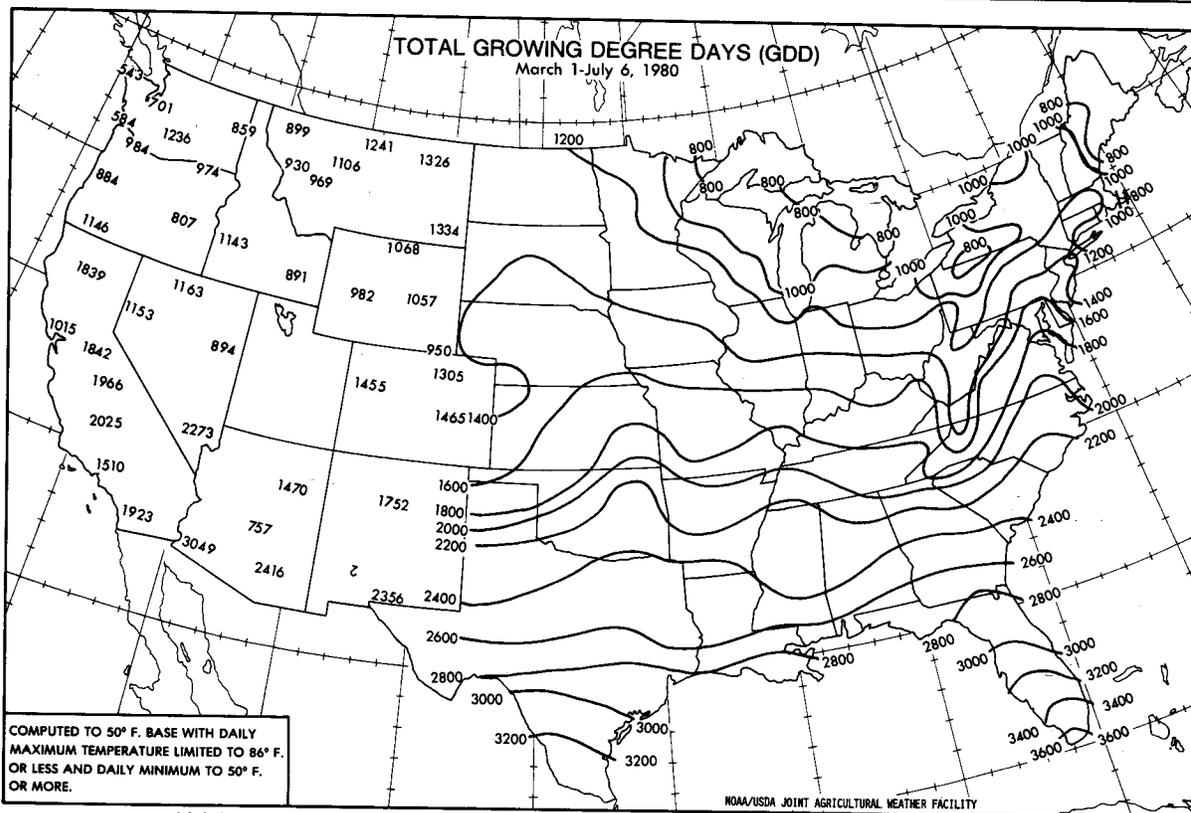
**LOUISIANA:** Rain minimal. Temperatures 4 to 6° above normal. Extremes: 70 and 104°.

Soil moisture short. Fieldwork: 6.1 days suitable. Corn fair, silked 74%, 93% 1979. Dough 40%, 62% 1979. Cotton fair, squaring 58%, 65% 1979, setting bolls 14%, 10% 1979. Rice fair to good, headed 38%, 37% 1979. Sorghum planted 99%, 100% 1979, 94% average. Emerged 95%, 96% 1979, condition fair. Soybeans planted 98%, 98% 1979, 96% average. Emerged 94%, 96% 1979. Condition fair. Sugarcane fair to good. Pastures fair. Livestock good. Hay first cutting 98%. Peaches harvested 66%. Vegetables fair. Sweetpotatoes planted 97%, 99% 1979, 98% average.

**MARYLAND & DELAWARE:** Temperatures averaged 2° above normal except 1° below normal in Delaware. Highs upper 80's to 90's, lows mid 60's to 70's. Precipitation very light.

Soybean planting 95%, 90% last year, 94% normal. Corn good condition. Rye 75% cut. Oats 65% cut. Alfalfa second cutting at 45%, clover and mixtures at 40%. Tobacco 95% planted. Fieldwork: 5.5 days suitable.

**MICHIGAN:** Temperatures averaged up to 5° below normal. Average precipitation 0.30 to 0.70 in. Upper, less than 0.20 in. northern Lower and 0.20 to 0.80 southern Lower. Scattered thunder-showers brought up to 5.50 in. locally.



Crop growth good although soils beginning to get dry. Corn 25 in. high, 24 last year, 31 normal. Hay 1st cutting 82% complete, 86% last year, 85% normal. Oats 47% headed, 68% last year, 72% normal. Wheat 67% yellow, 74% last year, 70% normal. Sweet cherries 2% harvested, 59% last year, 38% normal. Tart cherries harvest to start soon. Strawberries 81% harvested, 78% last year, 86% normal.

**MINNESOTA:** Temperatures averaged 2 to 4° above normal. Extremes: 95 and 40°. Precipitation averaged greater than 0.75 in. below normal in east central and southeast, 0.50 to 0.75 in. below normal elsewhere except locally in extreme northeast near normal. Precipitation totals light, less than 0.50 in. all areas except southwest, and locally in extreme northeast near 1.00 in.

Row crops continued good growth with warm, dry weather. Topsoil moisture becoming short, rain needed soon. Slight improvements in crop conditions. Heading: Spring wheat 92%, 1979 22%, normal 67%; oats 94%, 1979 42%, normal 75%; barley 96%, 1979 25%, normal 70%. Turning ripe: Winter wheat 55%, 1979 13%, normal 52%; rye 56%, 1979 25%, normal 56%; spring wheat 14%, 1979 0%, normal 12%; oats 8%, 1979 0%, normal 19%; barley 17%, 1979 0%, normal 17%. Cutting or swathed: Winter wheat 1%, 1979 0%, normal 2%; rye 1%, 1979 0%, normal 5%. Blooming: Soybeans 9%, 1979 3%, normal 18%; sunflowers 1%, 1979 0%. First cutting alfalfa hay 97%, 1979 81%, normal 90%.

**MISSISSIPPI:** Temperatures 4° above normal. Very little rain. Extremes: 66 and 104°.

Soil moisture mostly short, some adequate reported in northern counties and very short reported in southern counties. Fieldwork: 6.0 days suitable. High temperatures and no rains are

beginning to hurt some crops. Hay 52% harvested, 47% 1979, 43% average. Peaches 41% harvested, 44% 1979, 46% average; fair to good condition. Watermelons 19% harvested, 25% 1979, 15% average. Sorghum 93% planted, 97% 1979, 93% average; 2% headed, 7% 1979. Soybeans 97% planted, 98% 1979, 95% average; 86% up to stand, 89% 1979, 87% average; 6% blooming, 2% 1979, 3% average; good to fair condition. Corn 62% silked, 68% 1979, 61% average; 20% dough stage, 33% 1979; mostly fair condition. Cotton 92% squaring, 81% 1979, 87% average; 38% blooming, 18% 1979; 3% setting bolls, 1% 1979, 10% average; condition good to fair. Pasture good to fair condition.

**MISSOURI:** Hot and humid weather continued. Temperatures averaged 5° above normal with many daytime highs over 100°. Precipitation averaged 0.50 in. west central Ozarks, none west Ozarks, and 1.50 to 2.00 in. elsewhere.

Fieldwork: 4.5 days suitable. Corn 14% tasselled, last year 19%. Double crop soybeans 48% planted, last year 38%. Wheat 99% ripened, last year 89%, normal 100%. Wheat 71% harvested, last year 50%, normal 75%. Oats 24% harvested, last year 10%, normal 68%. Cotton 77% squared, last year 27%, normal 55%. Alfalfa hay 53% harvested second cutting, last year 40%, normal 52%. Other hay 85% harvested, last year 78%. Condition of corn and cotton mostly fair to good. Condition of pastures poor to fair. Topsoil moisture supplies short to adequate.

**MONTANA:** Many areas west of Divide and southwest had near normal amounts of rain from scattered showers and thunderstorms. Most of these areas had around 0.50 in. with few locations reporting a little over 1.00 in. The central portion had amounts less than 0.25 in. with most-

ly light amounts in east. Temperatures averaged 5° above normal southeast and 3 to 4° above normal northeast. In north central, south central, central, west, and southwest, temperatures were 1° below normal to 1° above normal.

Topsoil moisture supplies continue short in eastern third to surplus in the far west. Subsoil moisture pattern is similar. Fieldwork: 6.0 days suitable. Except for eastern third, winter wheat, spring wheat, barley, and oats, crop condition mostly good. Crops in far east poor. Sugarbeets, potatoes and corn crop condition good. First cutting alfalfa hay harvested 50%. Wild hay 25% down. Stock water supplies very short in east.

NEBRASKA: Temperatures above normal. Precipitation scattered, southeast 1.00 in. or more.

Winter wheat mostly good; 80% ripe, 20% last year, 55% normal; 25% harvested, less than 5% last year, 30% normal. Corn mostly good. Few fields showing silk. Soybeans mostly good, 10% blooming. Sorghum condition mostly good. Second cutting of alfalfa 30% harvested, 15% last year. Dry beans, sugarbeets good condition. Topsoil moisture short to adequate. Subsoil moisture mostly adequate. Pasture and range feed supplies short to mostly adequate. Wild hay fair to mostly good. Severe livestock stress in confined areas. Limited livestock losses reported. Fieldwork: 5.5 days suitable.

NEVADA: Dry weather and above normal temperature early, showers and cooler temperatures mid-week. Normal weather end of period. Temperatures averaged near normal. Extremes: 109 and 33°. All stations reported precipitation.

Alfalfa first cuttings hay completed except high elevations. Potatoes and other row crops behind normal development. Small grain harvesting extending northward.

NEW ENGLAND: Cool temperatures early week gave way to warm temperatures through the 5th. Cooler weather with brisk northwest winds returned on 6th. General showers and thunder-showers 30th, 2nd and 5th.

Fieldwork: 4.0 days suitable. Rains slowed hay harvesting but helped growth of second crop. Potato crop in Maine grew rapidly but lags one week behind normal. Growers spraying for beetles and blight. Corn plant growth also behind normal. Problems reported with cutworms and birds. Apples, pears sizing well. Peach set very heavy with growers thinning trees. Cranberry bogs in full bloom. Crop prospects continue good. Peas and other early vegetables being harvested. Summer squash, early sweet corn due next week. Topsoil moisture rated mostly adequate. Grazing conditions short to adequate.

NEW JERSEY: Temperatures averaged 1 to 3° below normal. Extremes: 42 and 91°. Rainfall averaged 1.06 in. north, 0.58 in. central and 0.68 in. south. Soil moisture in percent of field capacity averaged 74 north, 60 central and 73 south.

Fieldwork: 5.8 days suitable. Thunderstorms have been beneficial but many areas need a good general rain. Temperatures extremely varied. Harvest of summer vegetables increasing. Peach and blueberry volume increasing. Hay making and grain combining active. Field corn growth improved by showers. Early soybeans growing good. Planting continues following wheat combining.

NEW MEXICO: Hot and dry. Scattered showers southern areas and mountains.

Soil moisture short. Crops generally in good condition even though hot weather prevails. Favorable for cotton growth. All areas report 90% or better stands. Extensive damage to alfalfa in Rio Arriba County from alfalfa weevil. Harvest of wheat and barley nearing completion. Extreme temperatures turning corn plants white some areas. Prospects for good potato crop appear favorable. Rangeland poor to fair. Cattle and sheep fair to good condition. Ranchers moving herds and supplemental feeding due to drought.

NEW YORK: Temperatures, rainfall averaged near normal. Locally heavy storms.

Crop growth improved, but need warmer temperatures. Oats headed. First cutting alfalfa 90% cut, 89% 1979, 79% average. Clover-timothy 78% done, 81% 1979, 71% average. Grass silage 90% cut, 91% 1979, 85% average. Apple growth good. Pears sizing nicely. Early sweet cherry harvesting underway. Concord grapes in full bloom along Lake Erie.

NORTH CAROLINA: Temperatures normal to 4° above normal. Precipitation 0.25 to 3.00 in.

Fieldwork: 5.6 days suitable. Soil moisture short to adequate. Harvested: Small grains (wheat, oats, barley, rye) nearing completion; flue cured tobacco just underway; peaches 64%, 1979 36%, average 39%; hay 66%, 1979 64%, average 64%. Phenological stages: Cotton 40% squared, 9% setting bolls; corn 48% silking, 12% dough. Conditions: Crops mostly fair to good.

NORTH DAKOTA: Rainfall light in east and west but near normal central portion. Thunderstorms dropped more than 1.00 in. some north central areas. Large hail also reported. Seasonal precipitation since April 1 far below normal. Temperatures hit 90's. Averages 2 to 5° above normal.

Hot, windy and mostly dry weather continued to stress crops with conditions deteriorating. Small grain development being pushed rapidly with some early barley turning to ripe and swathing of winter wheat beginning. Soil moisture severely short and almost equal to record area short in 1961. However, major durum producing area received 0.25 to 2.00 in. rain. Much of small grain crop critical filling stage of development. Some early seeded small grain being plowed under. Fifty-one to 68% small grain acreage heading or beyond compared to average of 31 to 50. Sixty-one % hard red spring wheat heading or beyond compared to 16% last year and 43% average, while 51% of durum in this stage compared to 5% last year and 31% average. Small grain crop condition rated mostly poor to fair. Row crop condition rated mostly fair. Average height vs. height last year and average: Corn 22, 20, 18; sunflower 14, 12, 17; and soybeans 9, 11 and 10. Pasture growth deteriorating. Hay cutting 64% complete for alfalfa and 30% wild hay. Cattle being moved to out-of-state pastures.

OHIO: Despite warm and humid days, average temperatures were near or below normal. Range was from 35 to 98°. Precipitation ranged as high as 1.20 in. in the northwest, but about as many stations reported below normal as above normal precipitation. Cumulative growing degree days since April 1 range from 35 to 240 below average.

Oats ripe 5%, 5% 1979, 15% average. Wheat harvested 5%, 5% 1979, 20% average. Corn

height 40 in., 40 in. 1979, 42 in. average. Soybean height 12 in., 13 in. 1979, 13 in. average. Fieldwork: 5.0 days suitable. Pasture condition good. Soil moisture short to adequate.

**OKLAHOMA:** Temperatures averaged 6° above normal southeast to 10° above normal northeast. Only rain reported 0.08 in. in north central and 0.03 in. Panhandle.

Winter wheat harvest 90% complete, 90% in 1979 and 95% average. Hot, dry weather beginning to show on crops and livestock. Cotton fair, 100% up to stand, 100% 1979, 95% average, some squaring. Sorghum good to fair, 80% up to stand, 95% 1979, 90% average. Grasshopper infestations increasing.

**OREGON:** Temperatures slightly below normal. Rainfall along coast and northeast averaged 0.50 in., elsewhere averaged up to 0.20 in.

Soil moisture adequate. Winter wheat mostly good to excellent; 84% turning color; 85% 1979. Haying picking up. Early grass seed being swathed. Sweet cherry harvest underway. Some areas with heavy rain damage. Tart cherry harvest expected to be down. Strawberries near completion; raspberries being harvested, some ash damage. Pea harvest continuing, broccoli to begin. Livestock, range and pastures in good condition. Forage availability still good on dryland areas. No grasshopper problems reported.

**PENNSYLVANIA:** Temperatures near to 6° below normal. Extremes: 91 and 38°. Scattered showers and thunderstorms provided up to 0.75 in. rainfall parts of mountain areas but only 0.25 to 0.50 in. elsewhere with less than 0.10 in. in the Susquehanna Valley.

Fieldwork: 6.0 days suitable. Soil moisture adequate to short. Average height for corn is 22 in., same as last year. Tobacco transplanting virtually complete, same as last year. Soybean planting virtually complete, same as last year. Barley 9% headed, 31% turning yellow, 38% ripe and 22% harvested; last year, 3% headed, 23% turning yellow, 43% ripe and 31% harvested. Wheat 24% headed, 66% turning yellow, 8% ripe and less than 5% harvested; last year, 20% headed, 61% turning yellow, 18% ripe and less than 5% harvested. Oats 13% not yet headed and 80% headed; last year, 17% not yet headed and 73% headed. First cutting alfalfa virtually complete, same as last year. Second cutting 18%, last year 16%. Clo-tim harvest 89%, last year 83%. Hay conditions mostly good. Feed from pasture mostly average to below average.

**SOUTH CAROLINA:** Temperatures climbed steadily to 100° or higher, well above normal. Last half, scattered showers of 0.25 in. or more.

Soil moisture short to adequate. Fieldwork: 5.6 days suitable. Most corn responding to rains, more needed to maintain fair to good condition; 68% silked, 83 last year, 85 average; dough stage 32%, 54 last year, 57 average. Cotton condition fair to good, boll weevils exceeding threshold numbers in spots, requiring control; 91% squaring, 90 last year, 86 average; setting bolls at 38%, 42 last year, 37 average. Soybean stands fair to good, emerging good following rains, some older stands suffered dry stress; planting at 94%, 98 last year, 96 average. Tobacco fair to good, development improving with rains, controlling suckers; 50% topped, 93 last year. Harvest at 5%, behind 19 last year and 16 average. Peaches good condition, 29% harvested, 39 year ago, 46 average. To-

matoes fair condition, 75% harvested, 88 year ago. Watermelons in fair condition, helped greatly by rains, 30% harvested, 38 year ago.

**SOUTH DAKOTA:** Temperatures above normal. Extremes: 104 and 40°.

Topsoil moisture adequate most of northeast and east central, critically short northwest and north central; generally short elsewhere. Fieldwork: 6.0 days suitable. Some small grains excellent, others will not make good hay. Ranges poor to fair. Water short and poor quality. Some grasshopper problems. Alfalfa hay high prices drouth areas. Oats 96% headed, 80% 1979, 91% average. Spring wheat 97% headed, 74% 1979, 87% average. Barley 97% headed, 81% 1979, 89% average. Oats 12% ripe, 0% 1979, 10% average. Spring wheat 7% ripe, 0% 1979, 4% average. Barley 16% ripe, 0% 1979, 12% average. Winter wheat 47% ripe, 0% 1979, 23% average. Winter wheat 2% harvested, 4% average.

**TENNESSEE:** Scattered showers and thundershowers. Amounts ranged between 2.00 and 3.00 in. Temperatures above normal west and middle, near normal east.

Soybean planting virtually complete. Soybeans 5% blooming, 1979 1%, average 7%. Cotton 80% squaring, 1979 43%, average 72%. Cotton 5% setting bolls, 1979 1%, average 4%. Corn 20% silked, 1979 12%, average 13%. Wheat 95% harvested, 1979 93%, average 86%. Oats 95% harvested, 1979 89%, average 79%. Barley 95% harvested, 1979 91%, average 83%. Pastures fair. Cattle good. Blue mold plaguing tobacco. Alfalfa hay second cut 85% complete.

**TEXAS:** Continued hot, dry. Rainfall well below normal. No significant rainfall. Temperatures ranged 2° above normal East, to 11° Low Plains, Cross-Timbers.

**Commercial vegetables:** In Lower Rio Grande Valley, vegetable harvest nearly complete. Watermelons, cantaloups, honeydew melons being harvested. Hot, dry weather continues to cause damage to cucumbers, watermelons. Watermelons, cantaloups moisture stressed in Upper Coast area. Vegetables growth slowed due to hot weather. In San Antonio-Winter Garden area, vegetable harvest nearing completion. Remaining vegetables drying up from heat. In Central, spring planted vegetables suffering from hot, dry weather. Watermelons showing some damage. Land preparation for fall vegetables progressing. In East, vegetable harvest slowed by hot weather. Some severe burning has occurred to vegetables and watermelons remaining for harvest. Sweetpotatoes doing fine. In North, vegetable fruit set severely curtailed by high temperatures. On High Plains, onion harvest begun. Other vegetables showing signs of heat stress. Peach harvest continuing most areas. High temperatures and dry conditions have limited fruit sizing. Pecans in generally fair condition but some nuts shed due to dry conditions. Some severe casebearer damage occurred in southern areas. Spraying for second generation casebearers, aphids continues.

**Range and livestock:** Ranges, pastures continue to deteriorate as hot, dry conditions continued. Ranges still providing fairly adequate forage but grasses short and little new growth evident. Livestock in generally fair to good condition but some weight loss in beef cattle and reduced milk production in dairy cattle has occurred. Supplemental feeding occurring in areas particularly hard hit by hot, dry weather. Stock water becoming short.

Crops: Record breaking temperatures for second straight week putting stress on crops. No significant rain fell, soil moisture continues to deteriorate. Field crops showing moisture stress. Stands of young cotton, sorghum, corn developing slowly due to intense heat. Wheat harvest progressing rapidly. Fieldwork activities slowed by heat, dry conditions; some cultivation, fertilizing continued. Insect problems light, appear to be building. Heavy infestations of grasshoppers Panhandle. Cotton condition remains fair. Moisture stress seen in dryland fields. Early planted stands withstanding heat. Young stands progressing slowly High Plains. Having difficulty getting established. Irrigation needs high. Insects continued problem Central Coast. Rio Grande Valley bolls opening, some defoliation. Sorghum planting complete, stands showing effects of dry conditions. Dryland fields drying, wilting rapidly under blistering heat. Plains, late planted fields developed slowly, damage not yet critical. Irrigation continues at heavy pace High Plains. Insects reported East, Central. Corn continues to deteriorate, soil moisture conditions worsen. Drought and/or heat damage evident. Many fields Central, Blacklands, Cross-Timbers severely damaged by moisture shortage. East, South damage showing up as small, poorly developed ears. Peanut planting nearing completion, remains ahead of previous years. Central some fields unplanted because of dry field conditions. Stands of irrigated peanuts in good condition, dryland fields showing effects of hot temperatures. Soybean planting remains ahead of last year, and average. Heat stress Coastal area retarded growth in some fields, poor pod setting, development. Wheat harvest is 88% complete, 89% last year, average of 93%. Harvest on Plains continued active. Plowing of wheat stubble continues Central, southward. Hay prospects continue to deteriorate, growth restricted by continuing dryness. Second cutting remains in progress. Grasshopper populations increasing damaging hay meadows. Cotton squaring 46%, 34% 1979. Cotton setting bolls 18%, 14% 1979. Cotton open bolls 5%, 2% 1979. Rice headed 55%, 67% 1979. Rice turning color 20%, 10% 1979. Sorghum headed 61%, 56% 1979. Sorghum turning color 45%, 38% 1979. Sorghum mature 25%, 22% 1979. Sorghum harvested for grain 10%, 8% 1979, 9% average. Wheat harvested for grain 88%, 89% 1979, 93% average. Peanuts planted 99%, 97% 1979, 97% average.

UTAH: Scattered showers and thunderstorm activity middle of period. Accumulated amounts moisture locally heavy along Wasatch front. Average temperatures ranged from 2° below normal to 5° above.

Fieldwork: 6.0 days suitable. Soil moisture becoming short. Winter wheat 45% turning color, 9% ripe. Barley 85% headed, 10% turning color. First crop alfalfa hay harvest nearing completion. Sweet cherry harvest in progress, 15% picked. Tart cherry harvest to begin about July 22.

VIRGINIA: Temperatures averaged above normal. Extremes: 99 and 50°. Rainfall below normal with average amounts about 0.50 in.

Dry weather hampering growth of corn, pasture, germination of soybeans. Growers not planting double-cropped soybeans some areas. Topsoil moisture mostly short. Fieldwork: 5.7 days suitable. Small grains combined: Wheat 83%, 79% 1979; barley 95%, 88% 1979; oats 63%, 41% 1979. Corn silked 23%, 18% 1979. Corn, pastures, soybeans poor; tobacco, peanuts remain fair.

WASHINGTON: West: Temperatures averaged 1 to 4° below normal. Precipitation averaged a little

above normal. Strawberry picking winding down, red raspberry harvest in early stages. Early blueberries starting to ripen. Lettuce, cauliflower, and early pea harvest continued. Some root rot in peas reported. Sweet corn made progress but warmer weather needed. Grasses growing well, hay and silage cutting progressed.

East: Temperatures averaged 4° below normal. Very little precipitation. Fire blight damage to pears and apples becoming severe. Cherry picking continued, apricots to begin at month's end. Orchard thinning, spraying, and irrigating took place. Dry bean crop behind schedule, though potatoes are growing well. Dry pea harvest entering early stages. Haying activities in full swing. Rust becoming a problem in grain crops, though wheat and barley in good shape. Winter wheat affected by foot rot and fungus stripe diseases. Soil moisture adequate. Growers busy working summerfallow and preparing machinery for harvest.

WEST VIRGINIA: Temperatures near normal. Extremes: 96 and 42°. Precipitation above normal, except below normal northeast and southern sections.

Fieldwork: 4.7 days suitable. Soil moisture mostly short. Grains good shape. Harvest: Barley 28%, wheat 6%, oats 3%. Respective development: Barley 56% ripe, 16% headed, 41%, 30% 1979; wheat 47% ripe, 47% headed, 28%, 69% 1979; oats 4% ripe, 71% headed, 22% pre-headed, nearly identical 1979. Corn good shape, drying conditions plus cooling nights hampering development. Pastures good shape, declined slightly from previous week. Tobacco fair. Potatoes nearly split fair to good. Haying 1st cut 81% complete, 73% 1979, 2nd cut 17%, 8% 1979. Fruit 3% good, 39% fair, 24% poor.

WISCONSIN: Temperatures near normal. Highs in 70's and 80's but some 90's 3rd and 4th. Lows in 40's north, 50's south. Scattered showers north 1st with amounts 0.10 to 0.30 in. Few light showers south 3rd. Most significant rain occurred evening 4th and morning 5th, ranging from 0.25 to 0.75 many areas.

Fieldwork: 6.0 days suitable. Harvesting first crop hay 95% done, 1979 85%, normal 80%. Quality very good. Second crop growth good where first crop cut early, harvesting started on second crop. Corn growing very well. Corn height averaged 36 in., 1979 24 in., normal 29 in. Early corn 6 feet tall and nearing tasseling stage. Oats 80% headed, 1979 50%, normal 70%. Height variable but kernel fill good. Winter wheat, rye, and early oats changing color. Wheat and barley look good. Soybeans uneven, some fields show herbicide damage. Pasture conditions declining in warm, dry weather. Tobacco planting nearly completed, plants growing fast but could use rain. Early potatoes look very good. Pea harvest active. Gardens and commercial vegetable crops prospering. Strawberry picking near end. Cranberries in bloom. Apple prospects good. Early cherries ripe southeast. Topsoil moisture short to adequate.

WYOMING: High temperatures generally in upper 80's and 90's. Low temperatures rather cool. Lowest readings upper 30's to low 50's. Precipitation generally below normal with only few exceptions.

Fieldwork: 7.0 days suitable. Topsoil moisture 44% short, 35% very short. Winter wheat: Headed 97%; turn color 68%; mature 6%. Acreage headed: Spring wheat 62%; oats 50%; barley 72%. First cutting alfalfa 56% complete. Other hay 14% cut. Range and pasture condition fair to good. Stock water supply adequate.

## International Weather and Crop Summary

June 30 - July 6

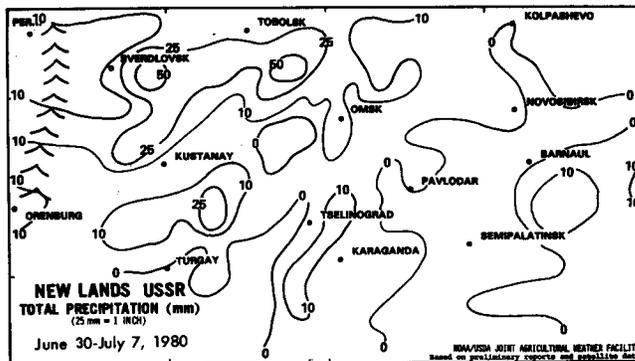
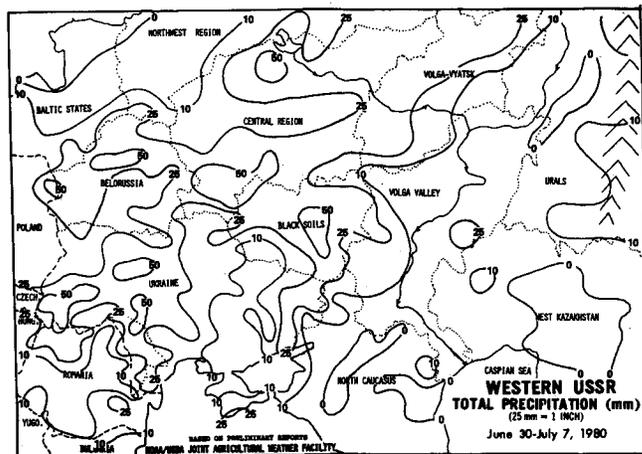
**HIGHLIGHTS:**

- USSR:** Harvesting some winter grain in the South...dry Southeast; too wet in western Ukraine. Spring grains in vegetative stage...too dry in eastern Volga and southern Urals.
- EUROPE:** Harvesting winter grains in the South\*...drier weather.
- CHINA:** Winter grain harvesting nearly complete in the North...drier weather. Early rice harvest beginning\*...favorable conditions.
- INDIA:** Planting season in progress...good to excess rainfall; too dry in parts of South.
- THAILAND:** Dry-season rice heading in Central Plain\*...beneficial rains continue.
- AUSTRALIA:** Winter grain sowing nearly complete\*...very dry conditions in northern New South Wales and Queensland.
- ARGENTINA:** Sowing winter grains\*...dry weather, sufficient soil moisture.
- BRAZIL:** Sowing of winter wheat nearly complete\*...cool weather, soil moisture adequate.
- MEXICO:** Soybeans blooming in the Northwest...intense heat, but rains over watershed improving irrigation water supply.
- CANADA:** Spring grains heading...scattered showers in the grain belt.

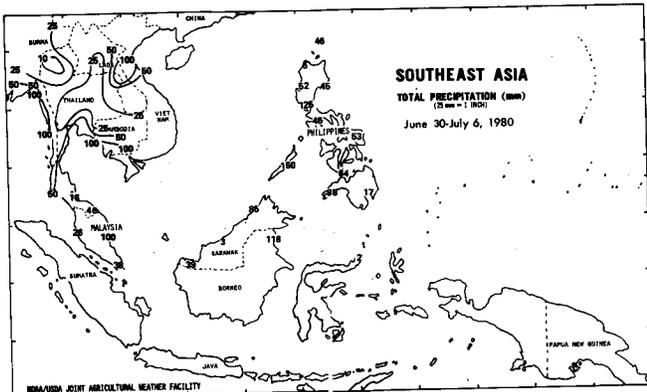
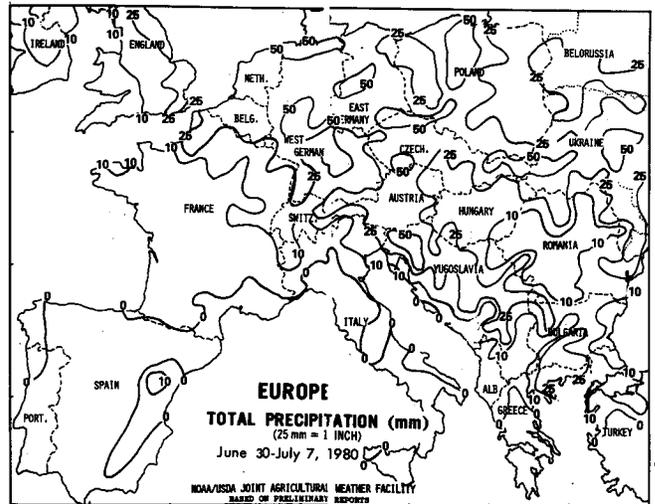
\*Based on normal crop calendar information.

USSR. Dry weather spread northward in the eastern half of the winter grain belt, but a substantial area in the eastern Ukraine remained too wet for maturing winter grains. To the west, rainfall slackened somewhat, but remained three to four times the normal from the Black Sea northward through Belorussia and into the Central Region. Conditions for ripening winter grains were the worst in the southwest, and temperatures in all rainy areas stayed below normal. Spring grains in the eastern Volga Valley and southern Urals received only scattered showers, and although no severe "sukhoveis" occurred, somewhat dry atmospheric conditions briefly pushed northward and put some stress on those crops.

In the New Lands, variable rainfall in the western half maintained good growing conditions. A high pressure system brought mostly fair weather to the east, with most locations receiving little or no rainfall. Soil moisture probably was adequate for immediate crop needs, but additional rainfall will be needed soon because subsoil moisture remains deficient.

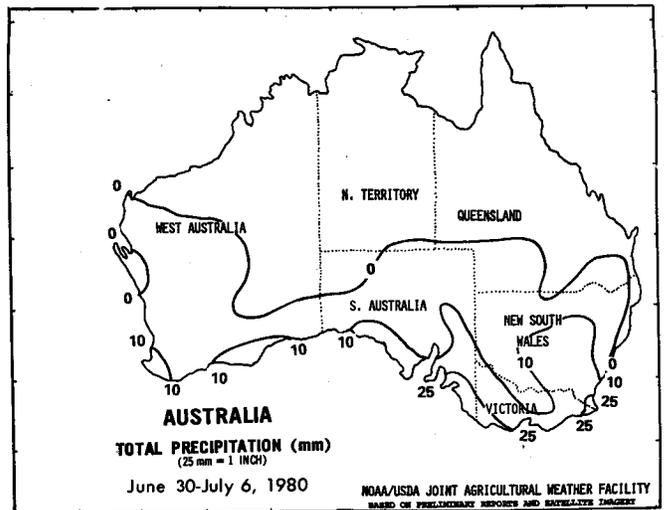


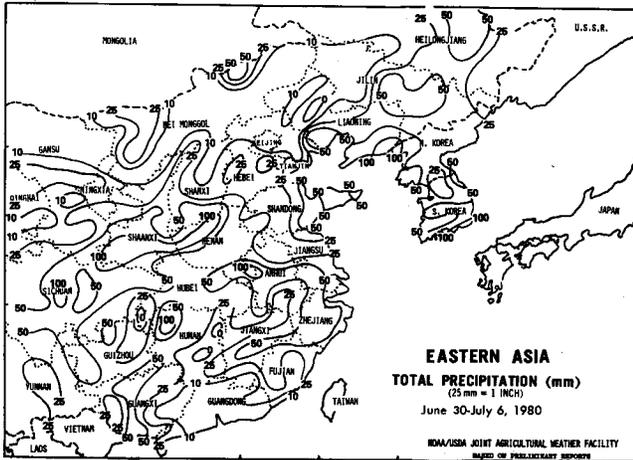
**EUROPE.** The zone of rainy weather shifted to the northeast, leaving only relatively light totals in the southwestern half of the area. These drier conditions were most welcome in the southeastern countries of Hungary, Yugoslavia, and Romania, where maturing winter grains had been too wet. Rainfall in Bulgaria was quite variable. Above-normal rainfall continued for the fourth consecutive week in the northeastern countries, and temperatures remained below normal, delaying development of all crops and possibly reducing yield potentials. The somewhat drier weather in France and England benefited crops, for soil moisture was quite adequate.



**SOUTHEAST ASIA.** Rainfall amounts were generally less than 25 mm in Central Thailand this past week. An ample supply of moisture was available for maize and rice crops grown in this region. Closer to Bangkok, and further south in Thailand and West Malaysia, weekly precipitation totals ranged from 50 to 100 mm. Monsoon activity continues to provide relief from the dry spell which reduced water supplies to low levels in many areas in southeast Asia.

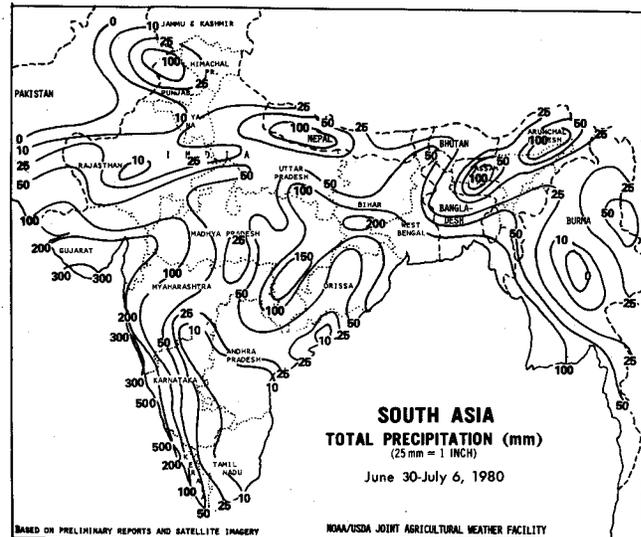
**AUSTRALIA.** Minimal amounts of rain fell in the winter wheat areas of northern New South Wales and Queensland. Moisture is needed in these areas for proper development of the wheat crop which is in its early growth stages. Higher rainfall totals were recorded in the southern coastal areas of Australia. Very light rain fell in the winter wheat area of West Australia. Moisture supplies in this region remain adequate for the present. However, a prolonged dry spell would adversely affect the crop.



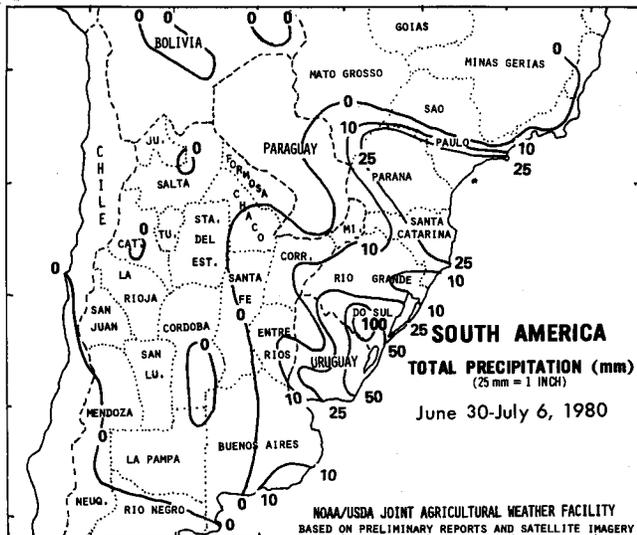


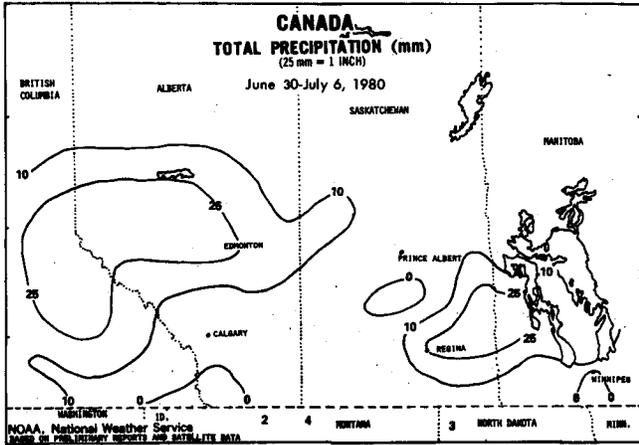
**CHINA.** Drier weather moved into much of the northern part of the North China Plain where the winter grain harvest was winding down. Abundant rainfall in the lower Yangtze River Valley and the hills to the west maintained good soil moisture for spring-planted crops. Good rice harvest weather prevailed in the south coastal provinces. Beneficial rainfall continued in the Manchurian Valley, but persistent relatively dry weather in the spring wheat area of Inner Mongolia may be stressing unirrigated fields.

**SOUTHERN ASIA.** Rainfall slackened somewhat across central India, but conditions remained quite wet. Floods threatened extensive areas in Gujarat following 2 weeks of excessive rainfall. Increased rainfall across northern India and into Nepal benefited crops, for rainfall had been lagging behind normal in some of those areas. Dry weather persisted in Tamil Nadu and southern Andhra Pradesh. Irrigation water supplies should still be quite adequate, but dryland crops are perhaps becoming somewhat stressed.



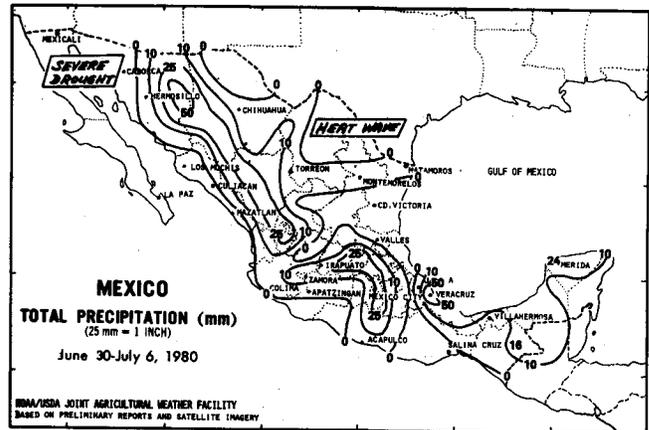
**SOUTH AMERICA.** Showers produced over 100 mm of rain in parts of Uruguay and southern Rio Grande do Sul state in Brazil last week. These heavy showers hampered late wheat sowing in this area. Precipitation amounts were generally light throughout other growing areas of Brazil. Cool temperatures in Parana state early in the week slowed development of wheat in its early stages of growth. In Argentina, showers were confined primarily to coastal regions of Buenos Aires province. Moisture supplies remain adequate for winter grain development.





**CANADA.** Scattered showers during the week brought some relief to drought-stricken areas of southeastern Saskatchewan and southwestern Manitoba. However, only light rainfall totals were recorded in south central Saskatchewan where stubble crops remained in poor condition due to lack of moisture. About 50 percent of the wheat crop was in the heading stage. Improvement of the condition of summerfallow crops and pastureland depends on precipitation for the remainder of the growing season.

**MEXICO.** Heavy rains, estimated at 25 to 60 mm, fell in some northwestern watersheds, which improved prospects for irrigated soybeans, rice, and cotton in the drought-stricken area. Rains of 15 to 45 mm in the southern plateau kept soil moist for corn and beans. Nonirrigated citrus was stressed by temperatures up to 41°C and the lack of rains in the northeast, but the hot, dry weather accelerated maturity and harvest of grain sorghum and corn. Southeastern citrus received adequate rainfall. The heat wave continued to stress crops and livestock in the north, especially the northwest which measured up to 46°C.



**CROP PROGRESS**

FOR WEEK ENDING JULY 6, 1980

WINTER WHEAT % HARVESTED			
	1980	1979	AVG.
CALF	65	74	NA
COLO	7	3	29
IDA	0	0	0
ILL	50	57	67
IND	15	15	45
KANS	70	40	70
MO	71	50	75
MONT	0	0	0
NEBR	25	17	30
OHIO	5	5	20
OKLA	90	90	95
OREG	0	0	NA
S DAK	2	0	4
TEX	88	89	93
WASH	0	0	NA
15 STATES	51	41	NA
EXCL. STATES WITH NA	56	44	61

THESE 15 STATES PRODUCED 90%  
OF THE 1979 WINTER WHEAT CROP.

COTTON % SQUARING			
	1980	1979	AVG.
ALA	75	70	65
ARIZ	87	NA	NA
ARK	85	NA	NA
CALF	20	90	NA
GA	90	94	NA
LA	58	65	NA
MISS	92	81	87
MO	77	27	55
N MEX	100	95	100
N C	40	45	NA
OKLA	15	10	10
S C	91	90	86
TENN	80	43	72
TEX	46	34	NA
14 STATES	52	NA	NA
EXCL. STATES WITH NA	71	58	64

THESE 14 STATES PRODUCED 99%  
OF THE 1979 COTTON CROP.

SOYBEAN % BLOOMING			
	1980	1979	AVG.
ALA	6	16	NA
ARK	17	NA	NA
GA	10	NA	NA
ILL	20	12	18
IND	0	0	5
IOWA	17	0	13
KANS	10	4	NA
KY	17	17	17
LA	14	13	NA
MICH	NA	NA	NA
MTNN	9	3	18
MISS	6	2	3
MO	0	0	4
NEBR	10	NA	NA
N C	17	17	NA
OHIO	0	0	NA
S C	17	17	17
TENN	5	1	7

THESE 18 STATES PRODUCED 94%  
OF THE 1979 SOYBEAN CROP.

SPRING WHEAT % HEADED			
	1980	1979	AVG.
IDA	74	82	64
MINN	92	22	67
MONT	60	15	35
N D	61	16	44
S DAK	97	74	87
5 STATES	72	29	54

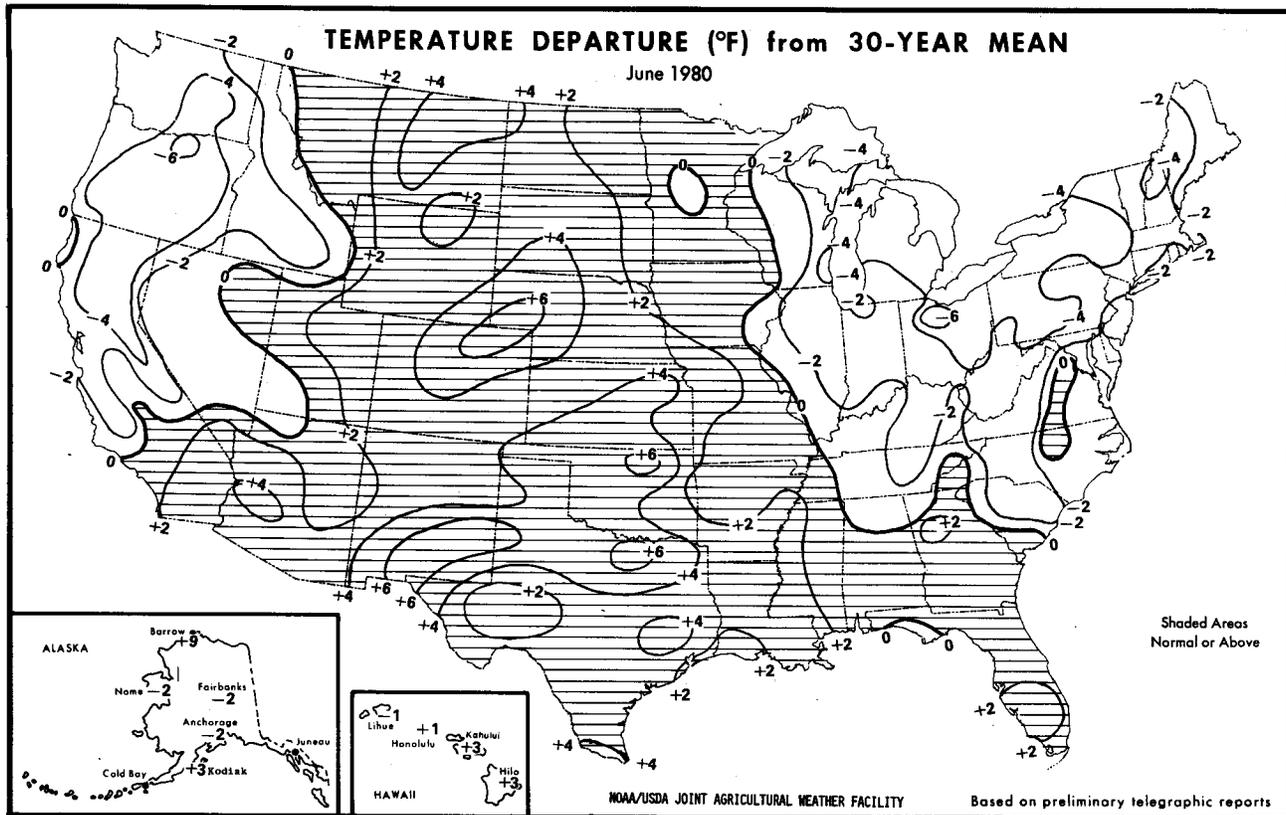
THESE 5 STATES PRODUCED 92%  
OF THE 1979 SPRING WHEAT CROP.

COTTON % SETTING ROLLS			
	1980	1979	AVG.
ALA	NA	NA	NA
ARIZ	45	NA	NA
ARK	5	NA	NA
CALF	3	17	NA
GA	53	76	65
LA	14	10	NA
MISS	3	1	10
MO	0	0	13
N MEX	5	5	8
N C	9	17	NA
OKLA	0	0	0
S C	38	42	37
TENN	5	1	4
TEX	18	14	NA

THESE 14 STATES PRODUCED 99%  
OF THE 1979 COTTON CROP.

RICE % HEADED			
	1980	1979	AVG.
ARK	17	NA	NA
CALF	17	17	NA
LA	38	37	NA
MISS	17	17	NA
TEX	55	67	NA
5 STATES	17	NA	NA

THESE 5 STATES PRODUCED 99%  
OF THE 1979 RICE CROP.17 LESS THAN 5%  
NA - NOT AVAILABLE



### June Weather Summary

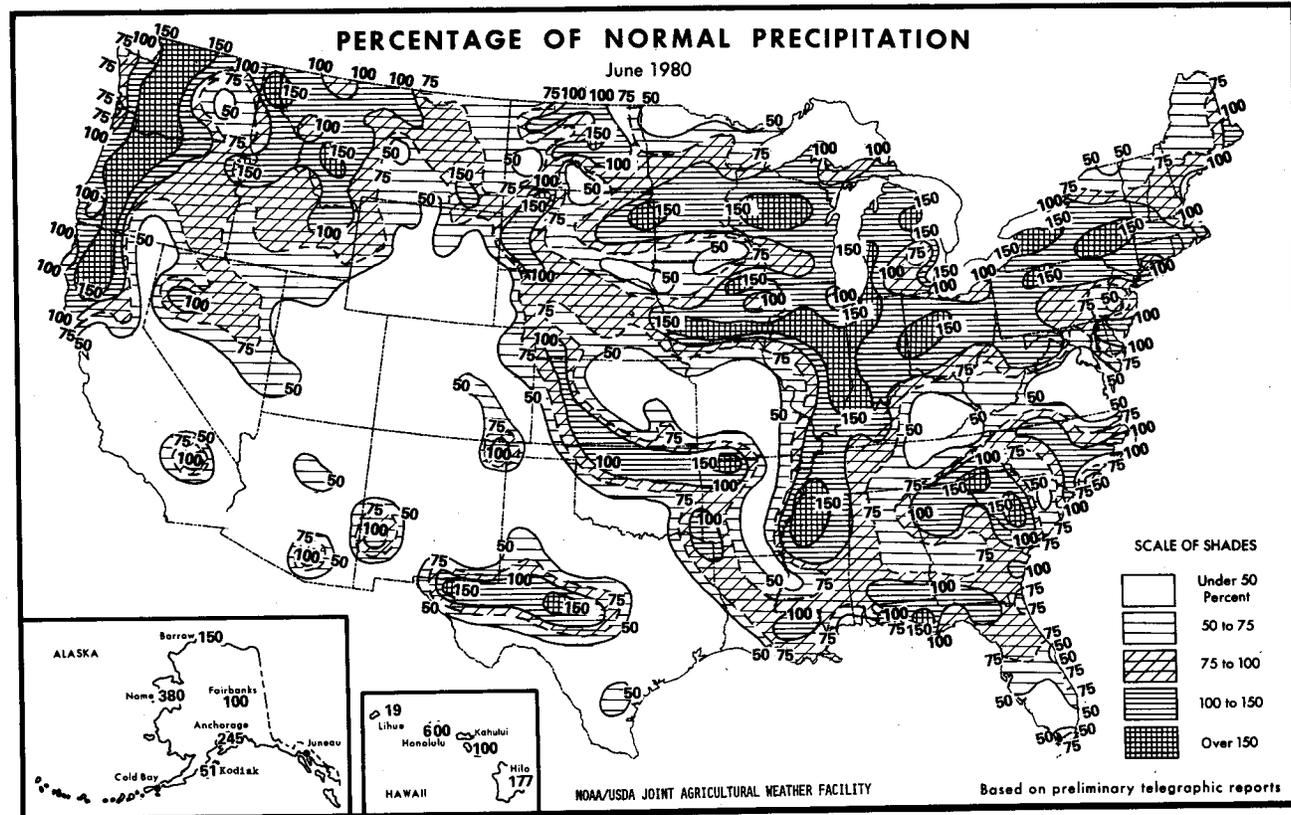
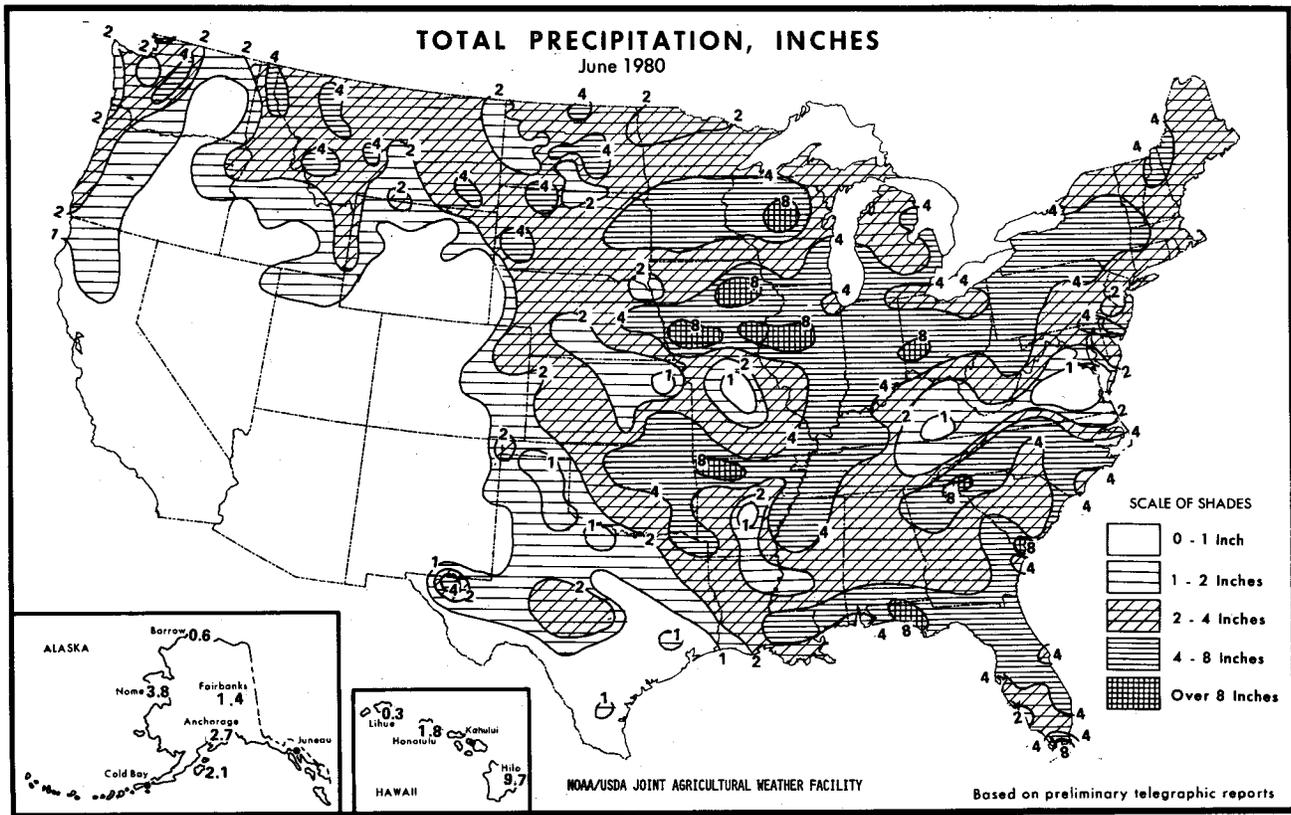
**HIGHLIGHTS:** An intense, record-breaking heat wave developed over the southern and central Plains as temperatures averaged 3 to 6 degrees above normal. Many records were shattered for the highest temperature and duration of the heat. The 117° at Wichita Falls, north central Texas, on the 28th, was the highest since records began in 1891, and El Paso measured 21 consecutive days of 100-degree heat...its longest string since observations started 93 years ago. More than 70 people, a million chickens and young turkeys, and some calves had died from the heat. Water and electric power needs were great, while little or no rain fell over the Southwest. Drought, which began in April, continued across most of the northern Plains as another dry spell developed in the southern Plains in June. Rainfall ranged near normal in the East except for a few dry areas in Missouri, Kentucky, Virginia, and central Arkansas.

**FIRST WEEK...**High pressure aloft over the Great Plains and the Southeast produced hot weather with temperatures averaging 3 to 6 degrees above normal. Cool fronts moving through New England and the Northwest kept temperatures on the pleasant side, even down to 9 degrees below the usual in Oregon. Abundant rains averaging 1 to 3 inches fell from the Dakotas to Iowa and into Pennsylvania. Some fields in the Corn Belt temporarily had standing water as soils were already moist from rains in late May. Rains were mostly light in the Southeast and soils dried. The drought in the northern Plains was relieved some by showers, but they came too late to help much of the spring wheat.

**SECOND WEEK...**The upper ridge of high pressure continued to send temperatures 3 to 7 degrees above normal in most of the Plains and Desert Southwest. The heat wave strengthened from southwestern Texas to Arizona. In contrast, temperatures averaged 3 to 6 degrees below the seasonal norm in the Sierra Nevadas and 6 to 11 degrees below the usual in the Northeast. Rains of 0.5 to 1.5 inches fell across the northern third of the Nation, Florida, and parts of Texas. More than 2 inches fell in a few spots in the northern Plains and the Corn Belt. Fair, hot weather depleted soil moisture in the South.

**THIRD WEEK...**High pressure aloft held firmly from Montana to southwestern Texas, producing temperatures 3 to 8 degrees above the norm over most of the West. The heat wave intensified over the southern Plains and Desert Southwest...highs averaged 106° at El Paso and 108° at Yuma, southwestern Arizona. Unseasonably cool Canadian air blanketed the Northeast and supported a broad rainy frontal zone from the central Plains to the Southeast. Rains averaging 2 to 4 inches from Kansas to Georgia replenished soil moisture which was short in some sections.

**FOURTH WEEK...**The heat wave strengthened in the Desert Southwest and southern Plains and expanded into the central Plains as the high pressure aloft produced temperatures 4 to 11 degrees above normal. Afternoon temperatures averaged 104° at Wichita, Kans., and 112° at Wichita Falls, Tex. Many high-temperature and duration records were set. The Northeast finally warmed, averaging 3 to 6 degrees above seasonal, while the Northwest cooled by an equal amount. Rains were heavy over most of the East and light to moderate from the Great Lakes to the Pacific Northwest.



Temperature and Precipitation Data for June 1980

States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	78	+ 1	3.0	- 1.0	LA. Baton Rouge . . .	82	+ 2	5.4	+ 1.6	Youngstown . . .	62	- 5	3.8	+ .2
Mobile . . .	81	+ 1	2.6	- 3.5	Lake Charles . . .	82	+ 1	1.3	- 3.7	OKLA. Okla. City . .	81	+ 4	2.5	- 1.7
Montgomery . . .	79	- 0	2.5	- 1.5	New Orleans . . .	83	+ 3	3.7	- 1.0	Tulsa . . .	83	+ 6	5.6	+ .9
ALASKA. Anchorage . .	53	- 2	2.7	+ 1.6	Shreveport . . .	83	+ 3	2.6	- .7	OREG. Astoria . . .	55	- 2	1.6	- .9
Barrow . . .	42	+ 9	.6	+ .2	MAINE. Caribou . . .	59	- 1	2.2	- 1.2	Burns . . .	55	- 4	.9	- .1
Fairbanks . . .	57	- 2	1.4	0	Portland . . .	61	- 1	3.3	+ .2	Medford . . .	61	- 3	1.2	+ .3
Juneau . . .	57	- 2	1.4	0	MD. Baltimore . . .	71	- 1	3.0	- .8	Pendleton . . .	60	- 6	1.1	+ .1
Kodiak . . .	53	+ 3	2.1	- 2.0	MASS. Boston . . .	66	- 2	3.1	- .1	Portland . . .	61	- 1	2.5	+ .9
Nome . . .	44	- 2	3.8	+ 2.8	Chatham . . .	61	- 3	3.1	+ .5	Salem . . .	58	- 3	2.0	+ .6
ARIZ. Flagstaff . . .	61	+ 3	T	.3	MICH. Alpena . . .	57	- 4	3.3	+ .5	PA. Allentown . . .	68	- 2	2.9	- .6
Phoenix . . .	89	+ 4	T	-.1	Detroit . . .	64	- 4	6.4	+ 3.0	Erie . . .	61	- 4	4.8	+ 1.3
Tucson . . .	85	+ 2	.2	0	Flint . . .	62	- 4	2.4	- 1.0	Harrisburg . . .	68	- 4	2.5	- .6
Winslow . . .	72	0	.2	- .1	Grand Rapids . . .	64	- 3	4.0	+ .6	Philadelphia . . .	71	- 1	1.7	- 2.0
Yuma . . .	88	+ 2	T	0	Houghton Lake . . .	60	- 3	3.4	+ .1	Pittsburgh . . .	66	- 3	4.3	+ .8
ARK. Fort Smith . . .	79	+ 1	3.2	- .7	Lansing . . .	64	- 4	3.2	- .3	Scranton . . .	65	- 3	4.4	+ 1.0
Little Rock . . .	79	+ 1	.6	- 2.6	Marquette . . .	57	- 2	2.5	- 1.7	R.I. Providence . . .	65	- 1	3.9	+ 1.2
CALIF. Bakersfield . .	74	- 3	0	- .1	Muskegon . . .	62	- 4	4.4	+ 1.7	S.C. Charleston . . .	78	0	3.2	- 3.1
Eureka . . .	56	+ 1	.4	- .3	S. Ste. Marie . . .	55	- 4	3.9	+ .6	Columbia . . .	76	- 3	2.3	- 1.5
Fresno . . .	74	0	T	-.1	MINN. Duluth . . .	60	+ 1	2.4	+ 2.0	Greenville . . .	75	- 1	6.7	+ 2.6
Los Angeles . . .	66	+ 1	T	0	Internatl Falls . . .	62	+ 2	1.7	+ 2.2	S.D. Aberdeen . . .	67	+ 2	2.5	- 1.1
Red Bluff . . .	71	- 5	1.2	+ .7	Minneapolis . . .	68	+ 1	5.5	+ 1.6	Huron . . .	69	+ 2	5.3	+ 1.5
San Diego . . .	68	+ 2	T	-.1	Rochester . . .	67	+ 1	1.8	- 2.8	Rapid City . . .	67	+ 3	4.8	+ 1.1
San Francisco . . .	60	- 2	T	-.1	St. Cloud . . .	64	- 1	6.1	+ 1.5	Sioux Falls . . .	69	+ 1	2.2	+ 2.1
Stockton . . .	71	- 1	T	-.1	MISS. Jackson . . .	81	+ 2	1.7	- 1.7	TENN. Chattanooga . .	74	- 2	2.7	- 1.0
COLO. Denver . . .	72	+ 6	.1	- 1.9	Meridian . . .	79	0	3.3	- .4	Knoxville . . .	75	- 1	1.9	- 1.7
Grand Junction . . .	74	+ 3	T	-.6	MO. Columbia . . .	75	+ 2	.4	- 4.2	Memphis . . .	81	+ 2	5.8	+ 2.3
Pueblo . . .	73	+ 2	.4	- 1.0	Kansas City . . .	75	+ 2	2.5	- 3.0	Nashville . . .	76	- 1	2.9	- .5
CONN. Bridgeport . . .	67	- 1	2.5	-.1	St. Louis . . .	76	+ 1	2.6	- 1.8	TEX. Abilene . . .	84	+ 4	1.1	- 1.7
Hartford . . .	66	- 2	3.8	+ .3	Springfield . . .	75	+ 1	3.6	- 1.1	Amarillo . . .	78	+ 3	1.3	+ 2.2
D.C. Washington . . .	75	0	1.7	- 1.8	MONT. Billings . . .	67	+ 4	1.6	- 1.0	Austin . . .	85	+ 3	.3	- 2.8
FLA. Apalachicola . .	79	- 1	5.0	- .3	Glasgow . . .	66	+ 4	2.6	- .1	Beaumont . . .	83	+ 2	.8	- 4.0
Daytona Beach . . .	79	0	5.6	- 1.0	Great Falls . . .	61	0	3.9	+ .8	Brownsville . . .	87	+ 4	T	- 2.8
Ft. Myers . . .	83	+ 2	2.0	- 6.9	Havre . . .	64	+ 2	3.0	+ .4	Corpus Christi . . .	84	+ 2	T	- 2.7
Jacksonville . . .	80	+ 1	4.6	- 1.7	Helena . . .	60	+ 1	3.2	+ .8	Del Rio . . .	87	+ 3	.3	- 1.7
Key West . . .	84	0	2.6	- 2.0	Kalispell . . .	58	+ 1	3.0	+ .4	El Paso . . .	86	+ 6	T	-.6
Lakeland . . .	83	+ 2	4.2	- 2.5	Miles City . . .	68	+ 3	3.0	- .3	Fort Worth . . .	87	+ 6	1.3	- 1.8
Miami . . .	81	0	3.0	- 6.0	Missoula . . .	59	0	2.0	- .1	Galveston . . .	82	+ 1	.4	- 3.6
Orlando . . .	80	0	5.3	- 1.8	NEBR. Grand Island .	73	+ 2	3.6	- .8	Houston . . .	83	+ 4	.9	- 3.6
Tallahassee . . .	80	0	5.7	- .9	Lincoln . . .	74	+ 2	3.0	- 2.0	Lubbock . . .	83	+ 6	1.8	- 1.0
Tampa . . .	82	+ 1	3.8	- 2.7	Norfolk . . .	72	+ 2	3.8	- .9	Midland . . .	82	+ 2	1.6	+ .1
W. Palm Beach . . .	83	+ 2	4.3	- 3.9	N. Platte . . .	73	+ 5	1.9	- 1.9	San Angelo . . .	83	+ 1	3.1	+ 1.2
GA. Atlanta . . .	79	+ 3	4.5	- .8	Omaha . . .	72	+ 2	7.5	+ 2.6	San Antonio . . .	85	+ 3	.5	- 2.3
Augusta . . .	78	0	4.3	+ .6	Valentine . . .	71	+ 4	2.8	- .8	Victoria . . .	84	+ 2	T	- 3.3
Macon . . .	81	+ 1	2.0	- 1.9	NEV. Ely . . .	58	0	.7	- .2	Waco . . .	85	+ 3	.3	- 2.4
Savannah . . .	80	+ 1	3.5	- 2.4	Las Vegas . . .	84	+ 2	T	- .1	Wichita Falls . . .	85	+ 4	.3	- 3.1
HAWAII. Hilo . . .	78	+ 3	9.7	+ 3.1	Reno . . .	61	- 1	.1	- .3	UTAH. Blanding . . .	68	+ 2	T	- .5
Honolulu . . .	80	+ 1	1.8	+ 1.5	Winemucca . . .	61	- 1	2.6	- .4	Salt Lake City . . .	68	+ 2	.4	- .9
Kahului . . .	80	+ 3	.2	0	N.H. Concord . . .	63	- 2	2.8	- .6	VT. Burlington . . .	65	0	1.9	- 1.6
Lihue . . .	77	- 1	.3	- 1.3	N.J. Atlantic City . .	64	- 6	3.6	+ .2	VA. Lynchburg . . .	69	- 4	.7	- 2.7
IDAHO. Boise . . .	63	- 2	.6	- .5	Trenton . . .	70	- 1	1.7	- 1.5	Norfolk . . .	74	- 1	1.4	- 2.2
Lewiston . . .	63	- 2	1.3	- .5	N.MEX. Albuquerque .	77	+ 2	T	-.5	Richmond . . .	73	- 1	4.4	- 3.1
Pocatello . . .	59	- 3	.9	- .4	Roswell . . .	84	+ 7	.3	- .9	Roanoke . . .	70	- 2	1.8	- 1.7
ILL. Cairo . . .	78	0	5.6	+ 1.2	N.Y. Albany . . .	63	- 5	4.9	+ 1.9	WASH. Colville . . .	60	- 1	1.8	+ .1
Chicago . . .	65	- 3	3.4	- .8	Binghamton . . .	62	- 3	5.7	+ 2.1	Omak . . .	61	- 3	1.6	+ .4
Moline . . .	69	- 2	5.0	+ .6	Buffalo . . .	62	- 4	5.8	+ 3.6	Quillayute . . .	54	- 1	1.9	- 1.6
Peoria . . .	69	- 2	8.9	+ 5.0	New York . . .	70	- 2	3.4	+ .5	Seattle-Tacoma . . .	58	- 2	1.8	+ .3
Rockford . . .	67	- 2	6.1	+ 1.7	Rochester . . .	63	- 4	6.8	+ 4.3	Spokane . . .	58	- 4	1.0	- .4
Springfield . . .	72	- 1	3.2	- 1.0	Syracuse . . .	63	- 4	4.5	+ 1.4	Walla Walla . . .	64	- 3	.9	- .3
IND. Evansville . . .	73	- 2	6.0	+ 2.4	N.C. Asheville . . .	72	+ 1	4.7	+ .7	Yakima . . .	62	- 3	1.1	+ .4
Ft. Wayne . . .	67	- 3	4.5	+ .6	Charlotte . . .	74	- 2	2.3	- 1.4	W.VA. Beckley . . .	64	- 3	2.7	- 1.5
Indianapolis . . .	69	- 3	4.2	0	Greensboro . . .	71	- 3	3.4	- .5	Charleston . . .	69	- 3	2.2	- 1.1
South Bend . . .	68	- 1	6.0	+ 2.3	Hatteras . . .	73	- 1	5.5	+ .7	Huntington . . .	71	- 1	2.0	- 1.4
IOWA. Burlington . . .	70	- 1	8.6	+ 3.9	Raleigh . . .	75	+ 1	4.9	+ 1.2	Parkersburg . . .	68	- 4	3.1	- .9
Des Moines . . .	71	0	5.6	+ .7	Wilmington . . .	77	- 1	2.5	- 3.1	WISC. Green Bay . . .	63	- 2	3.8	+ .4
Dubuque . . .	68	0	5.6	+ .3	N.DAK. Bismarck . . .	66	+ 2	1.7	- 1.9	La Crosse . . .	71	+ 2	3.6	- .8
Sioux City . . .	71	+ 1	1.2	+ 3.4	Fargo . . .	66	+ 1	2.7	- .5	Madison . . .	65	- 1	3.4	- .9
KANS. Concordia . . .	76	+ 3	1.3	- 3.7	Williston . . .	67	+ 4	1.8	- 1.5	Milwaukee . . .	61	- 4	4.7	+ 1.1
Dodge City . . .	78	+ 4	3.9	+ .6	OHIO. Akron-Canton .	64	- 4	3.8	+ .3	WYO. Casper . . .	64	+ 2	.1	- 1.3
Goodland . . .	72	+ 3	1.9	- 1.0	Cincinnati . . .	70	- 2	4.1	+ .3	Cheyenne . . .	66	+ 5	.1	- 2.3
Topeka . . .	77	+ 5	.6	- 5.2	Cleveland . . .	64	- 4	2.7	- .6	Lander . . .	64	+ 3	.1	- 1.8
Wichita . . .	80	+ 4	1.3	- 3.2	Columbus . . .	67	- 3	5.2	+ 1.0	Sheridan . . .	62	+ 1	1.1	- 1.9
KY. Lexington . . .	71	- 2	1.9	- 2.4	Dayton . . .	68	- 3	9.5	+ 5.6	P.R. San Juan . . .	85	+ 4	1.3	- 4.3
Louisville . . .	73	0	3.7	- .4	Toledo . . .	66	- 3	3.2	- .2					

Based on 1941-70 normals

Heating Degree Days (Base 65° F.)

June 1980

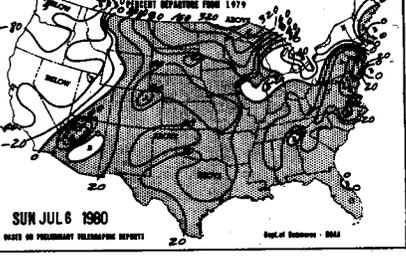
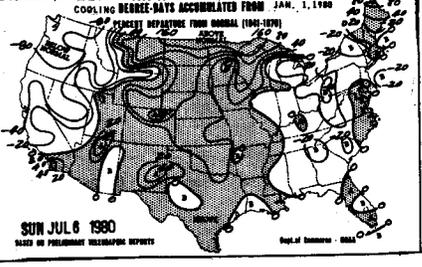
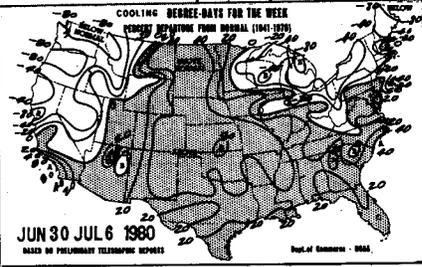
ALA. Birmingham . . . . .	0	MAINE, Caribou . . . . .	200	OKLA. Okla. City . . . . .	0
Mobile . . . . .	0	Portland . . . . .	163	Tulsa . . . . .	0
Montgomery . . . . .	0	MD. Baltimore . . . . .	6	OREG. Astoria . . . . .	279
ALASKA, Anchorage . . . . .	347	MASS. Boston . . . . .	66	Burns U. . . . .	321
Barrow . . . . .	837	Chatham . . . . .	144	Medford . . . . .	121
Fairbanks . . . . .	248	MICH. Alpena . . . . .	281	Pendleton . . . . .	141
Juneau . . . . .	--	Detroit . . . . .	104	Portland . . . . .	125
Nome . . . . .	631	Flint . . . . .	154	Salem . . . . .	217
ARIZ. Flagstaff . . . . .	157	Grand Rapids . . . . .	106	PA. Allentown . . . . .	41
Phoenix . . . . .	0	Houghton Lake . . . . .	209	Erie . . . . .	161
Tucson . . . . .	0	Lansing . . . . .	124	Harrisburg . . . . .	48
Winslow . . . . .	14	Marquette U . . . . .	271	Philadelphia . . . . .	17
Yuma . . . . .	0	S. Ste. Marie . . . . .	317	Pittsburgh . . . . .	71
ARK. Fort Smith . . . . .	0	MINN. Duluth . . . . .	201	Scranton . . . . .	94
Little Rock . . . . .	0	Internatl Falls . . . . .	124	R. I. Providence . . . . .	93
CALIF. Bakersfield . . . . .	0	Minneapolis . . . . .	34	S. C. Charleston . . . . .	0
Eureka U. . . . .	285	Rochester . . . . .	53	Columbia . . . . .	0
Fresno . . . . .	0	St. Cloud . . . . .	83	Greenville . . . . .	0
Los Angeles U . . . . .	34	MISS. Jackson . . . . .	0	S. DAK. Aberdeen . . . . .	31
Red Bluff . . . . .	16	Meridian . . . . .	0	Huron . . . . .	29
Stockton . . . . .	3	Vicksburg U . . . . .	--	Rapid City . . . . .	54
San Diego . . . . .	1	MO. Columbia . . . . .	3	Sioux Falls . . . . .	32
San Francisco . . . . .	155	Kansas City . . . . .	3	TENN. Chattanooga . . . . .	0
COLO. Denver . . . . .	9	St. Louis . . . . .	0	Knoxville . . . . .	1
Grand Junction . . . . .	4	Springfield . . . . .	1	Memphis . . . . .	0
Pueblo . . . . .	6	MONT. Billings . . . . .	46	Nashville . . . . .	0
CONN. Bridgeport . . . . .	39	Glasgow . . . . .	88	TEX. Abilene . . . . .	0
Hartford . . . . .	68	Great Falls . . . . .	148	Amarillo . . . . .	0
D. C. Washington . . . . .	0	Havre . . . . .	81	Austin . . . . .	0
FLA. Apalachicola . . . . .	0	Helena . . . . .	164	Beaumont . . . . .	0
Ft. Myers . . . . .	0	Kalispell . . . . .	218	Brownsville . . . . .	0
Jacksonville . . . . .	0	Miles City . . . . .	32	Corpus Christi . . . . .	0
Key West . . . . .	0	Missoula . . . . .	198	Dallas . . . . .	--
Daytona Beach . . . . .	0	NEBR. Grand Island . . . . .	11	Del Rio . . . . .	0
Miami . . . . .	0	Lincoln . . . . .	5	El Paso . . . . .	0
Orlando . . . . .	0	Norfolk . . . . .	8	Fort Worth . . . . .	0
W. Palm Beach . . . . .	0	North Platte . . . . .	10	Galveston U. . . . .	0
Tallahassee . . . . .	0	Omaha . . . . .	9	Houston . . . . .	0
Tampa . . . . .	0	Valentine . . . . .	26	Lubbock . . . . .	0
GA. Atlanta . . . . .	0	NEV. Ely . . . . .	208	Midland . . . . .	0
Augusta . . . . .	0	Las Vegas . . . . .	0	San Angelo . . . . .	0
Macon . . . . .	0	Reno . . . . .	152	San Antonio . . . . .	0
Savannah . . . . .	0	Winnemucca . . . . .	160	Victoria . . . . .	0
IDAHO, Boise . . . . .	133	N. H. Concord . . . . .	123	Waco . . . . .	0
Lewiston . . . . .	86	N. J. Atlantic City . . . . .	102	Wichita Falls . . . . .	0
Pocatello . . . . .	184	Trenton U . . . . .	24	Utah, Milford . . . . .	58
ILL. Cairo U. . . . .	0	N. MEX. Albuquerque . . . . .	2	Salt Lake City . . . . .	77
Chicago . . . . .	83	Roswell . . . . .	0	VT. Burlington . . . . .	91
Moline . . . . .	27	N. Y. Albany . . . . .	106	VA. Lynchburg . . . . .	19
Peoria . . . . .	26	Binghamton . . . . .	144	Norfolk . . . . .	2
Rockford . . . . .	63	Buffalo . . . . .	142	Richmond . . . . .	2
Springfield . . . . .	8	New York . . . . .	21	Roanoke . . . . .	14
IND. Evansville . . . . .	10	Rochester . . . . .	125	WASH. Colville . . . . .	153
Fort Wayne . . . . .	65	Syracuse . . . . .	115	Omak . . . . .	--
Indianapolis . . . . .	36	N. C. Asheville . . . . .	2	Quillayute . . . . .	319
South Bend . . . . .	58	Charlotte . . . . .	0	Seattle-Tacoma . . . . .	218
IOWA, Burlington . . . . .	16	Greensboro . . . . .	7	Spokane . . . . .	211
Des Moines . . . . .	9	Hatteras R. . . . .	0	Walla Walla U. . . . .	76
Dubuque . . . . .	28	Raleigh . . . . .	0	Yakima . . . . .	109
Sioux City . . . . .	11	Wilmington . . . . .	0	W. VA. Beckley . . . . .	81
KANS. Concordia . . . . .	6	N. DAK. Bismarck . . . . .	58	Charleston . . . . .	27
Dodge City . . . . .	3	Fargo . . . . .	61	Huntington . . . . .	16
Goodland . . . . .	16	Williston U . . . . .	43	Parkersburg U. . . . .	35
Topeka . . . . .	3	OHIO. Akron-Canton . . . . .	95	WIS. Green Bay . . . . .	130
Wichita . . . . .	0	Cincinnati U. . . . .	24	Madison . . . . .	84
KY. Lexington . . . . .	17	Cleveland . . . . .	103	Milwaukee . . . . .	154
Louisville . . . . .	8	Columbus . . . . .	53	WYO. Casper . . . . .	75
LA. Baton Rouge . . . . .	0	Dayton . . . . .	49	Cheyenne . . . . .	65
Lake Charles . . . . .	0	Toledo . . . . .	83	Lander . . . . .	94
New Orleans . . . . .	0	Youngstown . . . . .	139	Sheridan . . . . .	111
Shreveport . . . . .	0				

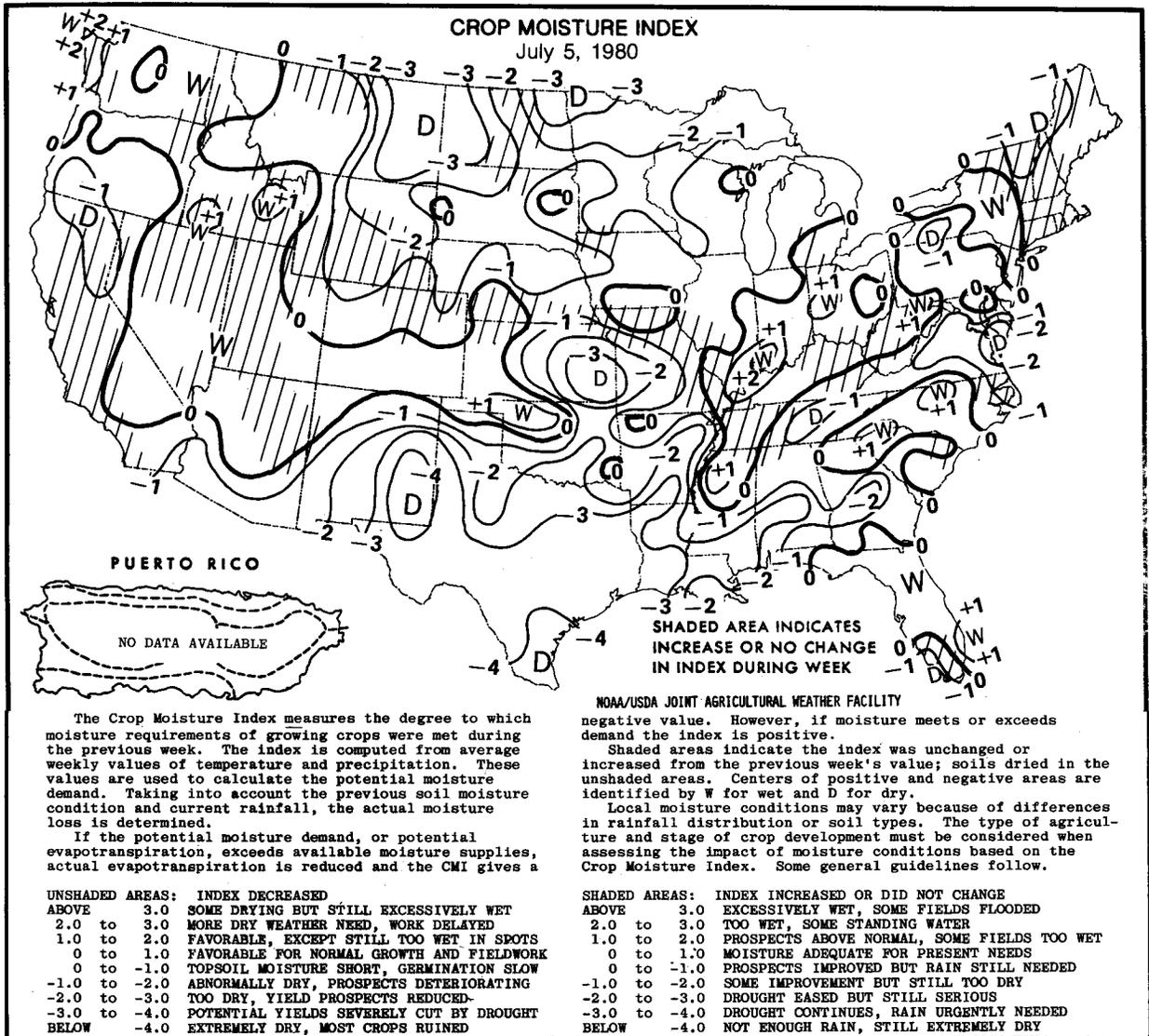
Preliminary reports from airport locations, except those marked U for urban and R for rural.  
\*Estimated.

COOLING DEGREE DAYS (BASE 65°) FOR WEEK ENDING JUL. 6, 1980.

\* BASED ON 1941-70 NORMALS. ACCUMULATIONS FROM JANUARY 1, 1980.

Table with columns for STATES AND STATIONS, WEEKLY ACCUMULATION, SEASONAL ACCUMULATION, and DEPARTURE FROM 1979-80. Rows list various cities across the United States with their corresponding cooling degree day data.





DROUGHT INTENSIFIED OVER MOST OF THE PLAINS, ACCELERATING WINTER WHEAT MATURITY AND HARVESTING BUT STRESSING SPRING WHEAT, COTTON, SORGHUM, AND LIVESTOCK. SEVERE DROUGHT CENTERED IN EASTERN MONTANA, EASTERN KANSAS, WESTERN MISSOURI, AND SOUTH-EASTERN NEW MEXICO TO SOUTH TEXAS. SOIL MOISTURE DECREASED IN EASTERN VIRGINIA AND THE NORTHWESTERN CORN BELT, AS WELL AS THE DELTA'S AND GULF STATES' COTTON AND SOYBEAN AREAS. ELSEWHERE, SOIL MOISTURE WAS GENERALLY ADEQUATE FOR MOST CROPS.

The Weekly Weather and Crop Bulletin is 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 Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the Bulletin. The contents may be reprinted freely, with proper credit.

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<p>U.S. Department of Commerce National Oceanic and Atmospheric Administration National Weather Service/Climate Analysis Center Managing Editor.....Don Haddock Meteorologists.....Lyle Denny Ray McInturff Jim Williams</p> <p>Meteorological Technician.....Wes Byrd Subscriptions.....Thelma Elis</p> <p>U.S. Department of Agriculture Economics, Statistics, and Cooperatives Service Editor/Writer.....Jim Carlin Agricultural Statistician.....Bill Blackson</p> <p>World Food &amp; Agricultural Outlook &amp; Situation Board Agricultural Weather Analysts.....Laras Lambert Ray Motha</p>
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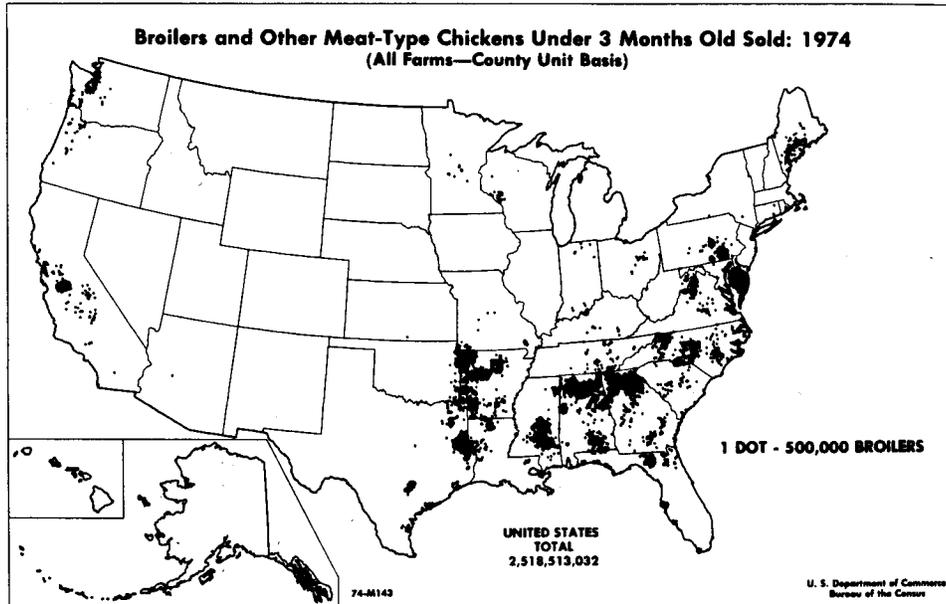
# IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF COMMERCE

210

## FIRST CLASS MAIL



An intense heat wave in the southern Plains and unseasonably hot and humid weather in the South is killing numerous chickens; losses were heavy in Arkansas and Mississippi.