

WEEKLY WEATHER AND CROP BULLETIN

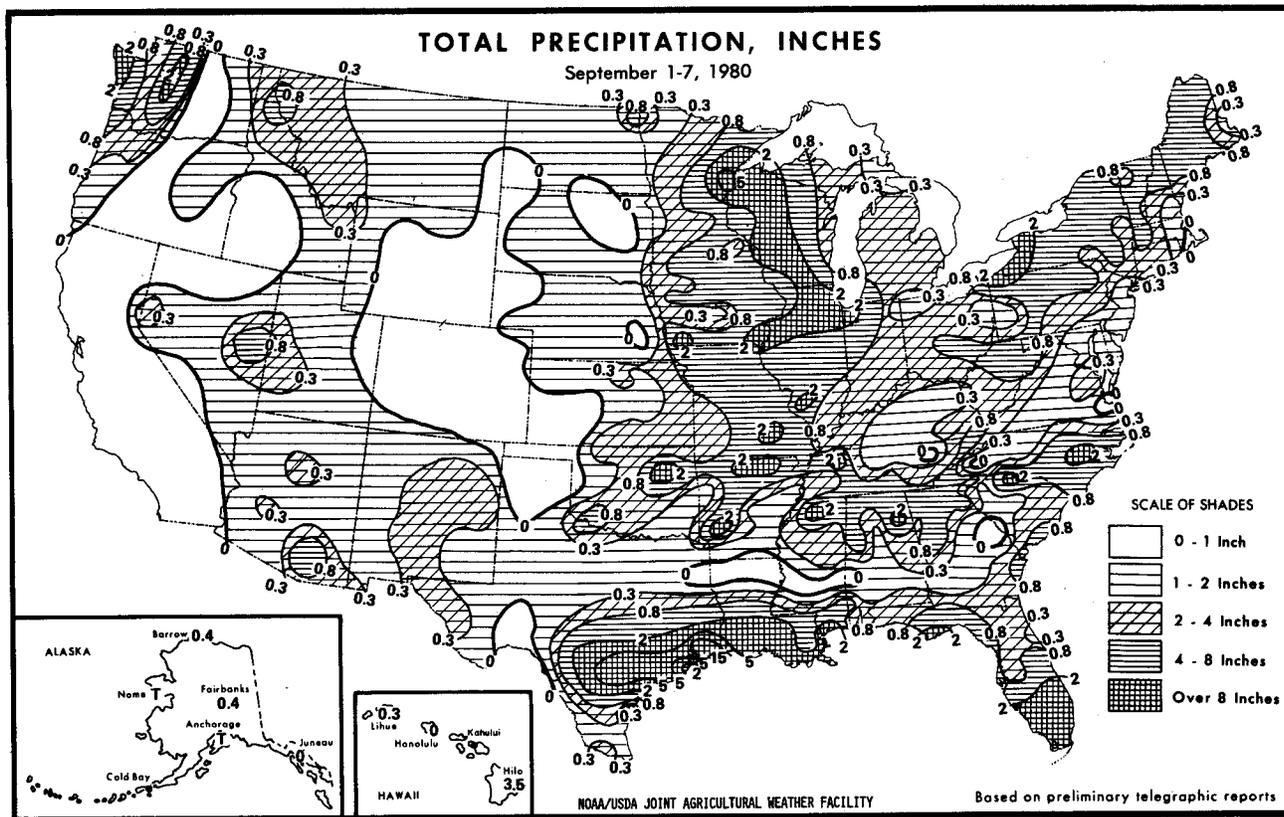
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National Weather Summary

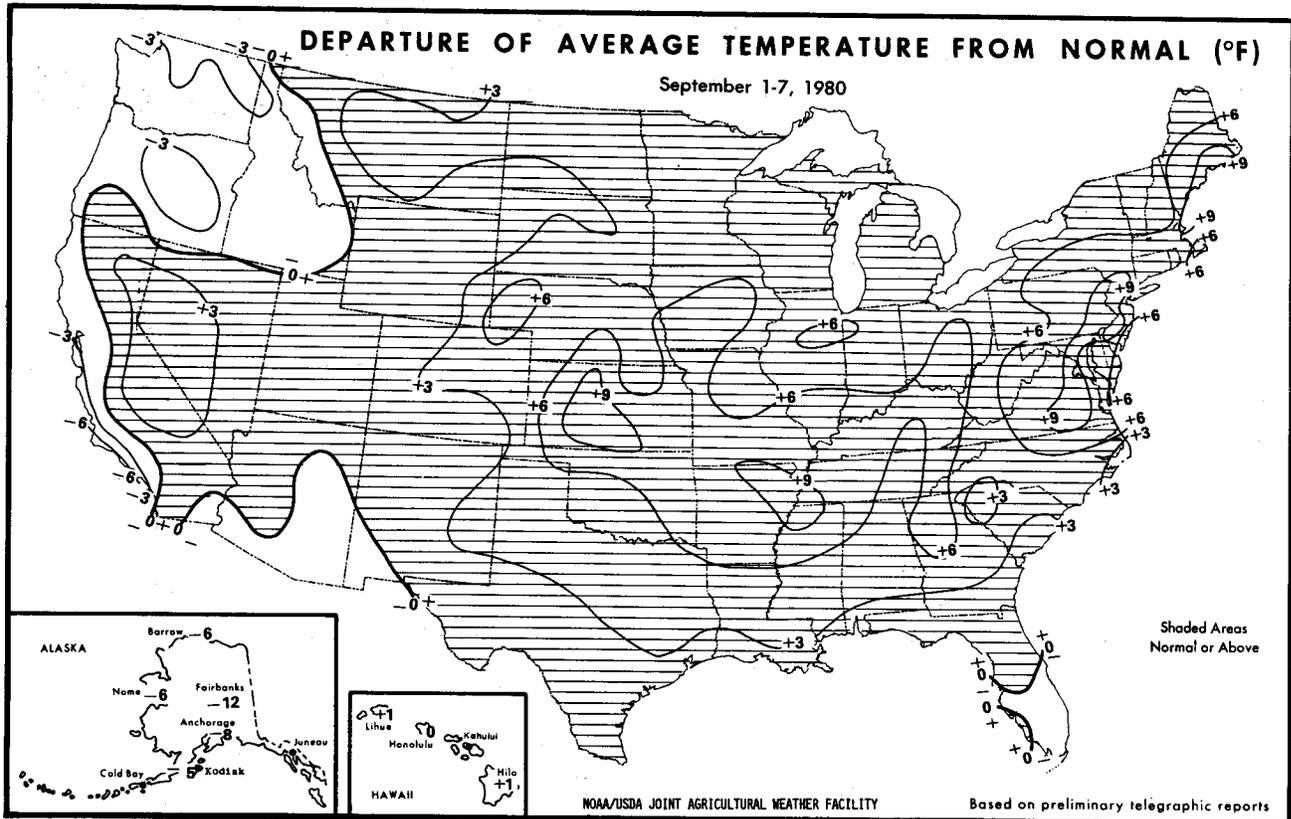
September 1 - 7

HIGHLIGHTS: Thunderstorms, associated with frontal passages, triggered heavy rains in the northern Mississippi Valley. Three to 5 inches covered parts of Wisconsin. Further south, thunderstorms moved into a large part of Oklahoma and Arkansas bringing very welcome rain. Some not-so-welcome isolated, light sprinkles fell in California's San Joaquin Valley where raisins were drying on the ground. Tropical storm Danielle brought deluges of rain to central and southeastern Texas. The heat wave continued in most of the United States. Only the Pacific Northwest, parts of the Southwest, and southern Florida had cooler than normal average temperatures for the week.

MONDAY...A slow-moving frontal system reached from western New England, through the Great Lakes to southern Wisconsin, and then

southward to Southwest Texas. Thunderstorms were scattered in a band from western Texas across Missouri into the Great Lakes region and New England. Tornadoes spun to the ground near Cincinnati and Columbia, Mo. A few thunderstorms rolled from eastern Nebraska and Iowa through the Dakotas and Minnesota. Thunderstorms continued over parts of the Gulf coast States, and showers dampened the Northwest from Washington to western Montana. Hot weather prevailed across the South and into the area east of the Appalachians.

TUESDAY...Thunderstorms moved actively along the front from New England through Pennsylvania and Kentucky to southern Missouri. Showers and thunderstorms edged well ahead of the front in Tennessee and Alabama and extended into eastern Oklahoma and Arkansas where rain was badly



needed. Severe weather dotted the thunderstorm areas. High winds and heavy rain swept through portions of the Northeast; a tornado near Tampa, Fla., destroyed mobile homes, and gusty winds reached 46 mph in north central Texas. Temperatures in the nineties reached northward into the Plains as far north as South Dakota. Record high temperatures scorched parts of the mid-Atlantic States.

WEDNESDAY...A frontal system over the north central United States spread showers and thunderstorms from eastern Montana through the western Great Lakes. Some moderate showers extended southward through northern Illinois and Iowa to eastern Oklahoma and northern Arkansas. Elsewhere, thunderstorms boomed from central Virginia through Florida and along the gulf coast. Tornadoes, hail, and windstorms caused property damage and injuries in Minnesota. Golfball-sized hail pelted parts of northwestern Iowa. The West was clear and dry all day--good weather for drying raisins in California's San Joaquin Valley. Temperatures in the mid-nineties persisted from central Texas to southern Nebraska and eastward to Georgia. The low nineties extended northward along the East Coast to Maryland.

THURSDAY...The cold front moved to Michigan and Missouri. Thunderstorms formed mostly ahead of the front and extended from central New York State through Pennsylvania to northern Illinois and through the Ohio Valley into Missouri and Iowa. Other storms popped up from the Ohio Valley to the gulf coast and in Arizona and New Mexico. A tornado twisted through western Maryland, hail peppered central Kentucky, and 60-mph winds buffeted northern Alabama. Cool

weather sunk deeper into the Plains as the excessive heat reached only into Kansas, but the nineties held eastward to Virginia and Maryland.

FRIDAY...A warm front over the Nation's midsection scattered light showers through the middle Mississippi Valley. Other showers and thunderstorms were frequent along the East Coast from New England through Florida. Tropical Storm Danielle formed over the northwestern Gulf of Mexico and began spreading rain over southern Louisiana and southeastern Texas. Numerous showers and thunderstorms rumbled over Arizona and New Mexico, but the hot, dry weather continued in California. Sunny skies brought 90-degree temperatures back to the Plains as far north as South Dakota. Warm weather continued in the South and the East.

SATURDAY...Tropical Storm Danielle, although weakening, carried heavy rain to southern Louisiana and southeastern Texas and enveloped a large part of central Texas. Up to a foot of rain fell at isolated points near Beaumont on the southeastern Texas Coast. Tropical rains of 4 inches or more caused flooding in the San Antonio-Austin areas. Elsewhere, widely scattered showers and thundershowers fell through the Plateau, the middle Mississippi Valley, the Southeast, and the mid-Atlantic region. Showers in the Sierras came close to California's San Joaquin raisin crop. Temperatures warmed throughout the Plains. One hundred-degree readings reached into South Dakota, and the nineties stretched into Canada.

SUNDAY...The remnants of Danielle continued to spill large amounts of rain over central and

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National Agricultural Summary

SEPTEMBER 1 - 7

HIGHLIGHTS: Dry weather in Idaho, Montana, and North Dakota permitted rapid progress in the small grain harvest, but wet conditions again delayed completion in Minnesota. The heaviest amounts of rain fell in the Pacific Northwest and the eastern half of the Nation. Temperatures averaged above normal in all areas of the Nation except the Northwest, along the coast of California, part of the Southwest, and in southern Florida. Soil moisture was very short to short in the south Atlantic and south central States, and short to adequate in all other States except Wisconsin where supplies were rated as surplus. Farmers had 5 to 7 days suitable for fieldwork in the south Atlantic, south central, and western regions, but only 2 to 5 days were available in the north central States and 4 to 6 days in the north Atlantic region. Winter wheat producers continued to plow and prepare seedbeds for the 1981 crop; seeding was becoming more widespread throughout the country. Spring wheat harvest advanced to 81% complete, slightly ahead of average. Oats and barley harvests made good progress after many delays due to wet conditions. Corn harvest advanced into the southern Corn Belt and the 17 major States reached 4% complete; 81% of the crop reached the dent stage, and 31% was mature. A significant acreage of soybeans showed yellow leaves, and early fields were shedding leaves. Grain sorghum coloring reached 68%, and harvesting advanced northward into Kansas. Cotton bolls opened on 38% of the acreage. Rice harvesting reached 37%; California was the only major State where harvesting failed to get underway. Pastures and ranges lay in fair to good condition in the north central and north Atlantic States, but rated poor to fair in the south Atlantic and Western States and poor in the south central States. Supplemental feeding was necessary in many areas.

CORN: Corn rated fair to good throughout much of the Corn Belt but only poor to fair in other areas of the Nation. In the eastern Corn Belt, dent stage ranged from 60% in Michigan to 94% in Illinois; mature stage ranged from 5% in Michigan to 60% in Illinois. Harvesting just got started in Indiana and Illinois. In the western Corn Belt, dent stage ranged from 65% in South Dakota to 93% in Missouri; mature stage varied from 13% in Minnesota to 45% in Kansas. Harvesting began in Kansas and Missouri. In the 17 major States, 81% of the crop reached the dent stage, 31% was mature and 4% harvested. In the South, harvesting ranged from 15% in Virginia to 70% in Georgia. Many fields have been harvested for silage rather than grain due to hot, dry conditions severely stressing the crop.

SOYBEANS: Soybeans rated fair to good in much of the Corn Belt but rated poor to fair in other major growing areas. In the 18 major States, 94% of the crop had set pods. Much of the acreage showed yellow leaves, while early fields shed leaves. Limited harvesting took place in Illinois. Crop progress is slightly ahead of last year and the average. In areas where hot, dry conditions have prevailed, development was hindered, and some fields have been cut for hay or disked under.

SMALL GRAINS: Spring wheat harvesting advanced to 81% complete, well ahead of last year's 63% and slightly ahead of the 79% average. Rapid progress was made in Idaho, Montana, and North Dakota, but wet conditions delayed harvesting in Minnesota.

Plowing for winter wheat moved actively and seedbeds were prepared for the 1981 crop. Planting gained momentum. Progress in the major States ranged up to 22% in South Dakota. Four percent of the wheat acreage had been seeded in Kansas, 5% in Oklahoma, 11% in Texas, and 15% in Montana.

COTTON: Cotton rated poor to fair in most major producing areas. Bolls opened on 38% of the acreage, and harvesting became more widespread. Progress ranged up to 14% in Texas where harvest progress slowed because of showers. In Texas, some fields were plowed under because of small boll size. Stalk destruction and plowing was underway in harvested fields in Texas. Producers are concerned about seed quality in wet modules soaked from Hurricane Allen.

OTHER CROPS: Grain sorghum coloring advanced to 68% complete. Harvesting reached northward into Kansas where 4% of the crop was in. Oklahoma producers harvested 5% of their crop and Texas farmers 71%. Harvesting reached 28% in the seven major States. Some fields in Texas were grazed or baled because of poor grain development.

Rice harvesting reached 37% complete. Growers finished harvesting in Texas and moved actively in all other States except California.

The Idaho potato harvest got underway; 2% of the crop was harvested. Growers in Maine and New York prepared for harvest.

Peanut digging gained momentum, and harvesting began on a limited scale in Alabama and Georgia.

FRUITS AND NUTS: The fall apple harvest increased in northern production areas as the summer harvest wound down. The peach harvest continued in northern production areas and neared completion in the South.

Timely rains improved Florida's citrus groves; very little irrigation was needed. New foliage began to appear.

In California, the table grape harvest showed good growth. The nectarine harvest increased, the Freestone peach harvest neared completion, and the almond harvest continued. Cool weather in southern areas maintained the quality of Valencia oranges, grapefruit, and lemons.

In Arizona, the lemon harvest accelerated. Other new-crop citrus sized well. In Texas, limited supplies of peaches began to taper off. Pecans reached the dough stage in most areas.

VEGETABLES: Summer vegetable harvests neared completion, and planting of fall vegetables became widespread.

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Weather Data for the Week Ending Sept. 7, 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 Sept. 1	PCT. NORMAL SINCE Sept. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
														90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	95	70	98	67	82	6	T	-.9	T	0	0	96	42	7	0	1	0
MOBILE	91	73	95	73	82	2	.4	-1.3	.4	.4	24	94	56	5	0	2	0
MONTGOMERY	95	72	99	71	83	5	.2	-.8	.1	.2	20	90	43	7	0	2	0
AK ANCHORAGE	54	35	57	29	44	-8	T	-.6	T	0	0	71	40	0	3	0	0
BARROW	33	24	35	22	28	-6	.4	.3	.2	.4	400	94	62	0	6	5	0
FAIRBANKS	48	30	59	24	38	-12	.4	.1	.1	.4	133	75	52	0	6	5	0
KODIAK	57	39	63	38	48	-1	0	-1.3	0	0	0	78	38	0	0	0	0
NOME	50	31	56	26	40	-1	T	-.7	T	0	0	78	54	0	5	0	0
AZ FLAGSTAFF	77	55	83	41	66	6	.5	0	.5	.5	100	73	24	0	0	1	1
PHOENIX	100	77	103	72	89	2	T	-.2	T	0	0	46	23	7	0	1	0
TUCSON	93	69	97	66	81	-1	1.4	1.0	1.1	1.4	350	61	33	6	0	3	1
WINSLOW	86	57	91	50	72	-1	.2	-.1	.2	.2	67	67	1	1	0	1	0
YUMA	102	75	105	70	88	-2	0	-.1	0	0	0	60	20	7	0	0	0
AR FORT SMITH	97	72	99	70	85	7	.1	-.6	.1	.1	14	82	33	7	0	2	0
LITTLE ROCK	96	72	98	68	84	8	T	-.8	T	0	0	85	37	7	0	1	0
CA BAKERSFIELD	95	67	100	64	81	2	0	0	0	0	0	77	27	6	0	0	0
EUREKA	61	51	66	48	56	-1	T	-.1	T	0	0	96	70	0	0	0	0
FRESNO	95	63	101	60	79	3	0	0	0	0	0	62	23	6	0	0	0
LOS ANGELES	72	62	75	60	67	-7	T	-.1	T	0	0	83	60	0	0	0	0
RED BLUFF	95	61	100	57	78	1	0	.1	-	0	0	77	21	7	0	0	0
SAN DIEGO	75	68	76	67	72	1	T	0	T	0	0	78	61	0	0	0	0
SAN FRANCISCO	69	53	73	52	61	-3	T	0	T	0	0	39	55	0	0	0	0
STOCKTON	88	58	95	56	73	-1	0	0	-	0	0	80	36	3	0	0	0
CO DENVER	87	54	92	47	71	4	0	-.2	0	0	0	63	16	3	0	0	0
GRAND JUNCTION	88	56	92	51	72	2	0	0	0	0	0	44	14	3	0	0	0
PUEBLO	90	55	96	50	72	2	0	-.3	0	0	0	73	23	4	0	0	0
CT BRIDGEPORT	83	69	90	64	76	6	.7	-.1	.7	.7	87	88	59	1	0	1	1
HARTFORD	84	61	94	51	73	7	.2	-.7	.1	.2	22	95	38	2	0	2	0
DC WASHINGTON	94	75	101	72	85	11	T	-.9	T	0	0	87	39	6	0	1	0
FL APALACHICOLA	87	73	91	71	80	0	2.2	-.1	1.6	2.2	96	92	63	1	0	4	1
DAYTONA BEACH	89	73	90	71	81	1	.2	-1.5	.1	.2	12	93	55	2	0	5	0
FORT MYERS	91	76	96	73	84	1	2.9	.8	.6	2.9	138	92	56	5	0	4	3
JACKSONVILLE	91	70	93	68	81	1	.4	-1.5	.3	.4	21	98	57	7	0	2	0
KEY WEST	87	78	89	74	83	-1	4.8	3.2	3.3	4.8	300	85	65	0	0	6	2
MIAMI	86	75	88	72	80	-2	3.6	1.7	2.2	3.6	189	93	70	0	0	5	2
ORLANDO	91	72	92	71	81	0	1.7	0	1.1	1.7	100	99	55	6	0	5	1
TALLAHASSEE	92	71	94	70	82	2	1.4	-.3	.6	1.4	82	96	55	7	0	3	2
TAMPA	88	73	90	72	81	-1	1.7	0	.8	1.7	100	96	60	2	0	5	2
WEST PALM BEACH	87	73	88	71	80	-2	3.1	1.0	1.0	3.1	148	99	65	0	0	6	2
GA ATLANTA	93	72	95	70	83	8	.8	0	.4	.8	100	94	49	7	0	4	0
AUGUSTA	95	66	96	64	80	4	T	-.8	T	0	0	98	42	7	0	0	0
MACON	97	71	100	69	84	6	.1	-.7	.1	.1	13	96	41	7	0	1	0
SAVANNAH	93	72	94	68	82	4	1.7	.3	1.7	1.7	121	96	50	7	0	1	1
HI HILO	--	--	--	--	76	0	3.5	1.6	0	3.5	184	--	--	--	--	--	--
HONOLULU	89	76	90	72	82	1	0	-.1	0	0	0	74	48	1	0	0	0
KAHULUI	--	--	--	--	82	3	T	-.1	T	--	--	--	--	--	--	--	--
LIHUE	--	--	--	--	80	1	.3	-.1	0	.3	75	--	--	--	--	--	--
ID BOISE	81	51	92	40	66	-1	T	-.1	T	0	0	52	25	2	0	0	0
LEWISTON	81	52	90	46	66	-1	.3	-.1	.2	.3	300	81	29	1	0	3	0
POCATELLO	80	44	91	38	62	-1	.3	-.1	.3	.3	150	72	24	2	0	1	0
IL CAIRO	92	72	95	70	82	7	.5	-.4	.3	.5	56	--	--	6	0	4	0
CHICAGO	81	63	85	59	72	5	2.5	1.8	1.8	2.5	357	85	51	0	0	3	1
MOLINE	82	62	85	58	72	4	1.5	.6	.8	1.5	167	92	59	0	0	3	2
PEORIA	84	66	88	64	75	6	1.5	.7	1.0	1.5	188	84	57	0	0	5	1
ROCKFORD	81	60	85	51	71	4	2.8	1.9	1.3	2.8	311	90	53	0	0	5	2
SPRINGFIELD	84	65	89	60	74	4	1.7	1.0	.7	1.7	243	93	60	0	0	5	2
IN EVANSVILLE	92	67	96	63	80	7	.3	-.4	.2	.3	43	93	46	7	0	1	0
FORT WAYNE	81	62	85	55	71	4	.3	-.3	.2	.3	50	94	59	0	0	2	0
INDIANAPOLIS	84	63	88	55	73	4	.7	0	.4	.7	100	92	57	0	0	3	0
SOUTH BEND	80	63	83	58	72	5	1.9	1.1	1.3	1.9	237	92	57	0	0	4	1
IA BURLINGTON	81	63	88	61	72	3	4.3	3.5	2.6	4.3	537	--	--	0	0	4	2
DES MOINES	85	64	92	56	75	7	.3	-.5	.2	.3	37	85	48	1	0	2	0
DUBUQUE	79	60	83	54	69	4	1.7	.6	.8	1.7	155	92	52	0	0	3	2
SIoux CITY	84	59	93	52	72	5	.4	-.3	.3	.4	57	92	46	2	0	2	0
KS CONCORDIA	93	64	98	56	78	7	.3	-.5	.3	.3	37	87	33	5	0	1	0
DODGE CITY	96	68	100	61	82	9	0	-.5	0	0	0	72	29	6	0	0	0
GOODLAND	88	57	95	49	73	5	T	-.4	T	0	0	85	30	5	0	1	0
TOPEKA	89	67	96	61	78	7	.4	-.5	.3	.4	44	90	57	4	0	2	0
WICHITA	96	71	101	67	84	9	.3	-.5	.3	.3	37	78	33	7	0	2	0
KY LEXINGTON	88	68	90	62	78	6	T	-.7	T	0	0	91	51	1	0	1	0
LOUISVILLE	92	70	94	66	81	9	.4	-.3	.2	.4	57	91	43	5	0	2	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Sept. 7, 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 Sept. 1	PCT. NORMAL SINCE Sept. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
														90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
LA BATON ROUGE	89	79	93	69	84	4	3.0	2.0	1.3	3.0	300	82	50	3	0	4	2
LA LAKE CHARLES	89	74	95	72	81	1	2.6	1.6	1.7	2.6	260	91	56	4	0	3	1
LA NEW ORLEANS	90	76	95	73	83	3	1.9	.5	1.2	1.9	136	94	65	4	0	4	2
LA SHREVEPORT	98	72	100	71	85	5	T	.7	T	0	94	38	7	0	0	0	0
ME CARIBOU	70	53	80	42	62	4	.9	.1	.9	.9	113	79	57	0	0	2	0
ME PORTLAND	80	61	91	51	71	9	.4	.3	.3	.4	57	92	44	1	0	3	0
MD BALTIMORE	91	68	98	63	79	8	.2	.6	.2	.2	25	92	39	4	0	2	0
MA BOSTON	85	68	96	63	76	9	T	.8	T	0	77	47	2	0	0	0	0
MA CHATHAM	76	63	80	60	69	1	0	.8	0	0	86	62	0	0	0	0	0
MI ALPENA	77	56	83	48	66	6	.4	.4	.3	.4	50	77	56	0	0	2	0
MI DETROIT	80	59	86	54	69	3	.4	.2	.2	.4	67	96	56	0	0	2	0
MI FLINT	76	57	80	51	67	2	.5	.2	.3	.5	71	77	47	0	0	2	0
MI GRAND RAPIDS	80	58	84	53	69	3	.6	.1	.3	.6	86	96	55	0	0	2	0
MI HOUGHTON LAKE	77	52	80	43	65	4	.4	.3	.2	.4	57	91	56	0	0	2	0
MI LANSING	79	59	83	51	69	4	.3	.3	.3	.3	50	93	54	0	0	3	0
MI MARQUETTE	72	50	81	45	61	1	.6	.4	.4	.6	75	94	59	0	0	2	0
MI MUSKEGON	77	58	80	52	68	3	.4	.4	.3	.4	50	94	59	0	0	2	0
MI SAULT STE. MARIE	73	50	80	41	61	3	T	.9	T	T	0	90	56	0	0	1	0
MN DULUTH	72	52	78	45	62	4	3.8	3.0	3.4	3.8	475	92	58	0	0	3	1
MN INT'L FALLS	74	51	86	45	62	6	.5	.3	.3	.5	63	89	59	0	0	2	0
MN MINNEAPOLIS	79	57	88	52	68	5	.7	0	.7	.7	100	84	50	0	0	2	1
MN ROCHESTER	78	56	85	50	67	4	.6	.2	.6	.6	75	92	61	0	0	1	1
MN SAINT CLOUD	79	52	87	46	66	4	1.6	.8	1.4	1.6	200	95	77	0	0	2	1
MS JACKSON	98	71	100	68	84	5	0	.8	0	0	0	98	38	7	0	0	0
MS MERIDIAN	97	70	100	68	83	5	0	.8	0	0	0	97	43	7	0	0	0
MO COLUMBIA	88	67	94	65	77	6	1.2	.2	.5	1.2	120	74	52	2	0	4	2
MO KANSAS CITY	88	69	94	62	79	7	1.1	.1	1.1	1.1	110	84	55	4	0	1	1
MO SAINT LOUIS	89	69	96	66	79	7	.7	.1	.3	.7	117	90	54	2	0	4	0
MO SPRINGFIELD	92	69	97	68	81	8	.4	.5	.2	.4	44	84	42	5	0	2	0
MT BILLINGS	84	53	97	44	59	6	1	.2	.1	.1	33	44	18	2	0	1	0
MT GLASGOW	81	48	97	41	65	3	.1	.2	.1	.1	33	62	31	2	0	1	0
MT GREAT FALLS	81	50	98	42	66	4	.2	.1	.2	.2	67	46	22	2	0	1	0
MT HAVRE	81	47	97	39	64	3	.2	.1	.1	.2	67	73	24	1	0	2	0
MT HELENA	79	45	90	41	62	2	.4	.1	.4	.4	133	62	24	1	0	1	0
MT KALISPELL	73	43	80	36	58	1	.6	.3	.5	.6	200	97	47	0	0	2	1
MT MILES CITY	83	53	97	44	68	3	T	.3	T	0	0	60	21	3	0	1	0
MT MISSOULA	76	43	87	37	59	0	.4	.1	.2	.4	0	91	36	0	0	1	0
NE GRAND ISLAND	90	59	98	51	75	6	.1	.5	.1	.1	0	79	33	5	0	1	0
NE LINCOLN	88	63	97	53	76	6	T	.8	T	0	0	83	45	3	0	0	0
NE NORFOLK	88	59	98	50	73	7	.2	.4	.2	.2	33	84	39	3	0	1	0
NE NORTH PLATTE	88	52	94	45	70	4	.1	.4	.1	.1	20	84	28	4	0	1	0
NE OMAHA	85	63	93	52	74	1	1.0	.1	1.0	1.0	111	81	51	2	0	1	1
NE VALENTINE	90	53	101	42	72	6	.2	.2	.2	.2	50	72	25	4	0	0	0
NV ELY	80	44	86	32	62	2	1.0	.9	.8	1.0	1000	46	26	0	1	2	1
NV LAS VEGAS	99	72	102	66	86	2	T	.1	T	0	0	35	15	7	0	0	0
NV RENO	87	47	91	40	67	4	.4	.4	.6	.4	0	69	18	2	0	2	1
NV WINNEMUCCA	88	46	93	35	67	4	0	.1	0	0	0	52	17	3	0	0	0
NH CONCORD	80	53	90	41	67	4	.2	.5	.2	.2	29	87	44	1	0	1	0
NH ATLANTIC CITY	86	64	94	56	75	5	T	.8	T	0	0	78	44	2	0	1	0
NH TRENTON	87	70	96	64	79	9	.1	.7	.1	.1	13	77	44	2	0	1	0
NM ALBUQUERQUE	88	59	94	56	74	0	.3	.1	.3	.3	150	62	20	3	0	3	0
NM ROSWELL	89	65	93	61	77	1	.2	.1	.1	.2	67	77	44	4	0	3	0
NY ALBANY	83	59	90	51	71	6	.4	.3	.4	.4	57	88	40	2	0	0	0
NY BINGHAMTON	82	59	89	53	71	7	.6	.1	.3	.6	86	91	44	0	0	1	0
NY BUFFALO	79	61	85	53	70	5	2.1	1.3	1.3	2.1	263	91	48	0	0	2	2
NY NEW YORK	84	71	90	68	78	6	.1	.8	.1	.1	11	81	48	1	0	1	0
NY ROCHESTER	82	60	88	53	71	6	1.9	1.3	1.4	1.9	317	95	48	0	0	2	2
NY SYRACUSE	82	61	88	54	72	6	1.8	1.1	.9	1.8	257	90	46	0	0	3	2
NC ASHEVILLE	87	63	90	59	75	5	T	.9	T	0	0	77	54	1	0	0	0
NC CHARLOTTE	90	69	93	66	80	5	.5	.3	.4	.5	63	96	50	5	0	2	0
NC GREENSBORO	30	68	93	65	79	7	.2	.7	.1	.2	22	99	50	5	0	2	0
NC HATTERAS	86	70	88	68	78	2	1.0	.5	.9	1.0	67	94	65	0	0	2	1
NC RALEIGH	91	69	94	67	80	6	1.6	.6	1.6	1.6	160	86	53	5	0	2	1
NC WILMINGTON	92	72	94	70	82	5	1.1	.4	1.0	1.1	73	95	51	7	0	2	1
ND BISMARCK	80	50	94	43	65	4	T	.4	T	0	0	87	40	2	0	0	0
ND FARGO	81	53	92	45	67	5	T	.5	T	0	0	85	39	2	0	0	0
ND WILLISTON	83	49	103	43	66	5	.2	.2	.1	.2	50	83	36	2	0	2	0
OH AKRON-CANTON	83	62	88	52	72	6	.1	.5	T	.1	17	76	48	0	0	2	0
OH CINCINNATI	86	65	88	62	75	4	.7	.1	.3	.7	117	98	57	0	0	3	0
OH CLEVELAND	81	60	87	53	70	4	.6	.1	.4	.6	86	79	56	0	0	3	0
OH COLUMBUS	84	65	88	59	74	6	1.1	.5	1.1	1.1	183	86	51	0	0	1	1
OH DAYTON	85	65	91	60	75	6	.4	.2	.3	.4	67	91	52	2	0	2	0
OH TOLEDO	79	58	86	53	69	2	.3	.3	.2	.3	50	95	63	0	0	1	0
OH YOUNGSTOWN	81	57	89	49	69	3	.1	.5	.1	.1	17	96	43	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Sept. 7, 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., 1 SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
														90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK OKLAHOMA CITY	93	69	97	67	81	5	.5	-.3	.5	.5	63	80	38	6	0	2	1
TULSA	94	74	100	69	84	7	2.6	1.7	1.6	289	85	47	6	0	2	2	
OR ASTORIA	65	50	70	44	58	-2	1.1	.6	.6	1.1	220	86	64	0	0	2	2
BURNS	77	36	84	27	56	-5	T	.1	T	0	0	68	19	0	1	0	0
MEDFORD	89	50	95	45	69	2	0	.1	0	0	0	81	26	3	0	0	0
PENDLETON	81	52	90	44	67	-1	.1	0	.1	.1	100	27	1	0	0	0	0
PORTLAND	77	52	86	45	64	0	.5	.2	.3	.5	167	93	43	0	0	4	0
SALEM	79	47	87	41	63	-1	.4	.2	.3	.4	200	91	35	0	0	2	0
PA ALLENTOWN	90	65	99	57	78	10	.4	.5	.3	.4	44	71	35	4	0	2	0
ERIE	78	62	87	53	70	4	3.3	2.5	2.1	3.3	412	--	--	0	0	3	3
HARRISBURG	87	65	95	58	76	6	.3	.4	.2	.3	43	91	46	2	0	2	0
PHILADELPHIA	89	72	96	68	81	10	.1	.7	.1	.1	13	81	41	4	0	2	0
PITTSBURGH	85	61	90	57	73	6	.2	.4	.1	.2	33	95	47	1	0	2	0
SCRANTON	85	62	95	56	74	8	.8	.1	.5	.8	114	87	35	2	0	2	1
RI PROVIDENCE	85	64	97	54	75	8	T	.8	T	0	0	88	40	2	0	0	0
SC CHARLESTON	91	71	93	69	81	4	.8	.5	.3	.8	62	97	54	6	0	5	0
COLUMBIA	93	69	95	67	81	4	.2	1.0	.2	.2	17	97	45	7	0	1	0
GREENVILLE	87	67	90	65	77	3	T	.9	T	0	0	95	56	1	0	1	0
SD ABERDEEN	82	53	94	45	67	4	T	.4	T	0	0	91	43	1	0	0	0
HURON	85	50	99	43	68	3	0	.4	0	0	0	95	35	2	0	0	0
RAPID CITY	85	50	93	40	67	3	T	.3	T	0	0	73	24	2	0	1	0
SIOUX FALLS	83	54	90	44	69	4	.4	.3	.4	.4	57	84	45	2	0	1	0
TN CHATTANOOGA	91	68	93	67	79	4	.8	0	.8	.8	100	97	43	4	0	1	1
KNOXVILLE	91	70	92	69	81	6	T	.7	T	0	0	94	47	6	0	0	0
MEMPHIS	98	76	100	73	87	10	.2	.6	.2	.2	25	74	39	7	0	1	0
NASHVILLE	95	70	98	66	82	7	.1	.7	.1	.1	13	90	35	7	0	1	0
TX ABILENE	95	73	98	71	84	5	T	.5	T	0	0	66	33	6	0	1	0
AMARILLO	90	62	92	61	76	3	0	.5	0	0	0	72	29	4	0	0	0
AUSTIN	94	74	99	71	84	2	1.8	1.0	1.1	1.8	225	84	49	5	0	2	2
BEAUMONT	89	76	95	74	83	2	17.2	15.9	11.8	17.2	1323	39	65	4	0	2	2
BROWNSVILLE	94	75	98	72	85	2	T	1.1	T	0	0	89	48	7	0	1	0
CORPUS CHRISTI	91	74	92	73	83	0	.1	1.0	.1	.1	9	93	55	6	0	1	0
DEL RIO	96	73	98	71	84	2	T	.6	T	0	0	81	33	7	0	0	0
EL PASO	88	65	96	63	77	0	.4	.1	.3	.4	133	65	32	4	0	2	0
FORT WORTH	97	74	101	71	86	5	.1	.6	.1	.1	14	65	36	6	0	2	0
GALVESTON	87	78	89	73	82	0	1.9	.6	.5	1.9	146	88	70	0	0	4	2
HOUSTON	93	76	100	74	85	3	3.1	2.0	1.6	3.1	282	96	56	5	0	3	2
LUBBOCK	90	67	93	62	78	4	T	.5	T	0	0	68	33	4	0	1	0
MIDLAND	91	66	93	65	78	0	T	.4	T	0	0	75	32	6	0	1	0
SAN ANGELO	93	71	96	66	82	2	T	.6	T	0	0	76	36	6	0	1	0
SAN ANTONIO	92	74	100	71	83	2	4.2	3.4	2.5	4.2	525	89	52	5	0	2	2
VICTORIA	92	75	95	73	83	1	2.4	1.4	.8	2.4	240	92	39	6	0	4	3
WACO	97	75	101	71	86	4	.3	.4	.3	.3	43	79	40	6	0	1	0
WICHITA FALLS	98	71	101	69	85	4	.7	.1	.6	.7	117	84	33	7	0	3	1
UT BLANDING	85	52	90	46	69	2	T	.3	T	0	0	54	21	1	0	1	0
SALT LAKE CITY	85	55	93	48	70	2	.2	0	.1	.2	100	64	26	3	0	2	0
VT BURLINGTON	77	59	83	49	68	5	.7	-.1	.5	.7	87	88	56	0	0	2	1
VA LYNCHBURG	93	67	97	64	80	9	.2	.6	.2	.2	25	100	--	6	0	1	0
NORFOLK	90	73	97	71	82	7	T	1.1	T	0	0	89	48	2	0	0	0
RICHMOND	94	69	100	64	82	8	.4	.5	.4	.4	44	98	43	6	0	1	0
ROANOKE	89	56	93	64	78	7	.3	.6	.3	.3	33	94	48	4	0	1	0
WA COLVILLE	73	42	82	37	58	-4	.2	0	.2	.2	0	--	--	0	0	1	0
OMAK	72	--	77	--	--	--	0	.1	0	0	0	--	29	0	0	0	0
QUILLAYUTE	64	51	68	46	57	-1	4.0	3.2	2.4	4.0	500	99	76	0	0	3	2
SEATTLE-TACOMA	69	52	79	48	60	-1	.7	.3	.4	.7	175	89	59	0	0	3	0
SPOKANE	74	47	83	39	60	-3	.3	.2	.3	.3	300	89	38	0	0	1	0
WALLA-WALLA	82	55	92	44	68	-1	.2	.1	.1	.2	200	72	30	2	0	2	0
YAKIMA	80	47	89	40	63	-1	0	.1	0	0	0	80	29	0	0	0	0
WV BECKLEY	81	61	83	58	71	5	.3	.5	.2	.3	37	95	54	0	0	2	0
CHARLESTON	86	67	89	62	77	6	.6	.1	.6	.6	86	98	60	0	0	1	1
HUNTINGTON	88	69	90	65	78	8	T	.7	T	0	0	95	56	3	0	1	0
PARKERSBURG	87	66	90	64	77	7	1.0	.3	1.0	1.0	143	77	48	2	0	1	1
WI GREEN BAY	77	55	80	50	66	4	.6	.2	.6	.6	75	93	57	0	0	1	1
LA CROSSE	82	62	89	54	72	7	3.7	2.9	3.0	3.7	463	95	60	0	0	2	2
MADISON	78	54	83	46	66	3	2.1	1.3	1.8	2.1	263	95	58	0	0	4	1
MILWAUKEE	77	58	80	53	68	3	.6	.1	.3	.6	86	88	55	0	0	3	0
WY CASPER	84	45	91	38	65	2	0	.2	0	0	0	66	25	1	0	0	0
CHEYENNE	83	48	88	41	65	4	0	.3	0	0	0	60	19	0	0	0	0
LANDER	82	47	88	38	65	2	0	.2	0	0	0	52	16	0	0	0	0
SHERIDAN	84	44	95	34	64	2	.1	.2	.1	.1	33	62	16	2	0	1	0
PR SAN JUAN	90	78	91	77	84	2	1.2	.3	.4	1.2	80	85	58	4	0	4	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: Temperatures 4° above normal. Widely scattered showers brought local relief only. Fieldwork: 5.7 days. Soil moisture very short to short. Activities: Applying chemicals, land preparation, harvesting hay and corn, care of live-stock and poultry. Corn: Mature 96%, 91% 1979, 82% average; harvested 55%, 47% 1979, 27% average. Soybeans: Setting pods 95%, 95% 1979; leaves turning yellow 38%, 18% 1979, 22% average; dropping leaves 20%, 7% 1979; maturing 6%, 2% 1979. Cotton bolls open 28%, 8% 1979, 18% average. Peanuts dug 6%, 6% 1979, 15% average; combined 4%, 3% 1979, 12% average. Condition: Corn, pastures, soybeans mostly poor; cotton, peanuts, sorghum, poor to fair.

ALASKA: Tanana Valley had winter like weather. Temperatures were 10 to 15° below normal. Matanuska Valley had first hard freeze of season. Temperatures averaged 10° below normal. Kenai Peninsula had first hard freeze. Temperatures were 5 to 10° below normal. Light snowfall in Tanana Valley and killing frost throughout Rail Belt. Suitable days for harvesting ranged 1 to 6. Precipitation or wind damage small grains light to moderate. Cool temperatures slowed grain development. Very little oat or barley combined. Dairymen made excellent progress harvesting silage and second crop hay. Potato digging widespread. Soil moisture supplies mostly adequate to surplus.

ARIZONA: Break in summer thunderstorm season continued into first of week. Moisture increased with thunderstorm activity last half. Amounts mostly between 0.10 to 1.50 in., locally over 1.00 in. fell Central Basin, White Mountains, southeast. Average temperatures 3° below normal to 3° above. Cotton continues developing well, 73% of stands having bolls opening. Insect control still below normal. Stub cotton being harvested limited scale. Some defoliants applied Yuma area on regularly planted cotton. Verticillium wilt becoming concern Maricopa, Cochise Counties. Corn maturing, some stands no longer being watered. Sorghum harvest continues limited scale. Planting 1981 sugarbeet crop continues. Alfalfa haying continues, southwestern areas well into 6th cutting, other areas mostly in 5th. Preparations full swing fall, winter lettuce, mixed vegetables, melon crops. Fall cantaloups good stands. Lemon harvest accelerating. Other new crop citrus sizing well. Spotty improvements rangeland. Southeastern counties improved conditions, poor to fair. Southwestern counties very poor range. Fair central, northern. Livestock fair, water short to adequate.

ARKANSAS: Spotty, light rainfall. Temperatures well above normal. Highest temperature 102°, lowest 60°. Departures from normal ranged +4 to +9°. Most rainfall 4.90 in., least zero. Soil moisture short. Fieldwork possible 7.0 days. Soybeans poor condition; blooming 90%, pod setting 73%. Rice fair condition; 94% heading, 8% harvested, 5% 1979, 7% average. Cotton poor condition; open bolls 55%, 7% 1979, 17% average. Corn poor condition; most of acreage cut for silage instead of grain, 54% harvested, 22% 1979, 30% average. Sorghum 56% harvested, 10% 1979, 26% average. Cattle fair condition. Critically low water supplies many areas. Supplemental feeding necessary. Pastures supplying below average feed requirements.

CALIFORNIA: Temperatures averaged close to normal. Absence of weather systems precluded precipitation except for occasional drizzles on the coast.

Crops progress well. Rice behind normal, 70% headed, 20% turning color; 97% and 35% last year. Early fields drained in preparation for harvest. Cotton 17% open; 20% last year. Some corn ready for harvest; some cut for silage. Sugarbeets started harvest in Central Valley. Safflower and alfalfa hay harvest continues. Early dry beans ready for harvest, later beans treated for insects. Table grapes winding down. Wine grapes making good growth. Nectarine harvest increasing; Flamekist. Late and extra late Cling peaches much heavier than expected. Large inventory looms. Freestone peach harvest winding down, O'Henry almost done. Casselman plums winding down. Prunes continue; looking good. Navel oranges looking good. Southern cool weather maintaining holding quality of Valencia oranges, grapefruit and lemons. Almond harvest continues. Artichoke, snap beans, cantaloupe, carrot, cauliflower, mixed melons, bell peppers, watermelon harvests remain active. Broccoli increasing slightly Salinas, same Santa Maria. Celery planting active South Coast; supplies, abandonment heavy Central Coast. Lettuce increasing Salinas, same Santa Maria. Honeydew supply increasing. Bell peppers good quality Oceano. Strawberries light. Market tomatoes to decrease South Coast, full production October. Processing tomatoes two-thirds complete, doing well. Movement livestock from summer ranges underway. Fire hazard high most areas. Milk, egg production normal.

COLORADO: Rainfall near the Colorado-Kansas border up to 0.50 in. Isolated showers in mountains, San Luis Valley. Temperatures 2° above normal in most locations; below San Luis Valley.

Winter wheat seeded 13%, 13% 1979, 39% average; emerged 2%, 0% 1979, 13% average. Barley harvested 84%, 81% 1979, 85% average. Spring wheat harvested 69%, 64% 1979. Corn dough 84%, 80% 1979, 79% average; dented 56%, 54% 1979, 65% average; mature 11%, 0% 1979, 13% average; silage harvested 5%, 11% 1979, 17% average. Sorghum turned color 48%, 45% 1979, 55% average; ripe 2%, 19% 1979, 10% average. Dry beans cut 28%, 24% 1979, 37% average; threshed 12%, 8% 1979, 16% average. Onions harvested 12%, 20% 1979. Six days suitable for fieldwork. Ranges and pastures fair condition. Livestock good condition.

FLORIDA: Showers and thunderstorms through 3d. On the 4th, thunderstorms became widely scattered. Rainfall averaged mostly 1.00 to 3.00 in. Low temperatures mainly in the 70's. Highs mainly in upper 80's to low 90's.

Soil moisture short Panhandle, adequate north, central; excessive south and some Gulf Coast areas. Corn harvest winding down. Peanut harvest increasing, and hay cutting continues active except in wet areas. Soybeans fair condition, very little improvement from recent showers. Sugarcane good to excellent condition. Panhandle pastures poor to fair, mostly good elsewhere. Cattle, good condition, except fair in Panhandle. Citrus trees improved, little irrigation. Some new foliage but not on trees of all ages. New crop fruit not ready for 1980-81 harvest start. Mostly cloudy in vegetable growing

areas with numerous showers. Land preparation continues very active for fall planting. Eggplant, pepper, tomato, celery transplanting gaining. Seeding snap beans, sweet corn, cucumbers, squash, okra making good progress. Cabbage in seedbeds progressing favorably. Transplanting expected to get underway about mid-month. General crop condition fair to good, improving. Fieldwork very active, weather permitting.

GEORGIA: Temperatures 2 to 5° above normal. Near normal extreme southeast. Rainfall less than 0.25 in., except high spots more than 1.00 in.

Soil moisture mostly very short to short. Six days suitable for fieldwork. Scattered rain; crops and livestock still under stress. Armyworm infestation increasing. Corn mostly poor to fair: 70% harvested, 63% last year, 46% average, 97% mature, 99% dent. Soybeans poor to fair, 75% setting pods, 9% leaf drop. Peanuts poor to fair, 10% dug, 23% last year and 22% average, threshed 5%, last year 13% and 14% average. Cotton poor to fair, 64% open, 46% last year, harvested 3%, average 2%, last year none. Small grain planting, wheat 2%, 4% last year, 3% average; Rye none, 2% last year and average; other small grains 1%, 4% last year and average. Apples mostly fair to good, 61% picked, 79% last year. Pecans fair. Pasture and hay crops mostly poor to fair. Cattle and hogs fair to good.

HAWAII: Weather hot, humid. Some heavy isolated rains.

Spraying frequent to control diseases and insects. Vegetable supplies light to moderate. Eggplant continues to be heavy. Banana supplies increasing, but still light. Papaya harvesting increasing. Rains beneficial. Pineapple harvesting declining. Sugar harvesting steady all plantations. Pastures generally fair to good. Periodic rains beneficial.

IDAHO: Temperatures below normal, although warming trend end of week. Precipitation heaviest in northern Panhandle, most other stations trace or less.

Spring wheat harvested 74%, 72% 1979, 68% average. Spring barley harvested 72%, 78% 1979, 72% average. Winter wheat harvested 78%, 92% 1979, 81% average. Dry peas harvested 90%, 100% 1979, 91% average. Dry beans harvested 6%, 6% 1979, 7% average. Lentils harvested 55%, 97% 1979, 75% average. Potatoes harvested 2%, 2% 1979, 2% average. Cool weather holding back crops. Two nights of frost in eastern counties. Range grasses in good supply. Fieldwork: 6.0 days.

ILLINOIS: Temperatures 3 to 7° above normal. Precipitation 0.50 to 4.00 in., heaviest northern half.

Soil moisture 21% short, 67% adequate, 12% surplus. Corn condition 6% excellent, 25% good, 52% fair, 17% poor; 94% dented, 74% last year, average 85%; 60% mature, 25% last year, average 54%; 2% harvested, 0% 1979, 1% average. Soybean condition 6% excellent, 44% good, 45% fair, 5% poor; 43% turning yellow, 29% 1979, 51% average; 20% shedding leaves, 8% 1979, 21% average; 2% harvested, 0% 1979, 1% average. Winter wheat acreage 70% plowed, 63% 1979, 72% average. Alfalfa 8% excellent, 52% good, 36% fair, 4% poor; third crop cut 77%, 72% 1979, 76% average. Pastures 6% excellent, 46% good, 31% fair, 17% poor. Fieldwork: 4.0 days suitable.

INDIANA: Numerous scattered thundershowers. Temperatures 4° above normal. Range 47 to 96°. Rainfall 1.00 to 1.50 in. central and northwest, elsewhere 0.50 to 0.90 in.

Fieldwork averaged 5.0 days. Topsoil and subsoil moisture short to mostly adequate. Corn 80% dented, 1979 65%, average 70%. Corn 25% mature,

1979 10%, average 25%. Soybeans 100% setting pods, 1979 100%, average 97%. Soybeans 35% turning yellow, 1979 20%, average 45%. Soybeans 10% shedding leaves, 1979 5%, average 15%. Wheat land 35% plowed, 1979 25%, average 40%. Silos 25% filled, 1979 10%, average 25%. Tobacco 35% harvested, 1979 30%, average 20%.

IOWA: Unseasonably warm week with scattered showers varying from light west to heavy southeast. Temperatures averaged about 6° above normal with the hottest days at the weekend.

Fieldwork: 3.2 days favorable. Topsoil moisture: 2% short, 62% adequate, 36% surplus. Subsoil moisture: 9% short, 77% adequate, 14% surplus. Corn in or past dough stage: 98%, 1979 91%, normal 98%. Corn in or past dent stage: 80%, 1979 55%, normal 81%. Corn acreage mature: 25%, 1979 12%, normal 40%. Soybean leaves turning: 45%, 1979 32%, normal 58%. Soybean leaves shedding: 10%, 1979 0%, normal 19%. Soybeans mature: 5%, 1979 0%, normal 11%. Third crop alfalfa hay harvested: 75%, 1979 69%, normal 69%. Crop conditions improved, pasture condition fair to good. Grain movement heavy.

KANSAS: Warm, humid. Rainfall ranged 2.00 in. in the northeast to 0.80 in. in the northwest and little or none in the southwest. Temperatures averaged 75° northwest to 83° southeast and south central, 6 to 10° above normal.

Wheat planted 4%, 1979 5%, average 4%. Corn dough 99%, 95% year ago, 96% average; 80% dented, 65% previous year, 75% average; mature 45%, 1979 25%, average 40%; harvested 10%, last year 1%, average 5%. Sorghum headed 95%, last year same, 98% average; coloring 50%, same as average, 40% a year ago; 10% mature, 5% 1979, 10% average; harvest 4%, zero 1979, 3% average. Soybeans 10% shed leaves, 5% last year. Alfalfa 3d cut 90% done; 4th cut 20%, 35% last year, 25% average; new alfalfa plantings completed 40%, 45% year ago and average.

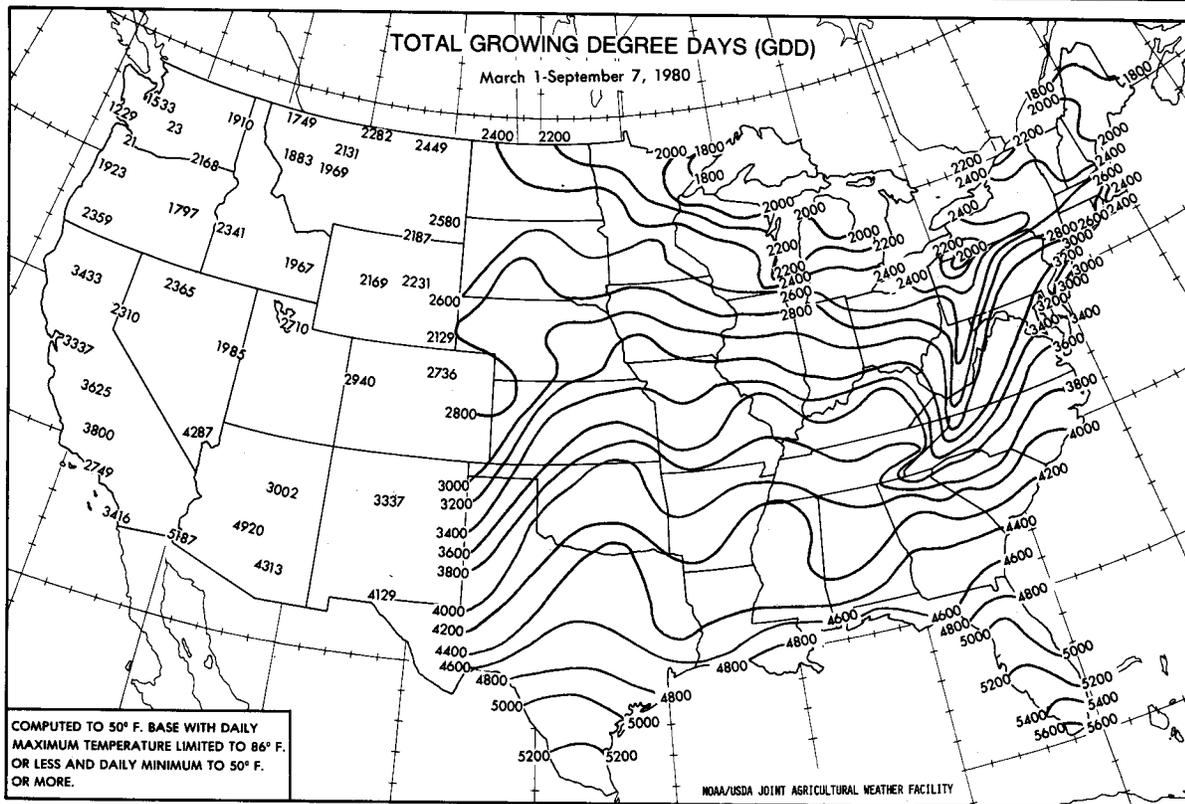
KENTUCKY: Temperatures averaged 10° above normal. Precipitation averaged 0.50 in.

Hot, dry weather continues to plague crops. Soil moisture 39% very short, 43% short, 18% adequate. Many corn and soybean fields in western and southeast very poor. Corn harvesting underway. Soybeans western areas showing severe weather stress. Plants generally small, pod development reduced. Burley tobacco 50% cut, behind normal. Dark tobacco 58% cut, normal. Pastures short, supplemental feeding some areas.

LOUISIANA: Rainfall moderate to heavy south; lighter elsewhere. Temperatures 1 to 6° above normal. Extremes: 65 and 102°.

Soil moisture very short to short. Fieldwork: 5.9 days suitable. Corn harvested 70%, 63% 1979, 58% average. Cotton poor to fair. Bolls open 38%, 8% 1979, 19% average. Light harvest continued. Rice fair, ripe 92%, 84% 1979, harvested 78%, 75% 1979 and average. Sorghum poor to fair, turning color 88%, 88% 1979, ripe 66%, 55% 1979, harvested 34%, 24% 1979. Soybeans poor to fair, set pods 89%, 95% last year, leaves turning 19%, 11% 1979, shedding 9%, light harvest underway. Sugarcane fair, planted 10%, 9% 1979. Vegetables poor. Sweetpotatoes poor to fair, harvested 37%, 30% 1979 and average. Pecans poor to fair. Pastures poor. Haying limited. Livestock fair. Some supplemental feeding.

MARYLAND & DELAWARE: Temperatures averaged 9° above normal. Highs low to mid 90's, lows upper 60's to low 70's. Precipitation widespread but light.



Corn for grain 10% harvested. Harvest for silage 50%, last year 30%. Soybeans 95% bloomed, 85% podded, last year 100% bloomed, 80% podded. Tobacco 65% harvested, last year 60%. Soil moisture short. Pastures below average. Fieldwork: 7.0 days suitable.

MICHIGAN: Temperatures 4 to 6° above normal Upper and northern Lower Peninsula, 3 to 4° above normal elsewhere. Precipitation heaviest over southwest and south central Lower, average 0.90 in. East Upper still dry 0.02 in., elsewhere average 0.50 in.

Good growing conditions for corn, soybeans and apples. Too humid and wet to harvest much hay or dry beans. Need dry fall for bumper yields in corn, soybeans and sugarbeets. Soil moisture generally adequate to surplus except in northern Lower. Corn 60% dented, 34% last year, 63% normal; 5% mature, 1% last year, 11% normal. Dry beans 65% shed leaves, 49% last year, 62% normal; 10% combined, 12% last year, 19% normal. Soybeans 30% yellow, 18 last year, 50 normal. Hay 3d cut, 25% cut, 34% last year and normal. Potatoes 25% dug, 21% last year, 24% normal. Most fruit and vegetable harvests in full swing.

MINNESOTA: Temperatures averaged 4 to 5° above normal. Extremes: 96 and 40°. Precipitation averaged near normal to 0.50 in. below normal in the western third and south central, near normal to 0.50 in. above normal in the other central districts, 1.00 to 2.00 in. or more above normal in the eastern part. Precipitation totals spotty, gradually increasing west to east. Some locally heavy accumulations. Extremes: Zero to 4.38 in.

Dry, warm weather needed for harvest, maturing. Fields very soft. Completion small grain harvest delayed. Third cutting hay begun, favorable prospects. Pastures in good condition. Plowing con-

tinues despite rain. Row crop development highly variable. Root and stem rot reported. Field corn: Denting 87%, 1979 24%, normal 73%; mature 13%, 1979 0%, normal 22%; silage cut 8%, 1979 0%, normal 20%. Soybeans: Turning yellow 61%, 1979 27%, normal 71% shedding leaves 15%, 1979 3%, normal 31%; mature 1%, 1979 0%, normal 6%. Seeded: Winter wheat 35%, 1979 23%, normal 31%; winter rye 36%, 1979 19%, normal 28%. Sweet corn for processing: Harvested 77% 1979 54%, normal 74%.

MISSISSIPPI: Temperatures 2 to 3° above normal. Rainfall spotty. Extremes: 61 and 101°.

Soil moisture very short to short. Fieldwork: 5.9 days suitable. Hot, dry conditions forcing cotton and soybeans to develop prematurely. Many small bolls opening early and pods slow in filling. Hay 83% harvested, 81% 1979, 78% average. Sorghum for silage 71% harvested, 68% 1979. Peanuts 26% harvested, 18% 1979, 29% average. Corn for silage 94% harvested, 88% 1979. Sweetpotatoes 17% harvested, 22% 1979, 25% average. Soybeans 90% podding, 96% 1979, 92% average; 27% turning, 22% 1979; 8% shedding, 6% 1979, 10% average; condition poor to fair. Corn 26% harvested, 18% 1979, 16% average; 93% mature, 82% average; condition poor. Cotton 78% open bolls, 19% 1979, 37% average; few fields harvested; condition fair to poor. Rice 95% headed, 95% 1979, 92% average; mature 46%, 40% average; harvested 14%, 11% 1979; condition fair to good. Sorghum 69% ripe, 52% average; 24% harvested, 20% 1979, 23% average. Pasture poor condition. Pecans poor to fair condition.

MISSOURI: General rains fell across the northern third. Scattered showers fell in the central portions and little or no rain received in the south. Temperatures averaged above normal.

Fieldwork: 4.6 days suitable. Corn 93% dented, last year 81%, normal 82%. Corn 40% mature, last year 22%, normal 37%. Corn 11% harvested, last year 2%, normal 7%. Grain sorghum 93% headed, normal 94%. Grain sorghum 35% mature, last year 30%, normal 34%. Soybeans 91% setting pods, last year 90%, normal 90%. Soybeans 15% turning color, last year 15%. Alfalfa hay third cutting 92% harvested, last year 82%, normal 81%. Cotton 71% with open bolls, last year 21%, normal 23%. Condition of cotton, soybeans, pasture, and grain sorghum poor to fair. Condition of corn poor. Topsoil moisture supplies short to adequate.

MONTANA: Very cool early week and hot by end of week. Temperatures averaged near normal in north-east and southeast, 3° above in south central and 2° below in west. Highest temperature 100°, lowest 25°. Precipitation light except over west. Rainy weather first 4 days brought 0.50 to 2.00 in. of rain to western division.

Moisture supplies short to adequate. Fieldwork: 5.0 days suitable. Winter wheat seeding 20% complete, 25% of cattle and 30% sheep moved from summer ranges. Crop harvesting percentage followed by previous year and average: Winter wheat 95%, 100% and 100%. Spring wheat 70%, 65%, and 70%. Barley 75%, 65%, and 65%. Oats 75%, 65%, and 70%. Corn silage 20%, 10%, and 15%. Dry beans 5%, 10%, and 20%. Second cutting alfalfa 80%, 80%, and 70%.

NEBRASKA: Temperatures 3 to 7° above normal. Precipitation: Scattered showers; greatest amount extreme southeast, over 2.00 in.

Dryland corn mostly fair to poor. Irrigated mostly good to fair. Dent or beyond 80%; 55% last year and 80% normal. Mature 15%, 5% last year, 25% normal. Soybeans mostly good to fair. Coloring 35%, 35% last year and 50% normal. Shedding leaves 10%, 5% last year and 10% normal. Sorghum good to fair. Turning 80%, 60% last year and 75% normal. Mature 15%, 1% last year and 10% normal. Chinch bugs causing damage in many southeastern counties. Winter wheat 15% seeded, equal to last year and 10% normal. Moisture supplies mostly adequate for germination. Topsoil moisture short to adequate. Subsoil moisture mostly short to adequate. Pasture and range feed supplies mostly short to adequate. Days suitable 6.4.

NEVADA: Cool north early, series of scattered thunderstorms. Some reports hail, strong gusty winds. Temperatures averaged near normal to slightly below. Extremes: 28 and 102°.

Alfalfa hay harvesting ranged from third cuttings north to fifth cuttings extreme south. Due to excellent grazing, limited movement cattle to date.

NEW ENGLAND: Above normal temperatures. Rain early week and scattered showers on the 5th. Precipitation total 0.90 in. to 1.30 in. north, 0.20 in. to 0.60 in. south.

Fieldwork: 4 to 6 days suitable. Vegetables still in good supply. Major apple harvest to begin next week. Fair crop indicated. Blueberry harvest complete in Maine. Potatoes sizing well in northern Maine. Some varieties appear to be later than normal. Growers preparing for harvest. Oats harvest continuing. Hay reported to be in good supply but quality is lower than average. Farmers harvesting corn south. Soil moisture and grazing conditions generally adequate north and short to very short south.

NEW JERSEY: Temperatures averaged 3 to 6° above normal. Extremes: 44 and 100°. Rainfall averaged 0.32 in. north, 0.09 in. central, 0.19 in. south. Soil moisture, in percent of field capacity, averaged: 36 north, 28 central and 23 south.

Cool temperatures beneficial but a good soaking rain needed. Harvest of summer vegetables continues in light and declining volume. Fall crops developing well under irrigation. Sweetpotato harvest continues light. Irish potato digging continues active. Peach volume continues good for late varieties. Fall apple harvest increasing. Cranberry harvest to begin next week. Field corn and soybeans affected by dry weather in varying degrees. Corn silage making active.

NEW MEXICO: Soil moisture varies from adequate to very short. Dryland crops continue poor condition. Irrigated crops fair to good. Cotton good condition with approximately 8% of bolls open, slightly behind normal but well ahead of last year. Alfalfa fair to good condition with fifth cutting about 30% complete in south. Fourth cutting approximately 95% complete in south and just beginning toward north. Irrigated grain sorghum fair to good condition, about 75% in dough stage. Approximately 45% of irrigated crop and 10% of dryland crop of winter wheat seeded. Corn fair to good condition most areas with some poorer acreage being cut for silage. Ranges in poor to fair condition, most areas still need rain. Livestock fair to good condition.

NEW YORK: Scattered storms, but rain totals below normal. Temperatures averaged 4 to 9° above normal.

Many areas dry. Corn condition variable, prospects reduced in driest areas. Oats 90% done, 93% 1979, 96% average. Second cutting alfalfa 91% in, usually about done. Third cutting 39% in, 37% 1979, 45% average. Dry bean, silage corn harvests started. Harvesting of potatoes, early onions, lettuce, celery active. Peach harvest past peak, apple harvest increasing.

NORTH CAROLINA: Temperatures 60 to 100°. Precipitation zero to 3.60 in.

Fieldwork: 5.9 days suitable. Soil moisture: 28% very short, 57% short, 15% adequate. Conditions: All declining; apples fair to good; field tobacco, corn, cotton, sweetpotatoes, sorghum fair; peanuts, soybeans poor to mostly fair; pastures, hay poor to fair. Harvested: Sweetpotatoes 11%, 1979 10%, average 12%; flue-cured tobacco 81%, average 87%; burley tobacco 41%, 1979 52%, average 34%; corn for grain 32%, 1979 20%, average 24%; corn silage 62%; apples 20%, 1979 30%, average 29%; hay 77%, average 82%. Phenological stages: Cotton opened bolls 63%, 1979 16%; corn dent 96%, 1979 92%; corn mature 84%, 1979 82%; soybeans bloomed 93%, 1979 78%; soybeans pod set 71%, 1979 61%.

NORTH DAKOTA: Light showers 1st through 4th. Dry high pressure spread over the area on 5th and humidity dropped rapidly. Drying conditions improved further on the 6th and 7th. Temperature extremes: 103 and 38°.

Harvest made excellent progress. Combining percents current, previous year and average: Hard red spring wheat 74, 55, 75; durum 57, 38, 59; barley 79, 79, 88; oats 83, 73, 86 and flax 27, 13, 31. Row crops pushed ahead with warm weather and continue in mostly good condition. Sunflower: 32% in bloom or earlier, 34% ray petals dried or dropped, 26% bracts or heads turned yellow and 8% with bracts or heads turned brown. Soybean harvest started: 5% dry edible beans combined. Potatoes: 35% vines killed with additional 9% dug. Late forage crops being cut for hay; corn chopping started, some early calf weaning.

OHIO: Warm, humid weather continued. Temperatures ranged from 92 to 48°. Average was 3° warmer than normal in the north and 6° warmer than normal in the south.

Maturity of row crops advanced to normal because of rapid accumulations of growing degree days. Mexican bean beetles continue to defoliate soybeans in many fields in southwest. Corn silage progress slowed in the northwest by wet conditions. Corn, dented or beyond 85%, 75% 1979, 90% average. Corn, mature 25%, 20% 1979, 25% average. Soybeans, leaves turning 25%, 25% 1979, 35% average. Corn silage harvested 20%, 10% 1979, 20% average. Potatoes harvested 35%, 30% 1979, 35% average. Tobacco cut 45%, 40% 1979, 40% average. Days favorable 5.5. Pasture condition good. Soil moisture adequate to surplus.

OKLAHOMA: Temperatures averaged above normal in all sections of the State, ranging from 5° above in Panhandle and southwest division to 8° above in northeast division. Temperatures were slightly cooler than the previous week with a few 100° readings occurring in the southern portion of the State. All divisions reported precipitation during week, ranging from 0.02 in the west central to 1.56 in the northeast division. Above normal temperatures, dry weather prevailed.

Scattered showers statewide, insufficient relief, drought stress. Topsoil moisture supplies short 80%; subsoil moisture supplies short 90%. Wheat seedbed prepared 55%, 70% 1979, 60% average. Wheat planted 5%, 5% 1979 and average. Sorghum headed 95%, 100% 1979 and average. Sorghum milk to dough 75%, 65% 1979, 85% average. Sorghum mature 25%, 20% 1979, 35% average. Sorghum harvested 5%, 5% 1979 and average. Cotton setting bolls 90%, 100% 1979 and average. Cotton open bolls 20%, 5% 1979 and average. Fieldwork: 6.3 days suitable.

OREGON: Temperatures near normal in west, below normal in central and eastern sections. Precipitation widespread, ranging from 0.30 in. to 0.60 in. except in south central and southeastern areas, less than 0.10 in.

Soil moisture supplies adequate in central, short in western and eastern sections. Winter wheat harvest 97% completed, 96% 1979. Early fall seeding underway. Peppermint harvest closing down. Hops harvest progressing well. Seed crops being planted. Alfalfa seed harvest beginning. Bartlett pear harvest active. Golden Delicious apple harvest in one week. Peach harvest progressing normally. Prune harvest started. Filberts one week behind, starting to drop. Potato harvest coming on strong. Sweet corn, broccoli and snap bean harvest continuing. Livestock condition good. Range and pastures condition fair to good.

PENNSYLVANIA: Temperatures 3 to 8° above normal. Extremes 99 and 40°. Rainfall from scattered showers and thunderstorms totaled from less than 0.10 in. extreme southeast to 2.50 in. extreme northwest. Elsewhere, mostly 0.25 to 0.75 in.

Six days suitable. Soil moisture short to adequate. Activities: baling hay and straw; clipping pasture; plowing; spraying potatoes; harvesting tobacco, tomatoes, potatoes and ensilage corn; filling silos and general farm chores. Tobacco harvest 54%, last year 70%. Potato harvest 41% complete, last year 43%. Ensilage corn 16%, last year 9%. Corn 47% in dent and mature 6%; last year 48% in dough, 38% in dent, and 2% mature; average 46% in dough, 43% in dent, and 5% mature. Fall plowing 36%; last year 43%. Alfalfa second cutting virtually complete; last year 92%. Third cutting alfalfa 64%; last year 53%. Fourth cutting alfalfa 11%; last year 6%. Second cutting clo-tim 93%; last year 80%. Hay quality fair to good. Feed from pasture below average to average.

PUERTO RICO: Island average rainfall 1.66 in. or 0.16 in. below normal. Temperature averaged about 82° on coasts and 77 to 79° interior divisions. Extremes: 95 and 59°.

SOUTH CAROLINA: Temperatures above normal. Highest temperature: 97°. Widely scattered thundershowers not much help to crops.

Drought reducing yield prospects. Corn poor condition; silage, grain harvested 57%, 57% last year, 50% average. Cotton condition poor, some bolls opening prematurely, 77%, 69% year ago, 49% average; few growers defoliating early, 2% harvested also early. Soybean condition poor to fair, shedding blooms, pods, leaves due to drought; 87% trying to set or fill pods, 95% year ago, 89% average, leaves turning 16%, 3% last year, 11% average. Tobacco 93% harvested, virtually complete last year, average. Apples poor to fair condition, small size; 30% harvested, 63% last year, 60% average. Much fall hay a loss, 44% harvested, 54% last year, 48% average. Pasture conditions very poor to poor; dairy and cattle producers giving winter feed, foraging soybean fields. Winter grazing 5% planted where soil moisture suitable, 11% last year. Fall vegetables virtually planted; fall snap beans 12% harvested ahead of 2% last year.

SOUTH DAKOTA: Warm days and cool nights counteracted to give normal to 3° above normal average temperatures. Extremes: 100 and 28°. Rainfall light and scattered.

Crop and pasture conditions changed very little. Row crops started to ripen but frost must hold off for another 2 or 3 weeks to avoid damage. Topsoil moisture adequate north central, northeast, east central, parts of southeast and south central, critically short central West River counties. Short elsewhere. Some of the winter wheat that had adequate moisture has already emerged. Livestock generally fair to good condition. Stock water supplies short in western two-thirds, quality poor in many West River counties. Soybeans shedding leaves 34%, 15% 1979, 30% average. Soybeans mature 6%. Flax harvested 82%, 50% 1979, 84% average. Corn in dough stage 90%, 74% 1979, 93% average. Corn in dent stage 65%, 41% 1979, 70% average. Corn mature 17%, 16% 1979, 28% average. Grain sorghum headed 98%. Grain sorghum coloring 54%, 55% 1979, 61% average. Winter wheat seeded 22%, 14% 1979, 20% average. Rye seeded 27%, 16% 1979, 22% average.

TENNESSEE: Scattered showers each afternoon. Temperatures ranged 4 to 10° above normal. Highs in 90's, lows in 60's and 70's.

Fieldwork: 5.7 days suitable. Activities: harvesting corn, tobacco; fall plowing; seeding of small grains. Soil moisture short. Corn 100% dented, 1979 100%, average 94%. Corn 62% mature, 1979 28%, average 42%. Corn 10% harvested, 1979 4%, average 5%. Cotton 40% open bolls, 1979 3%, average 12%. Harvest beginning scattered areas. Burley tobacco 55% harvested, 1979 65%, average 60%. Dark-fired tobacco 60% harvested, 1979 52%, average 53%. Air-cured tobacco 50% harvested, 1979 59%, average 55%. Pastures poor, cattle good. Lespedeza hay 65% harvested, 1979 and average 60%.

TEXAS: Weather: Moist unstable air scattered thunderstorms over coastal areas, southwest first part week. By mid-week surface low moved into northwestern Gulf of Mexico area. Upgraded tropical storm Danielle moved into Upper Gulf Coast. Heavy rain parts of south and central. Temperatures 3 to 6° above normal north central and east; near normal elsewhere. Rainfall 2.00 to 3.00 in. above normal south central and southeast; 0.33 to 0.50 in. below normal southwest and southern tip of State; near

normal elsewhere. Rainfall averaged 0.50 in. or less extreme west; 1.00 in. or more southern tip of State.

Commercial vegetables: In Lower Rio Grande Valley, planting of cabbage, lettuce, eggplant, cauliflower, broccoli, cucumbers, tomatoes active. Early planted vegetables making good progress and later planted vegetables up to stand. Citrus fruits continue to size well. Insects under control. In Coastal Bend area, fall cucumbers making good growth. Some plantings of fall vegetables continued. In San Antonio-Winter Garden area, planting fall vegetables tapered off. Most vegetables making good growth. Some preparation continued for fall spinach. In east, harvest remaining peas, okra, watermelons continued. Sweetpotatoes neared maturity. On High Plains, harvest of peppers, cucumbers, carrots, cabbage, tomatoes active. Remaining fields of potatoes continue to be dug. Some lettuce planted. In Trans-Pecos, light supplies chili peppers, tomatoes, squash, onions, cantaloups available. Limited supplies of peaches began to taper off. Pecans in dough stage most areas.

Range and livestock: Some relief from drought occurred over weekend as general rains spread over much of southern half and parts north. Rains provided some run-off for stock ponds, stimulus for late summer and fall forage growth. Supplemental feeding continued to maintain livestock in fair to good condition. Additional moisture needed most areas.

Crops: Moisture too late to benefit most field crops. Rain provided needed moisture for wheat, oat planting Central and North. Should help pastures and ranges green up for fall grazing. Cotton defoliation begun scattered areas Panhandle, where bolls opening early in drought-stressed fields. Low Plains, Cross-Timbers, field maturing rapidly; many fields plowed under because small boll size. Harvest Central, Blacklands interrupted by widespread showers; resume as fields dry. Stalk destruction, plow-up underway harvested fields Central, Lower Valley. Ginning active Valley. Producers concerned about seed quality in wet modules. Sorghum harvest Cross-Timbers. Low Plains interrupted. Fields matured rapidly hot, dry weather; harvest gain momentum conditions permit. Some fields High, Low Plains grazed or baled because poor grain development. Greenbug damage Panhandle. Corn harvest ahead last year; poor ear, kernel development dryland fields. Farmers Panhandle terminated irrigation in preparation for harvest. Silage cutting gained momentum Northern High Plains. South central cattle being turned onto stubble for grazing. Hay prospects improved Central, eastern portions with Danielle's rains. Alfalfa hay being cut Trans-Pecos. Prospects second rice cutting improved with added moisture, humidity from Tropical Storm Danielle. Dryland peanuts poor condition Cross-Timbers; insect damage heavy scattered areas. Wheat planting underway; prospects Central, North improve with recent moisture. Producers in Blacklands have dry seeded fields, waiting for rain. Dry weather slowed land preparation Plains; some fields dusted in. Cotton harvested 16%, 9% 1979, 12% average. Sorghum harvested for grain 71%, 63% 1979, 62% average. Wheat planted all purposes 11%, 11% 1979, 10% average. Corn for grain harvested 49%, 34% 1979, 32% average. Peanuts harvested 10%, 22% 1979, 18% average.

UTAH: Fair and mild first portion of period but scattered afternoon and evening showers and thunderstorms weekend. Accumulated amounts moisture generally light to moderate. Average temperatures ranged from 1° above normal to 6° below.

Fieldwork: 7.0 days suitable. Major activities: Hay harvest, final clean-up

of small grain harvest and winter wheat planting. About 25% of winter wheat seeded. Conditions dry. Corn crop 60% in dough stage. A long, frost free fall needed to assure maturity. Some frost has been reported above 5000 feet. Cattle death losses from poisonous plants on increase. Some livestock movement from summer to fall ranges. Recent light rains improved feed prospects somewhat, but ranges mostly dry. Peach, pear harvest active. Onion harvest begun.

VIRGINIA: Hot, humid. Average temperature in the upper 70's, somewhat above normal. Extremes: 101 and 50°. Rainfall light, spotty averaging less than 0.25 in., occurring as widely scattered showers, thundershowers. Most precipitation, southwest.

Scattered showers in east, southern Piedmont aided late maturing soybeans, but too late for peanut runner crop. Topsoil moisture mostly short. Fieldwork: 5.8 days available. Corn: 90% dented; 65% mature; silage 35% cut; grain 15% combined, 6% 1979, 16% average. Wheat less than 1% seeded, nearly 1% 1979, over one-half of 1% usual. Barley 1% planted, less than 1% 1979, 2% average. Winter oats 1% seeded, 1% 1979, 3% usual. Tobacco harvested: Flue-cured 60%, 65% 1979, 66% average; fire-cured 60%, 66% 1979, 62% usual; burley 50%, 42% 1979, 52% average; sun-cured 70%, 55% 1979, 59% usual. Apples 15% picked, 12% 1979, 17% average. Pastures good to excellent southwest, very poor to fair elsewhere. Peanuts, corn, soybeans poor. Tobacco fair, high temperatures reducing quality. Non-irrigated sweetpotatoes, snap beans, cucumbers poor on Eastern Shore.

WASHINGTON: West: Temperatures 1 to 5° below normal. Precipitation much above normal. Harvesting sweet corn, carrots, lettuce, spinach, cauliflower, cucumbers. Planting vegetable seed crops. Pastures greening, irrigating, fertilizing. Some hay, silage put up.

East: Temperatures 3 to 7° below normal. Precipitation above normal most areas. Bartlett picking over, D'Anjou starting. Peaches, prunes tapering off. Picking Golden Delicious apples. Red Delicious coloring well. Harvesting hops, silage corn, dry beans. Digging potatoes, onions, carrots. More third cutting alfalfa. Grain harvest active between rains. Winter wheat about 90% harvested. Seeding 1981 winter wheat limited, but with good soil moisture. Harvesting dry beans, dry peas about done. Some hay, forage shortages.

WEST VIRGINIA: Temperature well above normal. Extremes: 98 and 51°. Precipitation above normal in northwest and north central, normal in central, below normal in southwest, southern and southeast.

Soil moisture adequate. Major activities haying, gardening, pasture clipping. Days suitable for fieldwork: 4.3. Oats good to fair, 95% harvested, 93% of normal. Corn good to fair, 4% pre-silked, 29% silked, 67% dough stage. Hay good to fair, 2d cutting 75% completed, 81% of normal. Tobacco fair, 89% topped, 52% harvested, 81% of normal. Potatoes fair to good, 59% harvested, 81% of normal. Pasture good to fair.

WISCONSIN: Temperatures near normal. Highs in 70's and 80's, lows 40's and 50's. Extremes: 89 and 43°. Rainfall continued above normal. Rainfall ranged from 0.60 in. east to nearly 4.00 in. northwest.

Harvesting slowed by rains and wet fields as only 2.0 days suitable for fieldwork. Oats 90% combined. 1979 85%, normal 98%. Some remaining acreage may be abandoned due to poor field conditions. Third crop hay 20% harvest, 1979 20%, normal 20%. Very

(continued on backcover)

International Weather and Crop Summary

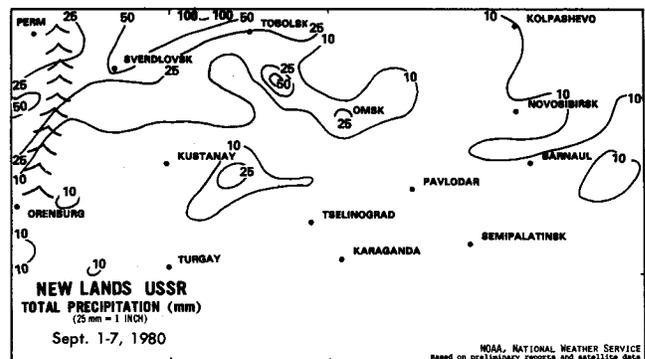
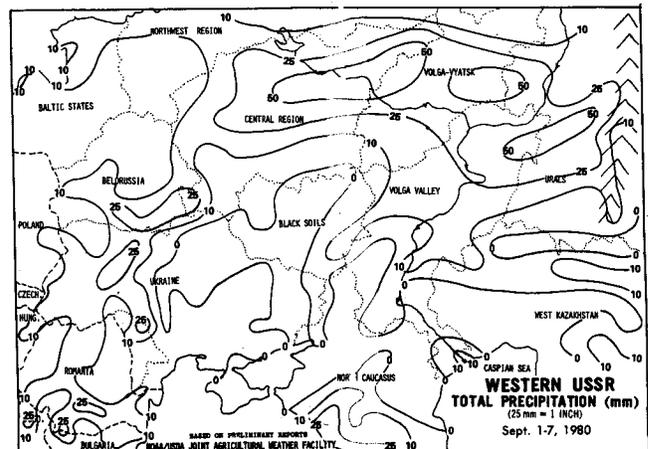
September 1 - 7

HIGHLIGHTS:

- USSR:** Harvesting winter grains in the north...continued rain in many areas. Harvesting spring grains in the New Lands...continued wet in the north.
 - EUROPE:** Small grain harvest nearly complete*...generally favorable conditions.
 - CHINA:** Major harvest season beginning in central areas*...continued too wet in many areas.
 - INDIA:** Autumn rice harvest near in the north*...seasonal rainfall. Cotton flowering in central areas*...relatively dry in west.
 - THAILAND:** Wet season crop in vegetative stage*...monsoon rains continue.
 - AUSTRALIA:** Winter grains in vegetative stage*...no rain again.
 - ARGENTINA:** Winter grains beginning early growth*...dry weather continues.
 - BRAZIL:** Winter grains in early vegetative stage*...favorable moisture conditions.
 - CANADA:** Harvesting cereal crops...too wet in the east, generally favorable elsewhere.
 - MEXICO:** Citrus fruit sizing...soils becoming dry in the northeast, adequate moisture elsewhere.
- *Based on normal crop calendar information.

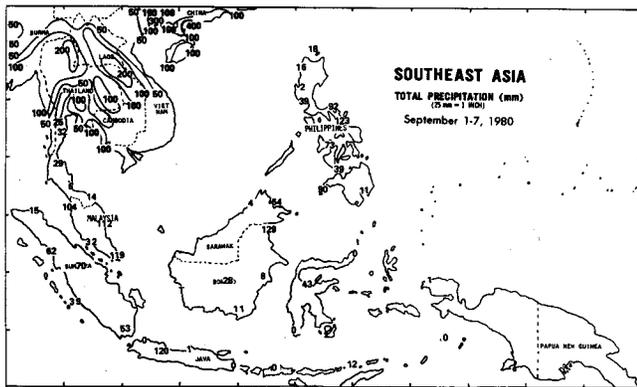
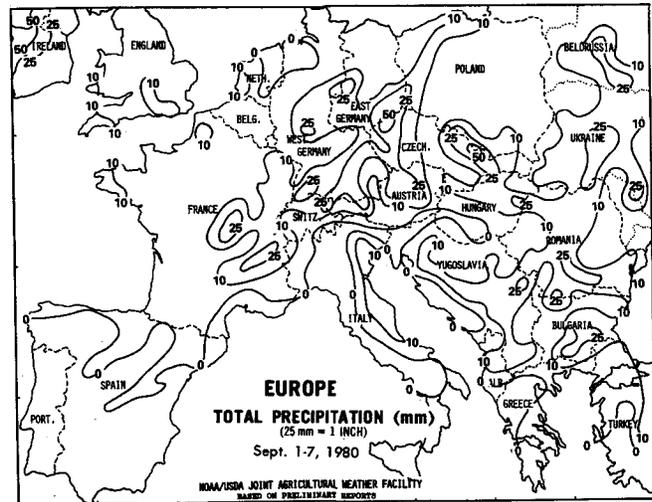
USSR. Wet weather persisted in western portions of the winter grain belt. Harvest centered in Belorussia was again interrupted along its southern edge. A front moving across the north dumped much-above-normal rainfall on harvest areas in northeastern European USSR, and some light frost occurred at midweek. Impacts of harvest delays may not be so serious, however, for very little winter grain is grown there. As the prime season for sowing winter grains in the North Caucasus approaches, some parts of the area might be getting a little too dry for successful germination. Rains this week did not extend very far north of the Caucasus Mountains.

In the New Lands, favorable harvest weather persisted across the south. Rainfall slackened somewhat in the north, and although totals remained somewhat above normal, the spring grain harvest was not seriously hindered.



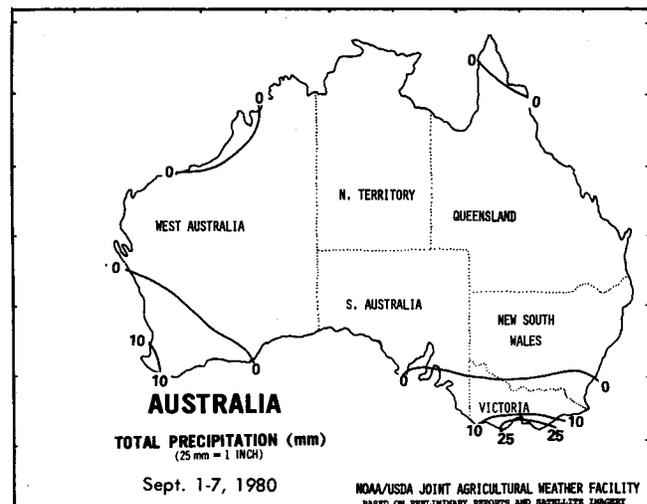
NOAA, NATIONAL WEATHER SERVICE
Based on preliminary reports and satellite data

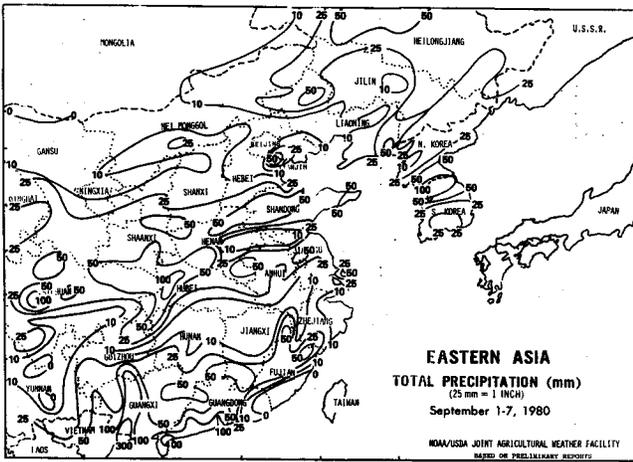
EUROPE. Generally fair weather moved into the region during the week. Wet weather in some areas from the previous week tapered off, leaving favorable conditions for late harvesting of small grains across the north. On the other hand, adequate soil moisture should remain for planting of winter grains in the coming weeks. Moderate rainfall in parts of the southeast may have hindered harvesting, but the moisture will be beneficial for winter grains soon to be sown.



Southeast Asia. Abundant rain fell throughout much of Thailand this week. Weekly totals ranged above-normal except for the western region and the southern peninsula where below-normal amounts fell. Rice is in its vegetative phase of development and should be progressing well with favorable weather conditions. Reservoirs in the northern hills should have benefited from heavy showers.

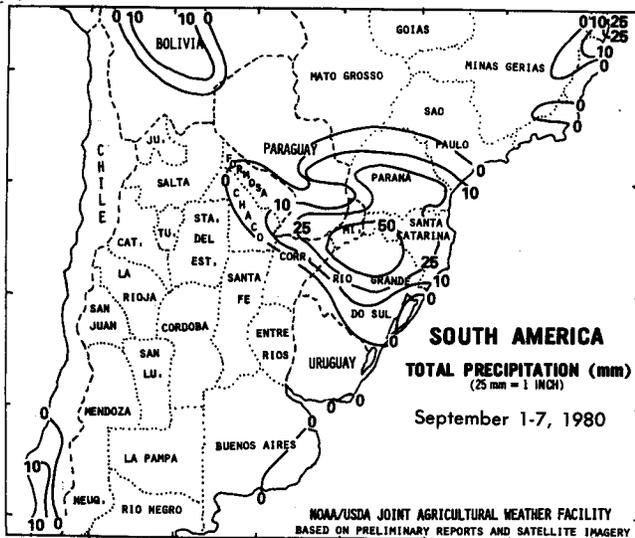
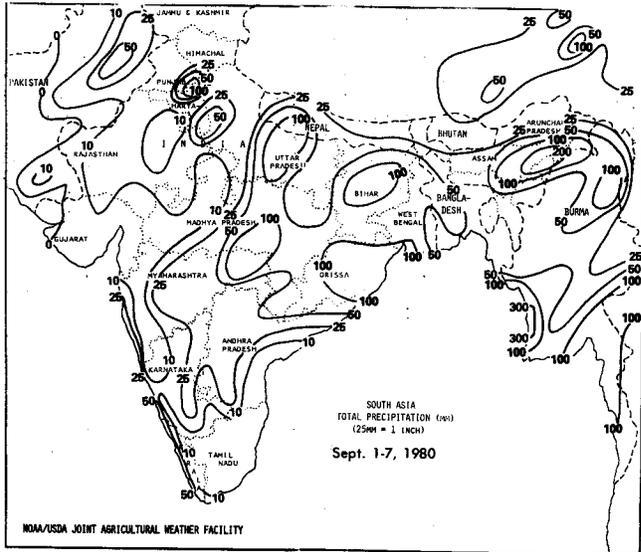
AUSTRALIA. The wheat areas remained dry again this week. Soil moisture reserves are being depleted due to lack of sufficient moisture in key growing areas of West Australia, New South Wales, and Queensland. Timely rains are needed in these areas to carry the wheat crop through the vegetative phase. Increasing stress from lack of moisture has caused some crop deterioration, especially in Queensland and northern New South Wales. In Queensland, the crop is severely stressed.



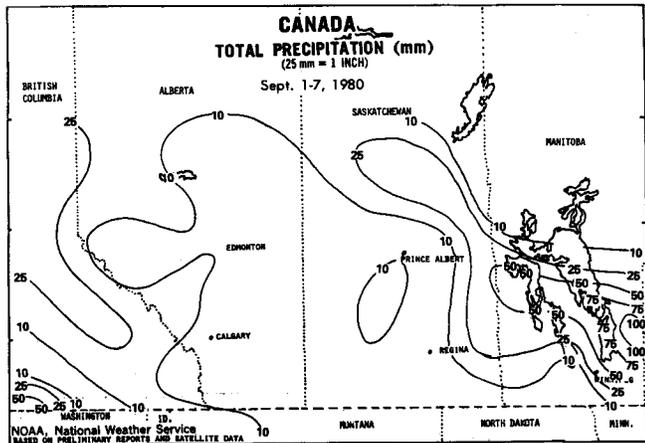


CHINA. Above-normal rainfall continued in a broad band just to the north of the Yangtze River, prolonging the problems due to excessive water. Areas just south of the river dried out after the previous week's heavy rains. Rainfall in the hills to the south remained above normal, and coastal areas of Guangdong and Guangxi were drenched with persistent heavy rains which dropped more than 100 mm for the week. To the north, above-normal rainfall in Shandong may have interfered with harvesting of crops, but the moisture boosted winter grain sowing prospects. Much of Hebei turned drier again, however, and the outlook for sowing remains marginal.

SOUTH ASIA. Monsoon activity produced near-normal weekly rainfall totals of 50 to 100 mm in much of India's northern region where autumn rice is approaching maturity. By early September, the summer monsoon usually begins its retreat from Pakistan. Most of Pakistan remained dry this week, but heavy showers produced 50 to 100 mm totals in the vicinity of Punjab. The major cotton-producing areas of Gujarat and western Madhya Pradesh generally received less than 10 mm. Rainfall in this area has been light for the past few weeks, and the cotton crop has begun to flower. Dry weather also prevailed in Tamil Nadu.

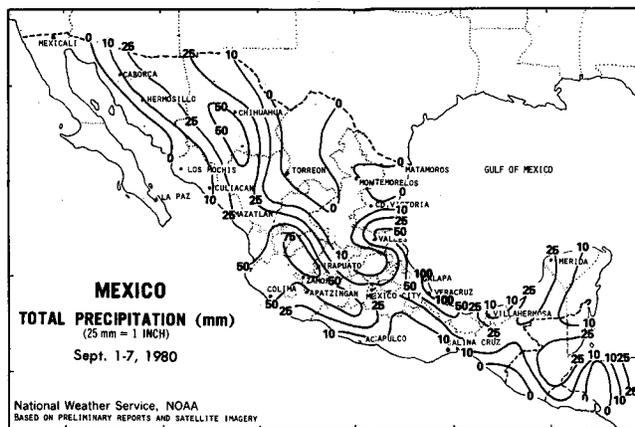


SOUTH AMERICA. Dry weather continued in the wheat-producing area of Buenos Aires Province, Argentina. Although moisture reserves are adequate for initial spring growth, timely rains will be needed as the crop begins active development within the next few weeks. Weekly rainfall neared the seasonal average in the wheat areas of Rio Grande do Sul through southern Parana in Brazil. Further north, dry weather provided favorable harvest conditions for citrus in Sao Paulo.



CANADA. A nearly stationary low pressure system brought showers to the wheat area of eastern Saskatchewan and Manitoba. The wet weather delayed harvest in the region. By week's end, the cold front moved out of the Canadian Prairies, and drier weather aided the resumption of grain harvest in the east. Elsewhere, only light showers occurred. A warming trend began toward the end of the week. Warm, dry weather is needed to facilitate the progress of the grain harvest.

MEXICO. Seasonal rains in the northwestern watersheds kept prospects bright for fall and winter vegetable production along the west coast. However, some northeastern citrus districts became drier, and fruit in the sizing stage could be smaller than usual. Further south, heavy rains benefited orchards. Heavy rains for the past 3 weeks probably hurt open cotton at Chihuahua, while mostly sunny weather allowed harvest to continue at Hermosillo and Torreon. The Southern Plateau's corn region received 25 to 75 mm of rain which generally favored the crop, but a few lowland fields may be flood damaged.



(continued from page 2)

southeastern Texas. Amounts of 6 to 10 inches soaked some areas surrounding Austin and San Antonio. Several rivers flowed out of their banks, resulting in considerable lowland flooding. Showers spread throughout the Plateau and the Sierras, and very light, isolated

sprinkles fell in central California. Thunderstorms persisted in northern Illinois, Indiana, and southern Wisconsin. Record warm temperatures baked the Southeast and the northern Plains.

(continued from page 3)

Florida growers seeded snap beans, sweet corn, cucumbers, squash, and okra and transplanted eggplant, peppers, tomatoes, and celery. Crop conditions ranged fair to good.

California harvesting moved actively as planting of fall vegetables gained momentum.

In Texas, planting continued in most areas. Earlier planted vegetables made good growth and later planted vegetables were up to a stand. Some harvesting remained in the east.

PASTURES AND RANGES: Pastures and ranges showed fair to good condition in the north central and north Atlantic States, but rated poor to fair in the south Atlantic and western States and poor in the south central States. Supplemental feeding was necessary in many areas. Livestock continued to be moved from summer pastures and ranges.

CROP PROGRESS

CROP PROGRESS
FOR WEEK ENDING SEPT. 7, 1980

	CORN % DENT		
	1980	1979	AVG.
COLO	56	54	65
GA	99	NA	NA
ILL	94	74	85
IND	80	65	70
IOWA	80	55	81
KANS	80	65	75
KY	87	80	85
MICH	60	34	63
MINN	87	24	73
MO	93	81	82
NEBR	80	55	80
N C	96	92	NA
OHIO	85	75	90
PA	47	38	43
S DAK	65	41	70
VA	90	NA	NA
WIS	65	35	55
17 STATES	81	NA	NA
EXCL. STATES WITH NA	80	55	76

THESE 17 STATES PRODUCED 93%
OF THE 1979 CORN CROP.

	CORN % MATURE		
	1980	1979	AVG.
COLO	11	0	13
GA	97	NA	NA
ILL	60	25	54
IND	25	10	25
IOWA	25	12	40
KANS	45	25	40
KY	40	34	35
MICH	5	1	11
MINN	13	0	22
MO	40	22	37
NEBR	15	5	25
N C	84	82	NA
OHIO	25	20	25
PA	6	2	5
S DAK	17	16	28
VA	65	NA	NA
WIS	20	5	15
17 STATES	31	NA	NA
EXCL. STATES WITH NA	27	12	32

THESE 17 STATES PRODUCED 93%
OF THE 1979 CORN CROP.

	CORN % HARVESTED		
	1980	1979	AVG.
COLO	0	0	0
GA	70	63	46
ILL	2	0	1
IND	1	0	1
IOWA	0	0	0
KANS	10	1	5
KY	4	1	1
MICH	0	0	0
MINN	0	0	0
MO	11	2	7
NEBR	0	0	0
N C	32	20	24
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
VA	15	6	16
WIS	0	0	0
17 STATES	4	2	2

THESE 17 STATES PRODUCED 93%
OF THE 1979 CORN CROP.

	SOYBEAN % SETTING PODS		
	1980	1979	AVG.
ALA	95	95	NA
ARK	73	NA	NA
GA	75	NA	NA
ILL	100	100	100
IND	100	100	97
IOWA	100	100	100
KANS	97	NA	NA
KY	95	95	95
LA	89	95	NA
MICH	100	100	99
MINN	99	99	99
MISS	90	96	92
MO	91	90	90
NEBR	100	100	100
N C	71	61	NA
OHIO	100	100	100
S C	87	95	89
TENN	100	93	82
18 STATES	94	NA	NA
EXCL. STATES WITH NA	97	98	96

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

	SPRING WHEAT % HARVESTED		
	1980	1979	AVG.
IDA	74	72	68
MINN	92	54	84
MONT	70	65	70
N D	74	55	75
S DAK	100	93	99
5 STATES	81	63	79

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

	COTTON % ROLLS OPENING		
	1980	1979	AVG.
ALA	28	8	18
ARIZ	73	NA	NA
ARK	55	7	17
CALF	17	20	NA
GA	64	46	NA
LA	38	8	19
MISS	78	19	37
MO	71	21	23
N MEX	8	1	10
N C	63	16	NA
OKLA	20	5	5
S C	77	69	49
TENN	40	3	12
TEX	33	19	NA
14 STATES	38	NA	NA
EXCL. STATES WITH NA	50	12	22

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

	RICE % HARVESTED		
	1980	1979	AVG.
ARK	8	5	7
CALF	0	0	NA
LA	78	75	75
MISS	14	11	NA
TEX	100	97	97
5 STATES	37	34	NA
EXCL. STATES WITH NA	48	45	46

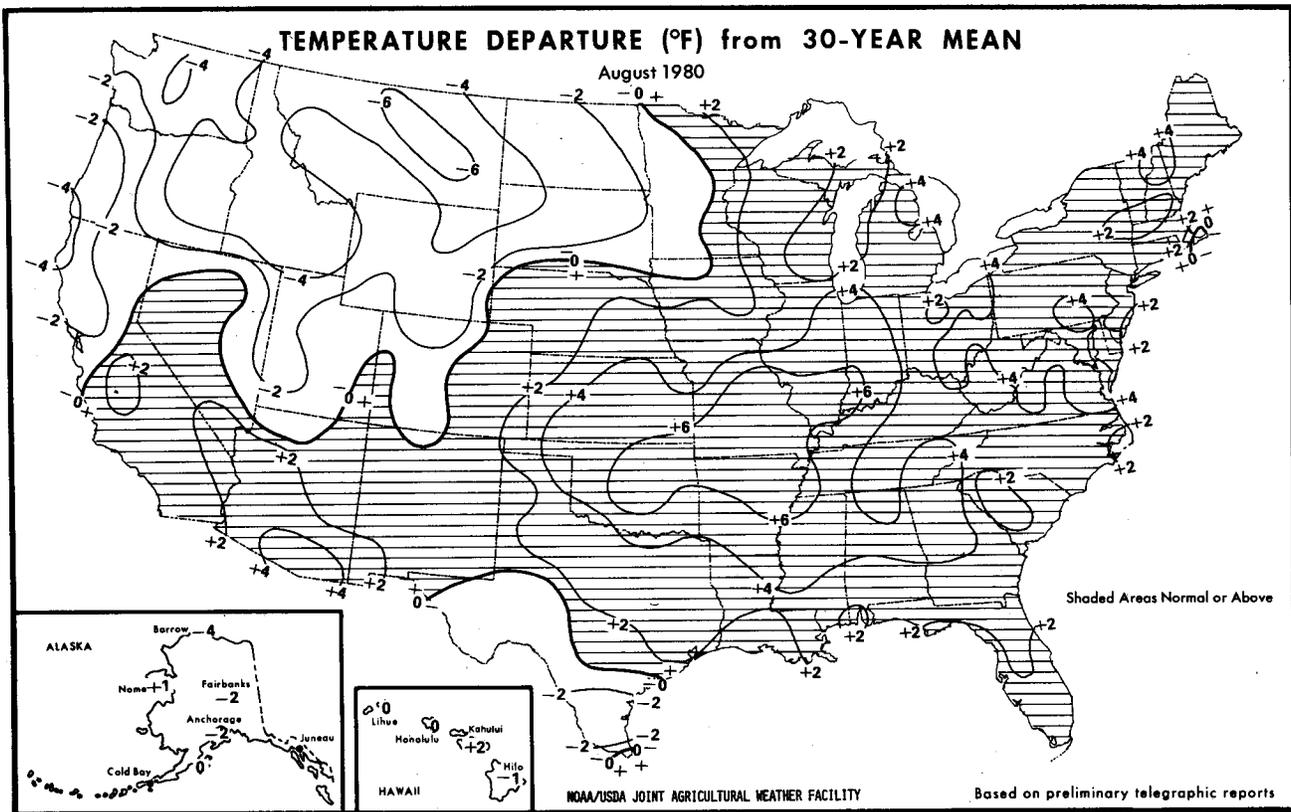
THESE 5 STATES PRODUCED 99%
OF THE 1979 RICE CROP.

	SORGHUM % COLORING		
	1980	1979	AVG.
COLO	48	45	55
KANS	50	40	50
MO	70	NA	NA
NEBR	80	60	75
OKLA	75	65	85
S DAK	54	55	61
TEX	81	80	NA
7 STATES	68	NA	NA
EXCL. STATES WITH NA	60	48	60

	SORGHUM % HARVESTED		
	1980	1979	AVG.
COLO	0	0	0
KANS	4	0	3
MO	0	0	2
NEBR	0	0	0
OKLA	5	5	5
S DAK	0	0	0
TEX	71	63	62
7 STATES	28	24	25

THESE 7 STATES PRODUCED 92%
OF THE 1979 SORGHUM CROP.

NA = NOT AVAILABLE



August Weather Summary

HIGHLIGHTS: The most consistent feature of the August weather was the heat wave which began in the last week of June and continued through July and August. Average temperatures for August ranged 6 to 8 degrees above normal. Warmer than normal temperatures spanned an area from the Southwest to the northern Mississippi Valley and eastward to the Atlantic. The Pacific Northwest, the northern Plateau and Rockies, and the northern Plains ranged cooler than normal. Rain, from thunderstorms, was well above normal from the northern Rockies to the central Plains and eastward to the Appalachians. The southern Plains, the South, the Southeast, and the East Coast generally had less than half the normal rain. Coupled with high moisture demand due to the excessive heat, the lack of rain caused varying degrees of drought in these areas.

The first 3 days of August were hot in the South and in most of the Plains. Precipitation was light until a weak front moved through the Great Lakes and produced some moderate showers in the Lakes region and western New England.

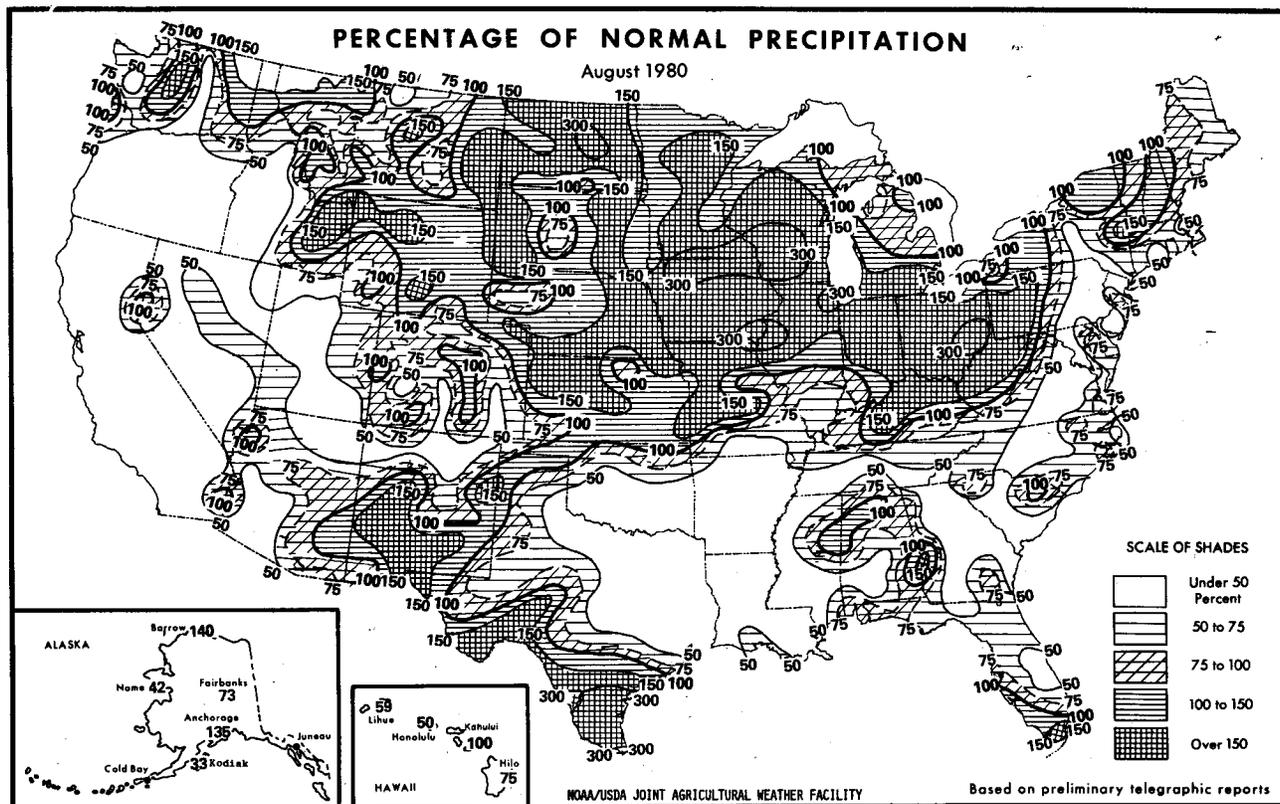
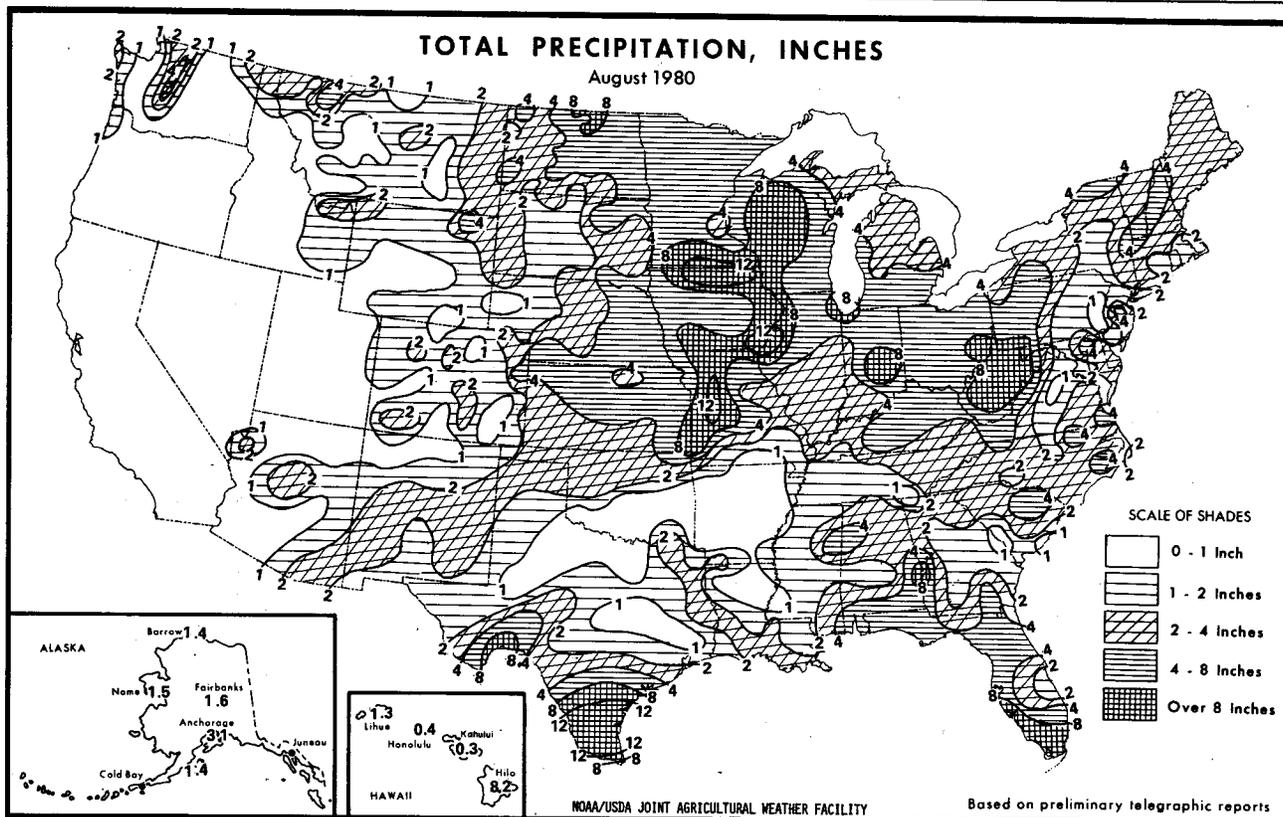
FIRST WEEK...A strong low pressure center moved through southern Canada with a cold front trailing southward into the United States. Moderate to heavy rain fell in the upper Mississippi Valley, the western Great Lakes area, the upper Ohio Valley, and in the very dry eastern Kansas and northern Missouri sections, where corn and soybeans struggled to combat hot, dry weather. Late in the week, Hurricane Allen slammed into the South Texas Coast with very diminished winds but brought heavy downpours to the dry southern

Texas area. Hot weather spread over much of the Nation. Only the northern Plains, Plateau, and Rockies had cool weather. One-hundred-degree readings reached as far north as northern California, South Dakota, and Virginia.

SECOND WEEK...A storm system moved through New England, and another started in the northern Plains. Showers and thunderstorms were widespread from the Rockies to the East Coast and over much of the Plateau Region of the West. Kansas and Missouri again got a good soaking. The dry areas in northeastern Texas, Arkansas, and northern Louisiana remained hot and dry. The remnants of Hurricane Allen spread rain further into southwestern Texas and New Mexico. The rapid succession of frontal passages gradually cooled the northern tier of States, but the South and most of the Plains remained warm. Hot weather in the mid-Atlantic States early in the week gave way to a cooling spell by week's end.

THIRD WEEK...A slow-moving cold front worked its way through the northern and central Plains and the eastern United States. A warm front held nearly stationary from the Great Lakes to the mid-Atlantic region. Showers and thunderstorms gathered along the warm front. Almost daily rain in West Virginia and adjacent States resulted in severe flooding. Isolated thunderstorms in the dry northern Oklahoma area left 2 or more inches of rain in some spots. Some light storms crept into northwestern Arkansas, but little rain fell. No rain fell in the dry wedge of eastern Texas, Arkansas, and northern Louisiana. A respite from the hot weather edged

(continued on backcover)



August 1980

Temperature and Precipitation Data for

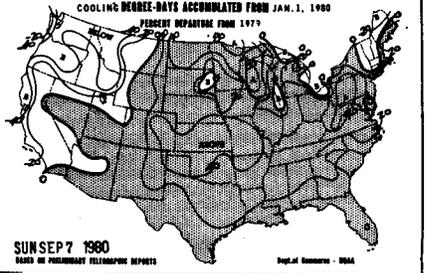
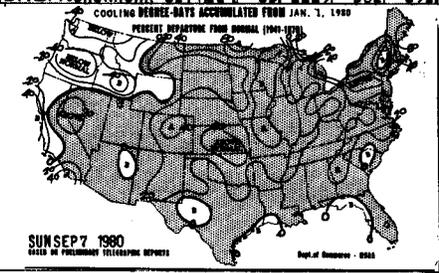
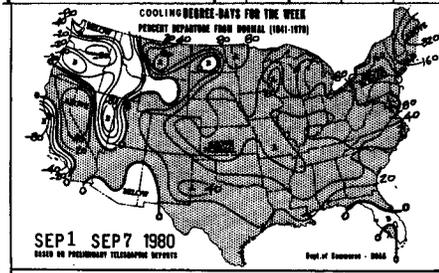
States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	83	+ 4	2.8	- 1.5	LA. Baton Rouge . . .	82	0	1.3	- 3.4	Youngstown . . .	71	+ 2	7.7	+ 4.5
Mobbie . . .	83	+ 1	6.4	- .5	Lake Charles . . .	83	+ 1	1.6	- 3.2	OKLA. Okla. City . . .	88	+ 7	.6	- 2.0
Montgomery . . .	83	+ 2	1.0	- 2.5	New Orleans . . .	86	+ 4	1.7	- 3.6	Tulsa . . .	90	+ 8	2.3	.6
ALASKA Anchorage . . .	54	- 2	3.1	+ .8	Shreveport . . .	86	+ 3	4	- 2.3	OREG. Astoria . . .	59	- 1	1.9	+ .4
Barrow . . .	34	- 4	1.4	+ .4	MAINE Caribou . . .	66	+ 4	2.3	- 1.5	Burns . . .	61	- 5	T	- .4
Fairbanks . . .	53	- 2	1.6	- .6	Portland . . .	71	+ 5	2.1	- .5	Medford . . .	69	- 1	0	- .3
Juneau . . .	--	--	--	--	MD. Baltimore . . .	79	+ 4	4.0	- .2	Pendleton . . .	67	- 5	T	- .3
Kodiak . . .	55	0	1.4	- 2.9	MASS. Boston . . .	74	+ 3	1.6	- 1.9	Portland . . .	66	- 1	.4	- .4
Nome . . .	50	+ 1	1.5	- 2.1	Chatham . . .	70	- 1	2.2	- .3	Salem . . .	63	- 3	T	- .6
ARK. Flagstaff . . .	66	+ 2	2.2	- .5	MICH. Alpena . . .	69	+ 5	3.3	+ .2	PA. Allentown . . .	78	+ 6	.9	- 3.3
Phoenix . . .	92	+ 3	.1	- 1.1	Detroit . . .	73	+ 2	6.1	+ 2.8	Erie . . .	72	+ 4	2.3	- 1.1
Tucson . . .	89	+ 5	2.0	- .3	Flint . . .	71	+ 3	3.3	0	Harrisburg . . .	76	+ 2	1.5	- 1.7
Winslow . . .	76	0	1.3	- .2	Grand Rapids . . .	73	+ 3	3.2	+ .7	Philadelphia . . .	80	+ 5	.8	- 3.3
Yuma . . .	93	0	T	- .4	Houghton Lake . . .	68	+ 3	2.0	- .4	Pittsburgh . . .	75	+ 5	5.1	+ 1.9
ARK. Fort Smith . . .	86	+ 5	.7	- 2.2	Lansing . . .	72	+ 2	4.8	+ 2.0	Scranton . . .	75	+ 5	1.2	- 2.6
Little Rock . . .	86	+ 6	.1	- 2.8	Marquette . . .	65	+ 2	3.5	- .1	R.I. Providence . . .	73	+ 2	2.0	- 1.9
CALIF. Bakersfield . . .	83	+ 1	0	0	Muskegon . . .	71	+ 2	5.5	+ 1.9	S.C. Charleston . . .	82	+ 2	.7	- 5.7
Eureka . . .	53	- 4	.1	- .2	S. Ste. Marie . . .	65	+ 2	2.6	- .5	Columbia . . .	81	+ 1	3.3	- 2.3
Fresno . . .	81	+ 3	0	0	MINN. Duluth . . .	64	0	5.3	+ 1.5	Greenville . . .	79	+ 1	3.3	- .8
Los Angeles . . .	71	+ 1	0	0	Internatl Falls . . .	65	+ 2	4.0	+ .6	S.D. Aberdeen . . .	69	- 2	5.9	+ 3.8
Red Bluff . . .	79	- 1	0	- .2	Minneapolis . . .	71	+ 2	3.3	+ .2	Huron . . .	71	- 1	3.9	+ 1.9
San Diego . . .	74	+ 3	0	- .1	Rochester . . .	70	+ 1	7.9	+ 4.3	Rapid City . . .	69	- 3	2.4	+ .9
San Francisco . . .	62	- 1	T	0	St. Cloud . . .	67	- 1	7.0	+ 4.1	Sioux Falls . . .	71	- 1	2.9	+ .1
Stockton . . .	77	+ 2	0	0	MISS. Jackson . . .	85	+ 4	1.5	- 2.1	TENN. Chattanooga . . .	82	+ 4	1.0	- 2.3
COLO. Denver . . .	73	+ 2	1.7	+ .4	Meridian . . .	84	+ 3	1.2	- 2.7	Knoxville . . .	82	+ 5	2.3	- .9
Grand Junction . . .	75	0	1.4	+ .3	MO. Columbia . . .	82	+ 6	3.0	- .8	Memphis . . .	87	+ 7	1.2	- 2.1
Pueblo . . .	76	+ 2	2.4	+ .4	Kansas City . . .	80	+ 3	4.9	+ 1.1	Nashville . . .	82	+ 3	1.2	- 2.0
CONN. Bridgeport . . .	76	+ 3	2.4	- 1.4	St. Louis . . .	84	+ 7	2.7	- .2	TEX. Abilene . . .	87	+ 3	1.6	- .5
Hartford . . .	73	+ 3	1.6	- 2.3	Springfield . . .	83	+ 6	1.2	- 1.2	Amarillo . . .	79	+ 1	1.8	- 1.1
D.C. Washington . . .	83	+ 6	1.1	- 3.6	MONT. Billings . . .	67	- 3	1.2	+ .2	Austin . . .	86	+ 1	1.2	- 1.0
FLA. Apalachicola . . .	82	0	4.8	- 3.3	Glasgow . . .	65	- 4	1.4	- .1	Beaumont . . .	84	+ 1	1.2	- 4.5
Daytona Beach . . .	82	+ 1	4.1	- 2.7	Great Falls . . .	63	- 4	.7	- .4	Brownsville . . .	85	+ 1	7.3	+ 4.6
Ft. Myers . . .	84	+ 1	8.8	+ 1.1	Havre . . .	62	- 6	.5	- .6	Corpus Christi . . .	83	- 2	14.8	+ 11.6
Jacksonville . . .	83	+ 2	4.0	- 3.9	Helena . . .	63	- 3	.3	- .7	Del Rio . . .	85	- 1	2.1	+ .9
Key West . . .	85	0	6.4	+ 1.9	Kalispell . . .	59	- 4	1.6	+ .3	El Paso . . .	82	+ 1	1.8	+ .7
Lakeland . . .	85	+ 3	3.8	- 3.4	Miles City . . .	67	- 6	2.0	+ .8	Fort Worth . . .	89	+ 4	T	- 2.3
Miami . . .	83	+ 0	11.3	+ 4.6	Missoula . . .	62	- 3	.6	- .3	Galveston . . .	84	+ 1	2.4	- 2.0
Orlando . . .	84	+ 2	2.9	- 3.8	NEBR. Grand Island . . .	77	+ 2	4.4	+ 1.9	Houston . . .	87	+ 4	1.4	- 3.0
Tallahassee . . .	83	+ 2	3.5	- 3.4	Lincoln . . .	79	+ 3	6.2	+ 2.9	Lubbock . . .	81	+ 3	1.6	- .3
Tampa . . .	83	+ 1	7.6	- .4	Norfolk . . .	76	+ 2	4.7	+ 2.0	Midland . . .	81	- 1	.9	- .6
W. Palm Beach . . .	83	+ 1	5.0	- 1.9	N. Platte . . .	74	+ 1	3.0	+ .9	San Angelo . . .	84	- 1	3.3	+ 1.9
GA. Atlanta . . .	84	+ 6	1.6	- 1.9	Omaha . . .	76	+ 2	7.7	+ 3.7	San Antonio . . .	85	0	2.6	+ .2
Augusta . . .	82	+ 2	.7	- 3.5	Valentine . . .	73	0	3.0	+ .6	Victoria . . .	84	- 1	5.7	+ 2.5
Macon . . .	85	+ 4	1.1	- 2.6	NEV. Ely . . .	65	- 1	.4	- .2	Waco . . .	88	+ 2	.2	- 1.6
Savannah . . .	83	+ 2	1.0	- 5.5	Las Vegas . . .	90	+ 3	0	- .5	Wichita Falls . . .	89	+ 3	.3	- 1.5
HAWAII. Hilo . . .	75	- 1	8.2	- 2.7	Reno . . .	68	+ 1	.3	+ .1	UTAH. Blanding . . .	71	0	.3	- 1.3
Honolulu . . .	81	0	.4	- .4	Winnemucca . . .	68	0	.2	- .1	Salt Lake City . . .	74	- 1	.3	- .6
Kahului . . .	81	+ 2	.3	0	N.H. Concord . . .	68	+ 1	4.0	+ 1.1	VT. Burlington . . .	71	+ 4	3.8	+ .1
Lihue . . .	79	0	1.3	- .9	N.J. Atlantic City . . .	73	0	2.6	- 2.3	VA. Lynchburg . . .	79	+ 5	1.3	- 2.8
IDAHO. Boise . . .	67	- 5	T	- .3	Trenton . . .	78	+ 4	4.0	- .2	Norfolk . . .	81	+ 4	4.5	- 1.4
Lewiston . . .	69	- 3	.5	- .1	N.MEX. Albuquerque . . .	77	0	2.6	+ 1.3	Richmond . . .	81	+ 5	2.2	- 2.9
Pocatello . . .	65	- 5	1.3	+ .7	Roswell . . .	79	+ 1	2.5	+ 1.0	Roanoke . . .	77	+ 3	2.9	- 1.3
ILL. Cairo . . .	83	+ 4	2.6	- .9	N.Y. Albany . . .	71	+ 1	6.5	+ 3.6	WASH. Colville . . .	64	- 3	1.6	+ .7
Chicago . . .	76	+ 5	8.5	+ 5.8	Binghamton . . .	71	+ 4	1.6	- 2.0	Omak . . .	70	+ 2	.1	- .5
Moline . . .	76	+ 3	9.1	+ 5.7	Buffalo . . .	73	+ 5	3.6	+ .1	Quillayute . . .	57	- 2	2.0	- .8
Peoria . . .	77	+ 3	6.2	+ 3.1	New York . . .	78	+ 3	1.3	- 3.2	Seattle-Tacoma . . .	62	- 2	.6	- .5
Rockford . . .	74	+ 2	5.4	+ 1.8	Rochester . . .	74	+ 5	3.4	+ .4	Spokane . . .	64	- 4	.8	+ .2
Springfield . . .	79	+ 5	3.9	+ 1.2	Syracuse . . .	74	+ 4	1.3	- 2.2	Walla Walla . . .	70	- 4	.4	- .1
IND. Evansville . . .	82	+ 6	2.2	- .8	N.C. Asheville . . .	75	+ 2	2.4	- 2.1	Yakima . . .	66	- 3	.3	0
Ft. Wayne . . .	74	+ 3	4.8	+ 1.9	Charlotte . . .	81	+ 3	1.9	- 2.1	W.VA. Beckley . . .	71	+ 2	5.5	+ 1.7
Indianapolis . . .	77	+ 4	8.3	+ 5.5	Greensboro . . .	79	+ 3	2.1	- 2.2	Charleston . . .	76	+ 2	10.3	+ 6.6
South Bend . . .	75	+ 4	7.8	+ 4.5	Hatteras . . .	79	+ 1	1.5	- 5.3	Huntington . . .	78	+ 4	5.9	+ 2.6
IOWA. Burlington . . .	76	+ 2	12.6	+ 9.2	Raleigh . . .	80	+ 3	1.9	- 3.0	Parkersburg . . .	76	+ 2	7.2	+ 3.8
Des Moines . . .	76	+ 3	7.2	+ 3.9	Wilmington . . .	82	+ 2	3.2	- 3.6	WISC. Green Bay . . .	69	+ 1	7.3	+ 4.7
Dubuque . . .	73	+ 3	9.1	+ 5.1	N.DAK. Bismarck . . .	66	- 3	5.0	+ 3.0	La Crosse . . .	74	+ 3	9.8	+ 6.8
Sioux City . . .	74	0	5.7	+ 2.7	Fargo . . .	68	- 1	4.2	+ 1.3	Madison . . .	70	+ 1	9.5	+ 6.4
KANS. Concordia . . .	81	+ 4	3.0	- .2	Williston . . .	66	- 3	1.8	+ .2	Milwaukee . . .	70	+ 1	5.1	+ 2.4
Dodge City . . .	82	+ 4	2.1	- .5	OHIO. Akron-Canton . . .	75	+ 5	4.9	+ 2.1	WYO. Casper . . .	66	- 4	1.7	+ .1
Goodland . . .	75	+ 1	3.4	+ 1.2	Cincinnati . . .	77	+ 3	4.2	+ 1.6	Cheyenne . . .	66	- 2	1.6	+ .1
Topeka . . .	81	+ 4	5.9	+ 1.7	Cleveland . . .	73	+ 3	4.4	+ 1.4	Lander . . .	67	- 2	.3	- .1
Wichita . . .	85	+ 5	3.8	+ .7	Columbus . . .	76	+ 4	6.3	+ 3.4	Sheridan . . .	66	- 3	1.1	+ .1
KY. Lexington . . .	78	+ 3	5.1	+ 1.7	Dayton . . .	76	+ 3	4.6	+ 2.0	P.R. San Juan . . .	85	+ 4	1.3	- 5.7
Louisville . . .	81	+ 5	3.8	+ .8	Toledo . . .	73	+ 3	5.9	+ 2.8					

Based on 1941-70 normals

COOLING DEGREE DAYS (BASE 65°) FOR WEEK ENDING SEP. 7, 1980.

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

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE, SEASONAL ACCUMULATION, and DEPARTURE FROM 1979. Rows list various states and cities such as ALA., ARIZ., ARK., CALIF., COLO., CONN., DEL., D.C., FLA., GA., IDAHO, ILL., IND., IOWA, KANS., KY., LA., MAINE, MD., MASS., MICH., MINN., MISS., MO., MONT., NEBR., NEV., N.H., N.J., N.MEX., N.Y., N.C., N.DAK., OHIO, OKLA., OREG., PA., S.C., S.DAK., TENN., TEXAS., UTAH, VA., WASH., W.VA., WIS., WYO.



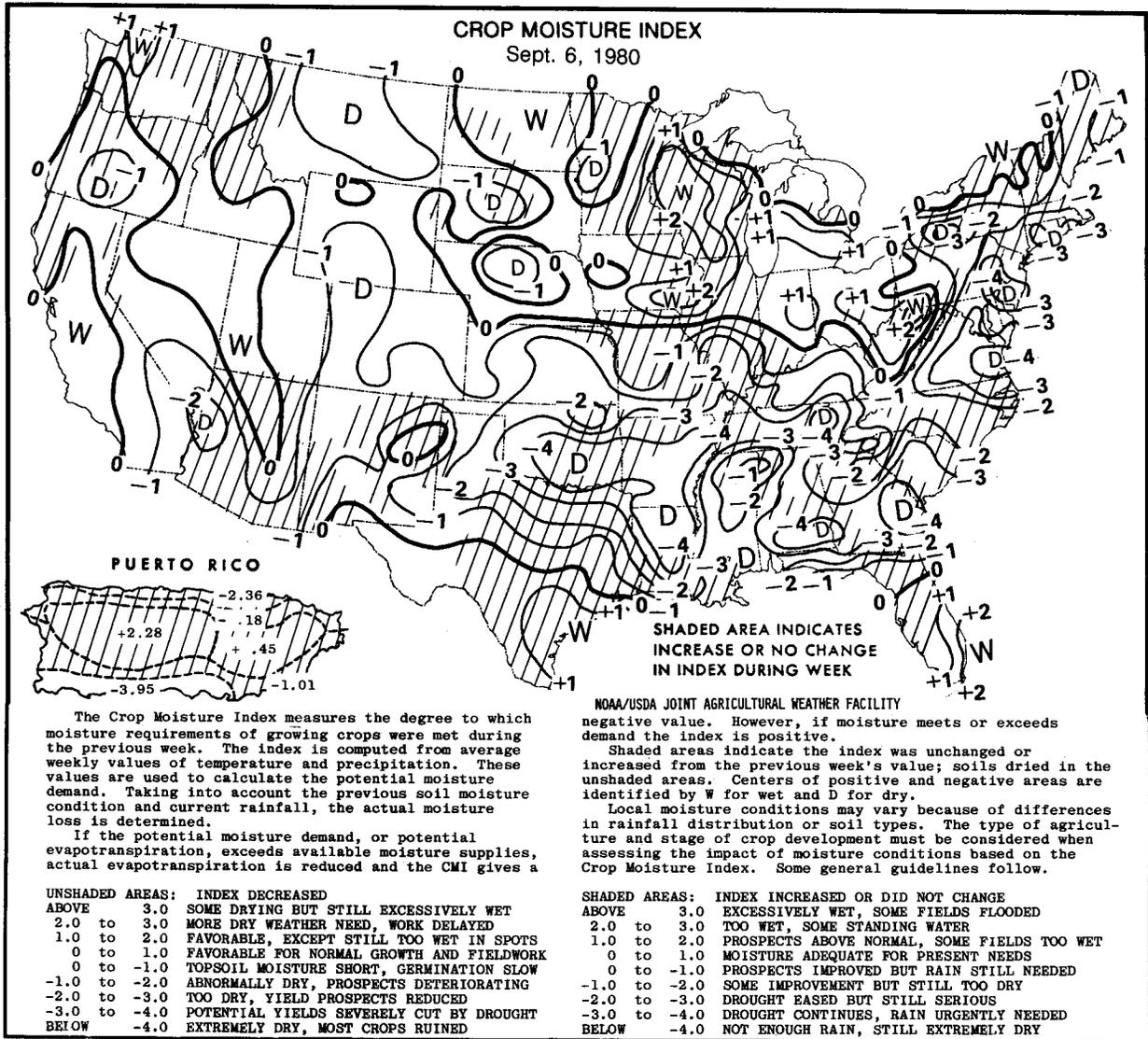
Heating Degree Days (Base 65° F.)

August 1980

ALA. Birmingham	0	MAINE, Caribou	41	OKLA. Okla. City	0
Mobile	0	Portland	6	Tulsa	0
Montgomery	0	MD. Baltimore	0	OREG. Astoria	124
ALASKA, Anchorage	-	MASS. Boston	5	Burns U.	130
Barrow	-	Chatham	3	Medford	9
Fairbanks	-	MICH. Alpena	15	Pendleton	33
Juneau	-	Detroit	0	Portland	25
Nome	-	Flint	8	Salem	82
ARIZ. Flagstaff	33	Grand Rapids	4	PA. Allentown	0
Phoenix	0	Houghton Lake	27	Erie	2
Tucson	0	Lansing	5	Harrisburg	0
Winslow	0	Marquette U.	68	Philadelphia	0
Yuma	0	S. Ste. Marie	44	Pittsburgh	5
ARK. Fort Smith	0	MINN. Duluth	76	Scranton	0
Little Rock	0	Internatl Falls	56	R. I. Providence	1
CALIF. Bakersfield	0	Minneapolis	12	S. C. Charleston	0
Eureka U.	303	Rochester	11	Columbia	0
Fresno	0	St. Cloud	35	Greenville	0
Los Angeles U.	0	MISS. Jackson	0	S. DAK. Aberdeen	24
Red Bluff	0	Meridian	0	Huron	6
Stockton	0	MO. Columbia	0	Rapid City	18
San Diego	0	Kansas City	0	Sioux Falls	14
San Francisco	109	St. Louis	0	TENN. Chattanooga	0
COLO. Denver	4	Springfield	0	Knoxville	0
Grand Junction	2	MONT. Billings	25	Memphis	0
Pueblo	0	Glasgow	63	Nashville	0
CONN. Bridgeport	0	Great Falls	108	TEX. Abilene	0
Hartford	0	Havre	102	Amarillo	0
D. C. Washington	0	Helena	81	Austin	0
FLA. Apalachicola	0	Kalispell	178	Beaumont	0
Ft. Myers	0	Miles City	37	Brownsville	0
Jacksonville	0	Missoula	119	Corpus Christi	0
Key West	0	NEBR. Grand Island	2	Dallas	-
Lakeland U.	0	Lincoln	0	Del Rio	0
Miami	0	Norfolk	1	El Paso	0
Orlando	0	North Platte	6	Fort Worth	0
W. Palm Beach	0	Omaha	0	Galveston U.	0
Tallahassee	0	Valentine	14	Houston	0
Tampa	0	NEV. Ely	76	Lubbock	0
GA. Atlanta	0	Las Vegas	0	Midland	0
Augusta	0	Reno	34	San Angelo	0
Macon	0	Winnemucca	23	San Antonio	0
Savannah	0	N. H. Concord	33	Victoria	0
IDAHO, Boise	41	N. J. Atlantic City	5	Waco	0
Lewiston	35	Trenton U.	0	Wichita Falls	0
Pocatello	57	N. MEX. Albuquerque	0	UTAH, Blanding R	-
ILL. Cairo U.	0	Roswell	0	Salt Lake City	10
Chicago	3	N. Y. Albany	7	VT. Burlington	3
Moline	1	Binghamton	11	VA. Lynchburg	0
Peoria	0	Buffalo	0	Norfolk	0
Rockford	3	New York	0	Richmond	0
Springfield	0	Rochester	0	Roanoke	0
IND. Evansville	0	Syracuse	0	WASH. Colville	86
Fort Wayne	0	N. C. Asheville	0	Omak	-
Indianapolis	0	Charlotte	0	Quillayute	250
South Bend	1	Greensboro	0	Seattle-Tacoma	104
IOWA, Burlington	0	Hatteras R.	0	Spokane	77
Des Moines	0	Raleigh	0	Walla Walla U.	15
Dubuque	3	Wilmington	0	Yakima	41
Sioux City	0	N. DAK. Bismarck	53	W. VA. Beckley	1
KANS. Concordia	0	Fargo	35	Charleston	0
Dodge City	0	Williston U.	52	Huntington	0
Goodland	2	OHIO. Akron-Canton	3	Parkersburg U.	0
Topeka	0	Cincinnati U.	0	WIS. Green Bay	11
Wichita	0	Cleveland	2	Madison	11
KY. Lexington	0	Columbus	0	Milwaukee	9
Louisville	0	Dayton	0	WYO. Casper	44
LA. Baton Rouge	0	Toledo	3	Cheyenne	41
Lake Charles	0	Youngstown	12	Lander	97
New Orleans	0			Sheridan	50
Shreveport	0				

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

*Estimated.



SHOWERS IN SOUTHERN ILLINOIS, MISSOURI AND NORTHERN ARKANSAS HAVE IMPROVED THE AVAILABLE SOIL MOISTURE. NORTHERN MISSOURI NOW HAS NEAR-NORMAL MOISTURE FOR CROP GROWTH, BUT THE OTHER AREAS STILL NEED ABOVE-NORMAL RAIN. MOISTURE FROM TROPICAL STORM DANIELLE IMPROVED THE CROP MOISTURE IN PARTS OF CENTRAL TEXAS, BUT THE AREA WAS SMALL. LIGHT SHOWERS IN PARTS OF GEORGIA AND THE MID-ATLANTIC REGION FAILED TO KEEP UP WITH THE HIGH CROP MOISTURE DEMAND, LOWERING THE INDEX.

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Managing Editor.....Don Haddock
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FIRST CLASS MAIL

(continued from page 12)

good growth of third crop but difficult to harvest as little drying weather. Alfalfa stands suffering from excess water. Pasture conditions above normal but soft. Corn 65% in dent, 1979 36%, normal 55%. Corn 20% mature, 1979 5%, normal 15%. Seed corn being harvested, good crop. Continuation of wet fields could cause problems for harvesting silage and grain corn. Soybeans 25% with leaves yellowing, 1979 5%, normal 25%. Potato and vegetable harvesting continuing as field and weather conditions permit. Wet weather causing increase of plant diseases. Tobacco being harvested, need better curing weather. Good apple crop being picked. Soil moisture mostly surplus. Streamflow above normal.

WYOMING: Cooler than normal with average temperature ranging 2 to 5° below normal.

Highest temperature 95°, lowest 25°. Most locations received some rainfall. Most amounts 0.15 in. or less.

Topsoil moisture short 69%. Subsoil moisture short 66%. Winter wheat 60% planted, 14% emerged. Spring wheat 93% mature, 88% harvested. Most oats mature, 87% harvested. Barley mostly mature, 90% harvested. Potatoes 32% harvested. Corn silage 16% harvested. Corn for grain maturing slower than last year: milk 8%; dough 35%; denting 50%, mature 7%. Dry beans: Turning color 91%; windrowed 50%; combined 20%. Second cutting alfalfa 81% complete, third cutting 17%. Other hay harvest in windup stages. Prospects for fall, winter grazing mostly fair. Cattle, calves contracted 27%, marketed 10%. Sheep, lambs contracted 25%, marketed 18%.

(continued from page 18)

into the northern and central Plains, but warm temperatures returned to the central Plains as the cool air moved eastward.

FOURTH WEEK...A cool high pressure system centered in West Virginia and drifted slowly southward and eastward. Several frontal systems moved into the Plains and steered northeastward. Almost daily showers and thunderstorms rolled from the Pacific Northwest to the northern

Mississippi Valley and from Kansas through the Great Lakes to New England. Circulation around the high pressure caused warm, moist air from the Gulf of Mexico to flow northward, and thundershowers broke out--first in eastern Texas and then in Louisiana, Mississippi, and Alabama, moving northward to the Ohio Valley. As the south wind increased, warm air again flowed northward and enveloped the region from the central Plains to the Northeast.