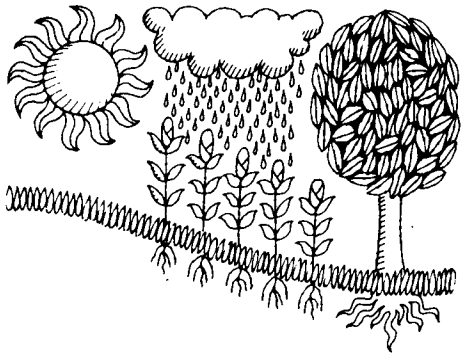

WEEKLY WEATHER AND CROP BULLETIN

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

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

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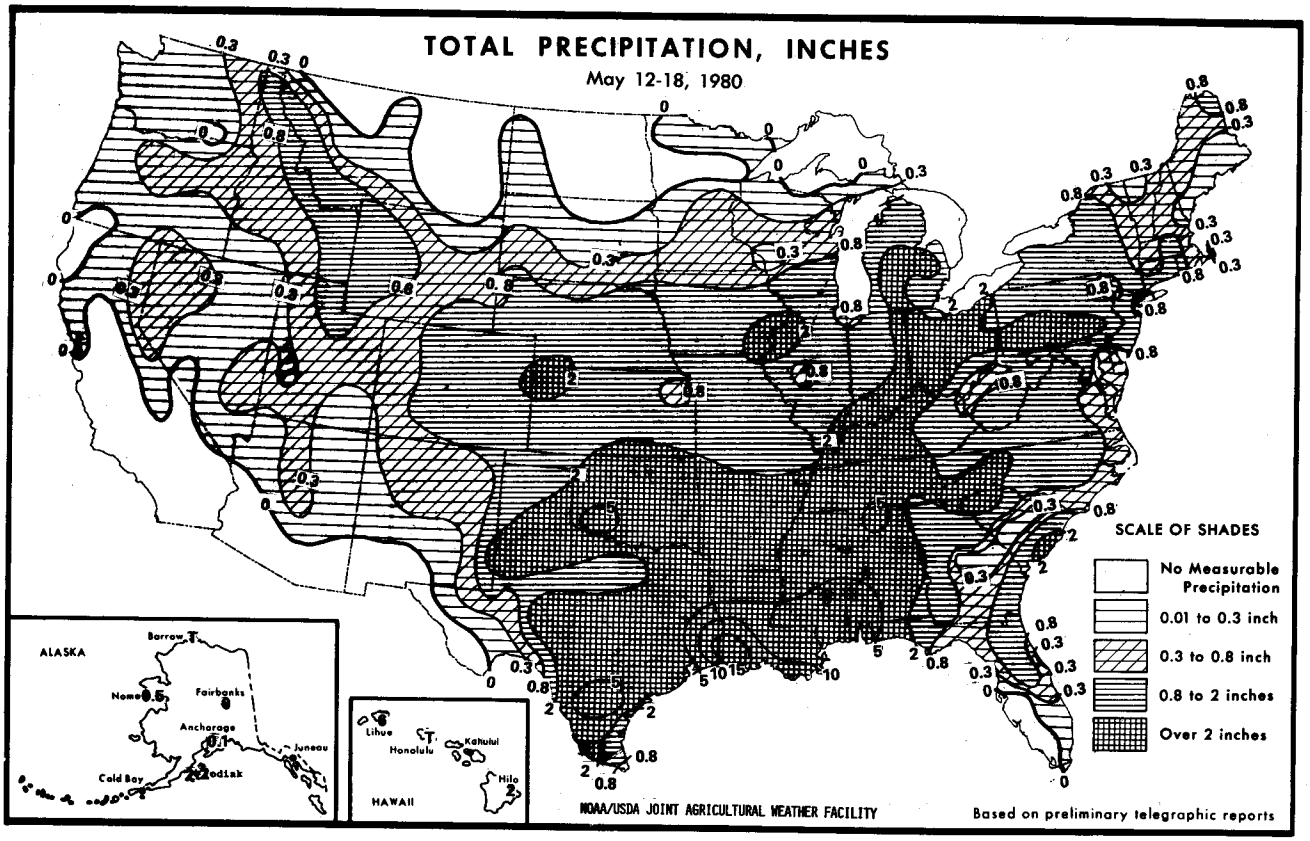


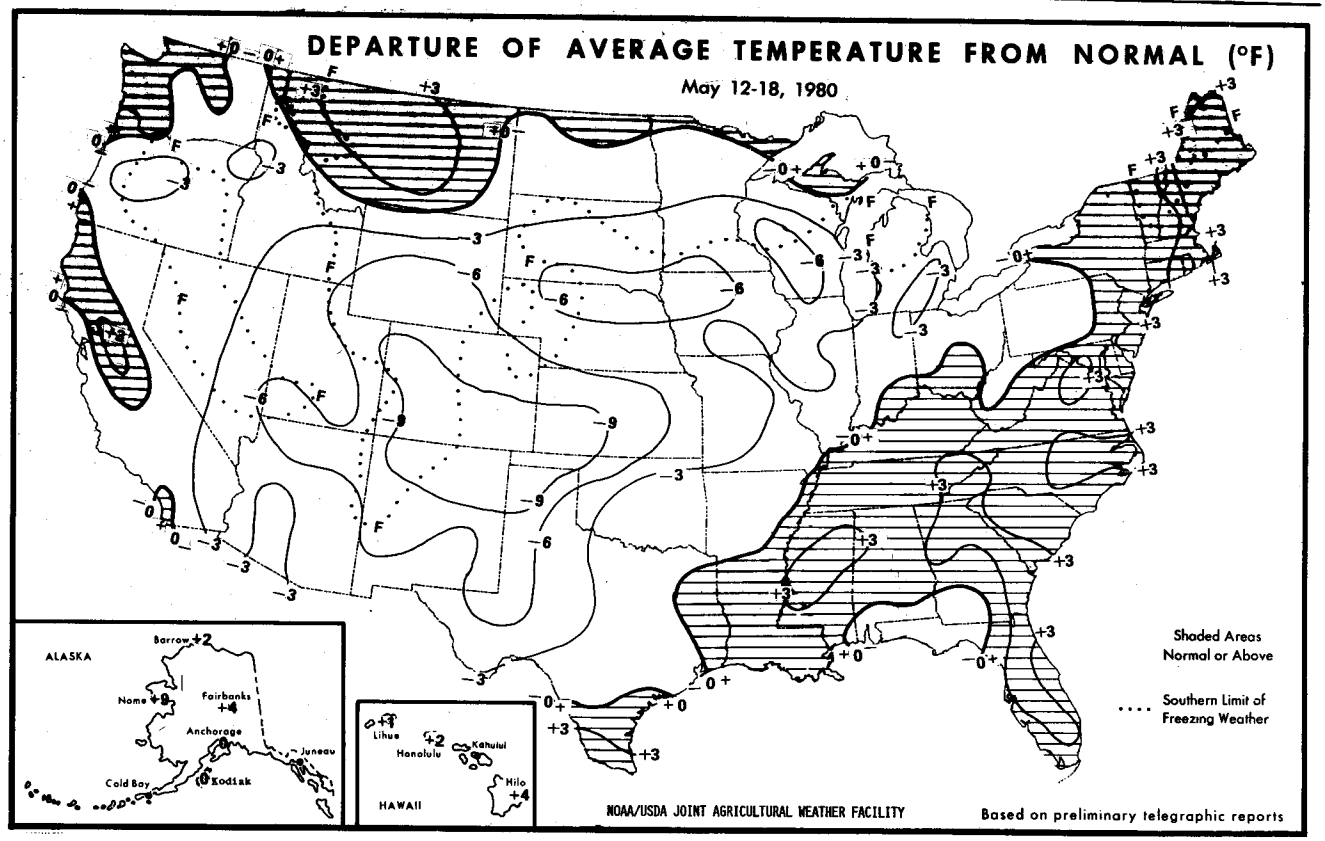
National Weather Summary

May 12 - 18

HIGHLIGHTS: A slow-moving cold front became stationary along the Gulf Coast, and a series of low pressure systems moved out of the central Rockies and northeastward. Thunderstorms and severe weather were rife south of a line from western New England to southwestern Texas. Devastating tornadoes in Missouri and Pennsylvania caused numerous injuries and much property damage. Flooding from heavy rains spread throughout the South and in Colorado and Oklahoma. The eruption of Mt. St. Helens in the State of Washington on the last day of the week caused flooding and mudslides in the immediate area and spread volcanic ash over the land far to the east.

MONDAY...Showers and thunderstorms developed from the eastern half of Texas to Indiana and Ohio, across Pennsylvania, and into New England. Thunderstorms spawned tornadoes in Missouri and Pennsylvania causing numerous injuries and extensive property damage. Hail and high winds spread through the Ohio Valley and central Appalachians. Heavy rain fell from northeastern Texas to southeastern Missouri and into Ohio and Pennsylvania. Light rain fell in the Plains as far north as South Dakota, but none fell in the extreme northern Plains. Elsewhere showers were widely scattered from the Pacific Northwest to the central Rockies. Snow continued to taper off in Wyoming.

TUESDAY...A cold front stretching from New England to southwestern Texas continued to cause showers and thunderstorms along and ahead of the colder air as it moved slowly eastward. A wave on the front brought widespread light showers to the States surrounding the Great Lakes. The devastating tornadoes of Monday did not return, but some minor twisters touched down in Texas, along with severe thunderstorms, hail and high winds along the southern portion of the front. Two to 5 inches of rain



fell in the Austin-San Antonio, Texas area. Light showers dotted northern California and the central Rockies northward. Maximum temperatures behind the front ranged in the forties but topped the century mark in southern Texas ahead of the front.

WEDNESDAY...The cold front had moved to a position from the mid-Atlantic States southwestward to southeastern Texas by midday. A large high pressure system dominated the area behind the front and east of the Rockies. Generally clear, cool weather was the rule in the high pressure area. The exception to the rule was some light rain in the eastern Great Lakes area. Showers and thunderstorms continued along and ahead of the front in the South and Southeast and behind the front in the southern Plains. Flash floods occurred in southern and southwestern Texas. Heavy rains fell from Texas to Georgia. No rain fell in the northern Plains.

THURSDAY...As freezing temperatures were marked in the early morning in the north central States, moist air from the Gulf of Mexico--flowing northward--was lifted over the cooler air and produced thunderstorms and rain into the central Plains. Winds across the Great Lakes caused light showers in Wisconsin and northern Illinois. Severe weather continued in the South adding to the flooding problems in parts of Texas and Oklahoma. Showers fell in the Rockies again, but the northern Plains were still clear. Fair skies prevailed over the West, but a few showers moved through Arizona.

FRIDAY...Locally heavy rain from continuing thunderstorms caused some severe flooding in the western portion of the Gulf Coast States. Lake Charles, La., measured nearly 15 inches of rain in the 24 hours ending at noon. Tornadoes touched down at Pearlton, Gulfport, and Biloxi, all along the Mississippi Gulf Coast. Elsewhere, locally heavy rain combined with snowmelt from the mountains causing flooding in eastern Colorado. Showers were scattered across the Rockies, through the central Plains, and into the Ohio Valley. Minimum temperatures around the Nation were generally in the thirties and forties, and maximums ran into the sixties and seventies. Very warm temperatures continued along the Gulf Coast and in Florida.

SATURDAY...A cold front was still lingering through the Florida Panhandle and the southern Gulf Coast States. Also, a low pressure system was centered in Missouri. Thunderstorms and severe weather continued to plague the Gulf Coastal States. Minor property damage was sustained, with no reports of personal injuries. The storm in Missouri touched off thunderstorms through the Ohio Valley and at least one tornado touched down in Illinois near Springfield. In the other direction, showers and thunderstorms extended through the central Plains into Colorado. More snow fell in the Rockies. Fair weather continued in the Far West and in the northern Plains.

SUNDAY...The Missouri storm had moved into Canada through Michigan. A warm front reached from the low center through central Pennsylvania to the coast of North Carolina--the cold front trailed from the low through southern Illinois to another low in Missouri and into southwestern Texas. These positions set the stage for widespread precipitation from Southwest Texas through the Great Lakes, into New England and included all of the area to the southeast. Severe weather in the South once again caused local flooding and some property damage. Flooding swept into southwestern Washington State as a result of the erupting volcano at Mt. St. Helens. Volcanic ash fell to the east of the active volcano and accumulated to a depth of several inches in some areas. No assessment has been made of potential property damage resulting from the falling ash.

National Agricultural Summary

May 12 - 18

HIGHLIGHTS: Dry weather in the northern Plains continued to stress crops, while heavy rains in the Delta States caused localized flooding. Volcanic dust fallout from the eruption of Mount St. Helens in Washington on May 18 covered much of the northern area from Washington eastward. Damage to crops and livestock is uncertain at this time. Most areas of the Nation had 4 to 6 days suitable for fieldwork, except the south central States, the North Atlantic region, and parts of the West where only 2 to 5 days were available. Winter wheat rated fair to mostly good except in the northern Plains where the condition was poor to fair due to lack of moisture. Winter wheat combining was confined to extreme southern areas Corn planting advanced to 86% complete, surpassing last year's 58% and the 69% average. Soybean planting reached 31% complete, ahead of last year's 18% and the 28% average. Cotton planting was 56% complete, slightly behind 1979's 61%. Excluding California and Arizona where planting is virtually complete, cotton was 47% planted, compared with 53% a year ago and the average of 55%. Grain sorghum planting advanced to 35%, 3 points ahead of 1979 and 1 point ahead of the average. Rice seeding was 89% complete, 9 points ahead of last year. Spring wheat seeding reached 90% complete, compared with 42% last year and the 66% average. Barley seeding stood at 91% finished, well ahead of 1979's 45% and the 66% average. Farmers in South Dakota finished seeding spring wheat, oats, and barley while Idaho farmers finished seeding spring wheat and barley. Pastures generally rated good except in the northern Plains where conditions were poor and supplemental feeding was needed for most of the roughage requirements. Vegetable planting advanced in northern areas. Fuel supplies held steady from the previous week. LP gas stood at 2% tight, 90% adequate, and 8% surplus. Diesel fuel rated 4% tight, 92% adequate, and 4% surplus. Gasoline was 3% tight, 93% adequate, and 4% surplus.

CORN: Corn planting in the 17 major States advanced to 86% complete, ahead of last year's slow progress of 58% and the 69% average. The east north central States reported 85% planted, compared with 59% a year ago and the 64% average. Planting in the west north central States reached 88% complete, compared with 51% last year and the 70% average. The 8 southeastern States advanced to 95%, 1 point ahead of 1979 and 2 points ahead of the average. Planting in North Carolina was complete. May fields have emerged with good stands reported in most areas.

SOYBEANS: Soybean seeding in the 31 major producing States was 31% complete, ahead of 1979's 18% and the 28% average. Growers in the eastern north central States advanced planting to 43%, almost double last year's 22% and ahead of the 31% average. In the western north central States, planting reached 32%, well ahead of a year ago at 9% and slightly ahead of the 30% average. Rains slowed progress in the south central States where seeding reached 18%, equal to last year but behind the 21% average.

COTTON: Cotton planting in the 14 major producing States advanced to 56% complete, 5 points behind last year. California growers have completed planting. Excluding California and Arizona, planting reached 47%, behind last year's 53% and the 55% average. In the Rio Grande Valley of Texas, many fields were squaring and some bolls were setting.

SMALL GRAINS: Winter wheat rated fair to mostly good except in the northern Plains where conditions were rated poor to fair due to the lack of moisture. In Texas, dryland stands varied throughout the State.

Spring wheat seeding in the five major producing States reached 90% complete, well ahead of 1979's late season 42% and the average of only 66%. Seeding was done in South Dakota and Idaho. Oats seeding rangedl from 83% in North Dakota to 100% in Ohio, South Dakota, and Wisconsin. Barley seeding was 91% complete, compared with only 45% last year and the 66% average. Emergence is spotty in the northern Plains where rain is needed badly.

OTHER CROPS: Grain sorghum planting progress reached 35% in the seven major producing States, 3 points ahead of last year and 1 point ahead of the average. Most States were near normal progress except Missouri which was 10 points ahead of normal and Oklahoma which lagged the average by 10 points. Texas planting advanced to 72% with 11% of the crop headed.

Rice seeding reached 89% in the five major producing States, 9 points ahead of 1979. Excluding California, seeding advanced to 90%, compared with 79% a year ago and the 90% average. Seeding was complete in Texas.

Peanut planting ranged from 15% in Texas to 85% in Virginia. Rains slowed planting and land preparation in Texas.

Tobacco transplanting was generally on schedule as plant supplies continued adequate. Problems with blue mold were reported in parts of Virginia.

FRUITS AND NUTS: Deciduous fruit trees reached full bloom in northern production areas. Orchards rated generally good. Peach harvest advanced across the South and reached into Georgia. Growers continued spraying and thinning fruit and nut trees.

Florida citrus groves rated good to excellent with moisture adequate in most areas. Drier areas were irrigated. The Valencia harvest continued active, while the grapefruit harvest neared completion. Arizona growers harvested Valencias and grapefruit. California growers harvested Valencias while the Navel orange harvest neared completion. Almond and walnut development was reported very good in California.

VEGETABLES: Growers in northern production areas continued to plant a wide variety of vegetables and were harvesting early vegetables. Florida vegetable shipments increased 44% from the previous week, although shipments of snap beans, eggplant, lettuce and squash declined. Supplies of chinese cabbage, okra, potatoes, watermelons, and tomatoes increased considerably. Rain delayed activities in many parts of Texas. California growers harvested asparagus, carrots, cauliflower, celery, sweet corn, potatoes, tomatoes, and strawberries.

PASTURE AND LIVESTOCK: Pastures generally rated fair to good, although cool temperatures limited growth in many areas. In the northern Plains, conditions have deteriorated due to dryness, and supplemental feeding was necessary. Livestock continued to be moved to summer pastures.

Weather Data for the Week Ending May 18, 1980

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
														Temperature °F		Precipitation	
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	90 and above	32 and below	.01 inch or more	.50 inch or more
AL BIRMINGHAM	79	65	84	60	72	2	3.8	3.0	2.3	27.2	216	88	65	0	0	3	2
AL MOBILE	80	68	86	66	74	0	9.9	8.9	4.6	38.2	255	93	72	0	0	6	4
AL MONTGOMERY	79	66	85	62	73	0	2.3	1.5	1.3	18.3	150	91	70	0	0	4	2
AK ANCHORAGE	52	39	56	33	46	0	0.1	0.0	0.1	0.6	55	69	50	0	0	2	0
AK BARROW	25	16	28	13	21	2	T	0.0	T	0.0	0	86	78	0	6	1	0
AK FAIRBANKS	65	37	72	29	51	4	0.0	-0.1	0.0	0.2	12	47	22	0	1	0	0
AK KODIAK	47	41	48	34	43	0	2.2	1.2	0.5	10.0	100	86	78	0	0	7	1
AK NOME	52	37	62	32	44	9	0.5	0.4	0.4	1.8	100	77	61	0	1	2	0
AZ FLAGSTAFF	58	31	64	26	44	-6	0.7	0.6	0.5	7.2	206	82	39	0	5	4	0
AZ PHOENIX	87	62	96	54	74	-2	0.2	0.2	0.2	1.2	100	46	17	2	0	1	0
AZ TUCSON	83	55	91	50	69	--	0.0	0.0	0.0	1.3	130	39	12	1	0	0	0
AZ WINSLOW	71	42	75	34	57	-6	T	-0.1	T	1.2	109	--	--	0	0	1	0
AZ YUMA	92	67	100	61	79	0	0.0	0.0	0.0	0.8	160	43	19	4	0	0	0
AR FORT SMITH	76	59	83	55	68	-2	2.5	1.2	2.0	9.0	78	86	54	0	0	2	1
AR LITTLE ROCK	76	60	85	55	68	-1	2.8	1.6	1.8	15.4	118	86	60	0	0	3	2
CA BAKERSFIELD	80	56	93	53	68	-2	0.0	0.0	--	2.2	129	--	35	1	0	0	0
CA EUREKA	57	49	59	45	53	1	0.0	-0.5	0.0	11.2	124	90	68	0	0	0	0
CA FRESNO	83	53	96	47	68	0	0.0	-0.1	0.0	2.3	72	70	26	2	0	0	0
CA LOS ANGELES	66	54	68	52	60	-5	0.0	0.0	0.0	2.4	69	88	63	0	0	0	0
CA RED BLUFF	82	52	95	48	67	0	0.1	-0.1	0.1	4.2	87	72	27	2	0	1	0
CA SAN DIEGO	68	61	71	58	65	1	T	0.0	T	4.3	172	78	64	0	0	0	0
CA SAN FRANCISCO	64	48	73	47	56	-2	T	-0.1	T	3.3	77	87	54	0	0	1	0
CA STOCKTON	84	52	96	49	68	3	0.0	-0.1	--	2.1	60	83	33	2	0	0	0
CO DENVER	57	41	62	39	49	-8	1.5	0.9	0.6	6.5	138	77	51	0	0	5	2
CO GRAND JUNCTION	65	41	72	35	53	-9	0.5	0.4	0.2	3.6	212	83	40	0	0	2	0
CO PUEBLO	61	40	68	35	51	-10	1.5	1.1	1.0	6.4	221	95	48	0	0	6	1
CT BRIDGEPORT	68	52	72	45	60	1	1.2	0.4	0.6	16.0	182	76	51	0	0	3	0
CT HARTFORD	71	49	77	40	60	2	0.3	-0.5	0.1	12.6	135	86	47	0	0	2	0
DC WASHINGTON	80	61	90	52	70	4	1.0	0.2	1.0	9.5	117	91	44	1	0	3	1
FL APALACHICOLA	82	67	83	61	74	0	0.4	-0.2	0.4	11.9	123	99	71	0	0	1	0
FL DAYTONA BEACH	86	67	89	58	77	2	0.3	-0.2	0.2	6.3	93	94	57	0	0	3	0
FL FORT MYERS	91	69	96	62	80	2	0.0	-0.8	0.0	2.4	36	100	52	7	0	0	0
FL JACKSONVILLE	88	69	91	60	78	4	1.1	0.4	1.1	13.2	163	95	57	3	0	2	1
FL KEY WEST	87	79	89	77	83	2	0.0	-0.5	0.0	4.0	78	81	62	0	0	0	0
FL MIAMI	85	76	86	72	81	3	T	-1.3	T	8.9	101	86	66	0	0	1	0
FL ORLANDO	90	68	93	60	79	3	1.4	0.8	1.2	9.3	126	98	52	5	0	3	1
FL TALLAHASSEE	85	63	88	59	74	0	0.4	-0.5	0.2	18.3	158	94	57	0	0	3	0
FL TAMPA	88	71	90	63	80	2	0.0	-0.5	0.0	8.3	119	95	54	3	0	0	0
FL WEST PALM BEACH	87	71	88	65	79	1	T	-1.1	T	5.0	54	86	61	0	0	1	0
GA ATLANTA	79	65	88	62	72	3	1.1	0.3	0.7	14.4	118	93	62	0	0	2	1
GA AUGUSTA	85	64	91	61	74	3	0.1	-0.7	0.1	13.3	136	92	48	2	0	1	0
GA MACON	85	66	91	60	75	2	0.3	-0.5	0.3	15.0	142	90	52	1	0	3	0
GA SAVANNAH	85	68	90	65	76	3	1.8	0.9	1.7	13.6	149	90	53	2	0	3	1
HI HILO	--	--	--	--	77	4	2.0	-0.3	-0.3	60.0	188	--	--	0	0	0	0
HI HONOLULU	86	71	87	65	79	--	T	-0.2	0.0	3.9	76	90	55	0	0	1	0
HI KAHULUI	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
HI LIHUE	--	--	--	--	76	1	6.0	5.4	0.0	12.6	137	--	--	0	0	0	0
ID BOISE	69	43	77	38	56	-1	0.4	0.1	0.2	5.0	172	88	37	0	0	2	0
ID LEWISTON	67	45	73	39	56	-2	0.5	0.1	0.2	3.4	117	84	48	0	0	2	0
ID POCATELLO	60	38	68	33	49	-6	1.0	0.7	0.5	3.9	144	90	51	0	0	4	1
IL CAIRO	77	61	84	53	69	0	1.8	0.6	0.6	8.8	74	--	--	0	0	5	1
IL CHICAGO	61	45	68	41	53	-5	0.6	-0.2	0.3	6.0	71	93	56	0	0	5	0
IL MOLINE	67	48	74	34	57	-4	2.2	1.4	1.6	6.3	75	67	51	0	0	5	1
IL PEORIA	67	48	72	36	58	-3	1.3	0.5	0.6	6.9	73	81	56	0	0	3	2
IL ROCKFORD	64	46	71	38	55	-4	1.1	0.3	0.8	4.7	55	84	45	0	0	4	1
IL SPRINGFIELD	69	50	75	41	59	-4	0.6	-0.2	0.4	7.6	84	90	60	0	0	2	0
IN EVANSVILLE	73	55	82	44	64	-2	2.6	1.6	0.9	9.3	84	87	62	0	0	4	3
IN FORT WAYNE	65	47	76	38	56	-4	2.1	1.3	1.3	9.4	113	84	58	0	0	4	2
IN INDIANAPOLIS	71	53	82	43	62	0	1.4	0.5	0.6	7.9	81	84	54	0	0	4	1
IN SOUTH BEND	67	48	76	43	57	-1	1.2	0.5	0.6	8.6	100	95	60	0	0	6	1
IA BURLINGTON	67	49	74	39	58	-3	2.7	1.9	0.0	7.6	90	--	--	0	0	4	1
IA DES MOINES	66	48	76	39	57	-4	0.9	0.0	0.6	2.9	40	78	50	0	0	3	1
IA DUBUQUE	62	46	71	34	54	-4	1.5	0.4	0.9	4.7	49	80	43	0	0	5	1
IA SIOUX CITY	63	45	72	38	54	-7	1.3	0.5	0.6	3.7	67	83	61	0	0	6	1
KS CONCORDIA	64	48	73	40	56	-7	1.0	0.0	0.9	6.1	102	82	55	0	0	3	1
KS DODGE CITY	65	46	78	39	55	-9	1.5	0.8	1.2	6.5	138	89	54	0	0	3	1
KS GOODLAND	58	43	65	35	50	-8	2.3	1.7	1.4	8.1	219	83	54	0	0	3	2
KS TOPEKA	69	49	78	34	59	-5	0.4	-0.5	0.4	5.8	74	84	53	0	0	1	0
KS WICHITA	67	48	79	39	58	-8	1.5	0.7	1.5	6.8	100	85	46	0	0	2	1
KY LEXINGTON	73	55	84	41	64	-1	1.6	0.7	0.8	10.4	97	72	50	0	0	2	2
KY LOUISVILLE	74	57	87	45	65	1	2.6	1.6	1.2	9.8	87	79	56	0	0	4	2

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending May 18, 1980

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
														Temperature °F		Precipitation	
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	90 and above	32 and below	.01 inch or more	.50 inch or more
LA BATON ROUGE	83	69	92	64	76	1	5.2	4.2	2.8	28.8	227	94	66	1	0	4	2
LA LAKE CHARLES	82	67	87	65	75	-1	19.6	18.4	15.7	30.2	282	97	73	0	0	5	4
LA NEW ORLEANS	85	72	89	69	79	4	8.8	7.8	4.5	34.9	298	87	65	0	0	6	3
LA SHREVEPORT	83	66	90	63	75	1	3.4	2.2	2.0	12.8	104	75	63	1	0	4	3
ME CARIBOU	65	42	72	37	54	4	0.9	0.2	0.3	7.9	127	87	43	0	0	5	0
ME PORTLAND	68	44	79	39	56	3	0.2	-0.6	0.1	12.2	139	78	44	0	0	1	0
MD BALTIMORE	77	51	89	42	64	1	0.8	0.0	0.6	11.2	132	90	37	0	0	2	1
MA BOSTON	70	54	78	50	62	3	0.7	-0.1	0.5	11.1	121	73	46	0	0	4	0
MA CHATHAM	61	49	67	48	55	--	0.3	-0.5	0.2	9.7	105	76	66	0	0	3	0
MI ALPENA	57	39	64	32	48	-2	1.2	0.6	0.7	7.0	121	--	--	0	1	3	1
MI DETROIT	64	47	73	41	56	-2	1.9	1.2	1.3	10.2	136	88	56	0	0	4	2
MI FLINT	61	43	65	37	52	-4	2.1	1.4	1.1	7.6	113	87	53	0	0	4	2
MI GRAND RAPIDS	65	45	71	38	55	-2	2.4	1.7	1.2	7.8	103	89	55	0	0	2	2
MI HOUGHTON LAKE	60	40	66	32	50	-3	1.4	0.8	0.6	5.9	104	69	52	0	1	0	2
MI LANSING	69	46	102	35	57	0	1.4	0.6	0.8	5.9	83	90	58	1	0	5	1
MI MARQUETTE	61	36	70	31	48	-1	T	-0.6	0.0	5.2	88	83	37	0	2	0	0
MI MUSKEGON	60	43	67	38	51	-4	1.1	0.5	0.7	6.5	92	84	54	0	0	4	1
MI SAULT STE. MARIE	63	34	74	30	48	0	T	-0.7	T	4.9	88	85	38	0	4	1	0
MN DULUTH	61	37	77	29	49	0	T	-0.7	T	1.9	32	75	31	0	2	0	0
MN INT'L FALLS	64	36	81	28	50	0	T	-0.6	T	2.1	51	83	30	0	2	1	0
MN MINNEAPOLIS	63	42	68	31	53	-5	0.7	-0.1	0.6	2.5	46	78	38	0	1	4	1
MN ROCHESTER	62	40	68	33	51	-5	0.3	-0.5	0.1	2.6	44	88	54	0	0	4	0
MN SAINT CLOUD	66	37	77	28	51	-4	0.6	-0.2	0.5	2.3	42	91	--	0	2	3	0
MS JACKSON	82	67	88	61	75	2	3.2	2.2	2.0	32.4	253	91	63	0	0	4	2
MS MERIDAN	81	67	89	62	74	2	6.2	5.3	2.6	30.8	232	92	65	0	0	6	3
MO COLUMBIA	69	51	75	43	60	-4	1.1	0.0	0.6	6.5	71	85	57	0	0	4	1
MO KANSAS CITY	69	51	75	41	60	-4	1.6	0.7	0.9	6.4	78	84	59	0	0	3	2
MO SAINT LOUIS	72	54	78	46	63	-3	1.2	0.4	0.8	6.9	77	82	53	0	0	4	1
MO SPRINGFIELD	70	52	80	42	61	-4	1.8	0.7	0.8	8.7	86	90	54	0	0	4	2
MT BILLINGS	71	44	76	40	58	3	T	-0.4	T	4.0	111	64	25	0	0	0	0
MT GLASGOW	71	43	80	35	57	3	T	-0.3	T	0.7	41	59	24	0	0	0	0
MT GREAT FALLS	73	40	80	31	57	3	T	-0.5	T	1.8	55	52	15	0	1	0	0
MT HAVRE	75	41	83	37	58	3	T	-0.3	T	1.9	86	56	19	0	0	0	0
MT HELENA	70	40	75	34	55	2	0.1	-0.3	0.1	3.7	161	83	24	0	0	1	0
MT KALISPELL	70	38	76	34	54	3	0.0	-0.4	0.0	3.0	111	87	32	0	0	0	0
MT MILES CITY	71	43	80	36	57	0	T	-0.4	T	1.0	34	53	21	0	0	0	0
MT MISSOULA	68	40	74	35	54	1	1.1	0.7	0.8	5.5	220	88	44	0	0	3	1
NE GRAND ISLAND	64	46	73	39	55	-6	1.1	0.3	0.9	5.2	91	80	52	0	0	4	1
NE LINCOLN	66	48	77	40	57	-5	1.2	0.5	0.9	5.0	88	84	55	0	0	4	1
NE NORFOLK	62	45	71	39	53	-7	1.2	0.4	0.6	3.3	61	86	59	0	0	6	1
NE NORTH PLATTE	62	47	71	39	55	-4	1.4	0.7	0.8	4.9	104	79	47	0	0	5	1
NE OMAHA	56	46	76	39	51	--	0.8	-0.1	0.6	3.7	57	79	64	0	0	3	1
NE VALENTINE	60	36	70	15	48	-9	0.5	-0.1	0.3	2.6	67	87	46	0	2	2	0
NV ELY	59	32	70	27	46	-5	0.2	0.0	0.1	4.2	183	88	39	0	4	4	0
NV LAS VEGAS	81	57	89	50	69	-4	0.1	0.1	0.1	1.2	150	54	19	0	0	1	0
NV RENO	69	39	80	35	54	-1	0.5	0.3	0.5	1.8	138	83	27	0	0	2	0
NV WINNEMUCCA	67	40	79	32	54	0	0.3	0.1	0.3	2.4	141	80	30	0	1	3	0
NH CONCORD	72	44	81	32	58	3	0.2	-0.5	0.1	8.0	113	78	32	0	2	2	0
NJ ATLANTIC CITY	74	51	85	39	62	0	0.8	0.0	0.8	12.8	132	91	46	0	0	1	1
NJ TRENTON	73	56	83	48	64	2	1.0	0.2	0.3	12.9	147	--	--	0	0	4	0
NM ALBUQUERQUE	71	41	79	34	56	-9	0.5	0.4	0.2	1.8	164	62	28	0	0	2	0
NM ROSWELL	77	50	87	43	63	-5	0.3	0.1	0.3	1.8	129	--	--	0	0	3	0
NY ALBANY	69	46	78	33	57	0	0.6	-0.2	0.3	8.6	123	84	50	0	0	4	0
NY BINGHAMTON	65	46	73	38	55	0	0.8	-0.1	0.6	12.7	159	81	47	0	0	4	1
NY BUFFALO	64	46	75	39	55	0	1.3	0.6	0.6	8.0	104	87	36	0	0	5	1
NY NEW YORK	71	56	81	51	64	2	0.6	-0.2	0.3	16.5	177	76	47	0	0	3	0
NY ROCHESTER	66	45	77	38	55	-1	0.9	0.3	0.4	7.1	106	87	48	0	0	5	0
NY SYRACUSE	68	46	79	37	57	0	0.9	0.3	0.5	8.8	114	85	46	0	0	4	0
NC ASHEVILLE	76	58	88	55	67	4	2.6	1.9	2.6	15.4	156	85	55	0	0	1	1
NC CHARLOTTE	80	61	88	58	70	2	1.3	0.7	0.9	11.6	125	72	48	0	0	3	1
NC GREENSBORO	79	57	88	47	68	1	0.8	0.1	0.5	8.7	106	75	45	0	0	3	1
NC HATTERAS	75	65	79	60	70	3	0.4	-0.3	0.4	11.3	135	82	62	0	0	2	0
NC RALEIGH	83	60	91	51	72	4	1.5	0.7	1.1	8.0	96	89	55	1	0	4	1
NC WILMINGTON	81	63	88	52	72	1	0.6	-0.3	0.3	8.7	98	85	51	0	0	3	0
ND BISMARCK	69	38	80	27	54	-1	0.0	-0.5	0.0	0.7	21	65	19	0	2	0	0
ND FARGO	68	36	83	28	52	-3	0.0	-0.5	0.0	0.6	14	72	25	0	3	0	0
ND WILLISTON	72	33	83	22	53	-2	T	-0.3	T	0.5	19	73	22	0	3	1	0
OH AKRON-CANTON	67	48	80	39	58	-1	2.0	1.1	0.8	10.5	121	69	55	0	0	4	2
OH CINCINNATI	72	55	84	42	64	1	3.4	2.6	1.7	11.4	121	81	53	0	0	3	3
OH CLEVELAND	65	45	78	36	55	-3	1.2	0.4	0.6	8.0	95	89	55	0	0	4	3
OH COLUMBUS	71	52	81	41	61	0	3.1	2.2	1.8	8.9	97	82	53	0	0	4	2
OH DAYTON	70	50	81	42	60	-1	2.8	2.0	1.4	11.4	133	78	57	0	0	4	2
OH TOLEDO	65	47	78	38	56	-2	1.8	1.0	1.4	9.0	125	96	56	0	0	4	1
OH YOUNGSTOWN	65	44	78	33	55	-3	1.4	0.5	0.6	9.2	102	85	56	0	0	4	1

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending May 18, 1980

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
														Temperature °F		Precipitation	
	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 March 3	Pct. normal since March 3	Average maximum	Average minimum	90 and above	32 and below	.01 inch or more	.50 inch or more
OK OKLAHOMA CITY	76	55	88	51	66	-2	4.3	3.1	2.7	8.2	98	80	38	0	0	3	3
OK TULSA	77	58	89	52	67	-1	2.3	1.2	1.4	13.8	147	80	46	0	0	3	2
OR ASTORIA	60	44	64	38	52	0	0.1	-0.5	0.1	11.8	95	90	63	0	0	1	0
OR BURNS	66	35	74	30	50	-2	0.1	0.1	0.1	1.7	89	87	29	0	2	2	0
OR MEDFORD	71	42	82	34	57	-1	0.0	-0.4	0.0	3.4	100	90	35	0	0	0	0
OR PENDLETON	67	44	75	42	56	-3	0.1	0.2	0.1	3.3	122	--	43	0	0	1	0
OR PORTLAND	67	49	77	42	58	1	0.1	-0.4	0.1	6.2	91	76	47	0	0	2	0
OR SALEM	66	43	74	32	55	-1	0.3	-0.2	0.3	7.8	103	90	53	0	1	1	0
PA ALLENTOWN	72	51	81	42	62	2	1.9	1.1	1.4	11.7	126	88	40	0	0	2	1
PA ERIE	62	45	71	32	54	-2	1.0	0.2	0.3	9.1	112	--	--	0	1	4	0
PA HARRISBURG	72	50	83	43	61	-1	2.2	1.3	1.6	12.3	150	89	49	0	0	5	1
PA PHILADELPHIA	75	55	86	48	65	2	1.3	0.5	0.6	13.7	156	87	46	0	0	3	2
PA PITTSBURGH	66	47	78	37	57	-3	2.7	1.9	1.9	11.7	133	83	52	0	0	4	1
PA SCRANTON	70	49	79	38	59	0	0.6	-0.2	0.4	7.1	95	88	42	0	0	3	0
RI PROVIDENCE	74	52	78	50	63	6	0.3	-0.5	0.1	15.2	162	84	45	0	0	4	0
SC CHARLESTON	82	66	90	63	74	2	2.3	1.5	1.1	14.1	153	98	59	1	0	3	2
SC COLUMBIA	82	63	90	59	72	0	0.1	-0.7	0.1	12.9	130	88	51	1	0	1	0
SC GREENVILLE	78	60	88	56	69	0	2.3	1.7	2.0	16.9	151	83	52	0	0	2	1
SD ABERDEEN	67	38	80	29	52	-4	T	-0.6	T	2.2	52	70	27	0	1	0	0
SD HURON	67	42	78	35	54	-3	0.2	-0.4	0.2	2.1	48	85	38	0	0	1	0
SD RAPID CITY	61	40	71	33	50	-5	0.6	0.0	0.3	2.9	63	86	51	0	0	4	0
SD SIOUX FALLS	62	41	70	34	51	-6	0.6	-0.1	0.2	2.0	37	81	48	0	0	5	0
TN CHATTANOOGA	77	61	85	56	69	1	1.8	1.0	1.5	22.8	193	84	58	0	0	2	1
TN KNOXVILLE	80	62	88	55	71	2	1.7	1.0	1.6	13.6	135	84	56	0	0	2	1
TN MEMPHIS	80	65	87	58	72	2	2.3	1.3	1.5	20.5	156	78	55	0	0	4	2
TN NASHVILLE	77	59	85	49	68	0	4.0	3.1	3.3	14.5	128	83	55	0	0	4	2
TX ABILENE	79	59	90	54	69	-3	1.3	0.4	1.2	3.9	68	84	40	1	0	4	1
TX AMARILLO	68	44	77	42	56	-10	2.0	1.4	1.6	4.7	138	78	38	0	0	3	1
TX AUSTIN	81	65	87	62	73	-2	2.9	2.0	1.2	10.6	138	98	64	0	0	6	2
TX BEAUMONT	83	68	86	64	76	--	6.1	5.0	5.2	14.5	148	90	65	0	0	6	1
TX BROWNSVILLE	91	77	94	73	84	5	0.7	0.1	0.7	0.8	25	88	59	6	0	2	1
TX CORPUS CHRISTI	85	72	92	67	79	1	0.8	0.1	0.5	1.7	34	92	66	1	0	3	1
TX DEL RIO	86	67	97	62	76	-2	0.3	-0.3	0.1	4.2	117	94	47	4	0	3	0
TX EL PASO	83	50	89	43	67	-5	0.0	-0.1	0.0	0.6	60	54	13	0	0	0	0
TX FORT WORTH	83	62	88	56	72	0	1.8	0.8	1.3	6.3	66	89	52	0	0	4	1
TX GALVESTON	79	70	80	67	75	-1	2.7	2.0	2.0	9.1	134	95	81	0	0	5	2
TX HOUSTON	85	66	88	60	75	0	2.9	1.7	0.8	11.9	132	96	61	0	0	7	4
TX LUBBOCK	72	52	85	46	62	-6	2.8	2.0	2.2	4.5	122	70	39	0	0	2	2
TX MIDLAND	76	53	86	46	65	-8	0.8	0.3	0.5	2.6	108	71	38	0	0	2	0
TX SAN ANGELO	79	58	88	52	69	-6	3.3	2.7	2.1	5.2	130	90	46	0	0	5	1
TX SAN ANTONIO	83	66	88	63	75	-1	4.6	3.9	1.3	8.5	144	93	57	0	0	6	5
TX VICTORIA	84	68	94	62	76	-1	4.9	4.0	3.7	8.7	132	91	67	1	0	6	2
TX WACO	80	63	86	59	72	-3	2.5	1.4	1.8	10.5	114	96	61	0	0	4	2
TX WICHITA FALLS	79	55	91	47	67	-4	3.0	1.9	1.7	5.0	64	89	51	1	0	2	2
UT BLANDING	64	38	71	33	51	-6	0.1	0.0	0.1	2.9	145	87	27	0	0	4	0
UT SALT LAKE CITY	63	41	69	39	52	-6	0.8	0.4	0.3	5.3	113	90	46	0	0	4	0
VT BURLINGTON	69	45	76	39	57	2	0.2	-0.5	0.1	5.9	98	83	45	0	0	3	0
VA LYNCHBURG	77	56	87	45	66	1	1.5	0.8	1.0	10.5	135	79	--	0	0	3	1
VA NORFOLK	78	58	90	47	68	2	0.6	-0.2	0.6	7.2	94	80	47	1	0	2	1
VA RICHMOND	80	56	89	46	68	2	0.4	-0.4	0.3	9.3	116	85	45	0	0	1	0
VA ROANOKE	76	55	89	41	66	1	1.0	0.2	0.4	11.1	139	78	44	0	0	2	0
WA COLEVILLE	66	46	73	40	56	--	0.7	0.3	0.6	5.7	204	--	--	0	0	3	1
WA OMAK	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
WA QUILLAYUTE	61	41	67	35	51	0	0.2	-0.8	0.1	19.4	91	96	57	0	0	2	0
WA SEATTLE-TACOMA	62	47	70	44	55	0	T	-0.4	T	5.4	79	81	45	0	0	1	0
WA SPOKANE	64	44	71	41	54	-1	0.4	0.0	0.4	2.8	78	89	53	0	0	3	0
WA WALLA-WALLA	68	52	74	46	60	--	T	-0.4	T	3.0	77	76	43	0	0	2	0
WA YAKIMA	70	45	77	36	57	-1	0.1	0.0	0.1	1.5	136	72	40	0	0	1	0
WV BECKLEY	70	50	80	35	60	2	0.9	0.1	0.6	8.8	94	82	45	0	0	2	1
WV CHARLESTON	75	51	84	40	63	-1	1.0	0.2	0.8	10.8	117	85	45	0	0	2	1
WV HUNTINGTON	75	56	86	40	66	1	0.6	-0.3	0.3	8.7	93	82	50	0	0	1	0
WV PARKERSBURG	73	54	84	43	64	0	0.5	-0.3	0.3	7.3	81	83	47	0	0	3	0
WI GREEN BAY	61	42	67	37	51	-3	0.6	-0.1	0.3	4.7	77	73	49	0	0	3	0
WI LA CROSSE	62	43	70	36	52	-7	0.1	-0.7	0.1	2.7	41	88	58	0	0	4	0
WI MADISON	58	39	66	33	48	-8	1.1	0.3	0.5	4.3	67	87	59	0	0	5	1
WI MILWAUKEE	56	44	62	38	50	-4	1.3	0.7	0.1	6.2	97	89	57	0	0	3	0
WY CASPER	57	34	67	28	45	-7	0.6	0.1	0.7	3.8	106	90	45	0	4	1	1
WY CHEYENNE	51	36	60	33	44	-8	1.3	0.7	0.4	4.8	117	88	60	0	0	7	0
WY LANDER	56	37	62	28	46	-6	1.3	0.7	0.5	6.6	129	87	49	0	3	4	1
WY SHERIDAN	64	37	67	33	51	-3	T	-0.5	T	3.3	70	85	37	0	0	0	0
PR SAN JUAN	87	76	90	73	82	3	0.8	-0.7	0.4	5.0	58	90	63	1	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 2° above normal. Thundershowers almost daily.

Fieldwork: 4.3 days suitable. Soil moisture adequate. Planting progress: Corn 92%, 91% 1979, 87% average; soybeans 25%, 36% 1979, 32% average; cotton 90%, 94% 1979, 90% average; peanuts 83%, 90% 1979, 78% average; sorghum 22%, 27% 1979. Wheat mostly good; 99% heading, 97% 1979, average; 37% turning, 51% 1979. Plowing 90% complete. Pastures mostly good.

ALASKA: Dry windy weather persisted through week Tanana, Matunuska Valley causing heavy wind erosion few farms. Farmers generally on schedule throughout railbelt. Small grain seeding progressed, some farmers finished. Seeding in few areas slightly ahead of last year's pace. Planting of potatoes, other vegetables made headway, ranged 5 to 50% done. Hay supplies running short Tanana Valley. Livestock good condition. Topsoil moisture mostly short to adequate. Subsoil moisture short to mostly adequate. Tanana Valley temperatures 6% above normal, seasonal rainfall far below normal. Matanuska Valley temperatures near average. Seasonal rainfall below normal. Kenai Peninsula, northern Peninsula partly sunny, mild with only slight rainfall. Southern Peninsula cool and mostly cloudy. Seasonal rainfall below normal over north, above normal south. Kodiak Island cloudy, cool, wet week with temperatures near normal. Rainfall heavy. Seasonal rainfall near twice normal amount.

ARIZONA: Temperatures averaged 2 to 10° below normal. Precipitation 0.25 to 0.75 in.

Small grain harvest in progress. Cotton 97% planted, same last year. Corn 75% planted. Sorghum planting continues. Sugarbeet harvest begun. Third cutting alfalfa continues, quality good. Lettuce harvest began Willcox area. Potato harvest gaining momentum. Harvest dry onions underway. Harvest other late spring vegetables, carrots, cabbage, green onions, active. Grapes good growth, harvest expected month's end. Deciduous fruit sizing well. Harvest Valencia oranges, grapefruit active. Citrus groves good condition. Range, pastures reported mostly fair to poor condition. Cattle fair to good condition.

ARKANSAS: Temperatures 2 to 6° above normal. Extremes: 88 and 45°. Rainfall 1.38 to 6.70 in.

Fieldwork: 3.0 days suitable. Soil moisture short north, surplus south. Soybean seeding 11%, 10% 1979, 16% average. Rice plantings 85%, 72% 1979, 85% average. Cotton plantings 90%, 81% 1979, 77% average. Corn planting 76%, 57% 1979, 78% average. Sorghum plantings 71%, 56% 1979, 68% average. Wheat, oats good condition. Apples and peaches good condition. Strawberry harvest widespread, good quality and yields. Tomato growth, fruit set hampered by rains. Pastures average. Cutting hay continued. Cattle condition good.

CALIFORNIA: Temperatures averaged up to 9° below normal.

Cool weather slowed crops. Cotton planting virtually complete. Most fields good stands. Rice 82% planted, same as year earlier. Wheat harvest begun. Hay harvest slowed by weather. Sugarbeet harvest continues. Planting sunflowers, dry beans, field corn. Avocado quality good. Cherry harvest continues. Grapes good. First harvest early peaches. Citrus bloom complete. Navel orange harvest winding down. Valencia orange harvest active. Almonds progressing well. Nut size good. Late variety walnuts good set. Artichoke volume slowing rapidly. Asparagus diversion to processors increasing. Broccoli fairly heavy. New crop carrots started. Cauliflower moderate supply. Celery harvest active. Sweet corn volume increasing. Potato harvest increasing. Strawberry harvest active with heavier diversion to freezers expected next week. Tomato growth held back by cool nights. Livestock picking up good weight, ample range grasses. Livestock movement to summer ranges active. Stock water supplies excellent. Bee colonies moving from citrus to other feeding areas.

COLORADO: Cool, wet, and rainy weather with snow in mountains prevailed. Average temperatures 2 to 7° below normal.

Winter wheat very good condition. Winter wheat jointed 63%, 66% 1979, 64% average. Barley seeded 89%, 89% 1979, 93% average. Oats seeded 77%, 80% 1979. Corn seeded 54%, 72% 1979, 82% average. Sugarbeets 88%, 98% 1979, 99% average. Seeding sorghum and dry beans getting late start. Fieldwork: 2.5 days suitable. Ranges, pastures good condition. Livestock good condition.

FLORIDA: Rainfall 0.50 in. or less south, 2.00 to 4.00 in. north. Temperatures averaged near normal.

Soil moisture mostly adequate Panhandle, adequate to short Peninsula. Corn, tobacco fair to good condition. Peanut planting about completed; growth slow on early plantings. Soybean planting active. Sugarcane good condition. Small grains about ready for harvest to begin. Peach and nectarine harvest continues. Pastures mostly good to excellent except poor to fair central areas. Cattle good condition. Citrus grove condition good to excellent. Moisture adequate to short. Irrigation active drier areas. Valencia harvest continues active. Grapefruit harvest almost complete. Vegetable crops good to very good condition. Near ideal weather improved quality, size. Fruit set good, fruit sizing well. Overall vegetable shipments up 44% from previous week. Supplies chinese cabbage, okra, potatoes, watermelons, tomatoes increased considerably; cucumbers, escarole, parsley, peppers also increased. Cabbage, carrots, celery, sweet corn, radishes held steady but shipments snap beans, eggplant, lettuce, squash decreased. Potato volume increasing rapidly Hastings area. Quality mostly good. Harvest complete all other areas except Panhandle. Watermelon harvest increasing southwest area. Vines older acreage not holding up after first cuttings. Quality good. Size variable, mostly 20 to 24 pounds followed by 25 to 29 pounds, few large, 30 pounds and up. Light harvest underway west central area. Hail damaged acreage putting on new growth, setting fruit.

GEORGIA: Temperatures averaged near normal. Rainfall sparse over north, averaged 0.25 to 0.50 in. elsewhere.

Soil moisture adequate south, short to very short elsewhere. Fieldwork 5.0 days suitable. Corn fair to good. Tobacco mostly fair to good condition. Blue mold still troublesome but

lessening. Peanuts fair to mostly good, obtaining good stands and weed control. Soybeans 27% planted, last year 45%, average 36%, fair to mostly good. Cotton fair to good. Hay crops fair to mostly good. Peaches fair to mostly good, harvest began south. Apples good. Cool nights slowing vegetable and melon growth. Pastures fair to mostly good. Cattle and hogs good.

HAWAII: Weather favorable. Temperatures rising. Crops making fair to good progress. Vegetable supplies adequate. Tomato fields on Island of Hawaii active harvest. Banana supplies light. Papayas heavy production some fields. Moisture level adequate. Pineapple harvesting continues. Sugar harvesting in full swing with drier weather. Pastures generally fair to good.

IDAHO: Precipitation below normal north, above normal elsewhere. Temperatures averaged 6° above to 7° below normal. Extremes: 79 and 20°.

Spring wheat 100% planted, 92% 1979, 86% average. Spring barley 100% planted, 84% 1979, 80% average. Potatoes 70% planted, 58% 1979, 61% average. Sugarbeets 100% planted, 96% 1979, 95% average. Corn 60% planted, 64% 1979, 53% average. Lentils 100% planted, 66% 1979, 70% average. Dry peas 100% planted, 74% 1979, 82% average. Dry beans 8% planted, 3% 1979, 10% average. Limited fieldwork. Crops show good growth, emergence. Winter wheat 70% jointed, 22% in boot. Range and pasture very good.

ILLINOIS: Temperatures 1 to 5° below normal. Precipitation 0.60 to over 2.00 in.

Soil moisture short to adequate. Corn planting 94% complete, 64% 1979, 72% average. Soybean planting 51% complete, 17% 1979, 31% average. Winter wheat mostly good, 28% headed, 30% 1979, 53% average. Alfalfa good. Pastures good. Fieldwork: 5.3 days suitable.

INDIANA: Temperature extremes 33 to 82°, slightly below normal. Rainfall 0.80 to 3.30 in.

Fieldwork: 5.0 days suitable. Moisture supplies adequate. Corn 90% planted, 1979 55%, average 60%. Corn 45% emerged, 1979 20%, average 35%. Soybeans 30% planted, 1979 15%, average 25%. Soybeans 5% emerged, 1979 5%, average 5%. Wheat condition good. Wheat 15 in. high, 1979 16 in. Wheat 70% jointed, 1979 80%. Wheat 10% in boot or later stages. Oats 5 in. high, 1979 5 in., average 6 in. Alfalfa hay 5% cut, 1979 5%, average 10%.

IOWA: Cool with near normal rainfall.

Fieldwork: 6.0 days suitable. Corn 96% planted, 1979 68%, normal 80%. Corn 54% emerged, 1979 6%. Soybeans 29% planted, 1979 12%, normal 35%. Oats 98% emerged, 1979 81%. Topsoil moisture mostly short. Subsoil moisture mostly adequate. Cover crops fair condition, some improvement. Livestock good condition.

KANSAS: Precipitation ranged 0.25 in. to 2.00 in. Temperatures ranged 2° below normal southeast to 10° below normal southwest.

Corn planting 65% complete, last year 50%, average 65%. Sorgum planted 10%, last year 10%, average 10%. Soybeans planted 10%, last year 5%, average 10%. Alfalfa first cut 10%, last year 15%, average 15%. Fieldwork: 5.5 days suitable. Wheat 90% jointing, last year 90%, average 96%. Wheat 20% heading, last year 25%, average 55%.

KENTUCKY: Precipitation averaged 1 to 2 in. Temperatures were 1 to 2° above normal.

Fieldwork: 5.1 days suitable. Corn 82% planted, 54% last year, 64% average. Soybeans 22% planted, 13% last year, 16% average. Tobacco beds fair condition. Plant size: Less than 2 in. 60%, 2 to 4 in. 30%, 4 in. or larger 10%. Many plants late and shortages could occur. First setting expected this week. Small grain prospects good, some lodging from rain and wind. Fruit prospects mostly good, dry weather reduced size some strawberries.

LOUISIANA: Rains widespread. Heaviest 19.46 in. Flooding south. Temperatures normal to 2° above. Extremes: 60 and 92°.

Soil moisture surplus. Fieldwork: 3.6 days suitable. Corn planted 96%, 97% 1979, 91% average. Corn emerged 92%, 94% 1979. Cotton planted 65%, 76% 1979, 70% average. Cotton emerged 42%, 48% 1979. Rice planted 91%, 92% 1979, 96% average. Rice emerged 84%, 90% 1979. Rice condition fair to good, heavy flooding fields southwest. Sorghum planted 38%, 34% 1979, 38% average. Sorghum emerged 25%. Soybeans planted 17%, 27% 1979, 29% average. Soybeans emerged 8%, 11% 1979. Flooding caused loss or replanting some areas. Sugarcane good. Small grains good. Most headed, 54% turning color, 76% 1979. Pastures good. Haying underway. Livestock good.

MARYLAND & DELAWARE: Temperatures averaged near normal. Precipitation very light, averaging 0.37 in.

Plowing for corn virtually completed. Corn planting 60%, 80% last year, 70% normal. Soybean planting 10%, slightly ahead of normal and a year ago. All small grains except oats headed out. First cutting of alfalfa and clover hay underway. Peaches and apples have good fruit sets.

MICHIGAN: Temperatures averaged 1° above to 4° below normal. Upper Peninsula received litte precipitation. Precipitation Lower Peninsula ranged from 0.50 to 2.00 in.

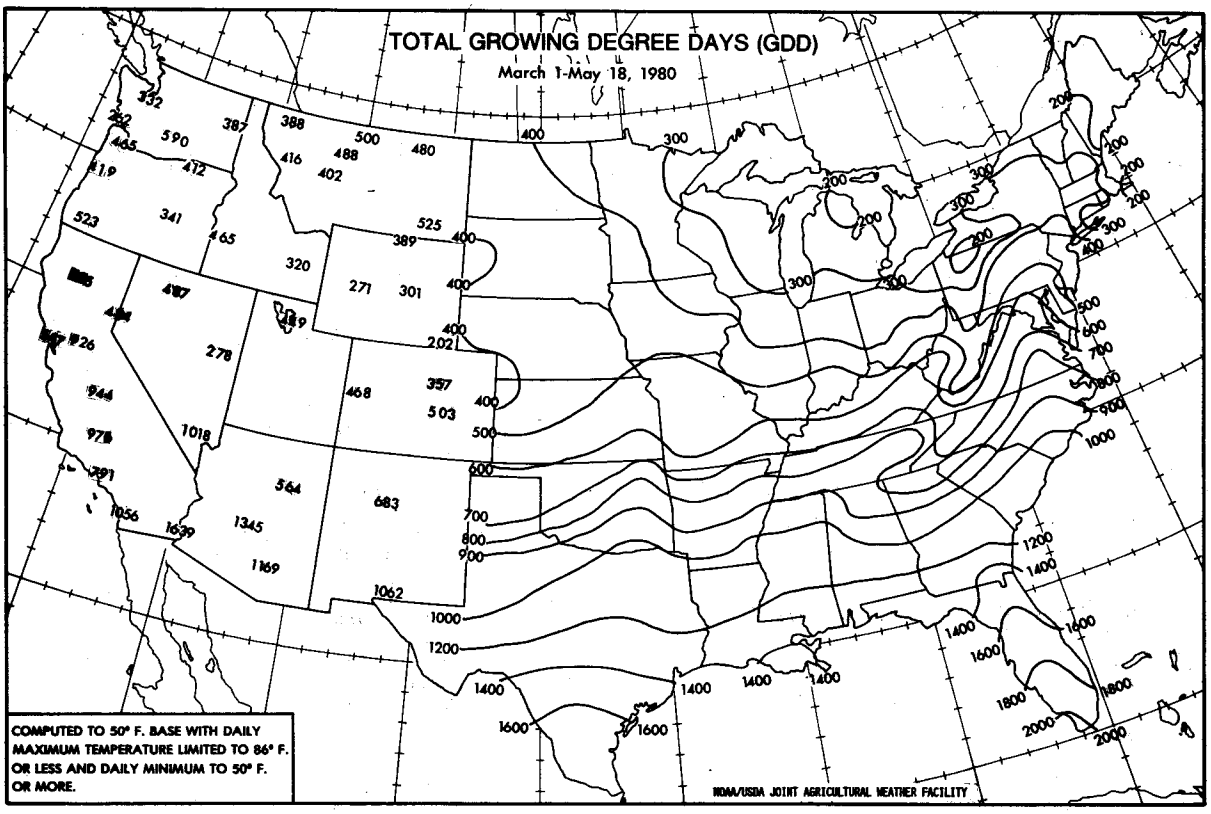
Plowing 90% complete, 85% last year, 90% normal. Corn 60% planted, 50% last year, 55% normal. Oats 90% seeded, 85% last year, 90% normal. Sugarbeets 98% planted, 90% last year, 92% normal. Potatoes 60% planted, same last year and normal. Soybeans 10% planted, 15% last year and normal. Asparagus 25% picked. Most fruit trees in or past bloom.

MINNESOTA: Temperatures averaged 1 to 3° below normal north, 4 to 5° below normal elsewhere. Extremes: 85 and 25°. Precipitation 0.25 to 0.50 in. below normal. Amounts ranged from zero to 1.02 in.

Dry topsoils still hinder germination, emergence, and growth. Showers helped germination, activation herbicides. Crop growth slow and many uneven stands. Small grains, sugarbeets essentially planted. Ground prepared: Corn 97%, 1979 50%, normal 79%; soybeans 83%, 1979 17%, normal 53%. Planted: Corn 91%, 1979 29%, normal 64%; soybeans 53%, 1979 4%, normal 34%; spring wheat 99%, 1979 38%, normal 76%; oats 99%, 1979 55%, normal 81%; barley 99%, 1979 20%, normal 67%; flax 65%, 1979 11%, normal 46%; sunflowers 64%, 1979 2%, normal 34%; potatoes 71%, 1979 6%, normal 48%. Jointing: Winter wheat 12%, 1979 0%, normal 7%; rye 16%, 1979 0%, normal 4%.

MISSISSIPPI: Temperatures 3° above normal. Extremes: 49 to 90°. Heavy rains caused flash flooding south.

Soil moisture mostly adequate north, surplus remainder. Fieldwork: 3.7 days suitable. Wheat rust becoming problem. Sorghum 33% planted, 29% 1979, 32% average. Sweetpotatoes 25% planted, 36% 1979, 41% average. Peanuts 91% planted, 31% 1979. Watermelons 91% planted, 94% 1979. Soybeans 21% planted, 15% 1979, 21% average; 6% up to stand, 5% 1979. Rice 89% planted, 67% 1979, 78% average; 67%



up to stand, 47% 1979, 59% average. Wheat 11% ripe, 21% 1979; 2% harvested, 1% 1979; good to fair condition. Cotton 88% planted, 80% 1979, 76% average; 54% up to stand, 42% 1979, 48% average. Corn 92% planted, 84% 1979, 82% average; 71% up to stand, 63% 1979; condition good to fair. Peaches mostly fair condition. Pasture good to fair condition.

MISSOURI: Temperatures averaged 4° below normal. Precipitation averaged 1.00 to 1.50 in.

Fieldwork: 4.1 days suitable. Plowing 93% complete, normal 81%. Corn 85% planted, last year 53%, normal 68%. Grain sorghum 42% planted, last year 17%, normal 32%. Soybeans 28% planted, last year 9%, normal 27%. Cotton 97% planted, last year 73%, normal 88%. Wheat 34% headed, last year 35%, normal 71%. Alfalfa hay 16% harvested, last year 9%, normal 18%. Winter wheat and pasture mostly fair to good. Topsoil moisture mostly short to adequate. Fuel supplies adequate.

MONTANA: Continued very dry northwest and southeast. Scattered light rain fell over central area. Southwest again received moderate to heavy precipitation. Temperatures near normal.

Moisture supplies mostly short to critical east, fair to adequate west and southwest. Fieldwork: 6.0 days suitable. Winter wheat condition fair. Spring wheat 90% planted, 40% 1979, 60% average. Barley 90% planted, 45% 1979, 60% average. Oats 90% planted, 40% 1979, 60% average. Potatoes 50% planted, 40% 1979, 40% average. Corn 65% planted, 35% 1979, 45% average. Dry beans 55% planted, 20% 1979, 50% average. About 65% spring wheat and barley emerged. Winter wheat 15% in boot. Hay, range growth average west, slow east. About 60% of cattle, sheep moved to summer pastures. Volcanic ash fallout 19th, mostly west.

NEBRASKA: Precipitation 0.50 to 1.50 in. Temperatures below normal 3 to 7°.

Winter wheat condition mostly good; jointing 75%, 50% last year. Corn planting 85%, 55% last year, 70% normal. Corn 30% emerged, 10% last year. Sorghum planting 20%, 10% last year, 20% normal. Soybean planting 20%, 10% last year, 20% normal. Topsoil moisture short to adequate. Subsoil moisture adequate. Fieldwork: 5.2 days suitable.

NEVADA: Precipitation all areas. Temperatures 5° below normal. Extremes: 89 and 26°.

Inclement weather not favorable crop growth and development. Ranges benefited from widespread rains, good to excellent condition.

NEW ENGLAND: Precipitation 0.75 in. Temperatures normal. Extremes: 40's and 70's.

Fieldwork: 4.0 days suitable. Potato acreage over 50% planted in south, just starting north. Field corn 33% planted south, 20% central. Apple orchards at full bloom southern regions, near bloom elsewhere. Vegetables up but cool weather slowing growth. Soil moisture and grazing conditions generally adequate.

NEW JERSEY: Temperatures averaged near normal. Extremes: 33 and 87°. Rainfall averaged 0.77 to 1.2 in.

Soil moisture in percent of field capacity averaged: 95 north, 89 central and 63 south. Four in. soil temperature averaged 58° north, 62° central and 60° south.

Fieldwork: 5.0 days suitable. Crops making good growth. Irish potato planting complete, early planted fields up. Apple and peach prospects continue good. Strawberry harvest about one week away. Cranberry bog water drawn off. Wheat heading. Field corn planting continues.

Soybean planting begun. Hay crops, pastures making good growth.

NEW MEXICO: Heavy rains, hail slowed field operations and damaged crops some areas.

Cotton, alfalfa good condition with 90% of cotton planted. Some cotton may be replanted because of heavy rains. Planting corn, grain sorghum continued. About 85% corn planted, mostly good condition. Irrigated wheat, barley good condition. Dryland crops poor to fair condition. Onions, chile good condition. Lettuce harvest winding down. Cattle, sheep good condition. Ranges fair to good.

NEW YORK: Temperatures averaged near normal. Rainfall 0.50 to 1.00 in.

Planting generally behind normal. Corn 27% planted, 46% 1979, 39% average. Oats 65% planted, 83% 1979, 77% average. Wheat, hay condition good. Early L.I. potatoes in good condition. Apples, pears in full bloom. Tart cherries nearing petal fall. Peaches in petal fall stage.

NORTH CAROLINA: Temperatures 2° above normal. Precipitation below normal.

Fieldwork: 6.1 days suitable. Soil moisture short. Conditions: Wheat, oats, barley, rye mostly good, declining; pastures fair to good, declining; tobacco beds fair to good, declining; field tobacco fair, declining; corn fair to good, declining; cotton mostly fair to good, declining; Irish potatoes fair to good, declining; peaches mostly good, truck crops fair to good, declining. Plantings: Corn virtually complete, 1979 94%, average 92%; cotton 95%, 1979 96%, average 87%; peanuts 84%, 1979 64%, average 62%; sweetpotatoes 5%, 1979 24%, average 30%; sorghum 29%, 1979 26%, average 34%; soybeans 29%, 1979 35%, average 33%; flue-cured tobacco 81%, 1979 80%, average 76%; burley tobacco 12%, 1979 8%, average 18%; tomatoes and summer cucumbers 66% planted. Tobacco plant supplies adequate.

NORTH DAKOTA: Dry week with sunny skies and low humidity. Only measurable precipitation in extreme western portion. Temperatures near normal. Extremes: 19 and 87°.

Continued dry weather. No precipitation most areas since April 1, is causing stress and deterioration to crops. Severe drought condition for hay and pastures, showing virtually no growth many areas. Some livestock being sold that would otherwise be carried under normal conditions.

Seeding continued ahead of normal. Percents planted with current progress, last year and average: Hard red spring wheat 82, 16, 52; durum wheat 79, 6, 41, barley 80, 12, 49 and oats 83, 12, 48. Percent of grain crops emerged are: Hard red spring wheat, 53; durum wheat, 42; and barley, 49. Flax planting 29% complete. Row crops planted percents; Sugar beets 98; sunflower 22; corn 48; soybeans 53; dry edible beans 29; and potatoes 65.

All crops rated mostly poor to fair. Virtually whole State rated short on moisture. Crops emerging spotty. Rain badly needed.

OHIO: Average precipitation 2.2 in. Temperatures averaged near normal. Extremes: 32 and 84°.

Corn planted 85%, 85% 1979, 75% average. Soybeans planted 45%, 45% 1979, 40% average. Potatoes planted 75%, 75% 1979, 75% average. Oats planted 100%, 100% 1979, 100% average. Sugarbeets planted 100%, 100% 1979, 100% average. Corn emerged 30%. Oats emerged 75%. Fieldwork: 4.0 days suitable. Pasture condition good. Soil moisture adequate.

OKLAHOMA: Temperatures averaged 2 to 10° below normal. Rainfall 1.30 to 4.13 in.

Rains continue to benefit wheat and ranges. Spring planting activities slowed by wet fields. Forage supplies adequate. Cattle making good gains. Heavy rains will result in some early planted cotton being replanted. Wheat heading 80%, 90% 1979, 95% average. Wheat soft dough 5%, 15% 1979, 25% average. Sorghum 10% planted, 15% 1979, 20% average. Corn planted 75%, 85% 1979, 85% average. Cotton 10% planted, 20% 1979, 20% average. Fieldwork: 4.4 days suitable.

OREGON: Temperatures normal to 6° below normal. Precipitation 0.01 to 1.5 in.

Soil moisture mostly adequate. Winter wheat fair to excellent, 33% headed, 1% last year. Other grains, hay and seed crops good. Fertilizing, spraying nearly completed. Some hay cut. Apple condition good. Pear sets appear down. Some scab and blight problems. Strawberries good. Red raspberries beginning to bloom. Vegetables good condition. Sweet corn and snap beans planting delayed by rain. Late potatoes going in; early potatoes up. Livestock condition good. Range and pasture fair to excellent.

PENNSYLVANIA: Temperatures averaged near to 4° below normal. Extremes: 84 and 24°. Widespread frost 15th. Rainfall 0.5 to 3.3 in.

Fieldwork: 3.0 days suitable. Soil moisture surplus to adequate. Plowing 83%, last year 91%. Soybeans 19% planted, last year 14%. Oats 90% sown, last year 94%. Potatoes 62% planted, last year 75%. Corn 45% planted, last year 63%, average 51%. Barley 18% headed, 45% boot, last year 42% headed, 31% boot. Wheat 6% headed, 33% boot, last year 14% headed, 49% boot. Hay condition mostly good. Feed from pasture average. Peaches and cherries in full bloom or past. Apples 14% pink, 83% in full bloom or past.

PUERTO RICO: Island average rainfall 1.92 in. or 0.27 in. above normal. Temperatures averaged 81° on coasts and 76 to 77° interior. Extremes: 97 and 62°.

SOUTH CAROLINA: Temperatures ranged above normal to near normal. Rainfall not enough to restore soil moisture.

Soil moisture short to very short. Fieldwork: 6.0 days suitable Corn fair to good condition, 48% cultivated; planting at 98%. Need more soil moisture for good germination. Cotton condition fair, 95% planted, 99% last year, 93% average. Some soybean planters waiting for rain, 19% planted, 45% last year, 31% average. Tobacco 99% transplanted. Peaches fair to good. Snap beans 94% planted. Vegetable condition fair to good except tomatoes excellent condition. Watermelon, cantaloupes 98%, 97% planted. Pastures, hay, small grain conditions fair. Dry weather hampering development of small grain heads. Wheat turning color 42%, oats 58%.

SOUTH DAKOTA: Temperatures 1° above to 7° below normal. Extremes: 81 and 24°. Rain did little to relieve dry conditions.

Topsoil moisture short. All grain and alfalfa suffered varying damage by freeze in early May. Winter wheat severely hurt. Stress continues from lack of moisture. Livestock good, ranges poor to fair, water supplies short, feed adequate. Concern about alfalfa crop. Flax 73% planted, 1979 35%, average 53%. Corn 71% planted, 1979 20%, average 45%. Soybeans 25% planted, 1979 3%, average 18%. Sorghum 8% planted, 1979 1%, average 7%. Sunflowers 7% planted, 1979 1%, average 1%. Oats 100% planted, 1979 88%, average 93%. Barley 100% planted, 1979 86%, average 90%. Spring wheat 100% planted, 1979 90%, average 93%. Winter wheat 39% boot stage or beyond, 1979 0%, average 13%.

Winter rye 42% boot stage or beyond, 1979 0%, average 15%.

TENNESSEE: Showers all week. Temperatures averaged near normal.

Fieldwork: 4.9 days suitable. Soil moisture adequate. Spring plowing 88% completed, 1979 79%, average 84%. Corn 85% planted, 1979 70%, average 68%. Cotton 92% planted, 1979 72%, average 76%. Soybeans 20% planted, 1979 12%, average 15%. Tobacco 12% transplanted, 1979 19%, average 17%. Small grains good. Wheat 88% headed, 1979 89%, 89% average. Oats 87% headed, 1979 87%, 82% average. Pastures fair. Cattle, hogs good. Fuel supplies adequate.

TEXAS: Temperatures near normal. Lower Gulf Coast 10° above normal. Average temperatures middle 60's northwest Texas, middle 70's south Texas, Coast. Rainfall near normal Trans-Pecos, 1 to 2 in. above normal elsewhere. Average rainfall 0.10 in. western part of Trans-Pecos, to 1.00 in. or more Eastern half.

Farming activities light due to rain. Rains needed as soil moisture had been depleted. Hail, high winds Plains, Cross-Timbers, Blacklands did moderate damage to cotton, sorghum. Small grain fields affected with lodging in wheat, oats. Planting activities limited by wet conditions. Heavy rains, winds High Plains, northern Low Plains delayed cotton planting. Hail, wind caused some damage to earlier planted fields. Small amount of replanting necessary. Cotton crop 32% planted. Cotton squaring, some bolls setting Lower Rio Grande Valley. American-Pima cotton progressing well, responding to improved moisture. Corn planting 97%. Stands excellent to good condition. Insect damage light, some root worms seen along Coast. Producers in Lower Rio Grande Valley continuing cultivation, weed control. Sorghum planting slow, rains delayed progress. Planting 72% complete, 11% headed. Additional moisture helped development but also increased weeds which are presenting problems Blacklands, Central, East. South, Rio Grande Valley rains beneficial, may be too late as head development already affected. Rice seeding virtually complete, 96% emerged. Peanut planting 15% complete. Rains slowed planting, land preparation. Small grains benefitted from moisture although in areas crop was into dough stage and moisture came too late. Low Plains, Cross-Timbers, winds caused lodging wheat, oats fields. Wheat conditions vary throughout State. Insect damage light in most areas. Grazing out of fields continues South, Coastal areas. Rust damage occurring in scattered locations. Oats, flax, barley have responded to increased moisture supply. Some small grains have been harvested Rio Grande Valley. Rain interrupted harvest most vegetables. Some movement of onions, cabbage, carrots. Cucumbers, tomatoes, peppers, cantaloups, watermelons neared maturity. Small supplies available. In Coastal Bend rain benefitted dryland cucumbers, watermelons. Harvest carrots about over. Cantaloups, cucumbers, tomatoes making good growth. East rain slowed most activity. High moisture, cool temperatures caused plant disease problems and poor growth. Some potatoes dug. In North rain helped most vegetables. Where conditions allowed, some harvest of spinach, collards, mustard, turnips, parsley and green onions occurred. In Trans-Pecos, limited supplies of lettuce available. Seed heads appearing some onion fields. Cabbage, potatoes making good growth. Planting cantaloups was underway. On High Plains, wet weather delayed carrot planting. Potatoes, onions making good progress. Peppers up and growing well. Few fields onions damaged by hail. Pecans passed full bloom. Most peaches about the size of a quarter to half-dollar.

General rain highlighted range and livestock situation. Needed moisture eased drought conditions and provided run-off for farms ponds. With warm weather, adequate moisture most areas, forage growth expeeted to recover rapidly. Supplemental feeding diminished most areas and shipment of cattle slowed. Sheep shearing interrupted by rain on Edwards Plateau.

Cotton planted 32%, 43% 1979, 47% average. Cotton squaring 8%, 8% 1979, 1% average. Cotton setting boll zero, 2% 1979. Rice planted 100%, 95% 1979, 98% average; emerged 96%, 86% 1979. Sorghum planted 72%, 70% 1979, 71% average; headed 11%, 9% 1979. Wheat headed 61%, 94% 1979; turning color 11%, 19% 1979. Barley harvested 0%, 6% 1979, 1% average. Corn planted 94%, 100% 1979, 97% average. Peanuts planted 15%, 20% 1979, 25% average. Soybeans planted 5%, 8% 1979, 11% average. Sunflowers planted 21%, 10% 1979, 11% average.

UTAH: Rain in valleys and snow in moutains. Accumulated amounts moderate to heavy. Average temperatures 4 to 10° below normal.

Fieldwork: 2.5 days suitable. Soil moisture adequate to surplus. Corn planting made little progress and 1 to 2 weeks behind normal. Some emerged corn is yellowing from excess moisture. Spring planted grains mostly emerged, in good condition. Fruit set on apricot, peach and sweet cherry trees mostly good in spite of marginal pollinating weather. Hay, pastures, ranges good condition, growth slowed by cool weather.

VIRGINIA: Temperatures averaged near normal. Extremes: 92 and 37°. Rainfall mainly on 17th averaging 0.75 to 1.00 in. Soil temperature 64 to 75°.

Topsoil moisture short to adequate. Fieldwork: 5.8 days suitable. Planting progress: Corn 80%, 82% 1979, 81% average; soybeans 20%, 18% 1979, 19% usual; peanuts 85%, 75% 1979, 62% average. First hay cuts: 20% baled, 26% 1979. Hay, corn condition good to excellent. Tobacco planting progress: Flue-cured 25%, 41% 1979, 42% average; fire-cured 15%, 19% 1979, 20% usual; burley 1%, 5% 1979, 15% average; sun-cured 35%, 7% 1979, 24% usual. Blue mold confirmed in southwest, burley and fire-cured; southern Piedmont, flue-cured; confined to untreated seedbeds and transplants from untreated beds. Cabbage irrigated. Potatoes cultivated, sweetpotato transplants began, cucumbers seeded, tomatoes set. Pastures good. Sheep shearing active.

WASHINGTON: Damage to crops from eruption of Mount St. Helens is uncertain.

West: Temperatures averaged 1° below normal to 1° above normal. Precipitation averaged 0.1 to 0.7 in. below normal. Planting early vegetables continued. Harvest field rhubarb and spinach progressed. Strawberries, cabbage seed in full bloom. Irrigation, spraying raspberries active. Hay fields growing, range and pasture feeds adequate. Livestock good condition.

East: Temperatures averaged 1° below normal. Precipitation averaged mostly 0.2 in. above normal. Apples three weeks past full bloom. Cherries half way to maturity. Dry bean planting continued, peas and potatoes virtually complete. Asparagus, alfalfa hay cuttings progressed. Spring grain planting winding down, some heading reported. Condition of wheat, barley average.

WEST VIRGINIA: Temperatures averaged above normal. Extremes: 91 and 26°. Precipitation below normal except southwest.

Soil moisture adequate to short. Fieldwork: 4.7 days suitable. Wheat good to fair, 65% prejointed, 34% jointed, 1% headed, 39%, 51%, 10% respectively 1979. Barley good to fair, 43% prejointed, 36% jointed, 21% headed, 23%, 49%, 28% respectively 1979. Oats fair to good, 88% planted, 52% emerged, 90% and 73% 1979. Corn fair to good, 55% planted, 12% emerged, 59% and 22% 1979. Tobacco poor to fair, 91% planted, 72% emerged, 0% set, 100%, 92%, 5% 1979. Pasture good to fair. Hay fair to good. Fuel supply adequate.

WISCONSIN: Temperatures 4° below normal. Rainfall 0.50 to 1.50 in.

Planting made good progress. Fieldwork: 6.0 days suitable. Corn 70% planted, 1979 35%, normal 45%. Early planted corn emerged. Soybeans 20% planted, 1979 1%, normal 10%. Early seeded oats up. Planting of small grains completed. Hay growth shorter than normal due to cool, dry weather. Winterkill of older hay stands heavy in some areas. Pasture conditions below normal. Planting peas, sweet corn, other vegetable crops continued. Early planted potatoes emerged. Apple trees blooming. Topsoil moisture short to adequate. Irrigation systems operating where available. Fuel supplies mostly adequate.

WYOMING: Temperatures below normal. Precipitation much above normal.

Spring wheat planting 77%; year ago 74%. Emergence of spring wheat 60%; year ago 46%. Oats planting 73%; year ago 85%; normal 84%. Emergence of oats 49%; year ago 50%; normal 66%. Barley planting 84%; year ago 81%; normal 87%. Emergence of barley 72%; year ago 56%; normal 70%. Corn planting 42%; potatoes 24%; dry beans 5%. Sugar beet emergence 50%; planting virtually complete. Range ewes 63% lambed; range sheep 78% shorn. Pasture and range feed supplies mostly good. Fieldwork: 2.0 days suitable.

SEEDING PROGRESS

MAY 18, 1980

SOYBEAN
% PLANTED

	1980	1979	AVG.
ALA	25	36	32
ARK	11	10	16
GA	27	45	36
ILL	51	17	31
IND	30	15	25
IOWA	29	12	35
KANS	10	7	10
KY	22	13	16
LA	17	27	29
MICH	10	15	15
MINN	53	4	34
MISS	21	15	21
MO	28	9	27
NEBR	20	10	20
N C	29	35	33
OHIO	45	45	40
S C	19	45	31
TENN	20	12	15
18 STATES	31	18	28

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

CORN
% PLANTED

	1980	1979	AVG.
COLO	54	72	82
GA	98	27	27
ILL	94	64	72
IND	90	55	59
IOWA	96	68	80
KANS	65	50	65
KY	82	54	64
MICH	60	50	55
MINN	91	29	64
MO	85	53	68
NEBR	85	55	70
N C	100	94	92
OHIO	85	85	75
PA	45	53	51
S DAK	71	20	45
VA	80	82	81
WIS	70	35	45
17 STATES	86	58	69

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

COTTON
% PLANTED

	1980	1979	AVG.
ALA	90	94	9[illegible]
ARIZ	97	97	NA
ARK	90	81	77
CALF	100	100	NA
GA	92	27	27
LA	65	76	76
MISS	88	80	76
MO	97	73	88
N MEX	90	90	93
N C	95	96	87
OKLA	20	20	19
S C	95	99	93
TENN	92	72	76
TEX	32	43	47
14 STATES	56	61	NA
EXCL. STATES WITH NA	47	53	55

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

GRAIN SORGHUM

	1980	1979	AVG.
COLO	0	[illegible]	0
KANS	10	10	10
MO	42	17	32
NEBR	20	10	20
OKLA	10	15	20
S DAK	8	1	7
TEX	72	70	71
7 STATES	35	32	34

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

SPRING WHEAT

	1980	1979	AVG.
IDAHO	100	92	86
MINN	99	55	81
MONT	90	40	60
N DAK	82	15	52
S DAK	100	90	93
5 STATES	90	42	66

THESE 5 STATES PRODUCED 91% OF THE 1979 SPRING WHEAT CROP EXCLUDING DURUM.

RICE

	1980	1979	AVG.
ARK	85	72	85
CALIF	82	82	NA
LA	91	92	95
MISS	89	67	78
TEX	100	86	98
5 STATES	89	80	NA
EXCL CALIF	90	79	90

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

2/ GREATER THAN 95%
NA - NOT AVAILABLE

International Weather and Crop Summary

May 12 - 18

HIGHLIGHTS:

USSR.	Winter grains mostly jointing....conditions much colder than normal.
EUROPE.	Winter grains jointing in the north, nearly mature in the south*...too wet in the south.
CHINA.	Winter grains turning color in most areas*....too wet in many areas. Planting rice*.
INDIA.	Planting season near in the south and east*....normal pre-monsoon showers.
THAILAND.	Planting rice and maize*....rainfall still increasing.
AUSTRALIA.	Sowing winter grains....generally adequate soil moisture.
NORTHWESTERN AFRICA.	Winter grain harvest nearly complete*....generally favorable weather.
ARGENTINA.	Harvesting early soybeans*....a little too wet.
BRAZIL.	Soybean harvest nearing completion....improved weather.
MEXICO.	Grain sorghum heading, corn tasseling in northeast....very beneficial rains.
CANADA.	Sowing spring grains....soils too dry.

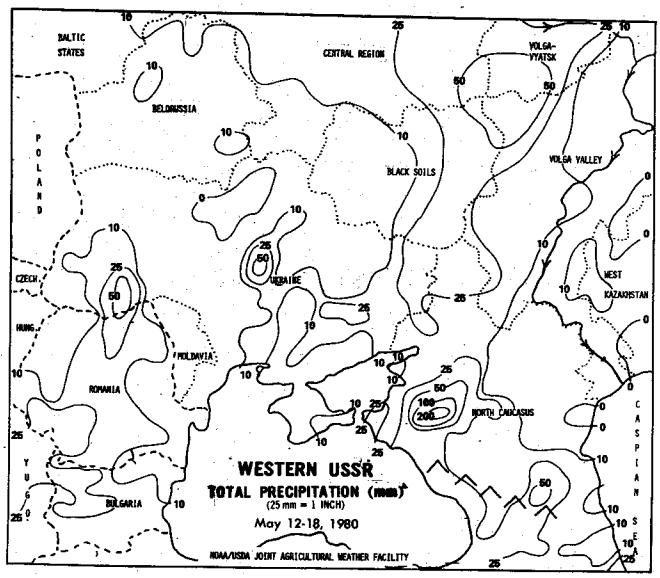
*Based on normal crop calendar information.

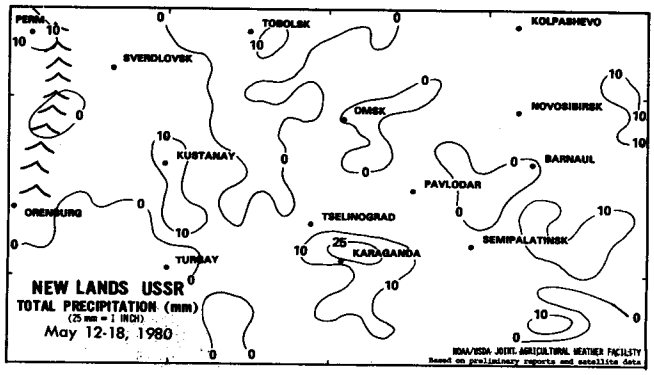
USSR. Through most of the week, a nearly stationary front extended from the North Caucasus through the Black Soils and the Volga-Vyatsk regions, causing amounts of precipitation generally 3 to 4 times normal along a broad band through the eastern part of European USSR, with smaller amounts in parts of the Volga Valley and West Kazakhstan. Large amounts of precipitation also fellin scattered areas over the Ukraine, the result of a weakening low pressure area moving northeastward from the Mediterranean at week's end. Temperatures in most places were markedly below normal during the week.

This cold, wet weather further delayed both fieldwork and development of crops over most of southern European USSR. Fieldwork had been advancing more rapidly recently, but these low temperatures (near freezing) slowed germination and growth dramatically. Moderate rainfall in the lower Volga Valley benefited spring-sown crops, but the upper reaches of the valley remained too dry.

In the New Lands, only very light scattered rainfall occurred during the first part of the week as a high pressure system dominated the region. However, by the middle of the week a frontal system made its way east of the Urals, setting off heavier, scattered showers, with precipitation amounts well above normal in the vicinity of Karaganda, east of Semipalatinsk, and east of Novosibirsk. A generally southerly flow of air kept temperatures somewhat above normal.

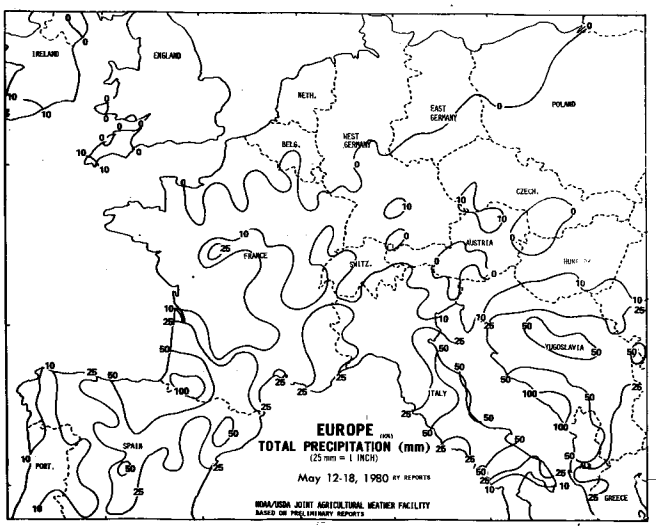
Soil moisture remains generally in good supply as the planting begins. Dryness in some eastern areas might cause significant germination problems, but the affected area is relatively small.

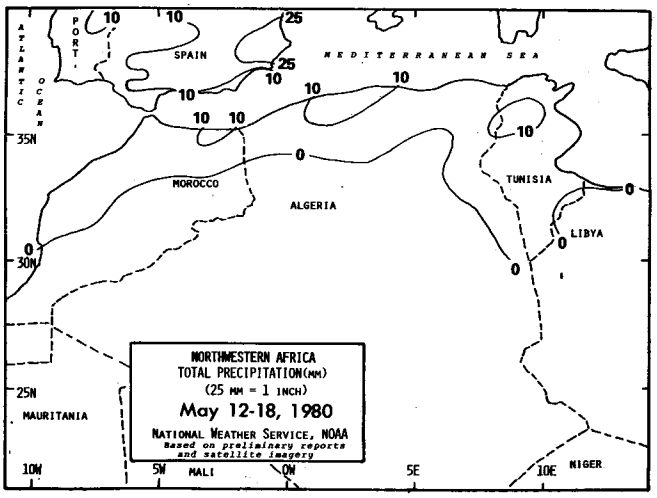




EUROPE. A blocking high pressure system persisted over Scandinavia through the week, resulting in little or no precipitation through most of northern Europe and deflecting the storm track southward over the Mediterranean. A major cyclonic disturbance moved slowly from its position in northern Spain early in the week--where it produced amounts of rainfall as much as 10 times normal--to the Adriatic Sea by Friday, spreading large amounts of precipitation through southern France, Italy, and the Balkan countries.

Most crop areas in the north have adequate soil moisture due to above-normal rainfall in previous weeks, but concern is increasing in England about conditions too dry for germination and development of spring-sown crops. The persistence of wet weather in the Mediterranean countries was not favorable for winter grains, which were turning color in many areas.

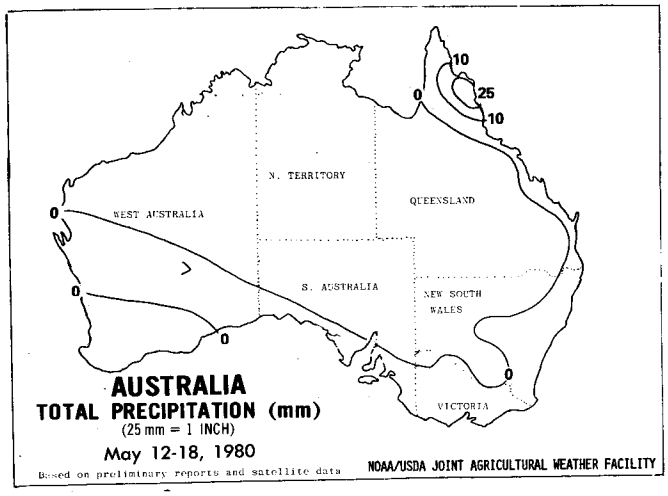


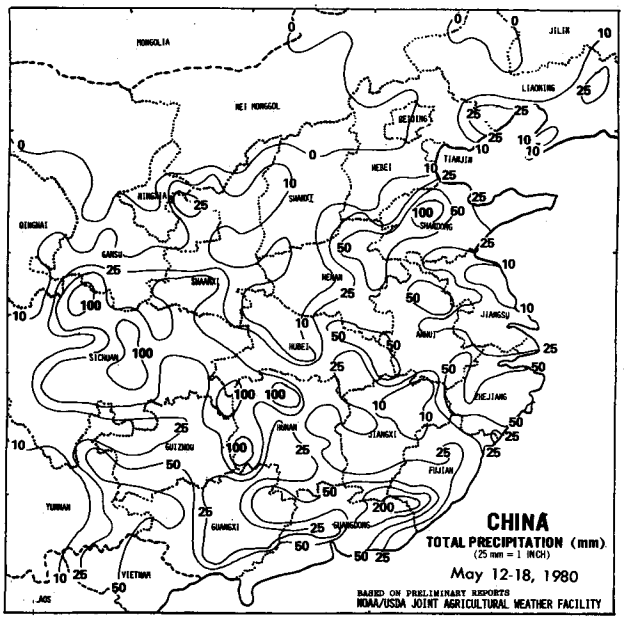


NORTHWESTERN AFRICA. Some light rain fell this week over most of northwestern Africa. However, accumulated amounts were near or below normal except in limited areas along the coast in northern Morocco and Algeria.

Rainfall for the month is still below normal in the winter wheat crop areas, and harvest should be continuing unimpeded now.

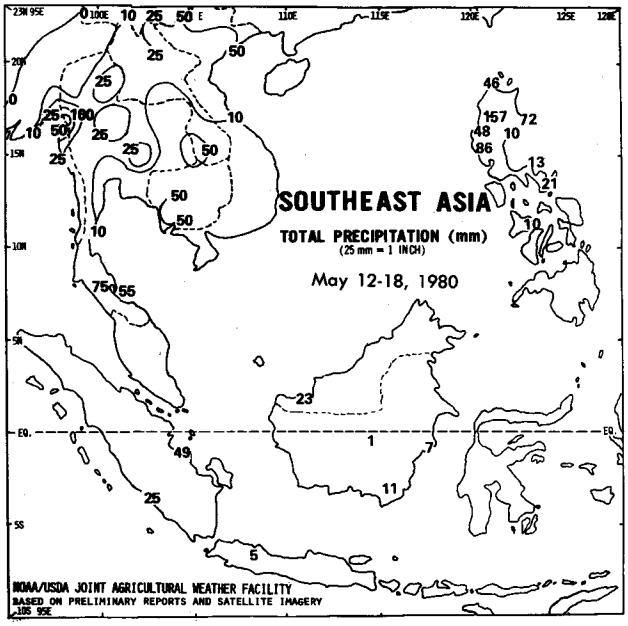
AUSTRALIA. A mid-latitude storm raked the southern portion of Australia from the west coast to Victoria during the week, but it deposited only small amounts of rain in the winter wheat crop areas. After the rain last week, dry weather returned to the croplands of New South Wales, but nearly all wheat areas should have adequate soil moisture for planting to continue.



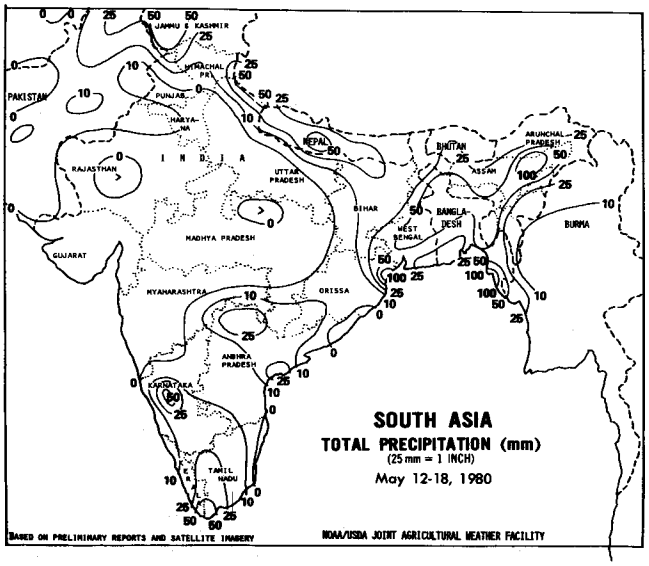


CHINA. Storm systems moving across China from west to east brought more widespread rainfall this week than in previous weeks. Substantial amounts fell in the Sichuan Valley, southern Manchuria, and the winter wheat belt. Precipitation was spotty in the Yangtze River basin, with some areas receiving over 100 mm and some less than 5 mm. Late in the week, a frontal wave developed in the straits of Formosa, giving some parts of Guangdong and Fujian provinces over 100 mm of precipitation. Temperatures averaged roughly normal, but fairly large day-to-day fluctuations were observed with the passage of weather systems.

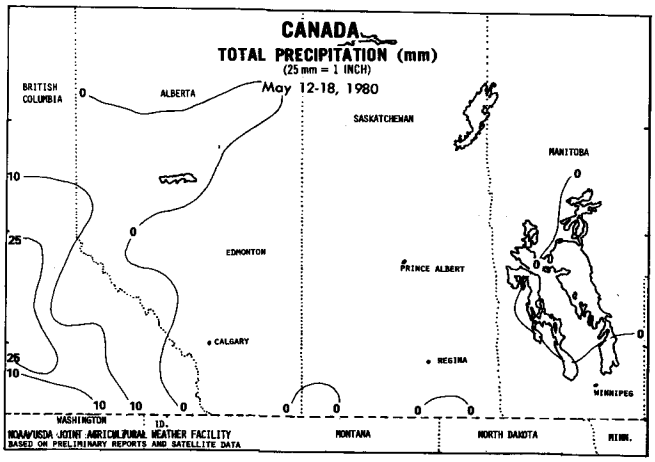
The abnormally heavy rainfall in the winter wheat belt may have caused some damage, for wheat was probably turning color in most areas, and lodging could well have occurred with the heavier rains. The lighter rainfall in many areas south of the Yangtze River served as a relief from excessive rains of recent weeks, but the continued heavy rain along the south coast prolonged flood problems.



SOUTHEAST ASIA. There was an increase in shower frequency in and around the rice crop area north of Bangkok during the week. Although data receipt was poor, many places reported near normal accumulations during 4 or 5 days. This increase in showers may mark the start of the monsoon season, which normally begins in late May, and will indeed be welcomed by farmers.



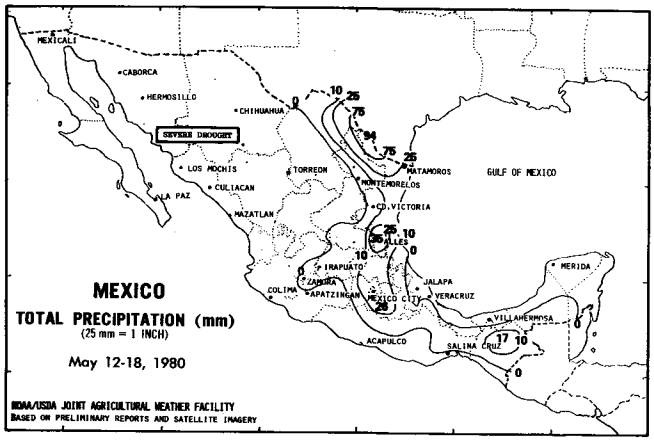
SOUTH ASIA. The pattern of rainfall has changed very little over the past few weeks with moderate showers continuing in the south, light scattered showers falling along the eastern coastal regions, and frequent showers, occasionally heavy, occurring in and around Bangladesh. These appear to be normal premonsoon showers, and although they are often times unreliable, they serve to moisten the soil somewhat before the monsoon arrives. Atmospheric patterns are developing in a manner which indicates that the monsoon might be advancing up the Malaysian peninsula.

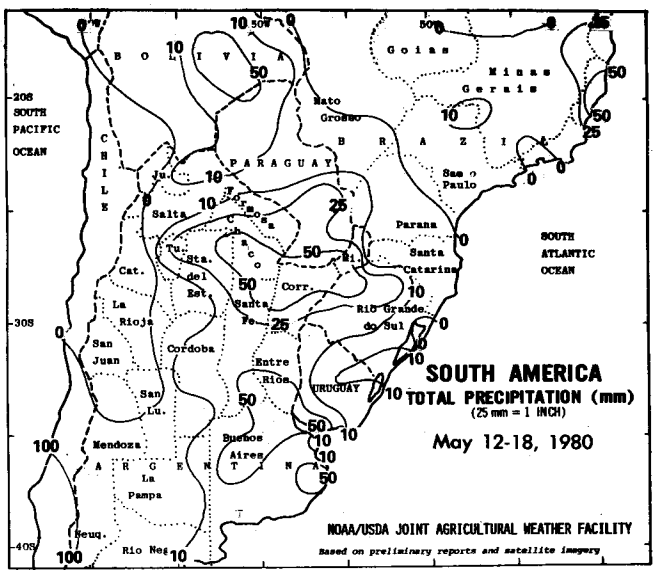


CANADA. High pressure dominated the Prairie Provinces during the early part of the week, resulting in cold, dry weather. A trough of low pressure later in the week brought some very light rain to northwestern crop areas in Alberta and northern crop areas in Manitoba, but most of the belt remained dry. Warmer weather associated with the rain drove maximum temperatures into the seventies, with lows in the forties.

Most of the spring grains have been sown, but prospects for germination remain slim, and yield potentials will begin to decline soon.

MEXICO. Heavy rains, produced by a squall line moving across the northeastern border states, benefited grain sorghum and corn. These crops, planted in February and March, were in a peak water use period by mid-May. Up to 35 mm of rain provided plentiful soil moisture for citrus and sugar cane at Valles. Moisture was still adequate in the southern citrus belt but well below the norm in the Montemorelos district where only half the crops are irrigated. Other major agricultural areas were mostly dry during the week. Drought, severe and slowly intensifying in the northwest, is reducing yield prospects of summer crops and rangelands. No relief is in sight because the rainy season usually begins in late summer.

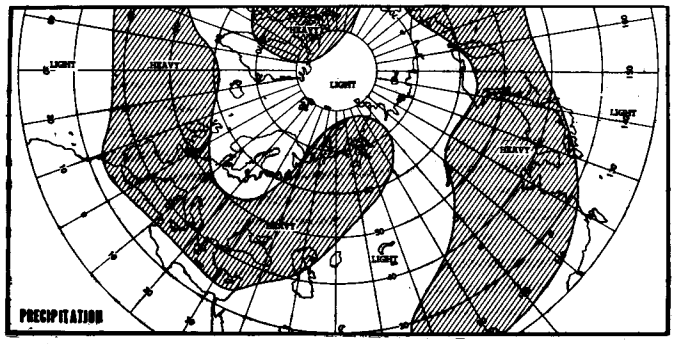


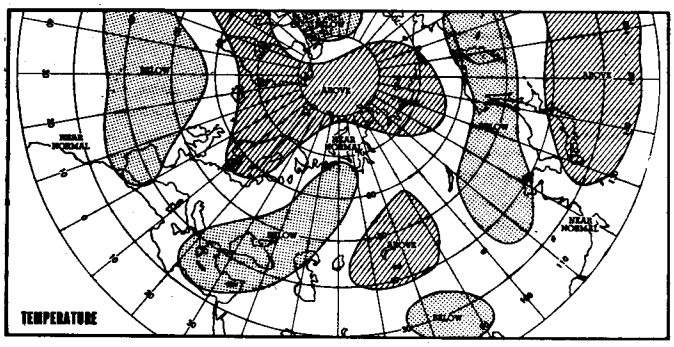


SOUTH AMERICA. Heavy showers caused some flooding again in Buenos Aires early in the week, then moved north into Uruguay and Brazil. Cold temperatures behind the storm pushed northward, but it is unlikely that frost occurred in the soybean crops, as freezing temperatures remained generally south of Buenos Aires.

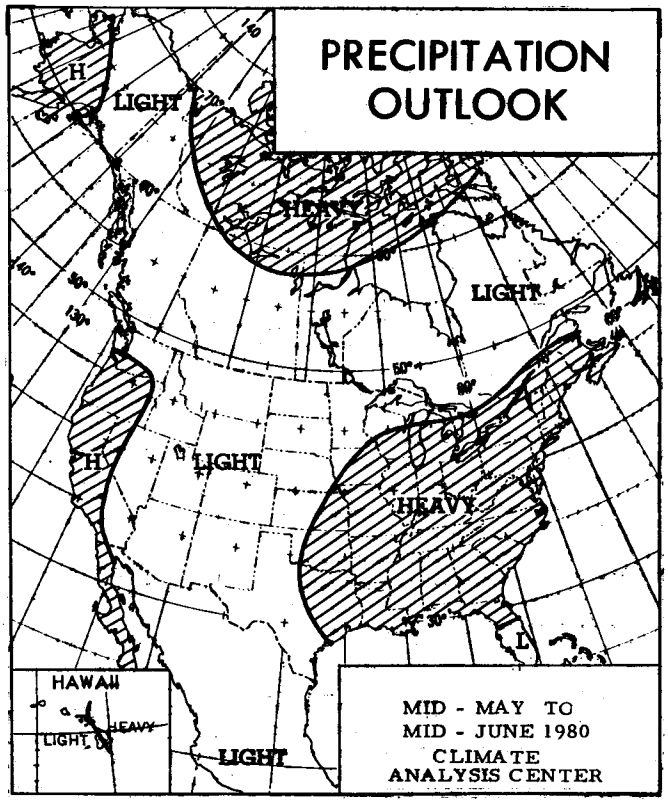
Even the late soybeans in Argentina have probably matured as much as they are going to, and a freeze now would have little impact. The rainfall maintained favorable conditions for sowing of winter grains in southern Buenos Aires. In Brazil, the somewhat lighter rainfall in Rio Grande do Sul this week allowed soybean harvesting to continue.

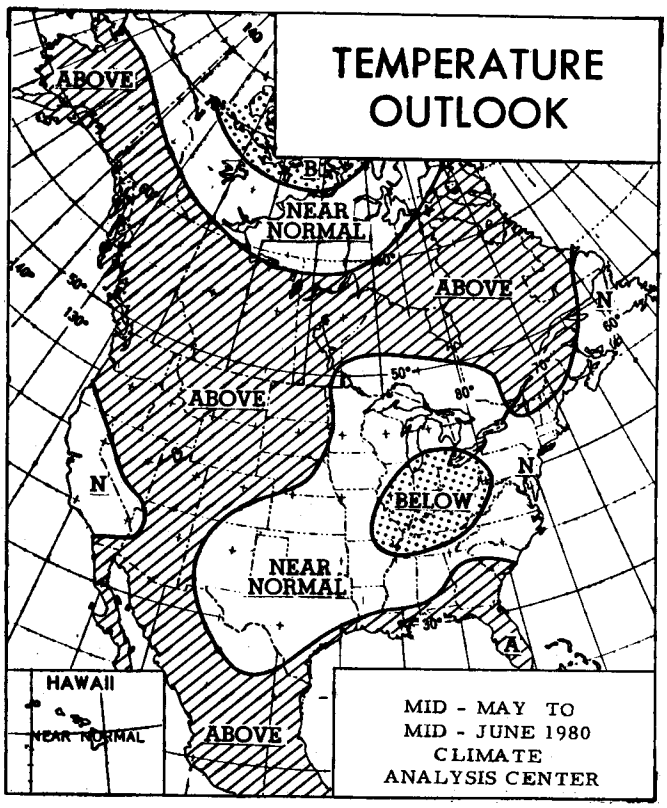
EURASIA OUTLOOK FOR MID-MAY TO MID-JUNE 1980

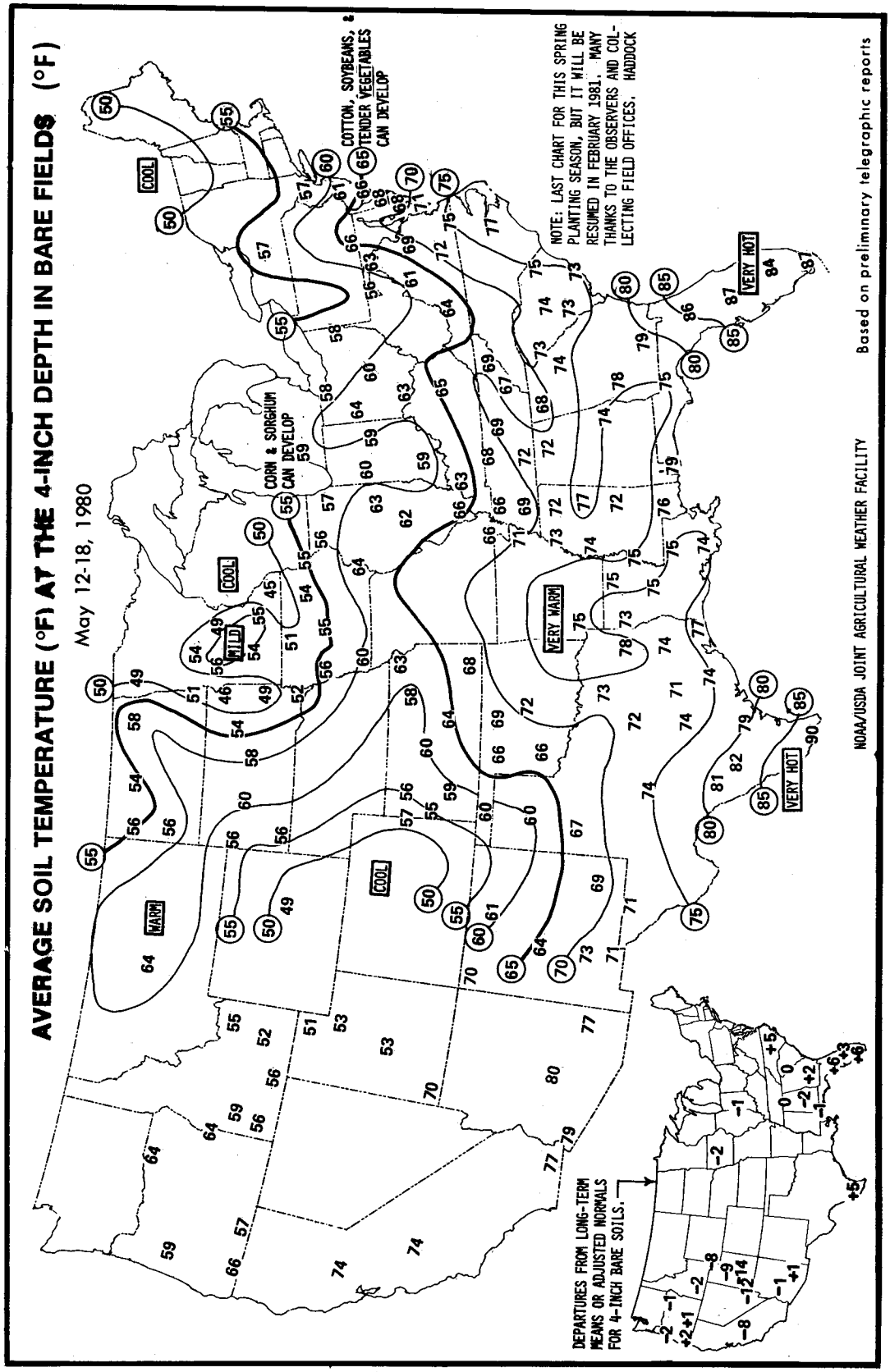


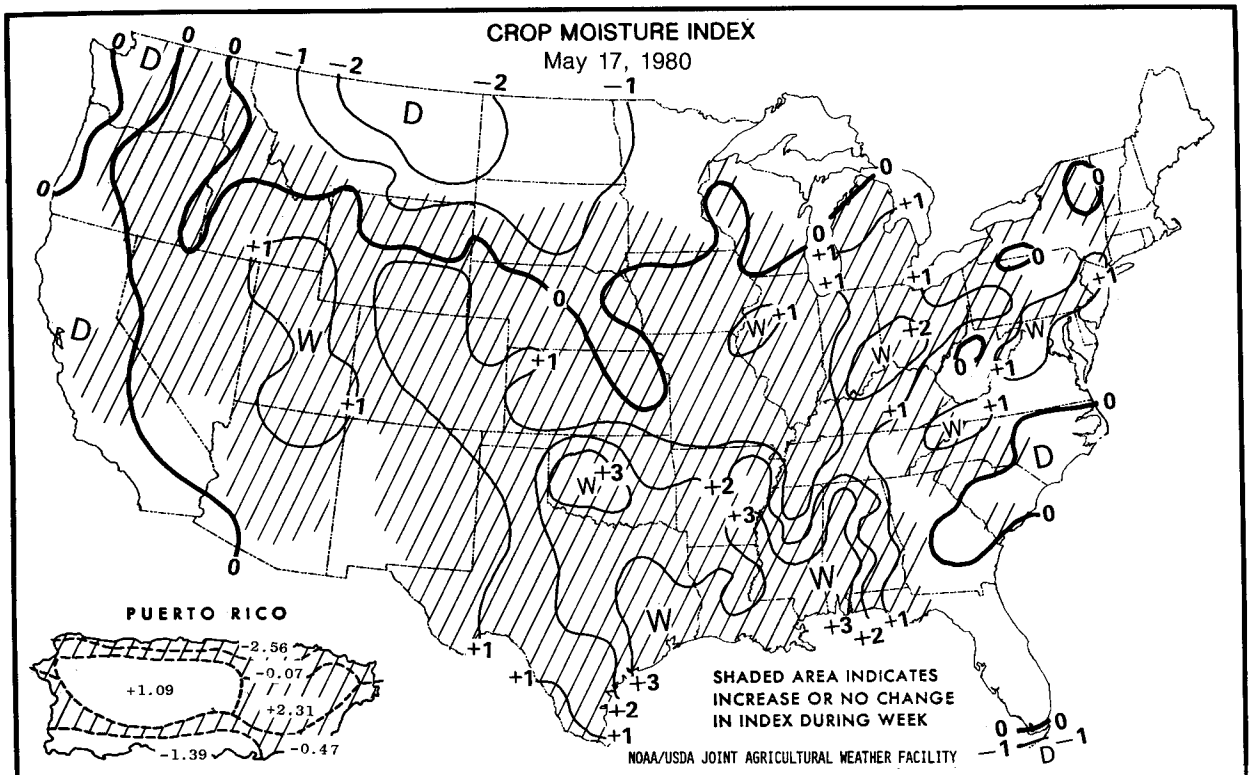


Average Monthly Weather Outlook






AVERAGE SOIL TEMPERATURE (°F) AT THE 4-INCH DEPTH IN BARE FIELDS (°F)
May 12-18, 1980
COOL
WARM
VERY WARM
VERY HOT
WILD
CORN & SORGHUM CAN DEVELOP
COTTON, SOYBEANS, & TENDER VEGETABLES CAN DEVELOP
NOTE: LAST CHART FOR THIS SPRING PLANTING SEASON, BUT IT WILL BE RESUMED IN FEBRUARY 1981. MANY THANKS TO THE OBSERVERS AND COLLECTING FIELD OFFICES, HADDOCK
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports
DEPARTURES FROM LONG-TERM MEANS OR ADJUSTED NORMALS FOR 4-INCH BARE SOILS.



The Crop Moisture Index measures the degree to which moisture requirements of growing crops were met during the previous week. The index is computed from average weekly values of temperature and precipitation. These values are used to calculate the potential moisture demand. Taking into account the previous soil moisture condition and current rainfall, the actual moisture loss is determined.

If the potential moisture demand, or potential evapotranspiration, exceeds available moisture supplies, actual evapotranspiration is reduced and the CMI gives a negative value. However, if moisture meets or exceeds demand the index is positive.

Shaded areas indicate the index was unchanged or increased from the previous week's value; soils dried in the unshaded areas. Centers of positive and negative areas are identified by W for wet and D for dry.

Local moisture conditions may vary because of differences in rainfall distribution or soil types. The type of agriculture and stage of crop development must be considered when assessing the impact of moisture conditions based on the Crop Moisture Index. Some general guidelines follow.

UNSHADED AREAS:			INDEX DECREASED
ABOVE		3.0	SOME DRYING BUT STILL EXCESSIVELY WET
2.0	to	3.0	MORE DRY WEATHER NEEDED, WORK DELAYED
1.0	to	2.0	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0	to	1.0	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0	to	-1.0	TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0	to	-2.0	ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0	to	-3.0	TOO DRY, YIELD PROSPECTS REDUCED
-3.0	to	-4.0	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW		-4.0	EXTREMELY DRY, MOST CROPS RUINED

SHADED AREAS:			INDEX INCREASED OR DID NOT CHANGE
ABOVE		3.0	EXCESSIVELY WET, SOME FIELDS FLOODED
2.0	to	3.0	TOO WET, SOME STANDING WATER
1.0	to	2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0	to	1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0	to	-1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0	to	-2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0	to	-3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0	to	-4.0	DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW		-4.0	NOT ENOUGH RAIN, STILL EXTREMELY DRY

HEAVY RAINS IN THE SOUTH CENTRAL UNITED STATES HAVE BROUGHT SOIL MOISTURE LEVELS UP TO EXCESSIVE AMOUNTS. SOME FIELDS ARE ENTIRELY FLOODED, AND THERE IS MUCH STANDING WATER IN THE AREA FROM OKLAHOMA TO SOUTHEASTERN TEXAS AND EASTWARD INTO ALABAMA. SOME FIELDS ARE TOO WET FROM ALABAMA NORTHWARD INTO INDIANA AND OHIO. NO RAIN HAS FALLEN IN MOST OF THE VERY DRY AREA OF THE NORTHERN PLAINS EXCEPT FOR SOUTHERN SOUTH DAKOTA WHERE LIGHT AMOUNTS FELL. IN MONTANA AND NORTH DAKOTA, THE DRY AREA HAS EXPANDED AND BECOME MORE INTENSE.

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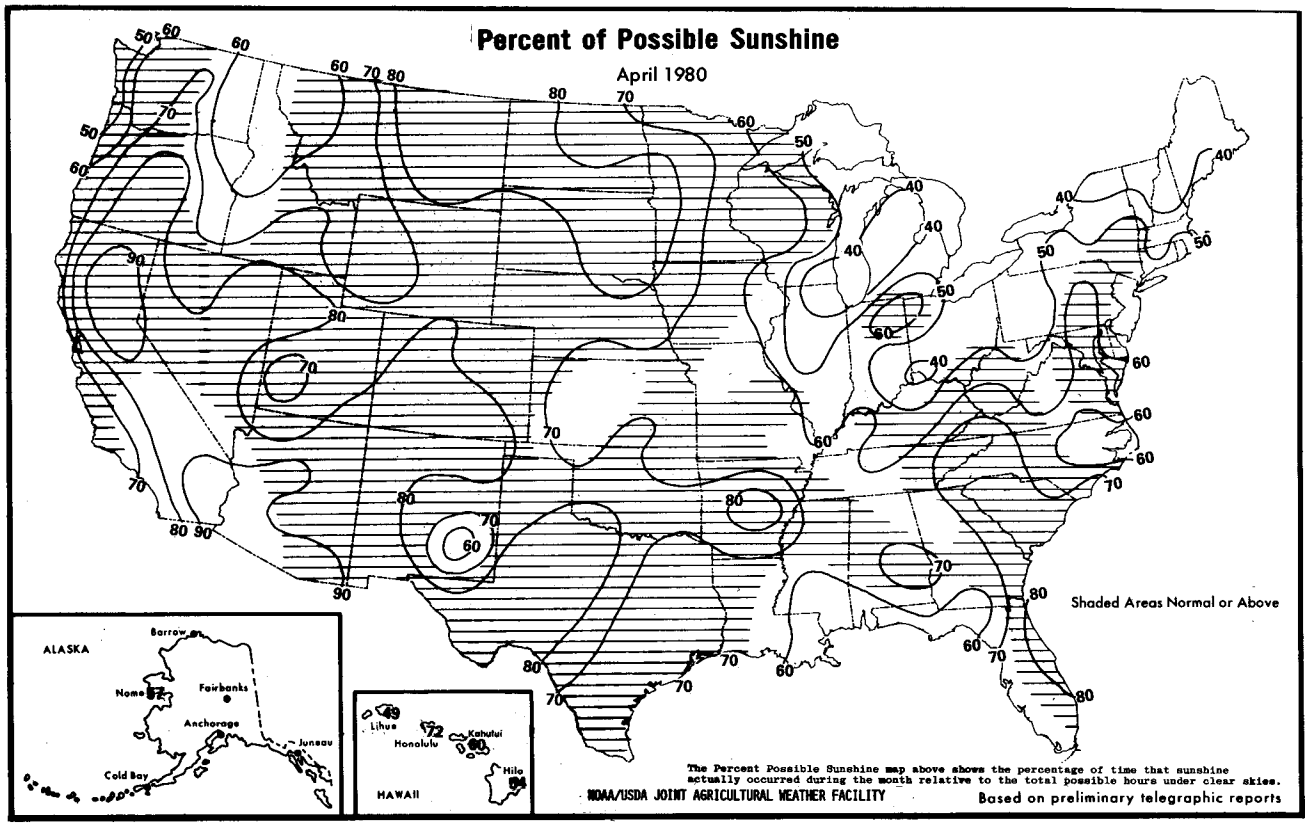
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