

# WEEKLY WEATHER AND CROP BULLETIN

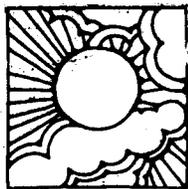
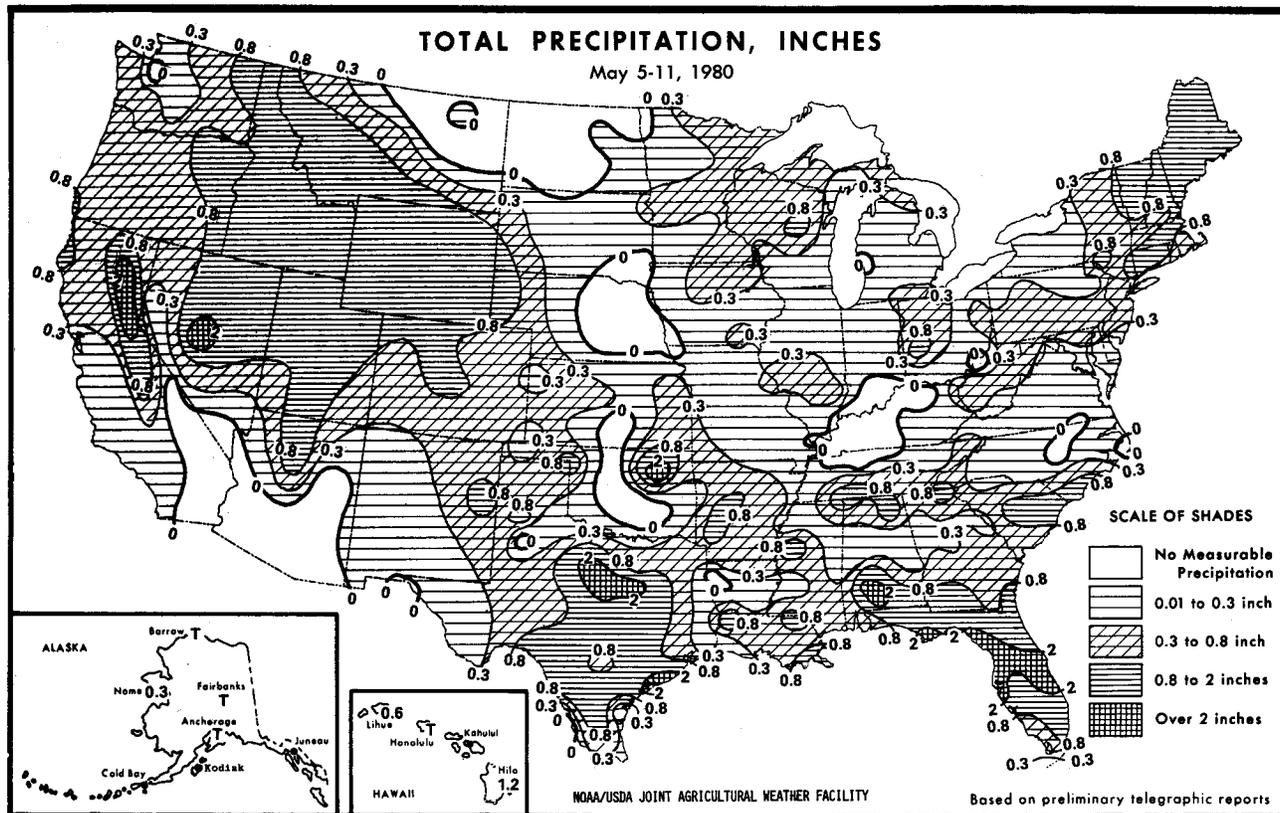
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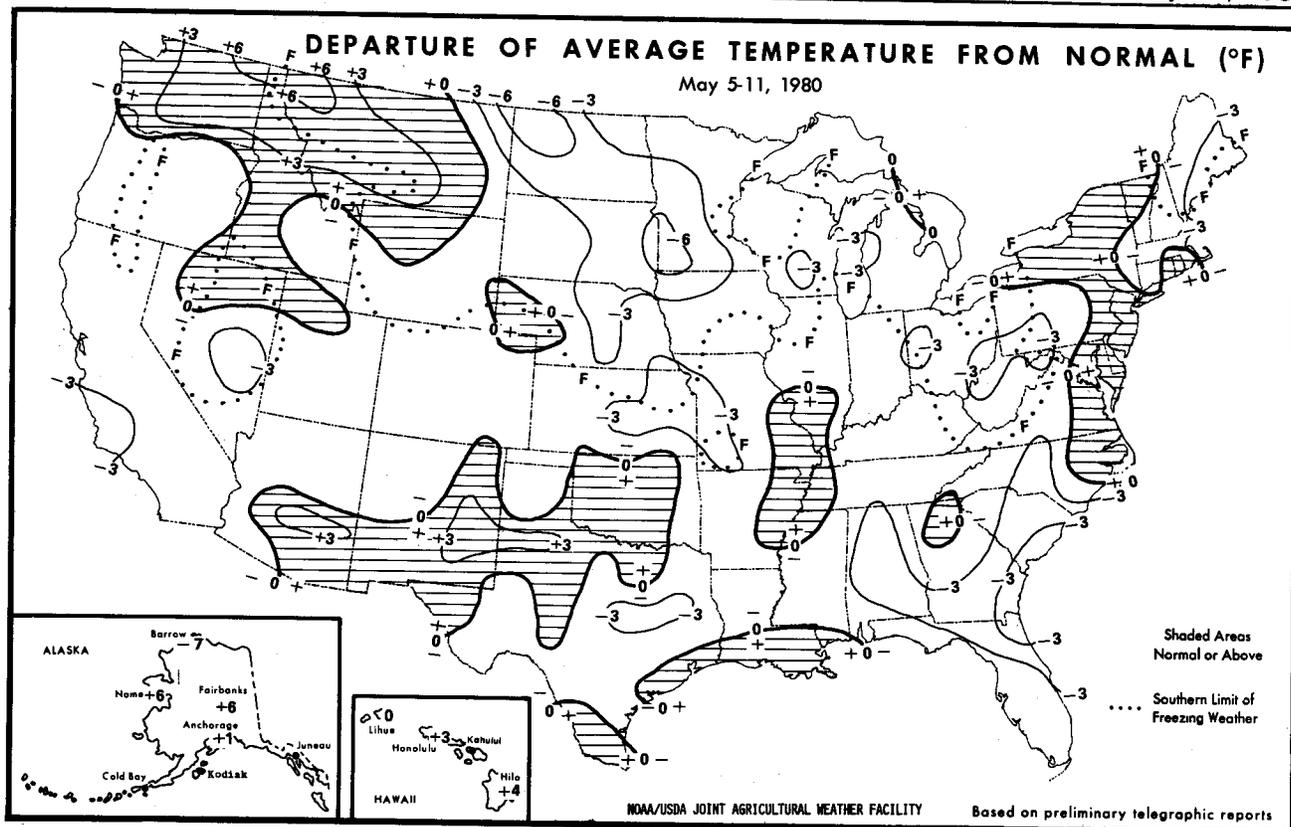
## National Weather Summary

May 5 - 11

**HIGHLIGHTS:** Thunderstorms were plentiful from eastern Colorado to northern Texas and the lower part of the Mississippi Delta. Hail and high winds inflicted minor damage, but lowland flooding occurred in eastern Colorado. Late in the week, severe weather brought a tornado to northern Florida where minor damage was reported. A hard freeze hit the northern Plains at midweek and lasted for two mornings. The lowest temperature plummeted to 19° at Minot in northwestern North Dakota. Late in the week, showers brought light but very welcome rain to portions of the upper Mississippi Valley. Heavy snow fell in the central Rockies on the last day of the week.

**MONDAY...** Cool Canadian air pushed into the Nation's midsection and provided some relief from the unseasonably warm temperatures over the northern Plains and upper Mississippi Valley. The warm air shifted eastward, and by the end of the day, encompassed only the South and most of the East Coast areas. Light showers accompanied the cool front, but most of those were in the vicinity of the Great Lakes. Showers and thunderstorms were widely scattered across the rest of the Nation and only a few places measured significant rainfall. Some points in eastern Colorado got three-quarters of an inch and reported pea-sized hail.

**TUESDAY...** Dry weather continued in the northern Plains and upper Mississippi Valley as cold air flowed into the area. Many places in the northern Plains have had no significant rain for a month or longer. Elsewhere, showers and thundershowers reached across the Plateau and Rockies, through parts of the central Plains, and to the lower Mississippi Valley. Heavier thunderstorms brought severe weather to north central Texas during the afternoon and evening. Several tornadoes were reported and golfball-sized hail fell at a few



places between Wichita Falls and Dallas. In the East, scattered showers and thundershowers extended from the Appalachians to the East Coast.

**WEDNESDAY...**A hard freeze hit the northern Plains. The mercury dipped into the twenties in northeastern Montana and the Dakotas. Williston, N.D., was the Nation's coldest point at 19°; the temperature was 20° or less for at least 3 hours in that area. The 19° at Minot was a record for the 7th of May; the old record was 21° recorded in 1929. Temperatures in the thirties and down to freezing were noted across Minnesota, northern Iowa, and the upper Great Lakes area. Showers started early in the day along the cold front as it moved southward through Kansas, the Ohio Valley, and New England. Thunderstorms and severe weather developed in Oklahoma and Arkansas and from eastern New Mexico to northern Louisiana as the front encountered moister air in the afternoon and evening.

**THURSDAY...**The hard freeze struck the northern Plains again and the sub-freezing temperatures pushed all the way to Nebraska and included western Iowa. Grand Island, Nebr., set a record for the date with 26°. Williston, N. Dak., once again had the low temperature in the Nation with 19°. Heavy thunderstorms were continuing across Texas early in the morning, and by afternoon, extended across southern and eastern Texas. Hail, ranging from marble- to golfball-sized, peppered several points in southern Texas. Late in the day, thunderstorms and some severe weather developed along the Gulf of Mexico Coast, across Florida and the Atlantic Coast, and into the Carolinas.

**FRIDAY...**Clear skies and chilly temperatures were the rule across the Mississippi, Ohio, and

Tennessee Valleys. Early morning temperatures were in the thirties and forties over all but the southernmost part of the area. Elkins, W.Va., was the cold spot with 25°. Thunderstorms continued through the evening over southern Florida. Showers and occasional thunderstorms developed over the western portion of the central Plains. Light rain-showers dotted the upper Mississippi Valley through the northern Rockies and to the Pacific Coast.

**SATURDAY...**Showers and occasional thunderstorms reached from the upper Mississippi Valley across the Ohio Valley. Portions of Minnesota had their first real rain in 30 days. Late in the day, some severe thunderstorms developed in northeastern Missouri and west central Illinois. Trees were downed and some buildings damaged. Showers developed in the central and northern Rockies as a low pressure system formed in the central Rockies. Snow was falling heavily at some higher elevations. Stockmen advisories were posted for rain changing to snow over northern Wyoming. Strong southerly winds swept through the Southwest kicking up dust.

**SUNDAY...**Winterlike weather returned to the central Rockies and portions of the central Plateau. In east central Wyoming, 8 inches of snow fell in some sections, and 4 to 8 inches was common in the area. Austin, Nev., measured 13 inches on the ground. Snow continued during the day at higher elevations. The developing storm moved slowly eastward through the central Rockies. Recent rain and runoff caused lowland flooding in Nebraska, eastern Colorado, and southeastern Utah. Thunderstorms developed over the Ohio Valley during the afternoon. Later, more thunderstorms were reported in the southern Plains.



## National Agricultural Summary

May 5 - 11

**HIGHLIGHTS:** Cooler weather with only scattered rainfall throughout the north central States kept planting progress well ahead of last year and the average. Farmers in these States generally had 5 to 7 days suitable for fieldwork. Other parts of the Nation had mostly 4 to 6 days suitable. Corn planting progressed at a very rapid pace and reached 70% complete, ahead of last year's slow progress of only 28% and the average of 46%. Iowa corn planting reached 89%; Illinois planting stood at 86%; and Indiana planting reached 70%. During the week, Illinois farmers planted 40% of the corn crop and Indiana farmers 52%. Spring wheat seeding in the five major producing States stood at 85%, well ahead of last year's late season 19% and the average of 52%. Spring wheat seeding in South Dakota was essentially complete. Oats seeding ranged from 70% in Michigan to 100% in South Dakota. Barley seeding continued at a rapid pace with the seven major producing States, excluding Wyoming, showing 83% seeded, far ahead of the 28% a year ago and the 54% average. Emergence is spotty in the northern Plains as dry weather continues to stress crops. Frost during the week damaged some barley and alfalfa fields in these States, but it was too early to assess the extent of damage. Cotton planting in the 14 major producing States reached 47%, 5 points ahead of last year. Excluding California and Arizona, cotton planting stood at 37%, ahead of last year's 32% but short of the 39% average. Grain sorghum planting reached northward into Nebraska. For the 7 major producing States, progress stood at 29%, slightly ahead of last year's 24% and the 27% average. Most of the acreage already planted is still in Texas where 69% of the crop is planted, compared with 63% last year and the 65% average. Excluding California, rice seeding in the major producing States stood at 85%, ahead of the 69% last year and the 83% average. Rice seeding in California reached 69% complete, compared with 67% in 1979. Winter wheat rated fair to mostly good, except in the northern Plains where conditions have deteriorated due to lack of moisture. Pastures rated fair to mostly good except in the northern Plains where condition rated poor. Supplemental feeding in the northern Plains States was needed for much of the roughage requirements. Fuel supplies held steady from the previous week. LP gas stood at 2% tight, 94% adequate, and 4% surplus. Diesel fuel rated 4% tight, 92% adequate, and 4% surplus. Gasoline scored 4% tight, 92% adequate, and 4% surplus.

**CORN:** Corn was 70% planted, ahead of last year's slow progress of only 28% and the average of 46%. Iowa corn planting reached 89%; Illinois planting stood at 86%; and Indiana planting reached 70%. During the week, Illinois farmers planted 40% of the corn crop and Indiana farmers 52%. The east north central States reported 67% planted, compared with 29% last year and the average of 43%. Planting in the west north central States reached 73% complete, compared with 18% a year ago and the 44% average. The southeastern States stood at 90% complete, equal to last year and slightly ahead of the 87% average.

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

Spring wheat seeding in the five major producing States reached 85%, well ahead of last year's late season 19% and the average of only 52%. Seeding reached 100% in South Dakota. Oats seeding ranged from 70% in Michigan to 100% in South Dakota. Emergence is spotty in the northern Plains as dry weather continues to stress crops. Barley seeding was 83% complete in the 7 major producing States excluding Wyoming, compared with only 28% in 1979 and the 54% average. Frost damaged barley fields in North Dakota.

**COTTON:** Cotton planting in the 14 major producing States reached 47%, 5 points ahead of last year. Excluding California and Arizona, planting stood at 37%, ahead of last year's 32%, but short of the 39% average. In Texas, planting progress was slow as producers in northern areas await warmer soil temperatures. Many fields were squaring in the Rio Grande Valley of Texas.

**OTHER CROPS:** Grain sorghum planting reached 29% in the seven major producing States, slightly ahead of last year's 24% and the 27% average. Seeding in Texas reached 69%, compared with 63% a year ago and the average of 65%. Texas planting was most active on the Edwards Plateau, Cross-Timbers, and the Blacklands and gained momentum on the Plains where cool soil temperature and dry conditions delayed progress. In southern areas of Texas, the crop is still stressed with some fields beginning the head prematurely.

Rice seeding stood at 82% complete, compared with 69% last year. Excluding California and Arizona, planting reached 85%, ahead of last year's 69% and the 83% average.

Peanut planting in the six major producing States excluding Oklahoma reached 53%, 8 points behind last year and 5 points behind the average.

Soybean planting reached 15%, compared with 5% last year and the average of 11%.

**FRUITS AND NUTS:** Apple trees in New England were starting to bloom and sweet cherries and late Ontario tart cherries in New York were in full bloom. In Texas, pecan trees reached full bloom with young nut clusters visible in many areas. The Florida citrus grove condition was improved, and new crop fruit was progressing very well. The Florida Valencia harvest continued active, and the grapefruit harvest was slowing with supplies running out. Arizona citrus groves were in very good condition with new crop prospects good. Arizona growers harvested Valencias and grapefruit.

**VEGETABLES:** Florida vegetable shipments rose 6% from the previous week with supplies of okra and watermelons increasing considerably. The Florida potato harvest was about complete in Dade County and increasing in the Hastings area. In northern Texas, growth was slowed by cool weather. In Virginia, frost damaged early tomato sets and some strawberries.

**PASTURES AND LIVESTOCK:** Pastures generally rated fair to mostly good, although dry soils and cool temperatures limited growth in some areas. In the northern Plains, conditions have deteriorated due to lack of moisture and supplemental feeding was necessary. Calving and lambing were about complete. Livestock was being moved to summer pastures.

Weather Data for the Week Ending May 11, 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 March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
ALA. Birmingham	79	53	84	43	66	-3	.1	-.7	.1	23.4	198	95	36	0	0	1	0
ALA. Mobile	84	61	88	55	72	-1	.2	-.8	.1	28.3	202	91	44	0	0	2	0
ALA. Montgomery	80	55	85	43	68	-3	.3	-.5	.3	16.0	140	91	45	0	0	2	0
ALASKA. Anchorage	53	39	55	31	45	-1	T	T	T	T	50	72	40	0	0	1	0
ALASKA. Barrow	27	17	19	-2	7	7	T	T	T	T	0	80	75	0	0	0	0
ALASKA. Fairbanks	59	39	63	34	49	6	T	T	T	T	13	55	40	0	0	1	0
ALASKA. Kodiak	48	41	54	39	45	4	1.5	.5	.7	9.3	103	84	68	0	0	5	1
ALASKA. Nome	49	39	56	36	44	13	.3	.1	.1	1.6	94	71	62	0	0	2	0
ARIZ. Flagstaff	58	35	68	31	46	-2	1.0	.8	T	6.5	220	85	37	0	3	4	0
ARIZ. Phoenix	87	67	93	63	77	3	T	T	T	1.0	83	38	15	0	0	0	0
ARIZ. Tucson	86	59	89	57	72	2	0	.1	T	1.3	130	27	9	3	0	0	0
ARIZ. Winslow	72	47	78	42	59	-2	T	T	T	1.2	120	--	--	0	0	0	0
ARIZ. Yuma	89	63	97	55	76	-1	0	0	T	.8	160	40	14	5	0	0	0
ARK. Fort Smith	80	52	89	40	66	-2	.2	-.1	.2	6.5	63	93	42	0	0	2	0
ARK. Little Rock	80	56	86	47	68	0	.3	-1.0	.3	12.6	106	75	39	0	0	1	0
CALIF. Bakersfield	77	54	87	44	65	-3	.2	.1	T	2.2	129	--	--	0	0	0	0
CALIF. Eureka	56	46	62	39	51	-1	1.0	.4	T	11.2	132	91	71	0	0	3	1
CALIF. Fresno	76	52	84	46	64	-2	.2	.1	.2	2.3	74	67	25	0	0	2	0
CALIF. Los Angeles	65	56	67	49	61	-4	.1	0	.1	2.4	69	88	63	0	0	1	0
CALIF. Red Bluff	74	53	86	46	64	-2	.5	.2	.4	4.1	89	73	49	0	0	0	0
CALIF. San Diego	67	60	69	57	64	1	.1	0	0	4.3	172	81	66	0	0	2	0
CALIF. San Francisco	62	49	67	45	55	-2	.2	.1	.2	3.3	79	85	58	0	0	1	0
CALIF. Stockton	74	51	86	45	62	-1	.3	.2	T	2.4	71	84	44	0	0	0	0
COLO. Denver	64	47	73	44	55	0	.7	.1	.6	5.0	122	82	46	0	0	4	1
COLO. Grand Junction	68	49	78	45	59	-2	.6	.5	.2	3.1	194	78	42	0	0	5	0
COLO. Pueblo	67	49	78	47	58	-1	.4	0	.2	4.9	196	87	50	0	0	4	0
CONN. Bridgeport	59	47	66	41	53	-3	.7	-.1	.4	14.8	185	74	55	0	0	3	0
CONN. Hartford	68	44	81	36	56	0	.9	-.8	.8	12.3	145	85	43	0	0	3	1
D.C. Washington	76	55	89	45	66	1	.1	-.7	.1	8.5	116	89	45	0	0	2	0
FLA. Apalachicola	80	63	84	55	71	-2	2.3	1.7	1.6	11.5	126	77	58	0	0	3	2
FLA. Daytona Beach	81	62	91	60	71	-2	1.5	1.1	1.0	6.0	95	95	51	1	0	3	1
FLA. Ft. Myers	86	65	88	58	75	-1	.7	.1	.7	2.4	41	92	49	0	0	1	1
FLA. Jacksonville	82	61	90	54	72	-1	1.0	.4	.9	12.1	164	91	53	1	0	3	1
FLA. Key West	82	75	84	72	78	-2	T	-.5	T	4.0	87	79	59	0	0	1	0
FLA. Miami	86	69	88	66	77	0	.9	-.3	.9	8.9	119	91	51	0	0	1	1
FLA. Orlando	85	62	90	59	73	-2	3.2	2.7	3.1	7.9	116	--	39	1	0	2	1
FLA. Tallahassee	83	58	87	51	70	-3	1.1	.3	.8	17.9	167	94	46	0	0	2	1
FLA. Tampa	82	67	86	63	74	-2	2.0	1.6	2.0	8.3	128	94	56	0	0	1	1
FLA. W. Palm Beach	86	64	92	61	75	-1	1.1	.1	1.0	5.0	61	98	49	1	0	2	1
GA. Atlanta	82	57	88	53	69	2	.1	-.8	.1	13.3	117	77	30	0	0	1	0
GA. Augusta	82	51	90	42	67	-3	.2	-.6	.1	13.2	147	89	36	1	0	3	0
GA. Macon	83	57	89	49	70	-2	.3	-.5	.2	14.7	150	88	37	0	0	2	0
GA. Savannah	81	58	89	49	69	-2	.4	-.4	.3	11.8	144	90	45	0	0	4	0
HAWAII. Hilo	--	--	--	--	74	4	1.2	-1.3	--	58.0	196	--	--	--	--	--	--
HAWAII. Honolulu	85	72	86	72	79	3	T	-.3	T	3.9	80	90	59	0	0	2	0
HAWAII. Kahului	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HAWAII. Lihue	--	--	--	--	75	0	.6	0	--	6.6	77	--	--	--	--	--	--
IDAHO. Boise	66	47	83	44	56	0	1.2	.9	.5	4.6	177	89	49	0	0	5	0
IDAHO. Lewiston	70	49	90	41	59	3	.7	.4	.2	2.9	116	80	45	1	0	5	0
IDAHO. Pocatello	60	42	75	38	51	-2	.9	.6	.2	2.9	121	83	53	0	0	5	0
ILL. Cairo	78	56	89	43	67	0	0	-1.2	0	7.0	65	--	--	0	0	0	0
ILL. Chicago	68	43	88	35	55	-1	.1	-.9	.1	5.4	71	67	30	0	0	1	0
ILL. Moline	72	43	87	31	57	-1	T	-.7	T	4.1	54	70	23	0	0	0	0
ILL. Peoria	70	45	86	34	58	-1	T	-.9	T	5.6	65	65	30	0	1	2	0
ILL. Rockford	68	40	86	29	54	-3	T	-.8	T	3.6	47	80	30	0	2	1	0
ILL. Springfield	73	47	88	35	60	-1	.4	-.4	.3	7.0	85	68	27	0	0	2	0
IND. Evansville	76	47	85	34	61	-2	T	-1.0	T	6.7	66	81	31	0	0	0	0
IND. Ft. Wayne	65	43	82	32	54	-3	T	-.8	T	7.3	97	74	34	0	1	2	0
IND. Indianapolis	71	46	85	35	59	-1	.1	-.8	.1	6.5	74	71	29	0	0	1	0
IND. South Bend	67	45	88	36	56	0	.3	-.4	.2	7.4	94	78	42	0	0	0	0
IOWA. Burlington	70	46	86	36	58	-1	.1	-.7	.1	4.9	64	--	--	0	0	2	0
IOWA. Des Moines	71	44	86	34	58	-1	.1	-.8	.1	2.0	31	51	26	0	0	1	0
IOWA. Dubuque	66	40	87	32	53	-3	.2	-.8	.2	3.2	38	75	24	0	1	2	0
IOWA. Sioux City	69	40	83	29	55	-4	T	-.7	T	2.4	51	59	25	0	1	1	0
KANS. Concordia	72	45	83	32	59	-2	.2	-.6	.1	5.1	102	76	29	0	1	3	0
KANS. Dodge City	72	49	83	43	61	-1	.2	-.5	.2	5.0	125	81	38	0	0	1	0
KANS. Goodland	65	43	74	40	54	-3	.2	-.3	.2	5.8	187	83	42	0	0	0	0
KANS. Topeka	72	44	82	30	58	-4	.3	-.5	.3	5.4	78	81	36	0	2	2	0
KANS. Wichita	73	48	88	36	61	-3	T	-.8	T	5.3	88	77	31	0	0	0	0
KY. Lexington	72	49	81	35	60	-2	0	-.9	0	8.8	90	72	33	0	0	0	0
KY. Louisville	75	49	85	37	62	-1	T	-.9	T	7.2	70	75	29	0	0	0	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending May 11, 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-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
LA. Baton Rouge . . .	85	64	89	57	74	1	.4	-.7	.4	23.6	202	87	46	0	0	1	0	
LA. Lake Charles . . .	84	63	87	58	74	0	.1	-1.0	T	10.6	112	86	55	0	0	1	0	
LA. New Orleans . . .	87	66	91	57	76	3	.4	-.5	.3	26.1	244	87	46	1	0	2	0	
LA. Shreveport . . .	81	59	87	50	70	2	T	-1.2	T	9.4	85	95	49	0	0	0	0	
MAINE. Caribou . . .	54	36	71	32	45	-2	1.1	.5	.6	7.0	127	97	54	0	1	5	1	
ME. Portland . . .	56	39	63	30	47	-3	1.6	.8	1.3	12.0	150	95	63	0	1	6	1	
MD. Baltimore . . .	75	49	86	38	62	0	.4	-.4	.2	10.4	135	80	42	0	0	2	0	
MASS. Boston . . .	60	47	68	45	54	3	.7	-.1	.6	10.4	124	79	53	0	0	2	1	
MASS. Chatham . . .	54	45	58	43	49	-2	.3	-.1	.3	9.4	112	73	68	0	0	1	0	
MICH. Alpena . . .	60	37	86	31	48	0	.3	-.3	.2	5.8	112	80	35	0	1	3	0	
MI. Detroit . . .	65	42	85	33	54	2	.2	-.5	.2	8.3	122	80	35	0	0	2	0	
MI. Flint . . .	62	41	83	32	52	-2	T	-.7	T	5.5	92	84	38	0	1	1	0	
MI. Grand Rapids . . .	64	41	84	32	53	-2	.1	-.6	T	5.4	78	85	33	0	1	1	0	
MI. Houghton Lake . . .	59	37	82	30	48	-2	T	-.6	T	4.5	88	91	39	0	3	2	0	
MI. Lansing . . .	63	40	84	30	52	-2	.1	-.6	.1	4.5	71	84	35	0	2	1	0	
MI. Marquette . . .	52	35	65	30	43	-5	.3	-.3	.1	5.2	98	77	51	0	2	4	0	
MI. Muskegon . . .	58	41	72	31	50	-3	T	-.6	T	5.4	83	77	42	0	1	0	0	
MI. S. Ste. Marie . . .	57	35	73	33	46	-1	.3	-.3	.2	4.9	100	91	44	0	0	3	0	
MINN. Duluth . . .	53	36	68	31	45	-2	.4	-.3	.4	1.9	36	72	44	0	2	1	0	
MINN. Internatl. Falls . . .	54	36	69	32	45	-3	.8	-.3	.6	2.1	60	63	41	0	1	3	1	
MN. Minneapolis . . .	63	41	74	36	52	-2	.1	-.6	.1	1.8	39	62	29	0	0	1	0	
MN. Rochester . . .	63	38	76	29	50	-3	.3	-.4	.3	2.3	45	68	30	0	1	1	0	
MN. St. Cloud . . .	60	37	71	29	49	-3	.4	-.3	.4	1.7	36	67	--	0	2	1	0	
MISS. Jackson . . .	81	57	89	48	69	-2	.2	-.9	.2	29.2	247	84	45	0	0	1	0	
MS. Meridian . . .	82	54	88	45	68	-3	.1	-.8	.1	24.6	198	92	45	0	0	2	0	
MO. Columbia . . .	73	48	82	36	61	-2	.2	-.9	.1	5.4	67	59	34	0	0	1	0	
MO. Kansas City . . .	73	46	86	35	59	-3	.2	-.7	.2	4.8	66	72	30	0	0	2	0	
MO. St. Louis . . .	75	53	87	40	64	0	.3	-.5	.3	5.7	70	62	31	0	0	1	0	
MO. Springfield . . .	74	45	88	32	60	-3	.1	-1.0	.1	6.9	77	87	39	0	1	1	0	
MO. Ft. Billings . . .	69	16	78	40	58	5	.7	.3	4	4.0	125	55	29	0	0	2	0	
MT. Glasgow . . .	67	39	80	28	53	0	.2	0	.2	.7	50	51	25	0	2	1	0	
MT. Great Falls . . .	67	44	79	28	55	3	.4	-.1	.3	1.8	64	53	23	0	1	3	0	
MT. Havre . . .	69	40	83	29	54	1	T	-.3	T	1.9	100	51	21	0	1	0	0	
MT. Helena . . .	65	43	79	32	54	3	1.8	1.5	.9	3.6	189	79	41	0	1	3	2	
MT. Kalispell . . .	67	44	82	30	55	6	.5	.2	.3	3.0	130	79	40	0	1	3	0	
MT. Miles City . . .	68	43	77	32	55	1	T	-.4	T	1.0	40	43	17	0	1	0	0	
MT. Missoula . . .	65	44	79	32	54	4	1.6	1.3	.6	4.4	210	90	50	0	1	4	2	
NEBR. Grand Island . . .	70	39	83	26	55	-3	T	-.8	T	4.1	84	58	27	0	1	0	0	
NE. Lincoln . . .	73	42	85	29	57	-3	0	.7	0	3.8	76	64	31	0	1	0	0	
NE. Norfolk . . .	69	41	83	28	55	-3	T	-.7	T	2.1	46	65	23	0	1	0	0	
NE. N. Platte . . .	71	40	80	29	56	0	.1	-.6	.1	3.5	88	72	31	0	1	1	0	
NE. Omaha . . .	68	42	85	27	57	-1	T	-.8	T	2.9	52	85	28	0	1	0	0	
NE. Valentine . . .	66	37	76	21	51	-3	.1	-.5	.1	2.1	64	75	29	0	2	1	0	
NEV. Ely . . .	56	34	72	27	45	-3	1.7	1.5	.8	4.0	190	88	49	0	4	7	1	
NV. Las Vegas . . .	81	59	92	48	70	-1	T	0	T	1.1	137	43	16	2	0	0	0	
NV. Reno . . .	65	41	75	36	53	0	1.0	0	T	1.3	118	73	28	0	0	2	0	
NV. Winnemucca . . .	64	44	76	33	54	2	1.0	.8	.4	2.1	140	78	43	0	0	5	0	
N.H. Concord . . .	62	37	72	30	50	-3	.6	0	.2	7.8	122	90	43	0	1	2	0	
N.J. Atlantic City . . .	70	47	85	38	59	-1	T	-.8	T	12.0	135	91	46	0	0	1	0	
N.J. Trenton . . .	72	52	86	44	62	-2	.5	-.3	.3	11.9	149	--	--	0	0	4	0	
N.MEX. Albuquerque . . .	78	46	84	42	62	-1	T	-.1	T	1.3	130	63	15	0	0	2	0	
NM. Roswell . . .	83	55	90	48	69	3	.3	-.1	.3	1.5	125	--	--	1	0	1	0	
N.Y. Albany . . .	67	40	79	35	54	-1	.4	-.3	.3	8.0	129	93	46	0	0	3	0	
N.Y. Binghamton . . .	65	43	82	36	54	1	.2	-.6	.1	11.9	168	70	34	0	0	2	0	
N.Y. Buffalo . . .	59	44	68	38	52	-1	.2	-.5	T	6.7	96	79	45	0	0	3	0	
N.Y. New York . . .	68	52	86	49	60	1	.6	-.2	.3	15.9	187	68	47	0	0	4	0	
N.Y. Rochester . . .	65	46	83	38	56	2	T	-.6	T	6.2	102	83	38	0	0	1	0	
N.Y. Syracuse . . .	67	44	85	38	56	1	.2	-.5	.1	7.9	111	81	43	0	0	5	0	
N.C. Asheville . . .	74	47	84	37	61	-1	T	-.7	T	12.8	139	90	37	0	0	1	0	
NC. Charlotte . . .	77	51	84	42	64	-3	.1	-.5	.1	10.3	118	85	39	0	0	1	0	
NC. Greensboro . . .	75	47	83	37	61	-4	T	-.6	T	7.9	105	86	37	0	0	1	0	
NC. Hatteras . . .	73	58	82	51	66	-1	T	-.7	T	10.9	142	78	47	0	0	0	0	
NC. Raleigh . . .	79	50	87	38	65	-1	T	-.7	T	6.5	87	90	39	0	0	0	0	
NC. Wilmington . . .	78	56	86	45	67	-3	1.9	1.1	1.0	8.1	101	84	40	0	0	2	2	
N.DAK. Bismarck . . .	64	32	75	22	48	-4	T	-.4	T	.7	24	62	20	0	3	0	0	
ND. Fargo . . .	61	35	75	26	48	-4	T	-.5	T	.6	16	68	25	0	3	0	0	
ND. Williston . . .	62	28	76	17	45	-7	0	-.3	0	.5	22	72	21	0	5	0	0	
OHIO. Akron-Canton . . .	66	44	84	34	55	-1	.8	-.1	.5	8.5	109	76	32	0	0	3	0	
OH. Cincinnati . . .	72	46	86	33	59	-2	.1	-.7	.1	8.0	93	76	33	0	0	1	0	
OH. Cleveland . . .	65	43	85	34	54	-2	.2	-.6	.2	6.8	89	84	35	0	0	3	0	
OH. Columbus . . .	70	43	87	32	57	-2	.3	-.6	.3	5.8	70	75	29	0	1	2	0	
OH. Dayton . . .	69	43	83	32	56	-3	.8	0	.8	8.6	110	78	31	0	1	2	1	
OH. Toledo . . .	66	42	86	31	54	-2	.3	-.4	.2	7.2	113	81	31	0	1	3	0	
OH. Youngstown . . .	65	41	85	32	53	-2	.3	-.6	.4	7.8	96	77	38	0	1	3	0	

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending May 11, 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-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
OKLA.Okla. City . . .	80	56	93	42	68	2	T	- 1.2	T	3.9	54	74	34	2	0	0	0	
Tulsa . . . . .	82	55	94	42	68	1	2.8	- 1.7	2.8	11.5	139	76	39	1	0	1	1	
OREG.Astoria . . . . .	59	44	61	36	51	0	.5	- .2	.4	11.7	99	94	66	0	0	0	0	
Burns . . . . .	62	39	78	35	51	0	.5	.3	.2	1.6	94	91	44	0	0	0	0	
Medford . . . . .	63	44	74	35	54	- 2	.4	.1	.2	3.4	113	83	51	0	0	0	0	
Pendleton . . . . .	65	46	81	41	56	- 1	1.0	.7	.4	3.2	133	--	50	0	0	0	0	
Portland . . . . .	64	50	70	42	57	1	.4	.1	.2	6.1	97	73	61	0	0	0	0	
Salem . . . . .	61	44	68	33	53	- 2	.4	.1	.2	7.5	106	96	62	0	0	0	0	
PA.Allentown . . . . .	71	48	86	37	60	- 2	.4	.5	.2	9.8	115	80	39	0	0	0	0	
Erie . . . . .	60	43	79	31	52	- 2	.2	.6	.2	8.1	111	--	--	0	1	2	0	
Harrisburg . . . . .	72	46	86	37	59	- 2	.3	.5	.2	10.1	138	86	35	0	0	0	0	
Philadelphia . . . . .	73	50	88	40	62	- 1	.7	.1	.4	12.4	155	84	45	0	0	0	0	
Pittsburgh . . . . .	65	43	83	32	54	- 3	.4	.4	.1	9.0	112	80	39	0	1	2	0	
Scranton . . . . .	69	45	84	37	57	1	.2	.6	.1	6.5	97	78	33	0	0	0	0	
R.I.Providence . . . . .	64	47	77	44	55	- 1	.4	.4	.3	14.9	173	77	49	0	0	0	0	
S.C.Charleston . . . . .	84	55	90	44	70	- 2	.5	.2	.5	11.8	140	82	46	1	0	1	1	
Columbia . . . . .	79	50	87	39	65	- 6	1.1	.3	.9	12.8	141	50	40	0	0	2	1	
Greenville . . . . .	77	52	84	44	64	- 3	.2	.5	.1	14.6	138	85	43	0	0	0	0	
S.DAK.Aberdeen . . . . .	64	38	75	29	49	- 4	T	.5	T	2.2	61	63	23	0	0	0	0	
Huron . . . . .	65	35	75	22	50	- 4	.2	.4	.2	1.9	50	76	24	0	3	2	1	
Rapid City . . . . .	64	39	75	27	52	- 1	.4	.2	.3	2.3	57	75	36	0	2	2	0	
Sioux Falls . . . . .	63	35	72	26	49	- 6	T	.7	T	1.4	30	67	25	0	3	0	0	
TENN.Chattanooga . . . . .	77	50	83	40	64	- 3	.3	.5	.3	21.0	191	82	34	0	0	0	0	
Knoxville . . . . .	77	51	83	41	64	- 2	.1	.7	T	11.9	127	79	41	0	0	0	0	
Memphis . . . . .	81	58	86	48	70	0	.1	1.0	.1	18.2	150	71	34	0	0	1	0	
Nashville . . . . .	79	50	87	40	64	- 2	T	1.0	T	10.5	101	79	29	0	0	0	0	
TEX.Abilene . . . . .	84	59	96	50	71	- 1	1.8	.9	1.5	2.6	54	87	41	1	0	0	3	
Amarillo . . . . .	75	49	85	42	62	- 2	.4	.2	.3	2.7	96	70	36	0	0	0	3	
Austin . . . . .	81	64	88	55	72	- 1	1.9	1.0	1.0	7.7	113	84	56	0	0	0	2	
Beaumont . . . . .	84	63	88	57	74	- 1	.1	1.0	.1	8.4	97	92	52	0	0	0	2	
Brownsville . . . . .	86	70	92	65	79	1	T	.5	T	.1	4	91	53	2	0	1	0	
Corpus Christi . . . . .	85	66	87	63	76	- 1	.3	.4	.3	.9	21	90	56	0	0	0	1	
Del Rio . . . . .	88	66	92	60	77	1	1.6	1.1	1.6	3.9	130	85	41	4	0	0	1	
El Paso . . . . .	87	57	89	46	72	2	T	.1	T	.6	67	50	13	0	0	0	0	
Fort Worth . . . . .	84	60	89	48	72	1	.7	.4	.7	4.5	53	87	44	0	0	0	3	
Galveston . . . . .	78	69	82	61	74	- 1	2.0	1.3	1.3	6.4	105	87	72	0	0	0	2	
Houston . . . . .	85	64	89	55	74	0	.4	.7	.2	9.0	115	95	53	0	0	0	2	
Lubbock . . . . .	83	55	91	47	69	3	T	.7	T	1.7	59	71	24	2	0	0	0	
Midland . . . . .	83	54	90	48	69	- 1	.4	.1	.4	1.8	95	89	25	1	0	0	2	
San Angelo . . . . .	86	60	93	53	73	0	.1	.5	T	1.0	56	95	39	3	0	0	2	
San Antonio . . . . .	84	64	90	55	74	- 1	.6	.1	.6	3.9	75	86	49	2	0	0	2	
Victoria . . . . .	84	66	90	60	75	0	1.4	.5	1.4	3.8	67	93	56	1	0	0	1	
Waco . . . . .	79	60	85	49	70	- 3	1.6	.5	.8	8.0	99	94	64	0	0	0	3	
Wichita Falls . . . . .	85	55	99	45	70	1	.3	.8	.2	2.0	30	85	34	2	0	0	3	
UTAH.Blanding . . . . .	64	42	74	34	53	- 2	.7	.6	.4	2.8	147	78	42	0	0	0	6	
Salt Lake City . . . . .	65	49	76	43	57	0	1.1	.7	.6	4.5	105	77	48	0	0	0	5	
VT.Burlington . . . . .	65	42	73	40	54	1	.9	.3	.5	5.7	108	87	50	0	0	0	3	
VA.Lynchburg . . . . .	76	46	85	34	61	- 2	.2	.5	.2	9.0	127	81	--	0	0	0	1	
Norfolk . . . . .	76	53	86	41	65	0	1	.6	T	6.6	96	75	37	0	0	0	2	
Richmond . . . . .	78	50	91	36	64	- 1	T	.8	T	8.9	124	81	37	1	0	0	2	
Roanoke . . . . .	76	46	85	33	61	- 2	.1	.7	.1	10.1	140	88	29	0	0	0	1	
WASH.Colville . . . . .	71	50	85	40	60	7	1.1	.8	.4	5.0	208	--	--	0	0	0	4	
Omak . . . . .	72	47	83	42	60	5	.7	.5	.5	2.6	130	69	--	0	0	0	3	
Quillayute . . . . .	60	42	66	34	51	1	.6	.6	.3	19.2	95	97	63	0	0	0	4	
Seattle-Tacoma . . . . .	64	47	68	43	55	2	T	.4	T	5.4	84	76	48	0	0	0	0	
Spokane . . . . .	69	48	85	42	58	5	.4	.1	.2	2.4	75	82	44	0	0	0	5	
Walla Walla . . . . .	68	51	78	45	60	1	.5	.1	.3	3.0	86	84	51	0	0	0	5	
Yakima . . . . .	72	49	79	39	61	4	.2	.1	.1	1.4	140	51	36	0	0	0	3	
W.VA.Beckley . . . . .	69	43	77	30	56	- 1	.1	.7	.1	7.9	92	80	35	0	1	2	0	
Charleston . . . . .	74	26	84	32	60	- 3	.3	.5	.2	9.8	117	73	29	0	1	2	0	
Huntington . . . . .	73	47	85	32	60	- 3	.5	.3	.3	8.1	95	84	32	0	1	2	0	
Parkersburg . . . . .	71	45	84	35	58	- 4	T	.8	T	6.8	83	82	33	0	0	0	0	
WISC.Green Bay . . . . .	61	40	82	29	50	- 2	.3	.4	.3	4.1	76	82	45	0	1	1	0	
La Crosse . . . . .	65	48	82	41	56	0	.2	.6	.2	2.6	45	69	37	0	0	0	1	
Madison . . . . .	62	36	87	29	49	- 5	.1	.6	.1	3.2	57	87	39	0	0	4	1	
Milwaukee . . . . .	64	41	88	33	52	1	.1	.5	.1	4.0	84	73	32	0	0	0	1	
WYO.Casper . . . . .	62	36	70	31	49	- 2	1.4	1.0	.8	3.2	103	83	43	0	0	4	1	
Cheyenne . . . . .	58	40	67	34	49	- 1	1.0	.5	.3	3.5	100	87	56	0	0	0	5	
Lander . . . . .	60	41	69	32	51	0	1.7	1.1	1.2	5.3	118	84	44	0	1	4	1	
Sheridan . . . . .	66	40	77	30	53	1	1.2	.7	.7	3.3	79	81	28	0	1	2	2	
P.R.San Juan . . . . .	94	77	96	76	86	7	.2	- 1.2	.2	4.2	57	90	53	7	0	0	1	

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 1° subnormal, 10° subnormal 10th. Rains 7th, 8th heaviest south central, lightest northern half.

Fieldwork: 4.8 days suitable. Soil moisture adequate. Planting progress: Corn 83%, 81% 1979, 79% average; cotton 76%, 83% 1979, 82% average; peanuts 64%, 69% 1979, 67% average; soybeans 13%, 18% 1979, 19% average; sorghum 19%, 14% 1979. Plowing 85% complete. Some cotton replanting. Pastures good condition.

**ALASKA:** Week was warm and dry with varying amounts of precipitation in some portions of State.

Continued dry weather through the Tanana Valley and Matanuska Valley allowed fieldwork as more fields firmed up. Fertilization preparation increased. Prospects new growth hay fields good throughout railbelt. Seeding barley and oats increased to 20%. Potato planting underway. Top-soil moisture short to mostly adequate; subsoil adequate. Activities include livestock care and vegetable planting.

**ARIZONA:** Precipitation ranged from near zero in deserts to nearly 1.00 in. central mountains. Average temperatures varied from 3° above normal in deserts to 4° below normal in mountains.

Small grain harvest has begun. Color rapidly turning. Cotton 97% planted, 94% last year. Corn 65% planted. Sorghum planting continued. Buds evident on safflower. Sugarbeet harvest will begin this week. Alfalfa haying continues most areas in 3d cutting. Lettuce harvest closing, Salt River Valley, beginning Cochise County. Potato harvest underway Salt River Valley but limited. Harvest dry onions expected this week. Mixed vegetables harvest central, southeast making seasonal progress. Grapes excellent progress, harvest expected late May. Deciduous fruit sizing well, some fruit approaching golf ball size. Valencia, grapefruit harvest active, groves appear very good condition, new crop prospects good. Range, pasture conditions mostly fair. Stock water, soil moisture short to adequate. Cattle, calves in fair condition. Pastures, ranges supplying below average to average feed.

**ARKANSAS:** Temperatures generally below normal. Extremes: 91 and 29°.

Rice and cotton plantings advanced. Fieldwork 6.0 days suitable. Soil moisture short northern counties, adequate to surplus elsewhere. Soybean seeding 9% complete, 5% 1979, 9% average. Rice planting 76% completed, 54% 1979, 75% average. Early planted rice needs moisture. Cotton plantings 72%, 36% 1979, 52% average. Corn planting 71% complete, 58% 1979, 77% average. Sorghum planting 63%, 42% 1979, 57% average. Wheat, oats good condition and heading. Apple trees fruiting. Peach trees good condition. Spraying orchards. Strawberries and watermelons progressing. Harvest of strawberries underway. Tomato prospects good. Pastures average condition. Cuttings of alfalfa and fescue underway. Cattle good condition.

**CALIFORNIA:** Week began with fair, hot weather over California, but by midweek storms began to edge closer and weeks end a storm center moved directly across northern California. This resulted in varying amounts of rain over the entire state with heaviest amounts in the north.

Cotton 98% planted. Most up to good stand. Rice 69% planted, 67% a year ago. Small grains mostly headed, early fields nearly mature. Wheat harvest about to begin. Field corn, dry beans, sugarbeet plantings continue. Apples fair. Apricots fair. Desert peach harvest complete. Early variety peach harvest begun. Navel orange quality variable, harvest slow. Valencia orange quality good. Almonds good. Broccoli moderate supply Central Coast. Cauliflower supplies steady. South Coast celery expected to increase sharply this week. Sweet corn harvest started Coachella Valley. Lettuce harvest ended San Joaquin Valley increasing Central Coast. Melons in good shape. Onion harvest to increase sharply. Freezer peas slowing. Strawberries diverted to processing. Sweetpotato harvest nears completion. Tomatoes in good condition, light fresh market supplies. Foothill ranges continue to mature. Feed conditions excellent. Livestock movement summer pastures active. Stock water supplies excellent. Bee colonies being moved into vegetable fields, San Joaquin Valley.

**COLORADO:** Showers prevailed during the week. Temperatures near normal to 2° above west, while the east ranged from normal to 3° below.

Winter wheat very good condition. Barley seeded 85%, 87% 1979, 92% average. Oats seeded 65%, 79% 1979. Corn seeded 32%, 70% 1979, 80% average. Sugarbeets seeded 75%, 96% 1979, 99% average. Fieldwork: 2.5 days suitable. Ranges and pastures good condition. Livestock good condition. Fuel supplies adequate.

**FLORIDA:** Showers and thundershowers 5th through 8th over interior sections. Heavy thunderstorms on the 9th in many areas. Rainfall averaged 0.50 in. Panhandle and south and near 1.50 in. north and central. Temperatures averaged 1 to 2° below normal.

Soil moisture mostly adequate. Corn, tobacco making fair progress. Peanut planting practically complete. Soybean planting underway but progress slow. Sugarcane good condition. Harvest of small acreage oat, hay complete. Wheat maturing, yield prospects variable. Grazing mostly good to excellent. Cattle, calves generally good condition. Rains improved citrus grove condition. New crop fruit progressing very well. Valencia harvest continues active. Grapefruit slowing with supplies running out. Condition good to very good some crops while others declining seasonally, completing harvest. Fruit set good, fruit sizing well. Quality, size, yields variable, fair to very good; some excellent. Overall vegetable shipments up 6% from previous week. Supplies okra, watermelons increased considerably; carrots, cucumbers, peppers, potatoes, radishes, tomatoes also increased. Snap beans, celery, eggplant held steady but shipments cabbage, chinese cabbage, sweet corn, escarole, lettuce, parsley, squash decreased. Potatoes to complete harvest Dade County this week. Harvest increasing Hastings area. Sharp increase expected this week. Quality good, size variable early diggings. Spring harvest complete central, southern areas. Harvest to begin Panhandle area in June. Watermelon harvest slow southwest area as mild nights holding back fruit maturity. Quality, size mostly good. Vines holding up well. Overall crop condition good west central area. Melons sizing very well. Light harvest expected late this week.

Plant condition improved southeast. Vines covering beds, fruit set improved, fruit sizing well. Yield prospects fair to good. First cuttings expected mid-May. Crops making fair progress all other areas but cool nights slowing growth, development.

GEORGIA: Rainfall up to 2.00 in. in south, drier other areas. Temperatures near normal.

Soil moisture adequate south and extreme north, short central. Fieldwork: 5.0 days suitable. Planting and fruit tree spraying active. Corn 94% planted, last year 97%, average 94%, fair to good condition. Tobacco 100% transplanted, same last year and average, poor to fair condition. Blue mold still a problem. Watermelons 93% planted, last year 95%, average 93%, fair to good condition. Cotton 78% planted, 91% last year, average 86%, fair to mostly good condition. Peanuts 67% planted, last year 91%, average 83%, fair to good condition. Soybeans 15% planted, last year 26%, average 22%, fair to good condition. Small grains fair to good. Apples and peaches fair to mostly good. Vegetables fair to good. Cattle and hogs good. Pastures fair to mostly good. LP gas, diesel fuel and gasoline 93% adequate.

HAWAII: Weather favorable. Temperatures rising.

Field activities back to normal all islands. Crops making fair to good progress. Yields increasing for most crops. Vegetable supplies adequate. Tomato fields on Island of Hawaii active harvest. Banana supplies light. Heavy production papayas some fields. Moisture level adequate. Pineapple harvesting continues. Sugar harvesting in full swing with drier weather. Pastures generally fair to good. Fuel supplies adequate.

IDAHO: Temperatures 2 to 13° above normal. Extremes: 93 and 27°. At least 0.01 in. rainfall all areas, many over 1.00 in. Above normal amounts except in south central.

Spring wheat 95% planted, 76% 1979, 74% average. Spring barley 95% planted, 66% 1979, 72% average. Potatoes 60% planted, 45% 1979, 43% average. Dry peas 100% planted, 50% 1979, 73% average. Sugarbeets 100% planted, 80% 1979, 89% average. Lentils 100% planted, 36% 1979, 70% average. Field corn 30% planted, 45% 1979, 22% average. Showers improved spring seeded crops and pastures. Spring wheat 75% emerged; 50% 1979. Spring barley 70% emerged; 40% 1979. Sugarbeets 70% emerged; 50% 1979. Few acres potatoes up. Dry peas 75% emerged; lentils 80% emerged. Winter wheat 40% jointed; 10% in boot. Sheep ranchers shearing. Cattle and sheep being moved.

ILLINOIS: Temperatures near normal. Precipitation up to 0.50 in. southwest, none to 0.25 in. other areas.

Moisture mostly short. Corn planting 86% complete, 27% 1979, 52% average. Winter wheat mostly good, 5% headed, 3% 1979, 32% average. Alfalfa mostly good. Soybean planting 29% complete, 1% 1979, 10% average. Pastures mostly good, supplying 85% livestock roughage requirements, 79% 1979, 80% average. Fieldwork: 7.0 days suitable.

INDIANA: Weekend showers very valuable. Averaged 0.10 in. northwest and southeast, and 0.30 to 0.50 in. in central and east. Temperatures near normal. Extremes: 29 and 88°.

Fieldwork: 7.0 days suitable. Topsoil moisture mostly short. Subsoil moisture adequate. Spring planted cropland 95% plowed, 1979 85%, average 90%. Corn 70% planted, 1979 35%, average 40%. Corn 10% emerged, 1979 5%. Soybeans 10% planted, 1979 5%, average 5%. Wheat condition good. Wheat 12 in. high, 1979 12 in., average

15 in. Wheat 55% jointed, 1979 60%. Oats 100% seeded, 1979 90%, average 90%.

IOWA: Cool, dry week. Spotty light to moderate showers during late week. Subfreezing temperatures to 24° on the 9th at Grinnell, Oakland and Atlantic.

Fieldwork: 7.0 days suitable. Corn 89% planted, 1979 26%, normal 53%. Corn 21% emerged. Soybean acreage 13% planted, 1979 0%, normal 8%. Oats 89% emerged, 1979 49%. Topsoil moisture short. Subsoil moisture mostly adequate. Cover crops fair condition, slow growth. Livestock in good condition. Market movement variable, some heavier than normal livestock.

KANSAS: Moisture averaged from 0.10 to 0.30 in. Varied from little or none to locally near 1.00 in. with some heavier showers or thunderstorms. Temperatures averaged 10 above normal to 30° below normal.

Corn planting 45% complete, last year 30%, average 45%. Sorghum planted at 5%, last year 4%, equal to average. Soybeans 5% planted last year 1%, average 5%. Alfalfa 3% first cut. Fieldwork: 5.5 days suitable.

KENTUCKY: Extremely dry entire State. Temperatures cooler than normal, averaging 1 to 2° below normal.

Fieldwork: 5.8 days suitable. Soil moisture mostly short. Corn planting 65% complete, last year 33%, average 50%. Soybean planting 9% complete, 3% last year and 4% average. Tobacco plants in poor to fair condition and mostly small. Dry weather has necessitated watering of beds and cool weather has hampered growth. Plant size of a dime or less 55%, size of quarter 30%, size of half dollar or larger 15%. Wheat 33% headed. First cutting alfalfa underway in west. Pastures generally in good condition.

LOUISIANA: Rain scattered. Greatest amount 1.65 in. Temperatures 1° below to 3° above normal. Extremes: 48 and 91°.

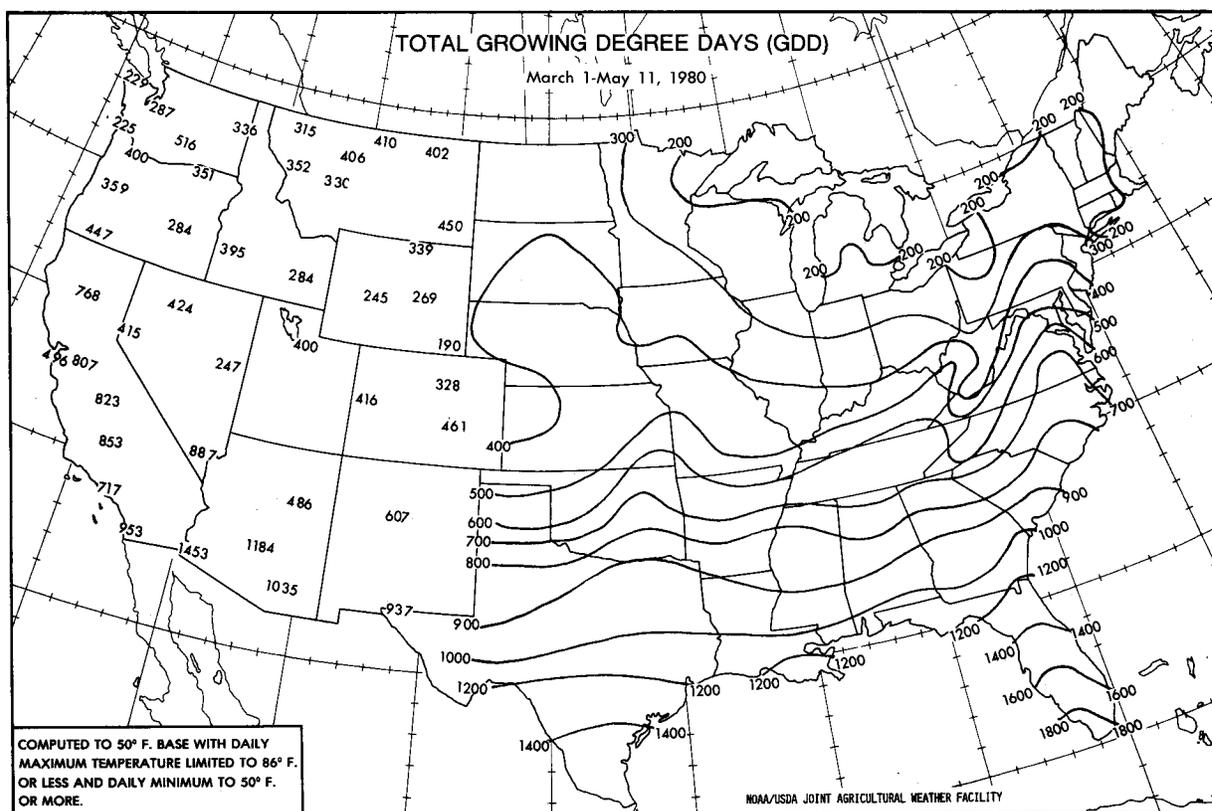
Soil moisture adequate. Fieldwork: 4.9 days suitable. Corn planted 87%, 89% 1979, 87% average. Corn emerged 75%, 84% 1979. Condition fair to good. Cotton planted 47%, 47% 1979, 57% average; emerged 16%, 20% 1979. Rice planted 90%, 86% 1979, 90% average; emerged 85%, 81% 1979. Condition fair to good, water mold, bronzing causing concern. Sorghums planted 17%, 27% 1979, 30% average; emerged 13%. Soybeans planted 9%, 8% 1979, 13% average. Sugarcane condition fair. Small grains good condition, 95% headed. Pastures, livestock good. Haying underway. Vegetables fair. Sweet potatoes planted 32%, 31% 1979, 23% average. Strawberry harvest slowing.

MARYLAND & DELAWARE: Temperatures averaged 2 to 3° above normal. Extremes: Upper 70's and 50's. Precipitation very light, averaging 0.27 in.

Plowing for corn progressing well. Corn planting 40%, 45% last year, 50% normal. Planting of soybeans in progress in a small area. Small grains in good condition. Barley and rye headed out. Hay crop growing rapidly. Peach crop has excellent set. Some thinning underway. Apples in good condition.

MICHIGAN: Temperatures near to slightly below normal. Lowest readings at or near freezing. Precipitation below normal.

Soil moisture mostly adequate. Plowing 70% complete, 65% last year, 68% normal. Corn 25% planted, 20% last year, 28% normal. Oats 70% planted, 60% last year, 72% normal. Sugarbeets 90% planted, 72% last year, 79% normal. Potatoes



35% planted, 36% last year, 37% normal. Asparagus 10% cut, same last year, 14% normal. Apples in pre-pink. Cherries pre-pink north, full bloom south.

**MINNESOTA:** Temperatures averaged 2 to 3° below normal. Extremes: 91 and 21°. Precipitation averaged near normal to more than 0.50 in. below normal. Precipitation totals were 0.50 in. or less.

Topsoil moisture very short. Some farmers holding off further planting in hopes of moisture soon. Germination, emergence spotty. Growth slow. Herbicide effectiveness reduced due to dry weather, cool temperatures. Small grain planting essentially completed. Ground prepared: Corn 90%, 1979 19%, normal 54%; soybeans 58%, 1979 4%, normal 31%. Planted: corn 75%, 1979 4%, normal 39%, soybeans 20%, 1979 0%, normal 11%; spring wheat 98%, 1979 12%, normal 60%; oats 96%, 1979 30%, normal 64%; barley 95%, 1979 3%, normal 49%; sunflowers 41%, 1979 0%, normal 20%; flax 38%, 1979 2%, normal 30%; sugarbeets 97%, 1979 4%, normal 60%; potatoes 38%, 1979 2%, normal 28%.

**MISSISSIPPI:** Temperatures 3° below normal. Extremes: 36 and 86°.

Soil moisture mostly adequate. Fieldwork: 4.9 days suitable. Planting activity moved along in full swing with cotton and rice planting moving ahead of last year and the average. Sorghum 19% planted, 19% 1979, 19% average. Sweetpotatoes 17% planted, 21% 1979, 24% average. Peanuts 88% planted, 21% 1979. Watermelons 79% planted, 89% 1979. Soybeans 7% planted, 6% 1979, 11% average; 1% up to stand, 2% average. Rice 79% planted, 46% 1979, 69% average; 45% up to stand, 28% 1979, 46% average. Wheat good to fair condition; 7% ripe, 17% 1979. Cotton 72% planted, 35% 1979, 57%

average; 23% up to stand, 13% 1979, 30% average. Corn 76% planted, 72% 1979, 75% average; 44% up to stand, 52% 1979; crop in fair to good condition. Peaches fair to good condition. Pastures good to fair condition. Fuel supplies adequate.

**MISSOURI:** Weather dry, spotty rainfall in north. Precipitation averaged less than 0.10 in. Temperatures 5° below normal south, slightly above normal elsewhere.

Fieldwork: 6.4 days suitable. Plowing 89% completed, last year 67%, normal 78%. Corn 77% planted, last year 22%, normal 58%. Grain sorghum 28% planted, last year 4%, normal 21%. Soybeans 16% planted, last year 1%, normal 12%. Cotton 69% planted, last year 24%, normal 67%. Wheat 10% headed, last year 15%, normal 52%. Condition of winter wheat and pastures mostly fair to good. Topsoil moisture supply short. Fuel supplies for farmwork adequate.

**MONTANA:** Heavy rains up to 3.00 in. fell over parts of southwest and west also received heavy rainfall. Immediate area along the east slopes of Continental Divide from Butte to Glacier Park received heavy amounts of rain and snow. Very light or no rain fell over northeast and southeast sections.

Moisture supplies continue short except in west. Fieldwork: 6.0 days suitable. Winter wheat condition fair. Spring wheat 85% planted, 15% 1979, 50% average. Barley 80% planted, 25% 1979, 50% average. Oats 75% planted, 15% 1979, 45% average. Sugarbeets 95% planted, 60% 1979, 70% average. Potatoes 35% planted, 20% 1979, 30% average. Corn 80% planted, 20% 1979, 30% average. Dry beans 40% planted, 10% 1979, 20% average. About 45% of spring wheat and barley emerged. Range feed sup-

plies mostly short. Stock water supplies short to adequate. About 45% of cattle and sheep moved to summer pastures.

NEBRASKA: Precipitation mostly over western third of State; scattered thunderstorms averaging 0.15 in. Eastern two-thirds trace reported. Temperatures near or little below normal.

Winter wheat condition rated 17% excellent; 40% good; 43% fair. Jointing 35% complete; 15% last year. Corn planting 65% complete; 20% last year; 40% normal. Sorghum 15% planted; last year and normal less than 5%. Soybean planting 10% complete; less than 5% last year, 5% normal. Sugarbeet planting virtually complete. Topsoil moisture condition rated short. Subsoil moisture adequate. LP gas, diesel and gasoline supplies 10% surplus, 90% adequate. Fieldwork: 6.9 days suitable.

NEVADA: Cold, scattered rain and snow showers over northern area from midweek to end of period. Minimum temperatures well above normal and maximum temperatures below normal. Extremes: 92 and 27°.

Cold night temperatures hampered crop growth. Fieldwork slowed by gusty winds. Sheep shearing and lambing well along. Calving on schedule. Livestock moving to summer ranges.

NEW ENGLAND: Fair weather interrupted by rain and drizzle midweek. Precipitation amounts 1.00 in. in Maine and 0.50 in. to 1.00 in. elsewhere. Temperatures near normal.

Farmers are continuing with fieldwork as weather permits. Fieldwork: 2.0 to 5.0 days suitable. Up to 25% of the corn crop is planted in the south. Rhode Island potato planting is behind schedule. Apples just starting to bloom. Peaches from blossom bud to full bloom. Sweet corn and peas are up in the south and show no unusual problems. Pasture conditions short to adequate. Soil moisture adequate to surplus and fuel supplies adequate.

NEW JERSEY: Temperatures averaged near normal. Extremes: 30 and 89°. Rainfall averaged 0.25 to 0.65 in.

Soil moisture in percent of field capacity, averaged 89 north, 87 central, and 74 south. Four in. soil temperature averaged 54° north, 59° central and 60° south. Fieldwork: 4.7 days suitable. Preparation and planting active during the period. Early planted vegetables making good growth. Irish potato planting almost complete. Early strawberries sizing. Blueberries in bloom. Barley and oats in head. Field corn planting continues. Early plantings up. Preparations continued for sc beans. Oats are making growth, some late planting continues.

NEW MEXICO: Higher temperatures and scattered showers with some hail throughout the week.

Soil moisture short to adequate. Hail reported in Quay, Curry, and Roosevelt Counties with severe damage to crops some areas in Quay. Cotton and alfalfa good condition, 70% of cotton planted, 75% 1979, 71% average. Light to moderate damage from the alfalfa weevil Bernalillo County, cut worm damage in Chaves, Quay and San Juan Counties. First cutting underway in southern Dona Ana County. Irrigated wheat and barley good condition dryland poor to fair, 50% headed. Fruit sets in apple orchards fair to good. Onions and chile good condition, lettuce harvest slowing. Ranges fair to good, some forced sales of cattle in Portales area from lack of grass.

NEW YORK: Temperatures averaged near normal. Rainfall averaged below normal except for locally heavy amounts.

Corn planting 15% done, 18% 1979, 18% average. Oat planting 48% done, 66% 1979, 65% average. Planting of vegetable crops progressed normally. Sweet cherries in full bloom. Late Ontario tart cherries in full bloom. Champlain Valley apples at tight cluster stage. Hudson Valley peaches approaching full bloom.

NORTH CAROLINA: Temperatures 3 to 5° above normal first of week, dipping to 10 to 15° below normal late week. Precipitation 0.25 in. to 0.75 in., insufficient.

Fieldwork: 5.9 days suitable. Soil moisture short to adequate, declining. Conditions: Wheat, oats, barley, rye mostly good, declining; tobacco beds mostly good, declining; field tobacco mostly fair to good, declining; corn fair to mostly good, improving; cotton fair to good; Irish potatoes mostly good, improving; peaches fair to mostly good, improving; truck crops fair to mostly good, improving. Plantings: Corn 98%, 1979 91%, average 88%; cotton 82%, 1979 84%, average 73%; peanuts 59%, 1979 50%, average 42%; sweetpotatoes 5%, 1979 17%, average 18%; sorghum 18%, 1979 21%, average 24%; soybeans 14%, 1979 21%, average 17%; flue-cured tobacco 58%, 1979 65%, average 61%; burley tobacco 1%; green peppers and spring snaps 75%; tomatoes and summer cabbage 50%; summer snaps and summer cucumbers 33%; watermelons 80%. Tobacco plant supplies remain adequate.

NORTH DAKOTA: Dry weather continued. No rain fell over most of the north and central portions. The southeastern section received amounts from 0.27 to 0.40 in. Temperatures averaged about 2° below normal but dry conditions caused wide variations of temperature. Extremes: 16 and 85°.

Frost on as many as 3 mornings damaged some crops, especially alfalfa and barley in northern and south western portions of the State. Seeding continued ahead of normal. Percents planted with current progress last year and average: Hard red spring wheat 74, 2, 38; durum wheat 65, less than 1, 26; barley 69, 1, 34. Percents of grain crops emerged are hard red spring wheat, 40, durum wheat, 25; oats, 31; and barley, 32. Flax planting is 20% complete. Row crops planted percents are sugar beets, 98; sunflower, 11; corn, 21; soybeans, 20; dry edible beans, 10; and potatoes, 49.

All growing crops rated mostly poor to fair. Moisture supplies short. Crops emerging to uneven stands. Pastures mostly poor. Supplemental feeding needed for more than half or forage requirements.

OHIO: Temperatures averaged zero to 6° below normal. The range was from 27 to 87°. Little damage to fruit or vegetables from the freeze. Precipitation ranged from 0.03 to 1.39 in.

Corn planted 70%, 50% 1979, 50% average. Soybeans planted 20%, 15% 1979, 15% average. Potatoes planted 55%, 55% 1979, 60% average. Sugarbeets planted 95%, 90% 1979, 90% average. Oats planted 95%, 90% 1979, 95% average. Oats 40% emerged. Wheat 20% jointed. Fieldwork: 6.5 days suitable. Pasture condition good. Soil moisture short to adequate.

OKLAHOMA: Temperatures ranged from 1 to 3° below normal in northwest third of State with averages of 1 to 2° above normal elsewhere. Rainfall reported in all divisions of State, with

largest amounts in the northeast division which averaged 1.29 in.

Wheat prospects excellent. Spring planting and tillage activities slowed by wet fields. Native grasses making excellent growth and providing ample forage with little supplemental feeding needed. Wheat jointing 90%, 100% 1979, 100% average; wheat heading 30%, 65% 1979, 80% average. Seedbed preparations: Cotton 65%, 75% 1979, 70% average; sorghum 75%, 85% 1979, 70% average; corn 95%, 100% 1979, 100% average. Sorghum 5% planted, 5% 1979, 10% average; corn 45% planted, 55% 1979, 60% average. Fieldwork: 5.2 days suitable.

OREGON: Temperatures normal to 6° above normal. Precipitation 0.05 to 1.25 in. Additional rainfall over weekend.

Soil moisture supplies mostly adequate. Winter wheat condition mostly good; some spotty areas. Other grains, hay and seed crops good. Fertilizing continuing. Apple thinning underway. Pear sets favorable; some scab problems. Strawberry blooming and setting. Franquette walnuts in early bloomstage. Vegetables good condition; sweet corn and snap beans still being planted. Late potatoes going in; early potatoes up. Livestock condition good. Range and pastures fair to excellent. Some grasshoppers reported.

PENNSYLVANIA: Rainfall 0.50 to 1.00 in. Temperatures averaged near to 5° below normal. Extremes: 38 and 23°.

Fieldwork: 6.0 days suitable. Soil moisture mostly adequate. Plowing 77%, behind last year's 35%. Corn 30% planted, 38% last year, 29% average. Oats 84% planted, last year 90%. Potatoes 49% planted, behind last year's 63%. Soybeans 10% planted, last year 7%. Barley 27% booted, same as last year; 6% headed, last year 12%. Wheat 13% booted, last year 30%. Hay conditions mostly good. Feed from pastures average. Peaches 73% in or past full bloom, same as last year. Apples 55% in or past full bloom, 62% last year.

PUERTO RICO: Island average rainfall 0.04 in. or 1.50 in. below normal. Temperatures averaged about 81 to 83° on coasts and 77 to 78° interior. Extremes: 98 and 54°.

SOUTH CAROLINA: Cool and dry. Scattered light rain, generally too light to relieve dry conditions.

Soil moisture short. Fieldwork: 6.0 days suitable. Corn fair to good condition, 40% cultivated; planting at 96%. Need more soil moisture for good germination. Cotton condition fair, 91% planted, 97% last year, 86% average. Some soybean planters waiting for rain, 7% planted, 18% last year, 17% average. Tobacco 97% transplanted. Tobacco fair to good with cultivation, sidedressing applications. Peaches fair to good due to previous cool, wet weather. Squash harvest started. Snap beans 89% planted. Vegetable conditions fair to good except tomatoes good to excellent. Pastures, hay, small grain conditions fair to good. Dry weather keeping grain heads from filling out well. Wheat turning color 13%; oats, 17%.

SOUTH DAKOTA: Precipitation scattered, but light. Average temperatures 1° above to 8° below normal. Extremes: 88 and 16°.

Fieldwork continued making good progress, some producers waiting for adequate moisture before planting. Fieldwork: 6.0 days suitable. Topsoil moisture short. Winter wheat and rye fair, under stress due to lack of moisture. Spring grains 85% emerged, under stress from lack of moisture and freezing temperatures. Alfalfa damaged by freeze,

too early to fully assess extent of damage. Livestock good, ranges poor to fair with slow growth. Feed adequate, water short and some dams have poor quality water. Soybeans 5% planted, 1979 0%, average 3%. Flaxseed 53% planted, 1979 8%, average 35%. Corn 36% planted, 1979 2%, average 19%. Oats 100% planted, 1979 69%, average 82%. Barley 100% planted, 1979 59%, average 79%. Spring wheat 100% planted, 1979 66%, average 82%.

TENNESSEE: Temperatures averaged near normal to 3° below normal. Rains generally 0.50 in. or less.

Fieldwork: 5.5 days suitable. Soil moisture adequate. Spring plowing 85% completed, 1979 74%, average 79%. Corn 75% planted, 1979 68%, average 55%. Cotton 70% planted, 1979 36%, average 50%. Soybeans 10% planted, 1979 3%, average 7%. Tobacco 5% transplanted, 1979 2%, average 7%. Blue mold reported in plantbeds. Small grains good. Wheat 70% headed, 1979 78%, average. Oats 60% headed, 1979 75%, average 68%. Pastures fair, cattle good. Gas and diesel fuel supplies adequate.

TEXAS: Scattered showers occurred beginning of week. Temperatures were slightly above normal Wichita Falls-Abilene area and slightly below normal west of the Pecos River. Elsewhere, temperatures near normal. Rainfall above normal in most areas. Over central North Texas rainfall above average by near 1.00 in. Other areas were below normal by up to 1.00 in.

Rains over much of State provided relief to moisture stressed crops but were not significant enough to alleviate dry conditions. Additional moisture needed for crop development. Hail reported scattered areas, causing some light damage. Cool temperatures stalled growth of early planted crops and delayed planting of cotton, sorghum. Cotton planting progress slow. Producers High Plains, northern Low Plains await warmer soil temperatures. Cotton 25% planted. Planting continues Edwards Plateau, Rio Grande Valley, many fields squaring. American-Pima cotton progressing well, in good condition despite cool temperatures, windy, dry weather. Corn planting continues and is nearing completion. Corn 91% planted, slightly behind last year, average of 93%. Stands good condition, showing improvement due to recent rains. Cultivation continued South, Central Texas, lower Rio Grande Valley. Some fields in South tasseling early because of dry conditions. Sorghum planting continues. Major planting activity occurring Edwards Plateau, Cross-Timbers, Blacklands. Planting 69% complete, well ahead last year. Many fields emerged, stands in good condition. Planting picking up Plains where cool soil temperatures, dry conditions delayed progress. Central, South Texas, Rio Grande Valley sorghum crop still moisture stressed despite rain showers. Some fields short of moisture beginning to head prematurely, very poor head formation. Rice seeding nearly complete. Weather good for development, stands in good condition, making excellent growth. Some fields being flooded. Emergence reached 90%. Peanut planting continued slow pace, progress made Edwards Plateau, South Texas. Land preparation continued Central Texas, planting to begin shortly. Planting 13% complete compared with 11% last year. Small grains showing effects of dry conditions. Some fields Central, East Texas showing improvement from recent rains. Wheat conditions continue to vary throughout State. Irrigated fields in good condition while some dryland fields thin and yields expected down from last year. Rains helped many fields in Central, East Texas, Blacklands but arrived too late for many fields Plains, southern districts. Numerous fields South Texas Coast,

Coastal Bend being grazed out. Oat and barley fields in need of moisture to help improve growth.

In Lower Rio Grande Valley, onions, carrots, cabbage harvested good volume. Squash, okra, tomatoes continued to make good progress. Light supplies okra, squash available. Tomatoes blooming, fruiting heavily. Hail damage affected few fields melons. Peppers recovering from wind damage. San Antonio-Winter Garden area, onion harvest continued. Cucumbers for pickles made excellent growth. First spring potatoes ready to be dug. Dryland melons damaged by wind and growth slowed by dry weather. In south central Texas, vegetables making excellent growth. Tomatoes, peppers blooming. In East Texas, high moisture, cool temperatures caused some plant disease, however, most vegetables making good growth. Some replanting has been necessary. In North Texas, vegetable growth slowed by cool weather, however, onions made excellent growth. Some watermelons planted. Some hail damage occurred. In Trans-Pecos area, chili peppers, onions made good growth. Lettuce beginning to head. On High Plains, onions began to root down. Potatoes continued to emerge but slowed by cool temperatures. Green peppers being planted. Rain caused some problems for newly planted carrots. Pecan trees reached full bloom most areas. Young nut clusters visible many areas. Spraying zinc, insecticide continued.

Ranges, pastures benefited from additional moisture which fell across much of State. Cooler temperatures accompanied rain and slowed growth. Moisture needed to help relieve existing drought conditions many areas. General rains still needed as some areas received only light or no precipitation. Forage growth becoming available following earlier showers and reducing needs for supplemental feeding. Livestock in fair to good condition.

Cotton planted 25%, 26% 1979, 32% average. Rice planted 99%, 92% 1979, 97% average. Rice emerged 90%. Sorghum planted 69%, 63% 1979, 65% average. Wheat headed 41%. Corn planted 91%, 93% 1979, 93% average. Peanuts planted 13%, 11% 1979, 20% average. Soybeans planted 2%, 1% 1979, 3% average. Sunflowers planted 7%, 8% 1979, 8% average.

UTAH: Recurring periods rain in valleys, snow in mountains most sections. Average temperatures continued variable ranging from 3° below normal to 7° above. Marked improvement in soil moisture due to general precipitation.

Fieldwork came to a halt as moderate to heavy rain spread across the State. Fieldwork: 4.8 days suitable. Planting making good progress, nearing completion for small grains. Spring wheat 94% planted and 75% emerged, barley 96% planted and 73% emerged, and oats 78% planted and 52% emerged. Soil moisture adequate to surplus. Corn planting little behind normal at 40% complete. Cattle and sheep in good condition as the calving and lambing season ends and the breeding season begins. Ranges will be in excellent condition if warm weather follows the recent rains.

VIRGINIA: Temperatures near normal. Scattered light frost weekend. Extremes: 91 and 72°. Precipitation light. Soil temperature ranged 6 to 69°.

Topsoil moisture mostly adequate. Fieldwork: 4.7 days suitable. Seeding progress: corn 65%, 75% 1979, 72% average; soybeans 8%, 8% 1979, 11% average; peanuts 70%, 60% 1979, 49% average. Tobacco: flue-cured 5% transplanted, 12% 1979, 19% usual; fire-cured 2% seeded, 6% 1979, 8% average. Cool weather, flea beetles southwest hurt some burley seedings. Hay condition good to excellent, alfalfa baled north, first cutting

active elsewhere. Pastures providing ample grazing. Small grain, fruit prospects mostly good. Frost near end of period hurt early tomato sets north, strawberries southwest. Sheep shearing active.

WASHINGTON: West: Temperatures slightly above normal. Precipitation averaged 0.2 to 0.8 in. below normal. Planting sweet corn, green peas. Harvesting field rhubarb, winter cauliflower. Strawberries in bloom. Dairymen green chopping. Fields drier than normal.

East: Temperatures averaged 3 to 5° above normal. Precipitation averaged 0.1 to 0.5 in. above normal. Bean, dry pea, corn planting continues. Some late potato planting. Orchards in good condition; apple bloom spreading, chemical thinning. Asparagus cutting active. Spring grain planting winding down. Grain crop conditions reported good. Grasshoppers hatching; many in some localities.

WEST VIRGINIA: Temperatures averaged below normal except in the northeast where they averaged well above normal. Extremes: 50 and 22°. Frost latter part of week. Precipitation below normal.

Soil moisture adequate. Fieldwork: 4.8 days suitable. Main activities: Plowing, planting, gardening. Wheat and barley good to fair. Oats fair to good, 72% planted, 81% 1979. Corn fair to good, 23% planted, 37% 1979. Tobacco fair to poor, beds 89% planted, 64% emerged, 100% and 79% 1979. Pasture and hay good to fair.

WISCONSIN: Temperatures 4° below normal. Week began with highs in upper 80's and low 90's 5th, turned sharply cooler as cold front passed through. Scattered light frost several mornings. Precipitation continued mostly light although showers weekend brought some relief. Rainfall ranged from 0.10 to over 1.00 in.

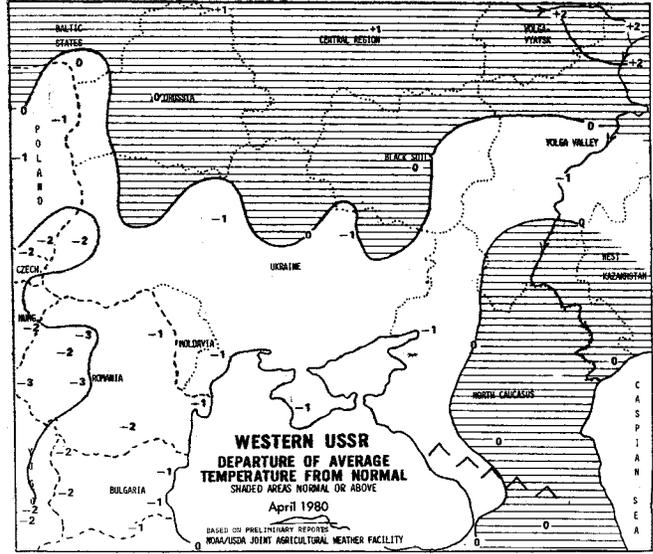
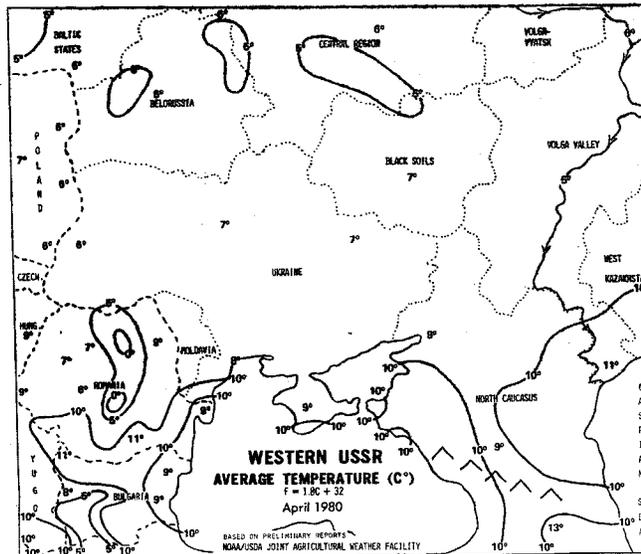
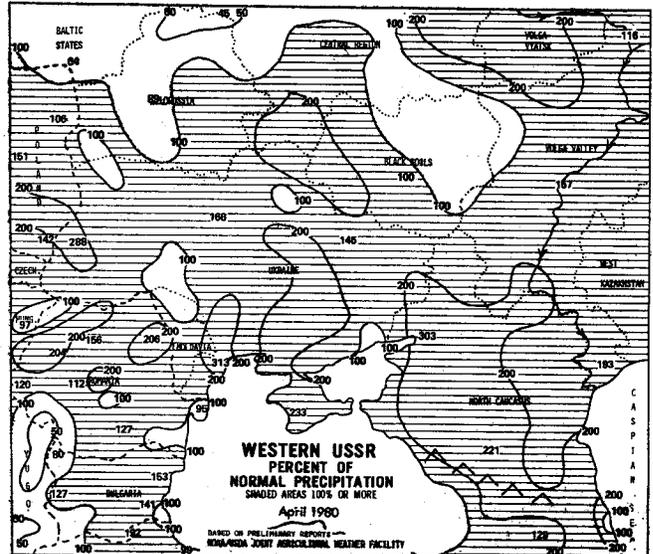
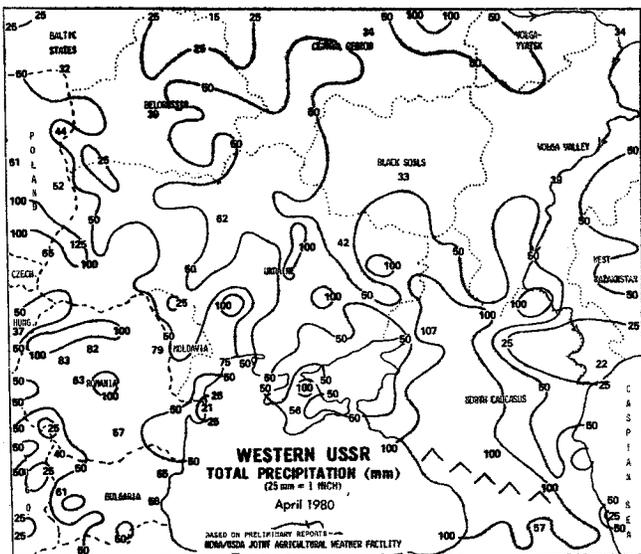
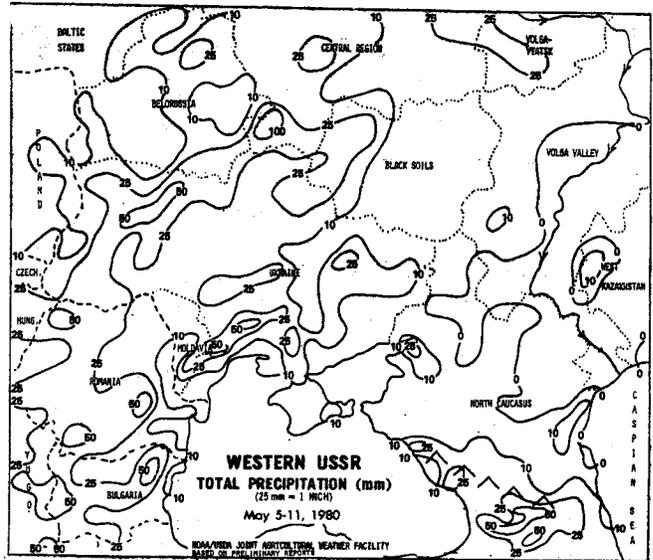
Planting progress rapid in dry weather. Fieldwork: 7.0 days suitable. Oats 95% seeded, 1979 40%, normal 75%. Early oats emerged, needs rain. Corn 40% planted, 1979 10%, normal 25%. Some farmers done planting corn. Rain needed for seed germination and activation of chemicals. Some early corn emerged. Soybeans 2% planted, 1979 zero, normal 1%. Spring plowing 80% complete, 1979 35%, normal 60%. Ground worked up nice this spring, fewer wet areas than usual. Hay and pastures growing slower than normal due to insufficient moisture. Some severe winterkill on older hay stands, poor fields being plowed up. Potato planting near completion central and south, continuing north. Mid to late season peas being planted. Sweet corn planting on schedule. Most tobacco beds seeded. Apple trees in full bloom except north. Cherries in bloom east central and southeast. Topsoil moisture mostly short, subsoil moisture adequate. Streamflow below normal. Fuel supplies adequate.

WYOMING: Mild weather with varied precipitation. Temperatures 1 to 7° above normal. Precipitation mostly below seasonal normals. Fieldwork: 5.0 days suitable. Topsoil moisture short to adequate. Acreage planted: spring wheat 69%; oats 66% barley 79%; sugarbeets 96%; corn 36%; potatoes 16%. Acreage emerged: spring wheat 49%; oats 32%; barley 55%; sugarbeets 40%. Winter wheat, alfalfa prospects mostly good. Roughage requirement from grazing, cattle 79%; sheep 77%. Spring calves born 90%. Range ewes lambed 51%. Farm flock ewes lambed 92%. Range sheep shorn 56%. Farm flock sheep shorn 82%. Fuel supplies adequate.



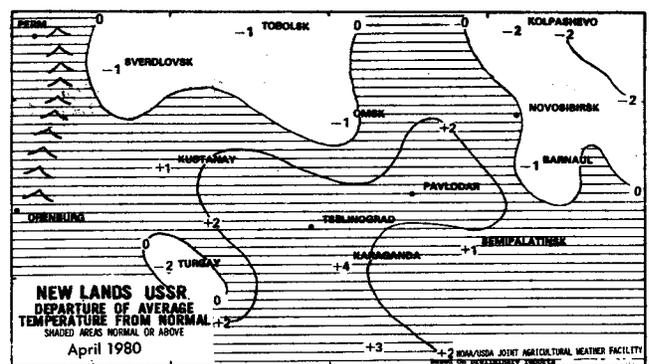
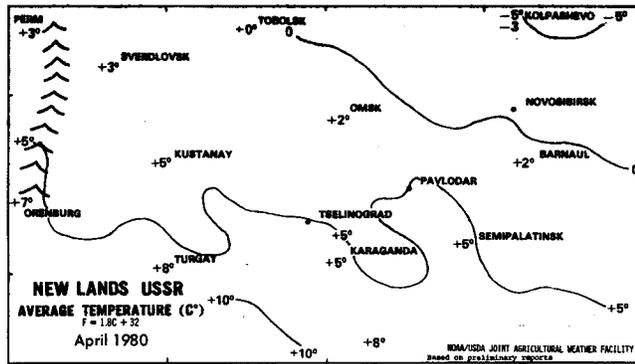
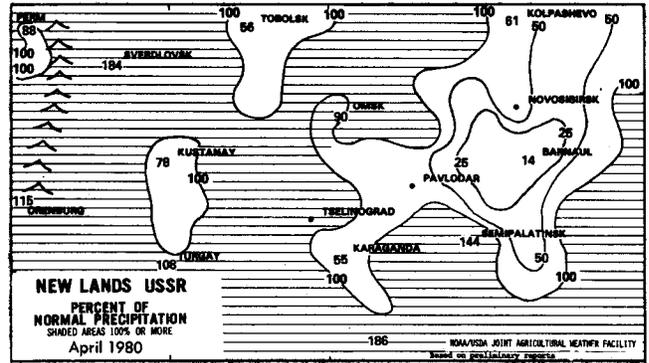
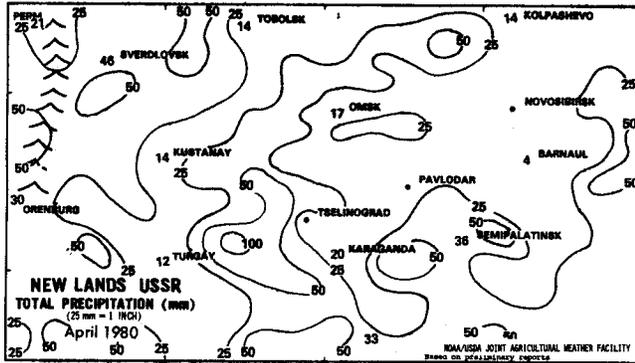
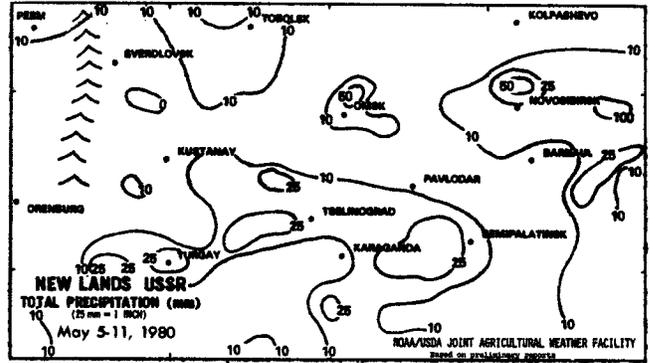
**WESTERN USSR.** Large than normal amounts of rainfall continued over most of the Ukraine, with the heaviest totals falling in the western and southern portions. This pattern resulted from the stagnation of a high pressure system over north-eastern European Russia, which brought moisture from the Black Sea northward over the Ukraine. Wet conditions have prevailed over most of southern European USSR since early March, hindering spring fieldwork from the beginning. Small grains have finally been sown in the Ukraine, but maize planting is just getting underway.

Weather turned drier in the North Caucasus and the lower Volga Valley where April precipitation had often exceeded twice-normal. April temperatures in the grain belt neared normal following March's low readings, but this did not allow crop development to catch up to normal. Sowing of small grains advanced northeastward into the Volga Valley and southern Urals.

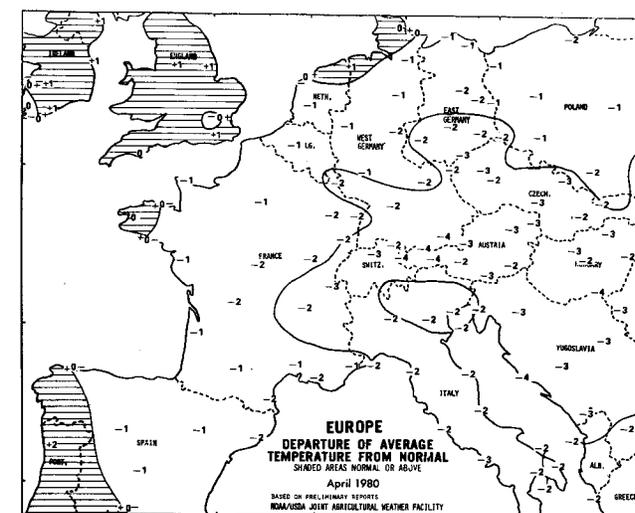
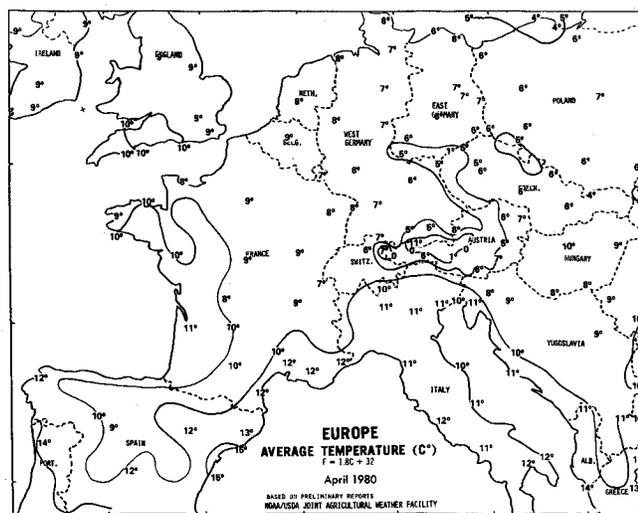
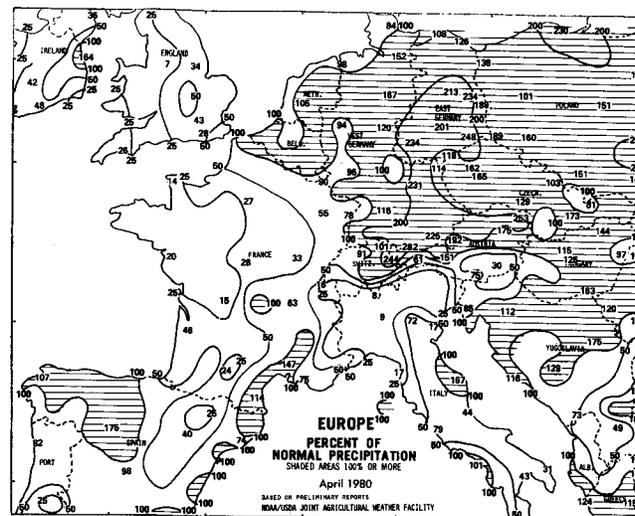
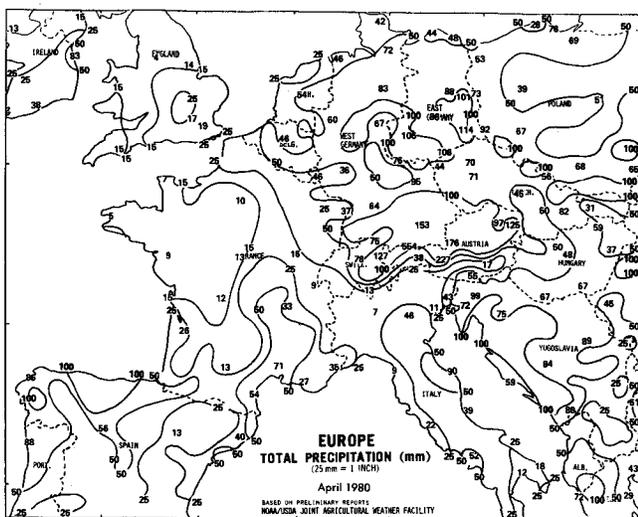
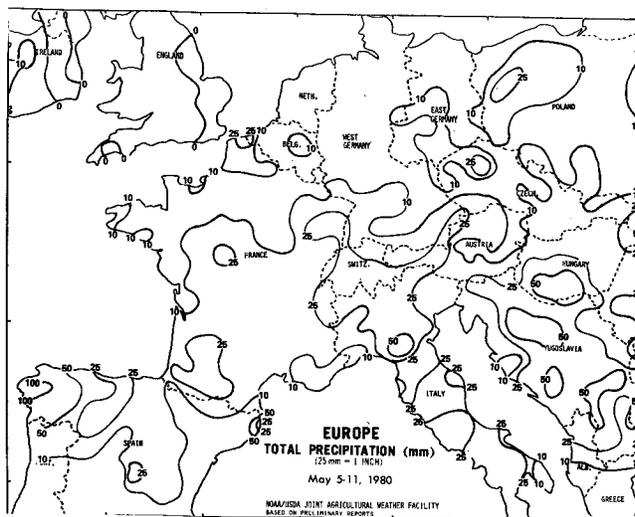


**NEW LANDS AND SOUTH CENTRAL ASIA.** Above-normal rainfall occurred over much of the New Lands--most significantly, 10 to 20 mm in eastern parts which had been dry in April and much of the winter. This improved soil moisture as the planting season approached. Other above-normal rainfall occurred in a broad band in south central portions where planting begins first. The rain was triggered mainly by a low pressure system which moved through the region on the 7th and 9th of May. Temperatures in April ran well above normal in most areas, and conditions in much of the region are now favorable for spring grain sowing.

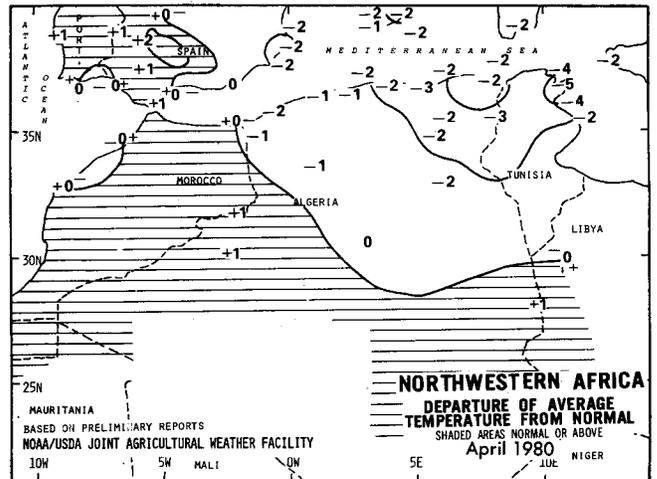
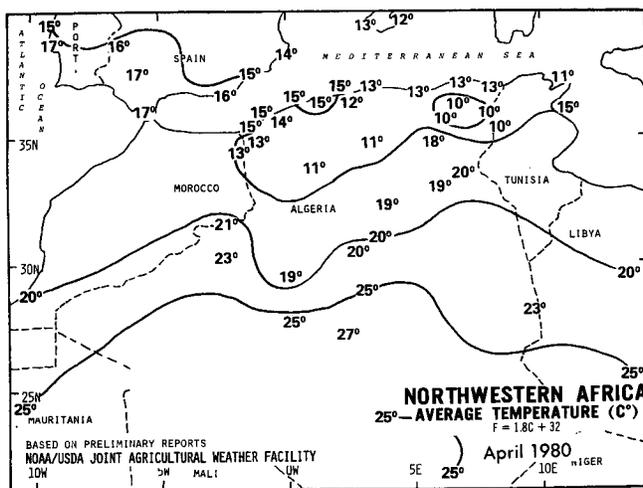
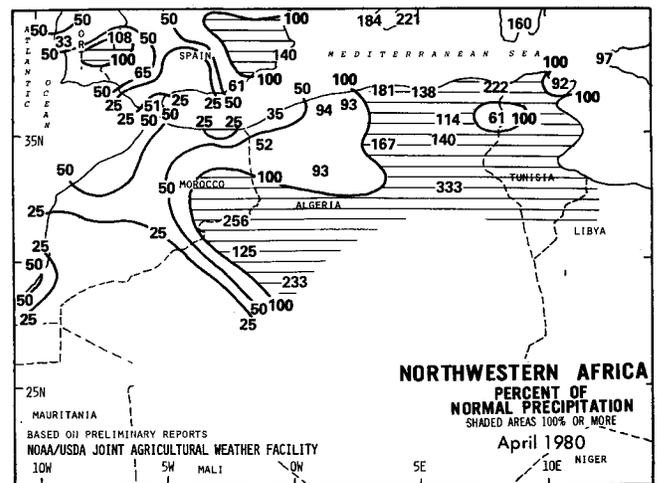
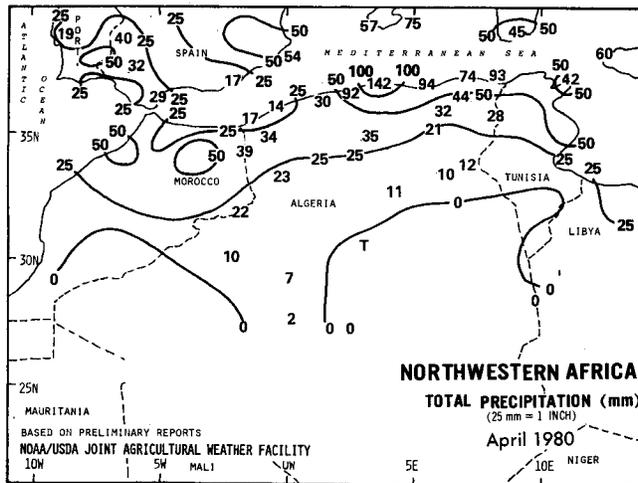
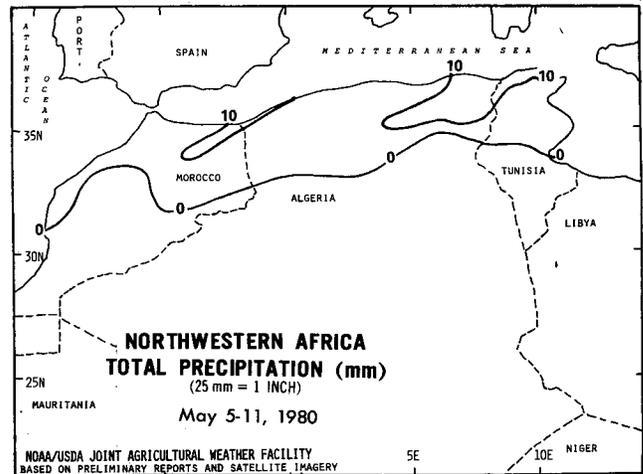
Near-normal rainfall prevailed in most cotton areas in April as planting neared completion late in the month. April temperatures ranged above normal and got the growing season off to a good start. Rainy weather so far in May has probably not caused too many problems for the young plants.



**EUROPE.** Major rain-producing systems generally followed the pattern of the preceding week, tracking through the Mediterranean and southern Europe and dropping mostly above-normal amounts of precipitation in those areas. This moisture created conditions not particularly favorable to maturing winter grains; however, no damage is anticipated. Minor disturbances affecting northern Europe resulted in mostly below-normal amounts for a second consecutive week, reversing a trend which had developed in April. Western and eastern Poland received somewhat above-normal rainfall. Winter grains in nearly all countries had quite adequate moisture; however, conditions in England were becoming a little too dry for crops, because precipitation since early April has remained below normal. Temperatures over the continent stayed cooler than normal, with greatest departures (3-4 degrees) occurring in the southeastern countries. These conditions delayed development of crops somewhat but not seriously.



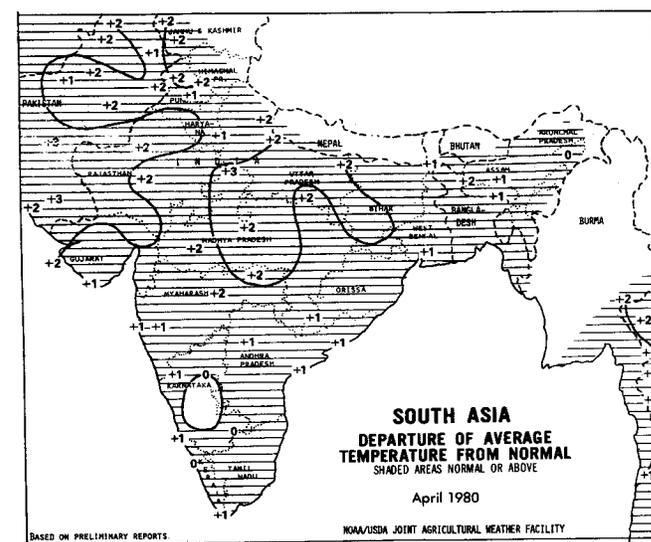
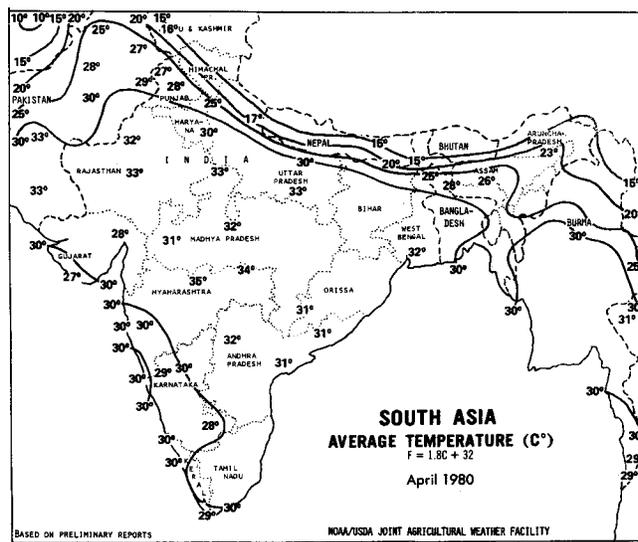
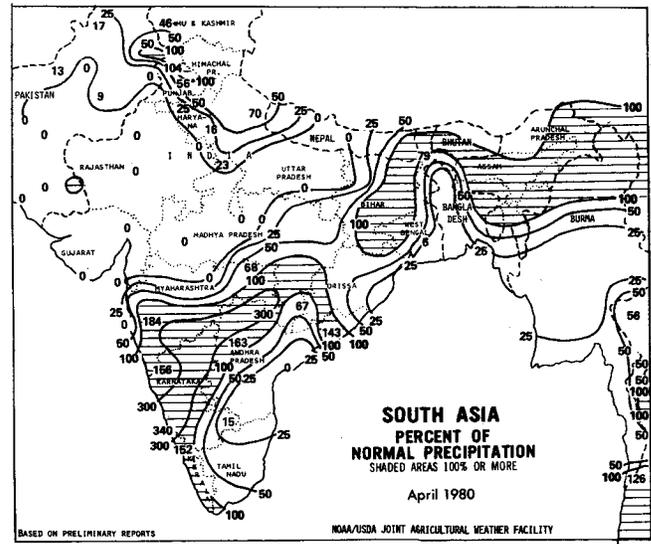
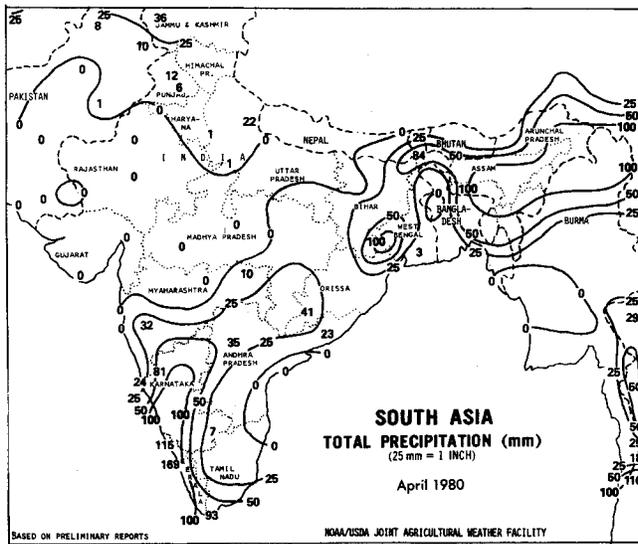
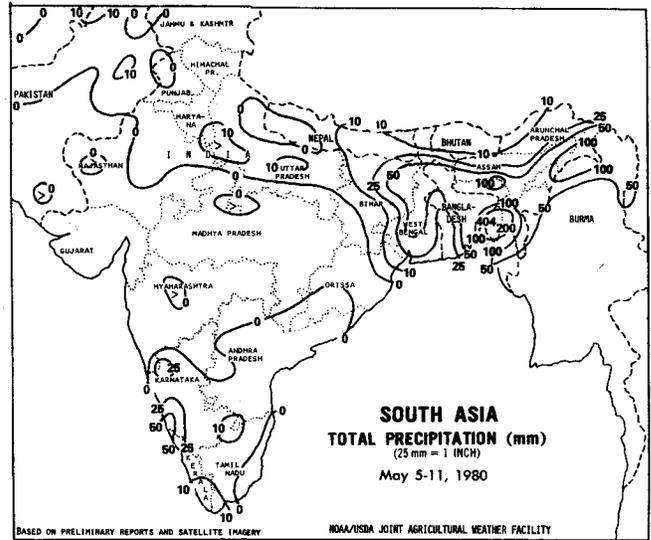
**NORTHWESTERN AFRICA.** Storms that brought heavy rain to many northwestern African crop areas last week have shifted further north, improving harvest weather in Morocco and parts of Algeria. Relatively heavy rains in late April had raised concerns about a successful winter grain harvest. Wet weather continued in Tunisia and eastern Algeria during much of last week, a pattern which has persisted since early March, and conditions have not been favorable for harvesting.



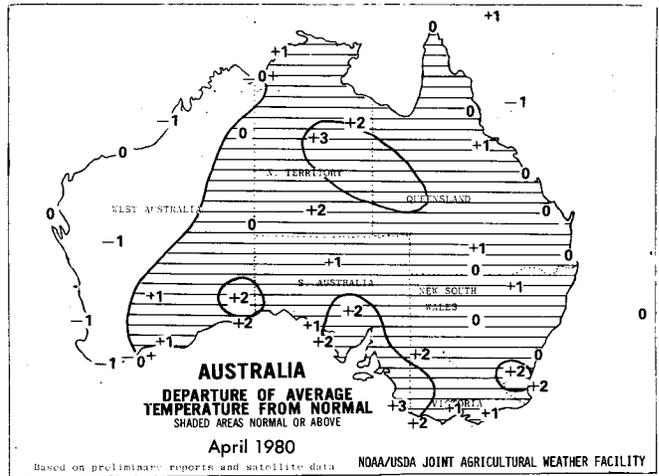
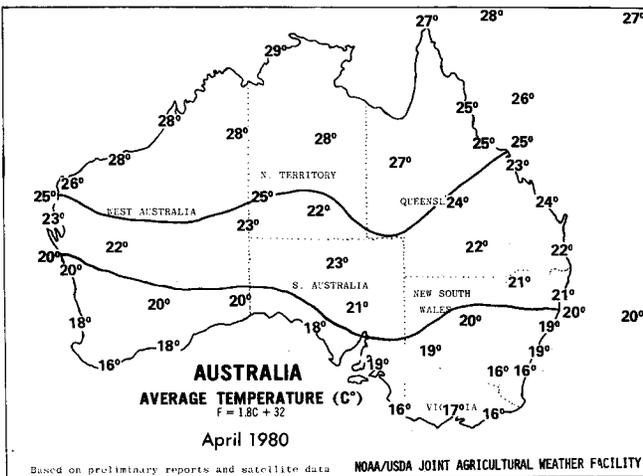
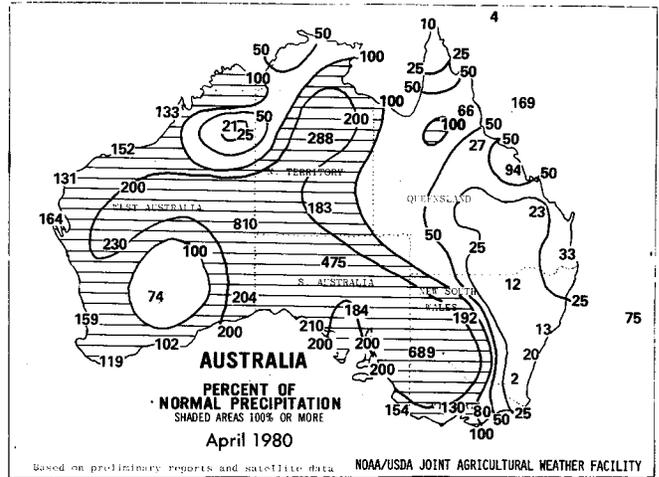
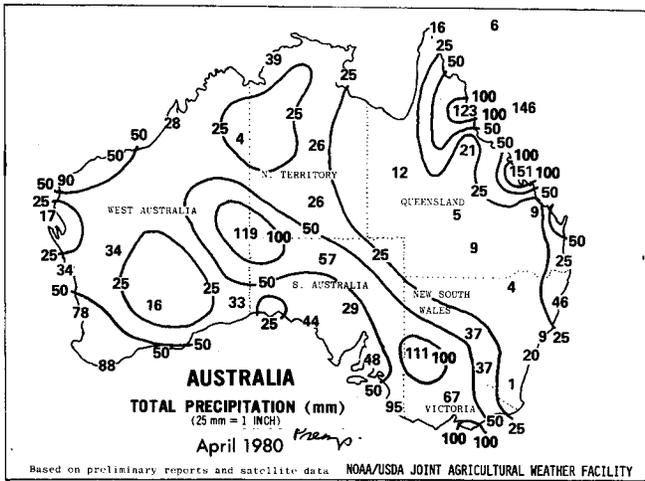
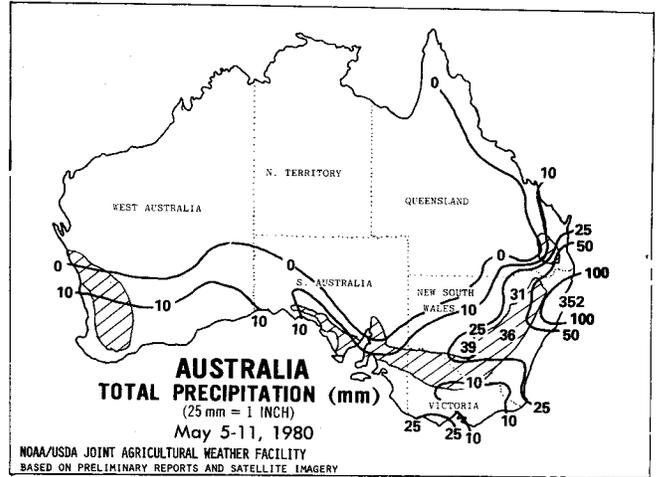


**SOUTH ASIA.** Isolated showers in India's northern winter wheat area during the week light amounts received in April had little agricultural impact. Conditions remained favorable for wheat harvesting.

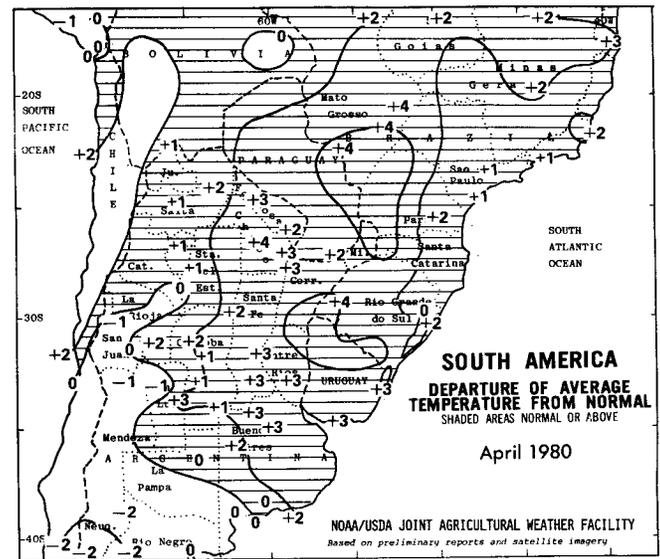
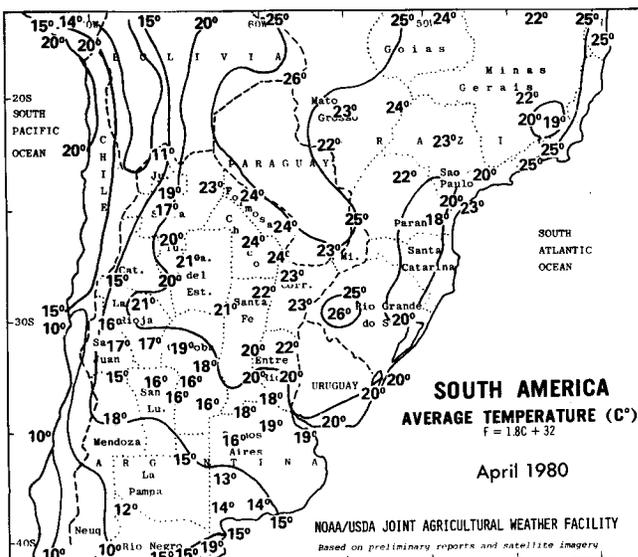
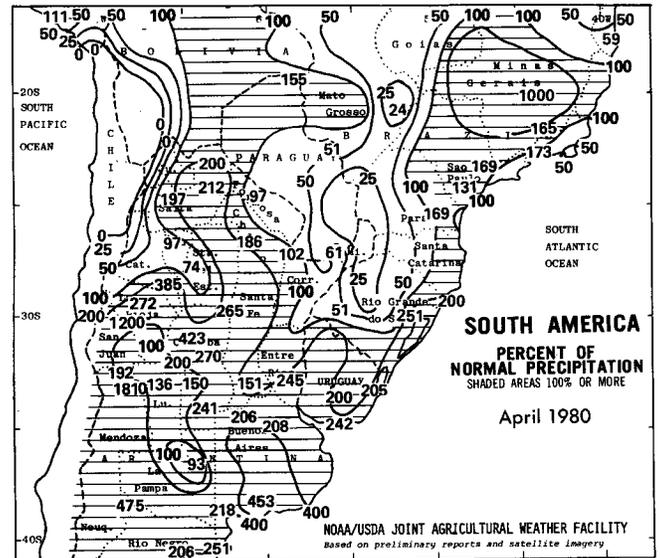
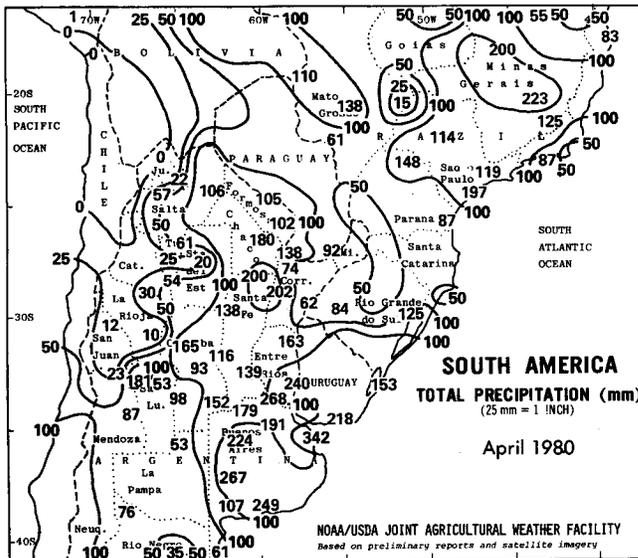
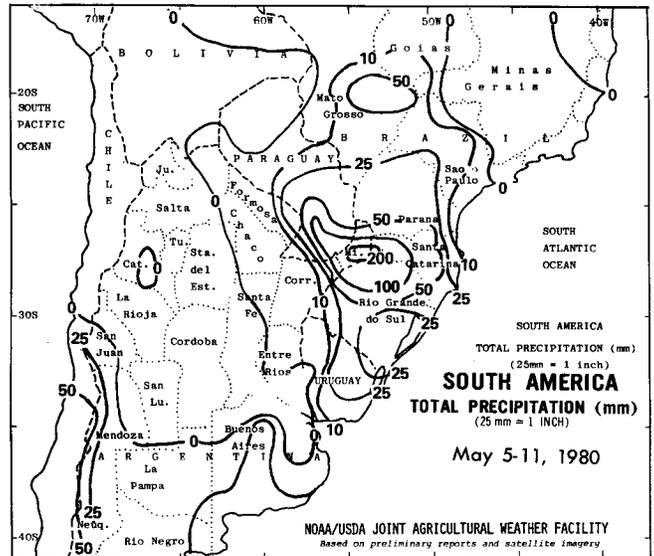
Elsewhere, the rainfall pattern of April continued with light showers in the south and east of India, and heavier showers in and around Bangladesh. Some locations received excessive rainfall. April rainfall had decreased below normal in Bangladesh, but relatively abundant rains had been falling since the first of the year, and the outlook for planting appears good.



**AUSTRALIA.** Rain fell in almost all the major crop areas from two separate storm systems during the week. One storm dropped near-normal amounts of rain through Victoria and southern parts of West Australia and South Australia, a good follow-up to abundant rainfall in late April. A second system moved in from the east and spread general rain over drought-stricken areas in New South Wales, many of which had received little rain since January. Reported values for the week were near normal amounts for the entire month of May, and although not totally alleviating the drought, will allow winter grain sowing to begin over much of New South Wales. Crop areas in Queensland remained relatively dry.

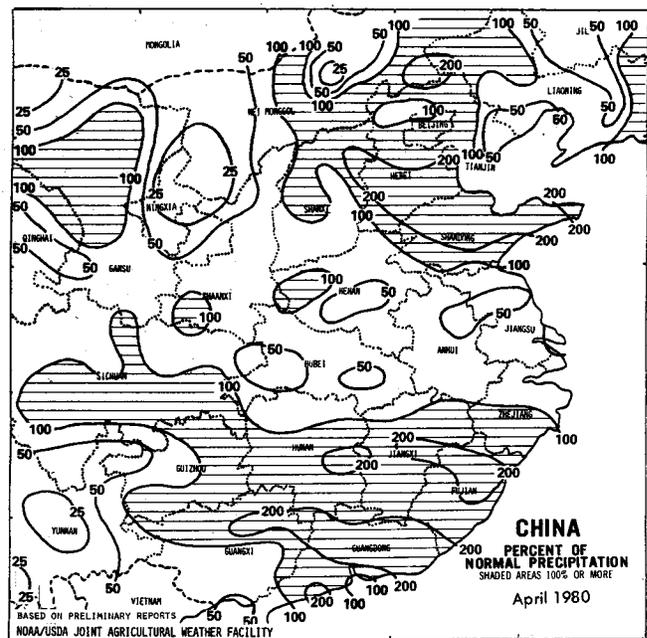
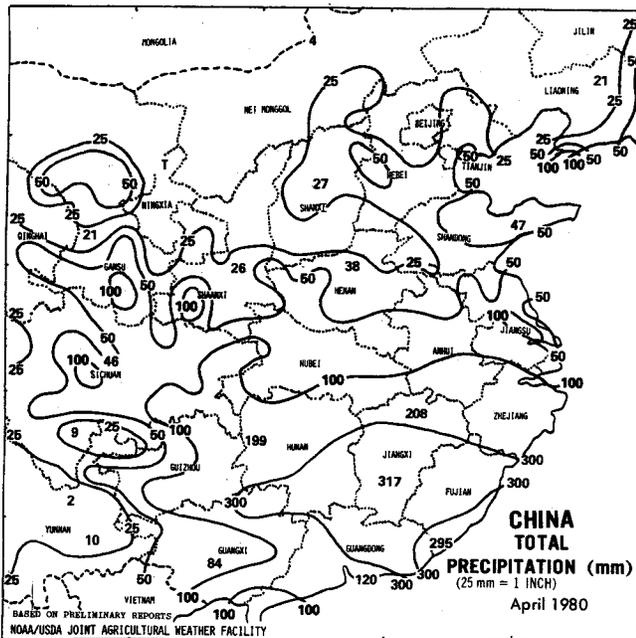
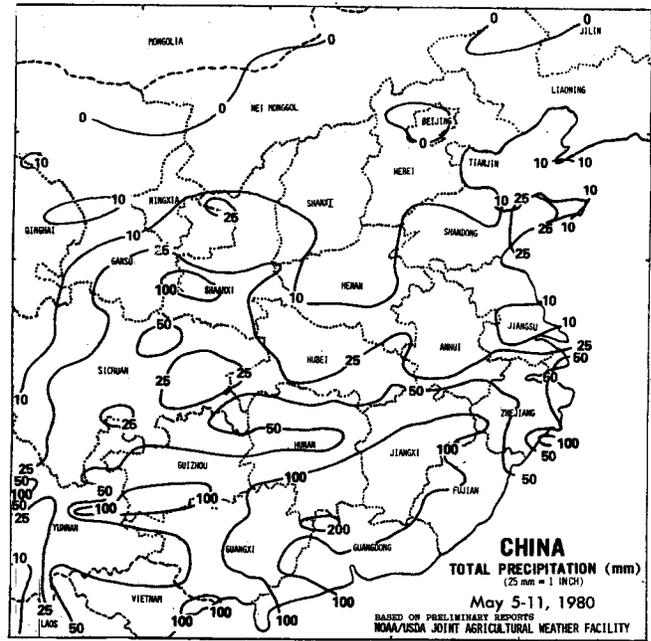


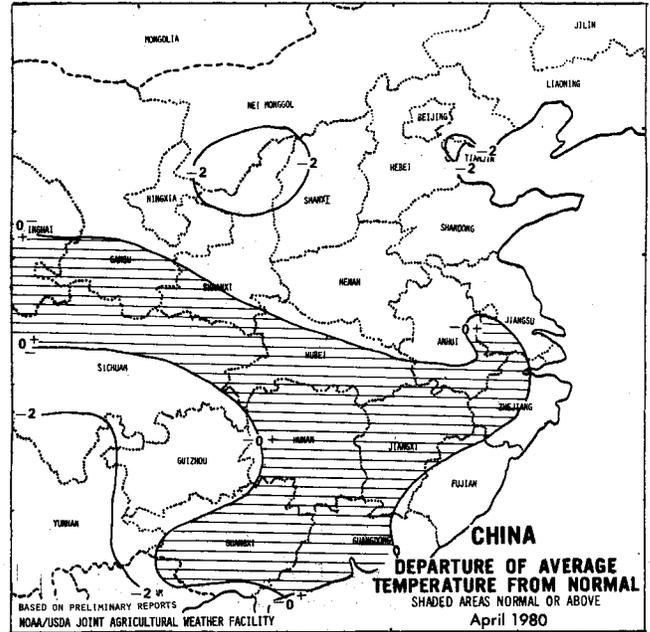
**SOUTH AMERICA.** Heavy rainfall moved into the soybean harvest areas in Rio Grande do Sul, Brazil bringing harvest to a halt again with nearly a quarter of the crop still in the fields. Some minor damage may have been incurred due to the widespread thunderstorm activity. April weather had been quite hot and dry in most harvest areas. In Argentina, moderate rain in southern Buenos Aires Province maintained favorable moisture conditions following heavy rainfall late in April. Winter wheat sowing will begin in late May or June. Drier weather moved into the soybean belt, following abundant rainfall in April which had kept late soybeans well-supplied with water. Temperatures in April had surged much above normal for brief periods, but two episodes of light frost reduced late filling of the soybeans, and now conditions have become too cool for further development.



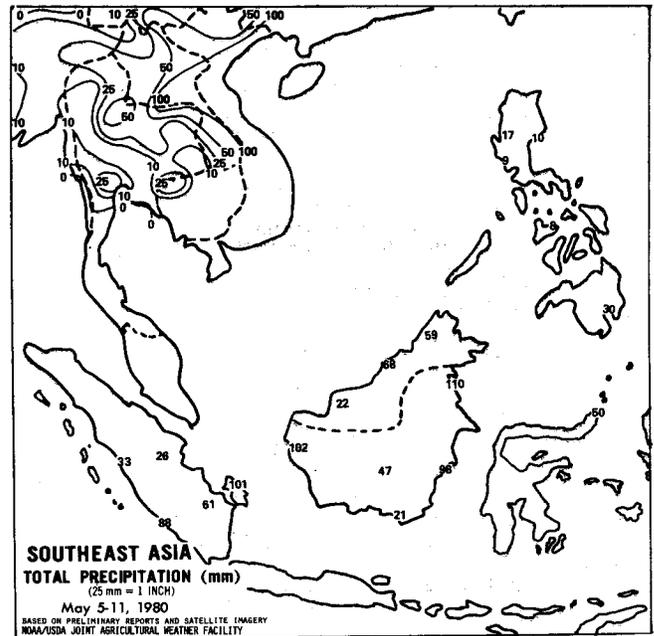
**CHINA.** Several weather-producing systems moved through North China during the week, but brought above-normal rainfall only to the southern and western parts of the winter wheat region, with the crop turning color in the southern parts. April rainfall had dipped below in the south of the belt with the wheat heading, but a combination of above-normal March precipitation and good irrigation supplies provided adequate soil moisture. Parts of the spring wheat belt in Manchuria and Inner Mongolia had received only light rainfall in April, and only in Inner Mongolia did light rains fall last week.

Heavy rainfall ranging much above normal continued in the south, with flooding reported in the southern most provinces. In the southern half of the Yangtze Valley, this above-normal rainfall has continued since January, and must be causing widespread problems with planting of all spring crops.

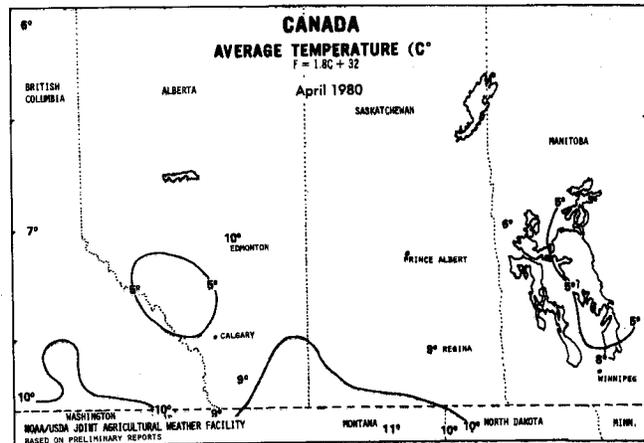
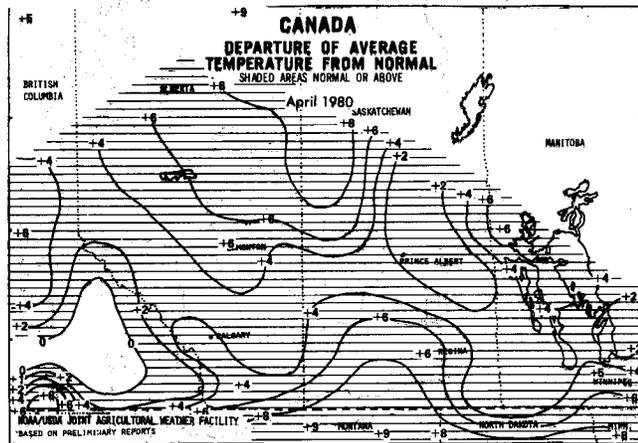
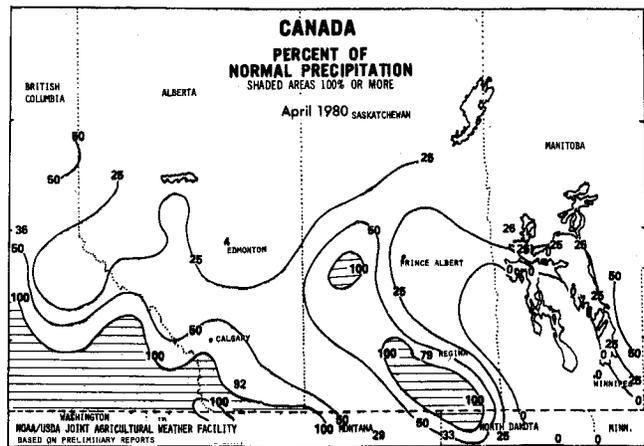
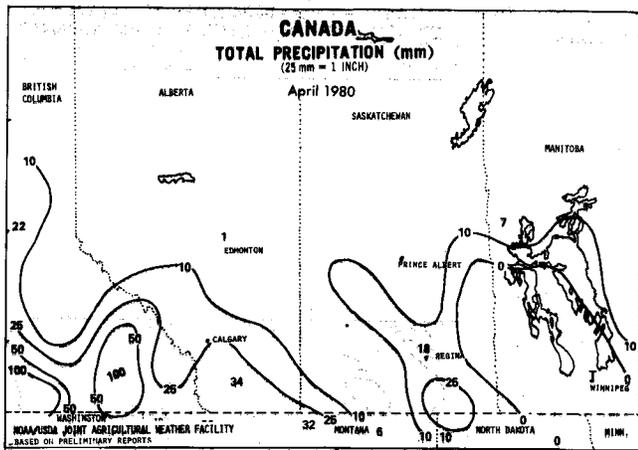
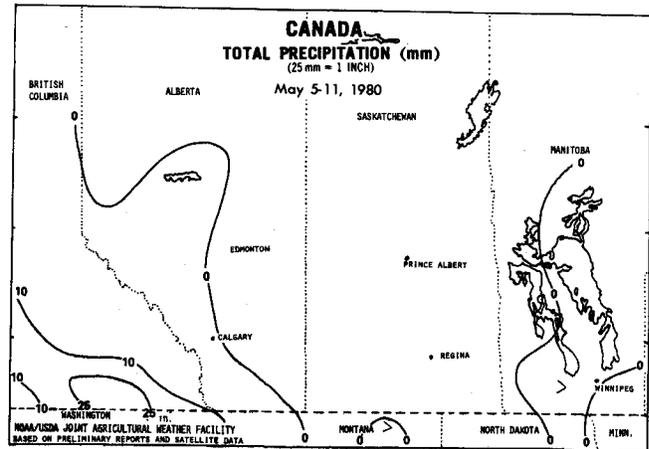




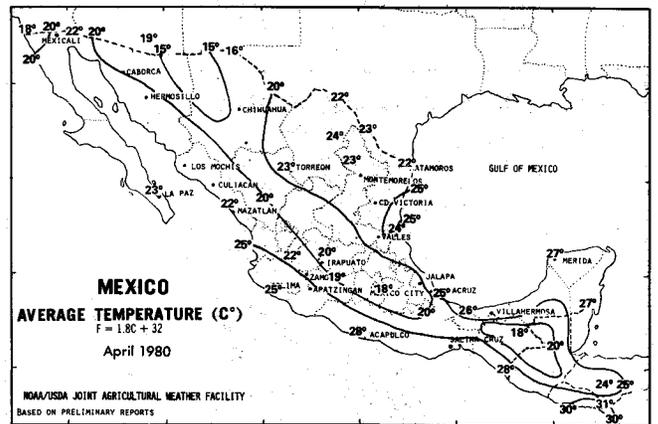
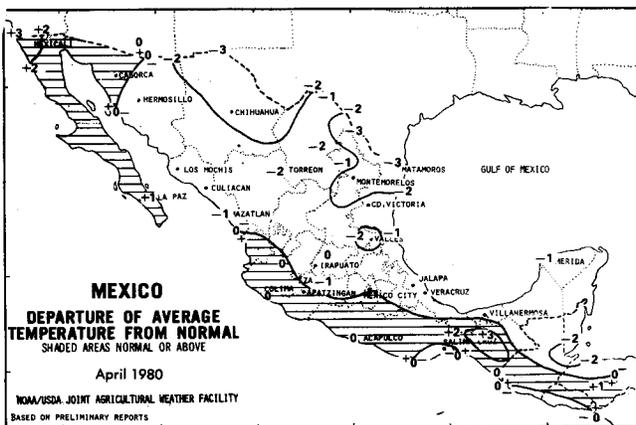
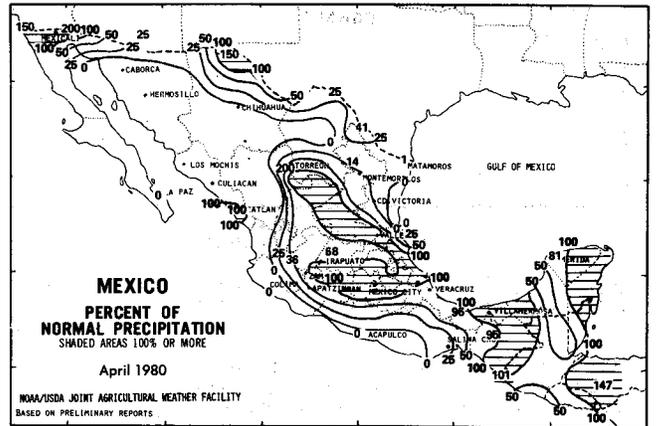
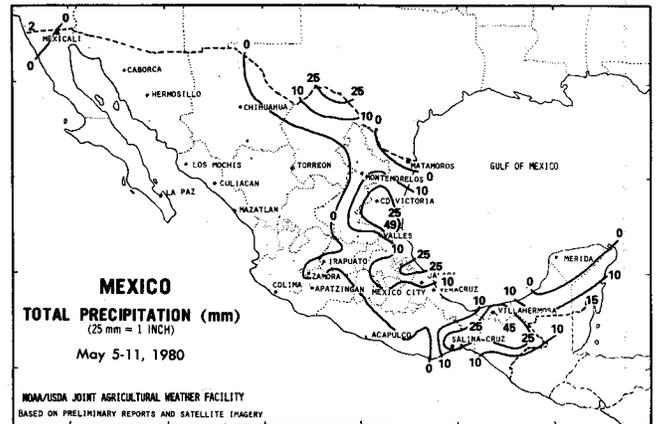
SOUTHEAST ASIA. Data receipt was poor, but satellite photos indicated that rainfall over Thailand increased last week. However, important crop areas remained relatively dry, and crop condition improved only slightly due to somewhat increased irrigation water availability.

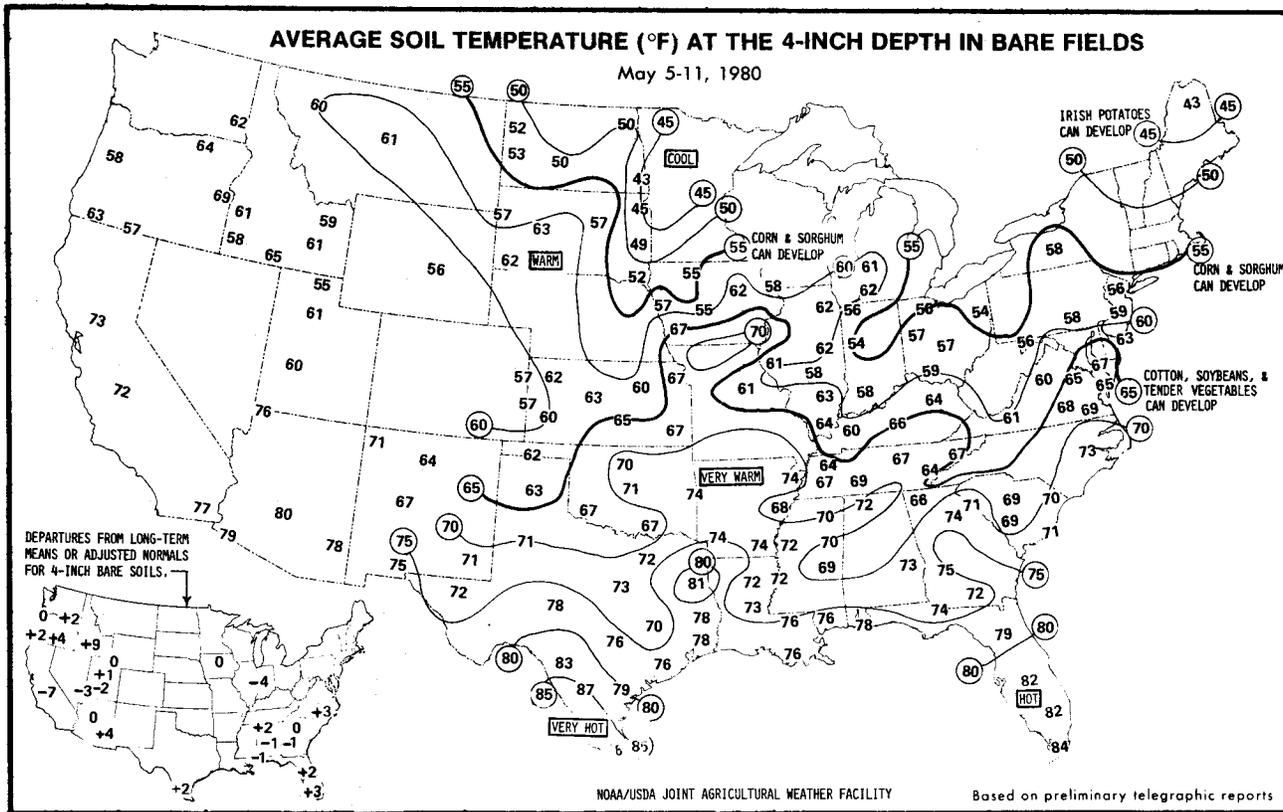


**CANADA.** Very little rain fell in the Prairie Provinces, and prospects for successful wheat germination and early growth remain unfavorable in many areas. April rainfall had risen above normal over some parts of Saskatchewan, but much warmer than normal conditions in the latter half of April dried soils quickly. Grain sowing progressed well, but cold temperatures last week may have damaged some newly germinated spring wheat.



**MEXICO.** Drought, continuing to intensify over the northwest during April and early May, is reducing yield prospects of soybeans, rice, cotton, and other irrigated summer crops. Northwestern water supplies are unusually low after many months of little or no rainfall; reservoir levels are estimated to be almost a third of normal in early May. Water use for west coast tomatoes is showing a rapid seasonal decrease. North central cattle and crop areas are also rather dry, but showers improved the situation over northernmost Coahuila and Chihuahua during the last few weeks. The eastern citrus belt is dry in the northern portion, but rains have periodically fallen over the other sections. Hot afternoon temperatures--38°C to 40°C--kept crop water needs high along the east coast. Irrigated corn and grain sorghum progressed well in the northeast, but some of the hot temperatures were not helpful for corn pollination. Southern plateau corn and beans benefited from showers during April and early May.





CROP PRODUCTION HIGHLIGHTS

**WINTER WHEAT** production is forecast at a record high 1.71 billion bushels, 6 percent more than last year.

**CITRUS** production forecast at 16.1 million tons is 1 percent above last month's forecast and 22 percent more than the 1978-79 crop.

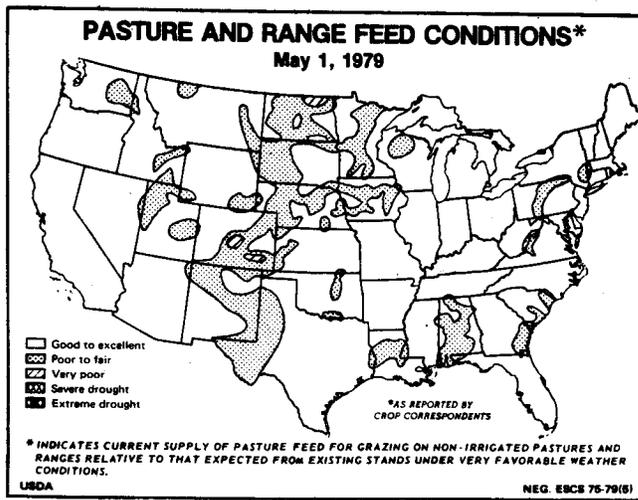
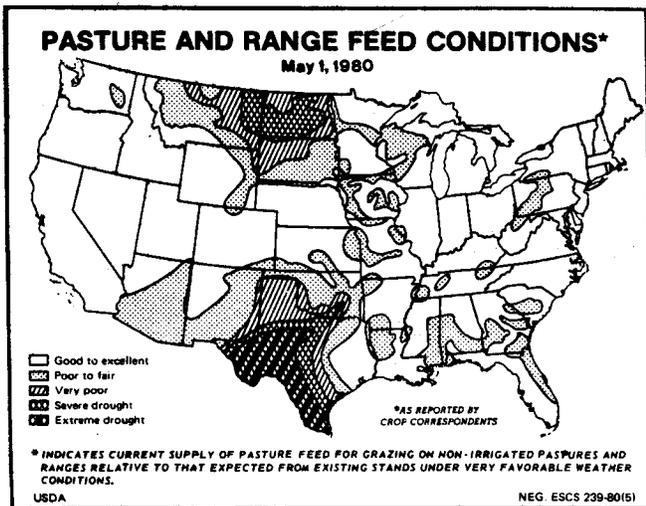
**ORANGE** production is forecast at 268 million boxes, up 1 percent from last month's forecast and 27 percent above last season. Harvest of the Nation's orange crop was 69 percent complete by May 1.

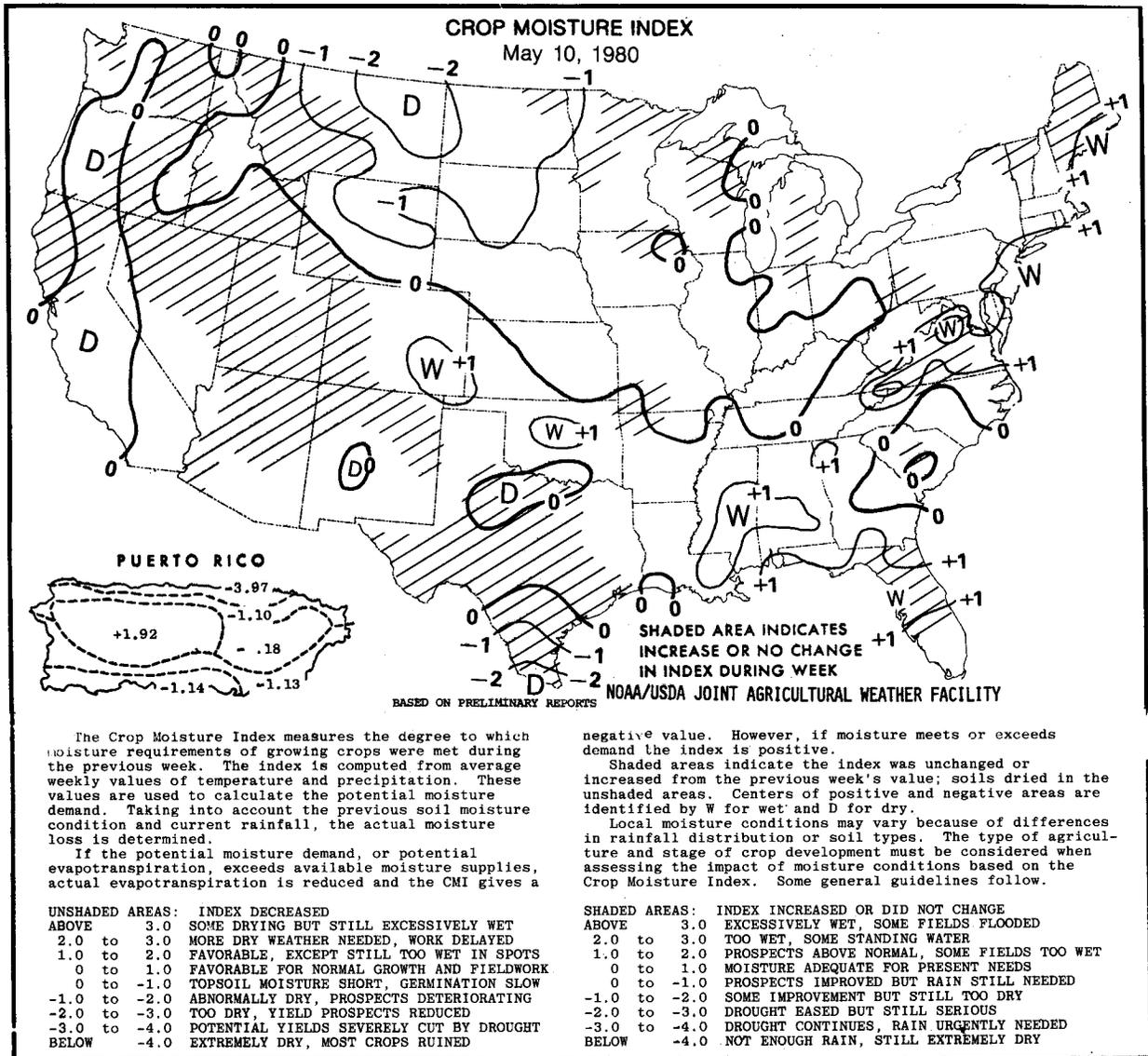
**GRAPEFRUIT** prospects increased 3 percent from April 1 to 71.3 million boxes and were 6 percent above the 1978-79 crop. Harvest was 86 percent complete by May 1.

**PEACH** production in the nine southern States is forecast at 521 million pounds, 19 percent below last year.

**SPRING POTATO** prospects improved 1 percent from April 1 to 16.9 million cwt, but were 21 percent below last season and still a record low.

Crop Reporting Board, ESCS, USDA





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

SOIL MOISTURE IN THE SOUTHEASTERN UNITED STATES IS BECOMING MORE FAVORABLE, BUT SOME FIELDS ARE STILL TOO WET IN SPOTS. THE DRY AREA IN THE NORTHERN PLAINS IS GETTING WORSE AND EXPANDING IN SIZE. THE WESTERN CORN BELT IS VERY DRY NEAR THE SURFACE AND SO IS AFFECTING THE GERMINATION OF CORN. HOWEVER, SUBSOIL MOISTURE IS GENERALLY ADEQUATE FOR ROOTED CROPS. THIS UNIQUE SITUATION IS CAUSING THE INDEX VALUE TO INDICATE A BETTER CROP CONDITION THAN EXISTS FOR GRAIN GERMINATION.

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**FIRST CLASS MAIL**

**SEEDING PROGRESS**

FOR WEEK ENDING MAY 11

SOYBEANS			
	1980	1979	AVG.
ALA	13	18	19
ARK	9	5	9
GA	15	25	22
ILL	29	1	10
IND	10	5	5
IOWA	13	8	8
KANS	5	1	5
KY	9	3	4
LA	9	13	13
MICH	0	0	0
MINN	20	11	11
MISS	7	11	11
MO	16	12	12
NEBR	10	5	5
NC	14	17	17
OHIO	20	15	15
S C	7	17	17
TENN	10	7	7
16 STATES	15	5	11

THESE 16 STATES PRODUCED 94% OF THE 1979 SOYBEAN CROP.

COTTON			
	1980	1979	AVG.
ALA	76	83	82
ARIZ	97	94	NA
ARK	72	35	52
CALIF	95	99	NA
GA	78	91	86
LA	47	47	57
MISS	72	35	57
MO	69	24	67
N MEX	70	75	71
NC	82	84	73
OKLA	1	5	5
S C	91	97	86
TENN	70	35	50
TEX	25	25	32
14 STATES	47	42	NA
EXCL CALIF AND ARIZ	37	32	39

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

CORN			
	1980	1979	AVG.
COLO	32	7	80
GA	94	97	94
ILL	86	27	52
IND	70	35	40
IOWA	89	25	53
KANS	45	30	45
KY	65	33	50
MICH	25	20	28
MINN	75	4	39
MO	77	22	58
NEBR	65	20	40
NC	98	91	88
OHIO	70	50	50
PA	30	34	29
S DAK	36	2	19
VA	65	75	72
WIS	40	10	25
17 STATES	70	25	46

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

GRAIN SORGHUM			
	1980	1979	AVG.
COLO	0	0	0
KANS	5	4	5
MO	28	4	21
NEBR	5	17	17
OKLA	5	5	10
S DAK	0	0	0
TEX	69	63	65
7 STATES	29	24	27

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

SPRING WHEAT			
	1980	1979	AVG.
IOWA	95	75	74
MINN	98	12	60
MONT	85	15	50
N DAK	74	2	38
S DAK	100	65	82
5 STATES	85	19	52

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

RICE			
	1980	1979	AVG.
ARK	76	54	75
CALIF	69	67	NA
LA	90	85	90
MISS	79	45	69
TEX	99	92	97
5 STATES	82	69	NA
EXCL CALIF	85	69	83

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

GRAIN SORGHUM CORRECTION FOR W/E MAY 4			
	87	59	62
TEX	67	59	62
7 STATES	26	21	24

Correction: The Month of April Heating Degree Days Table appearing in Volume 67, No. 19 on May 6 (backcover), San Diego 61 and San Francisco 269.

NA NOT AVAILABLE

1/ LESS THAN 5%