

WEEKLY WEATHER AND CROP BULLETIN

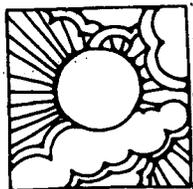
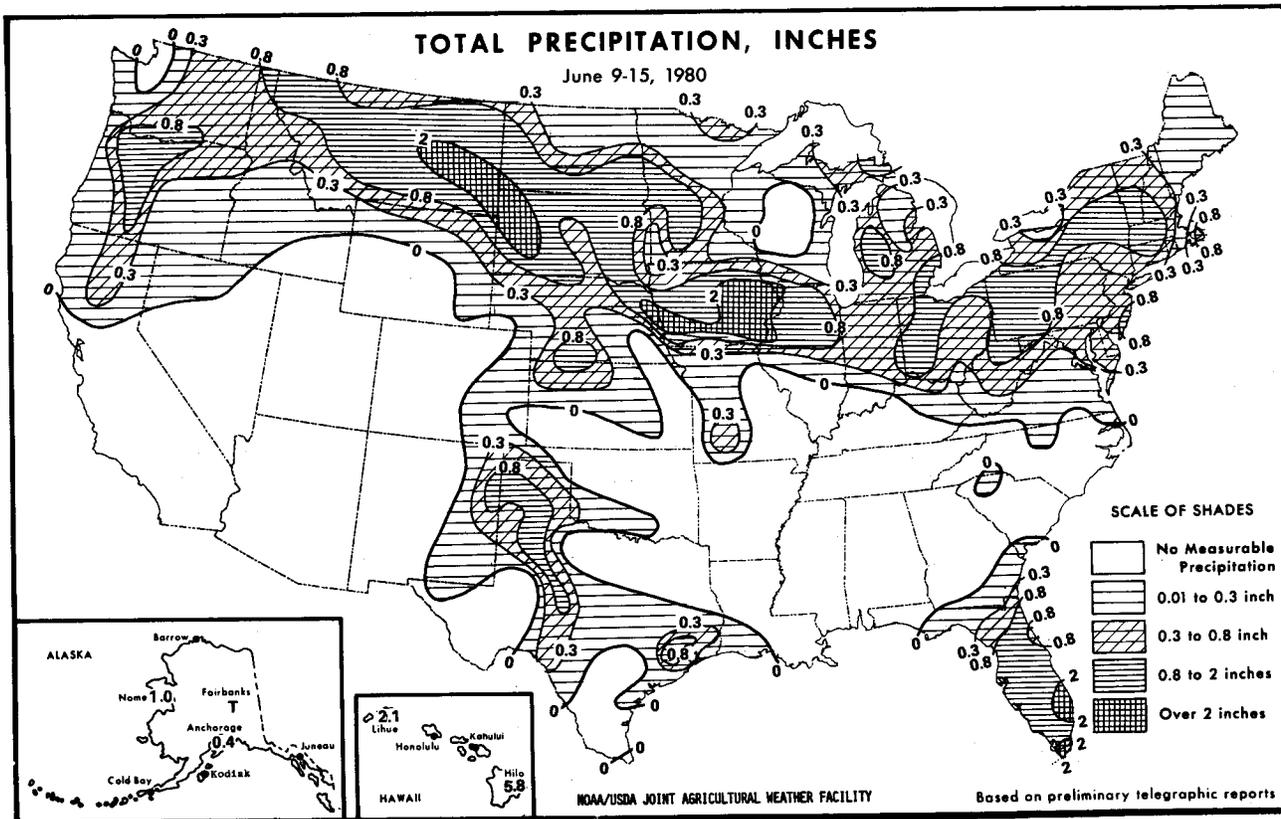
U.S. DEPARTMENT OF COMMERCE
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National Weather Summary

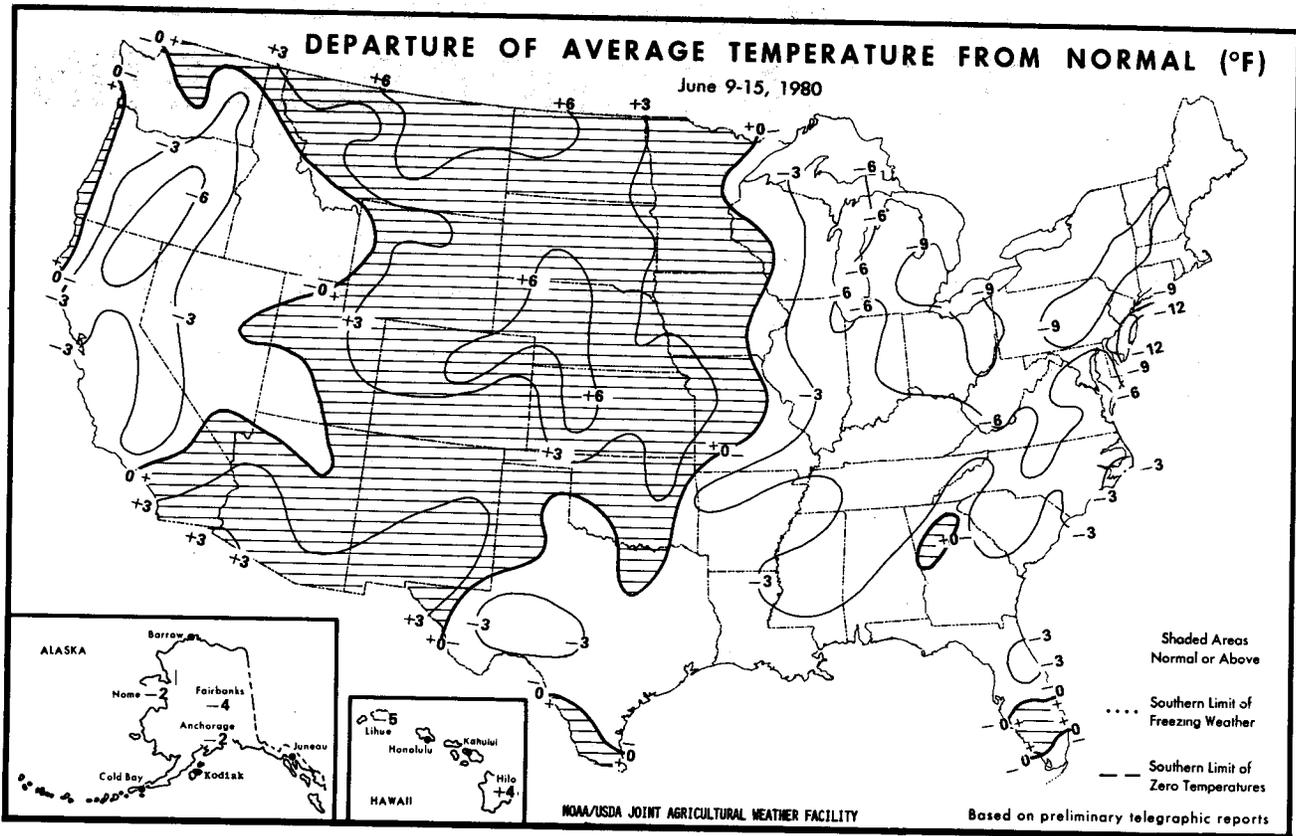
June 9 - 15

HIGHLIGHTS: Severe weather raked the Nation from the northern Plains to New England and southward to the mid-Atlantic States, to Missouri and to the Texas Panhandle. Cool weather enveloped the East early in the week but the Southeast warmed by week's end. Late in the week, very hot weather pushed into the central Plains over the ripening winter wheat area, but cooler air arrived on the last day of the week leaving the hot weather to the southern Plains and the Southeast.

MONDAY...A large fair weather system dominated most of the Nation. The leading edge of the cooler air, which broke low temperature records in the

East, stretched from central Florida across the Gulf of Mexico to southern Texas. Thunderstorms were scattered along the front. Meanwhile another surge of cool Canadian air pushed through the Great Lakes region into New England and to the Ohio Valley. Severe weather along the front included several tornadoes in western New York and Pennsylvania. Elsewhere, a low pressure system off the Pacific Northwest Coast produced scattered showers in the northern parts of the Plateau and Rockies.

TUESDAY...Record low temperatures were reached at various points in the East from Michigan to Alabama. The latest surge of cool air reached from the Atlantic through Kentucky and the northern Mississippi Valley. There were scattered thunderstorms along this front and some isolated severe weather in the Ohio Valley. Thunderstorms developed in the late afternoon in Florida, western Texas, Oklahoma and Colorado. Golfball-sized hail fell in western Oklahoma and a tornado touched down in southern Colorado. Temperatures climbed well past the 100° mark in the desert Southwest.



WEDNESDAY...Record cold temperatures were set throughout the East. Alpena, Michigan penciled in a cool 30° for a record cold June 11 while Appalachicola, Florida had a similar record with a relatively warm 61°. A cold front reached from southern Manitoba, in Canada, through North Dakota and into Nevada. Showers and thunderstorms spread from the northern Rockies into western portions of the northern Plains. Even the critically dry area in northeastern Montana and northwestern North Dakota had some showers. Hail was reported in southern and western Montana. Elsewhere, there were isolated thunderstorms in northeastern Colorado, southwestern Texas, central and southern New Mexico and in eastern North Carolina. Thunderstorms covered much of the Florida Peninsula. The Southwest was hot again. Temperatures from 100° to 110° ranged from southwestern Texas to southern California.

THURSDAY...Cool weather continued in the East. Low temperatures in the 30's and 40's covered the Northeast. In sharp contrast, high temperatures in the Southwest again exceeded the 100° mark. The weather front extended through Minnesota, across Nebraska, and to a low pressure center in Wyoming. Thunderstorms covered the entire northern Plains. Severe weather with hail, high winds and some tornadoes occurred from Montana to Minnesota and in South Dakota and Nebraska. Up to an inch of rain fell in the drought area in northeastern Montana and northwestern North Dakota. Other thunderstorms were scattered through the Pacific Northwest, southern Texas and in southeastern United States.

FRIDAY...The cold front advanced to Wisconsin, Minnesota, Nebraska and Wyoming. Severe storms swept through the eastern portion of the Dakotas and Nebraska to the western Great Lakes area. Hail the size of grapefruit fell in northeastern

Nebraska. There were numerous reports of smaller hail accompanying the severe storms. Tornadoes added to the pandemonium in parts of Nebraska, South Dakota, Minnesota and Iowa. In other areas, showers and widely scattered thunderstorms extended from northern California and the Pacific Northwest across the Rockies. Occasional thundershowers lingered over central and southern Florida.

SATURDAY...A complex weather pattern began setting up. The cold front extended from Canada through Michigan to Nebraska and into the Rockies. A low pressure center deepened in the Atlantic Ocean off New England. Thunderstorms continued across the northern United States. Most of the activity was reported from the northern Rockies across South Dakota into Iowa. Other storms moved across portions of the Great Lakes and Ohio Valley. Hot weather covered the Southwest and moved into the central Plains. In southwestern Kansas, Dodge City heated to 105° and Kansas City, Missouri reached 100°. A dry wind of 20 to 25 mph moved across the Plains. In contrast, record cool temperatures were felt in the East.

SUNDAY...The cold front was moving southward and eastward through New England, the Ohio Valley, Missouri, the Texas Panhandle and New Mexico. The weather cooled in the central Plains with the passage of the cold front but the heat continued in the Southwest, the southern Plains and the Southeast. Thunderstorms reached from New England and the mid-Atlantic States through the Ohio Valley to Missouri. Severe weather struck portions of New York and the mid-Atlantic States. Thunderstorms, winds and hail damaged property in New York while 65 mph gusts were measured at Dulles Airport in northern Virginia. Tornadoes were reported in the area as the storms moved through northern Virginia.



National Agricultural Summary

June 9 - 15

HIGHLIGHTS: Rains mainly in the form of showers and thunderstorms fell over much of the northern part of the Nation improving crop conditions and pasture growth while the southern portion of the Nation received very little rainfall and soils became dry. Temperatures averaged below normal except the Mountain States and most of the Great Plains where above normal temperatures prevailed. Nearly all areas of the Nation had 4 to 7 days suitable for fieldwork. Winter wheat rated mostly good except in the northern Plains and parts of Montana, where the condition remained poor to fair because of lack of moisture. Some small grains were plowed under and planted to row crops in these areas. Winter wheat combining was limited to southern areas; harvesting was active as far north as Oklahoma, Arkansas, Kentucky, and Virginia. Spring wheat was 96% emerged and 25% headed, slightly ahead of average. Corn planting was virtually complete with good stands reported in nearly all areas. Soybean planting in the 18 major producing States reached 89% complete, slightly ahead of last year's 86% and the 85% average. Progress in some of the south central and southeastern States remained behind schedule owing the earlier delays caused by wet soils. Cotton planting in the 14 major producing States was 97% complete, compared with 94% last year. Planting was virtually complete in all major States except Oklahoma and Texas. Rains and high winds necessitated replanting some fields in Texas. Cotton squaring reached 19%, ranging up to 54% in Georgia. Grain sorghum planting in the seven major States advanced to 85%, 2 points ahead of a year ago and 1 point ahead of the average. Only Colorado and Oklahoma lagged the average. Rice seeding was complete and 97% of the crop had emerged. Pastures rated mostly good except in the northern Plains and parts of Montana and Minnesota where conditions were poor to fair. Recent rains helped growth in these areas, but supplemental feeding is still necessary for much of the roughage requirements of livestock. Fuel supplies were mostly adequate.

CORN: Corn planting was virtually completed with good stands reported in most areas. Growth ranged from 10 inches in Wisconsin to 20 inches in Illinois, up to 9 inches more than last year and up to 4 inches more than the average. In the south, silking ranged up to 40% in Louisiana.

SOYBEANS: Soybean seeding in the 18 major producing States was 89% complete, ahead of last year's 86% and the 85% average. Growers in the east north central States advanced planting to 95%, equal to a year ago and 3 points ahead of the average. Planting in the west north central States reached 96% complete, 4 points ahead of last year and 6 points ahead of average. Planting in the south central region was 77% complete, ahead of last year's slow progress of 71% and the 74% average. Progress in some of the south central and southeastern States remained behind schedule due to earlier delays caused by wet soils.

COTTON: Cotton planting in the 14 major producing States was 97% complete, 3 points ahead of 1979. Planting was virtually complete in all major States except Oklahoma and Texas. Cotton squaring reached 19%, ranging up to 54% in Georgia. Rains and high winds necessitated replanting some fields on the southern High Plains of Texas. In south Texas moisture supplies were low and some fields were starting to show signs of moisture stress.

SMALL GRAINS: Winter wheat rated mostly good except in the northern Plains and parts of Montana, where the condition remained poor to fair due to lack of moisture. Some fields in these areas were plowed under and planted to row crops. Winter wheat combining was limited to southern areas; harvesting was active only as far north as Oklahoma, Arkansas, Kentucky, and Virginia. Heading ranged from 45% in Idaho to 100% in California, Missouri, Oklahoma, and Texas.

Spring wheat was 96% emerged; progress ranged from 94% in North Dakota to 100% in Idaho and South Dakota.

OTHER CROPS: Grain sorghum planting in the seven major producing States advanced to 85% complete, 2 points ahead of last year and 1 point ahead of the average. Progress lagged in Colorado and Oklahoma. In Texas, where progress reached 94%, planting was delayed by rain and hail. Fields in central Texas were becoming moisture stressed.

Rice seeding was complete and 97% of the crop had emerged; progress ranged from 95% in Arkansas to 100% in Texas.

Peanut planting was 73% complete in Texas, compared with 64% a year ago and the 67% average. Planting advanced rapidly in central Texas but was delayed by dry conditions in south Texas.

Tobacco transplanting continued on schedule as plant supplies remained adequate. Harvesting was 6% complete in Georgia. Controls for blue mold were applied in many areas.

FRUITS AND NUTS: Peach harvesting advanced across the South and reached northward into North Carolina. The Georgia peach harvest progressed to 30% complete behind last year's 37% and the 43% average. Harvesting in Florida was completed. The apple set is reported as average to heavy.

Florida citrus groves rated excellent with adequate soil moisture in most citrus growing areas. The Valencia harvest slowed as harvest neared completion. California growers harvested lemons, table grapes, and avocados as the Bing cherry and navel orange harvest was completed. In Arizona, harvesting of Valencia oranges and grapefruit was still active but tapering off, while the grape harvest increased. Groves remained in good condition.

VEGETABLES: Growers in northern production areas harvested a wider variety of vegetables and continued planting late season vegetables. Florida vegetable shipments were down 9% from the previous week; supplies of eggplant, okra, and watermelons were the only ones to increase. Most vegetables were completed for the season and those remaining are declining seasonally.

PASTURE AND LIVESTOCK: Pastures rated mostly good except in the northern Plains and parts of Montana and Minnesota, where conditions were fair to poor. Recent rains helped growth in these areas but supplemental feeding was still necessary for much of the roughage requirements for livestock.

Weather Data for the Week Ending

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hour, in.	Total, in., since June 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
AL BIRMINGHAM	87	59	93	50	73	-4	0	- .9	0	0	0	89	34	3	0	0	0
MOBILE	91	67	94	60	79	-2	0	-1.3	0	0	0	82	42	5	0	0	0
MONTGOMERY	89	65	93	59	77	-2	0	- .9	0	0	0	83	35	4	0	0	0
AK ANCHORAGE	59	46	62	40	52	-2	.4	- .2	0	0	0	78	61	0	0	0	0
BARROW	45	35	49	34	40	8	.1	- .0	.3	.4	100	82	58	0	0	3	0
FAIRBANKS	67	46	69	40	56	-3	.7	- .4	T	T	0	72	37	0	0	0	0
KODIAK	58	46	63	41	52	3	T	- .2	.6	T	0	83	63	0	0	3	1
NOME	48	39	52	31	44	-1	1.0	- .8	.7	1.8	600	83	74	0	1	3	1
AZ FLAGSTAFF	79	37	82	32	58	1	0	- .1	0	0	0	47	9	0	0	1	1
PHOENIX	104	71	106	66	88	4	0	0	0	0	0	21	5	7	0	0	0
TUCSON	102	65	106	62	84	3	0	0	0	0	0	18	5	7	0	0	0
WINSLOW	91	49	95	41	70	-1	0	- .1	0	0	0	--	--	4	0	0	0
YUMA	106	70	109	67	88	3	0	0	0	0	0	24	8	7	0	0	0
AR FORT SMITH	88	61	91	54	75	-3	0	- .9	0	0	0	83	35	3	0	0	0
LITTLE ROCK	87	63	92	59	75	-3	0	- .7	0	0	0	74	35	3	0	0	0
CA BAKERSFIELD	86	57	92	51	71	-5	0	0	0	0	0	--	18	2	0	0	0
EUREKA	60	52	60	51	56	1	.2	0	.1	.2	40	93	69	0	0	2	0
FRESNO	88	56	94	53	72	-2	0	0	0	0	0	59	16	3	0	0	0
LOS ANGELES	72	56	77	55	64	-3	0	0	0	0	0	90	54	0	0	0	0
RED BLUFF	81	55	90	52	68	-6	.5	.4	.4	1.1	550	--	33	2	0	3	0
SAN DIEGO	75	63	78	61	69	4	0	0	0	0	0	84	57	0	0	0	0
SAN FRANCISCO	67	52	74	50	59	-3	0	- .1	0	0	0	85	50	0	0	0	0
STOCKTON	83	53	95	52	68	-3	0	0	0	0	0	84	31	2	0	0	0
CO DENVER	87	57	94	50	72	7	T	- .5	T	T	0	52	17	4	0	0	0
GRAND JUNCTION	91	56	95	50	74	3	0	- .1	0	0	0	30	10	5	0	0	0
PUEBLO	91	51	98	50	71	1	T	- .3	T	T	0	67	18	4	0	0	0
CT BRIDGEPORT	69	52	82	47	60	-7	.4	- .2	.4	1.4	117	82	57	0	0	2	0
HARTFORD	72	45	87	40	59	-8	1.2	- .4	1.1	2.2	138	86	41	0	0	3	0
DC WASHINGTON	80	59	93	52	70	-5	.4	- .4	.3	1.2	75	76	--	1	0	2	0
FL APALACHICOLA	88	69	90	61	78	-1	.2	-1.0	.1	.2	9	87	52	1	0	2	0
DAYTONA BEACH	86	66	88	58	76	-3	.6	-1.0	.4	.6	32	93	52	0	0	3	0
FORT MYERS	90	73	92	70	82	1	1.3	- .8	.8	1.3	33	95	56	5	0	2	2
JACKSONVILLE	88	66	94	58	77	-2	.9	- .5	.5	.9	35	85	49	2	0	2	1
KEY WEST	87	77	89	75	82	-2	-1.7	- .6	1.3	1.8	86	83	60	0	0	6	1
MIAMI	85	73	90	73	79	-2	1.0	-1.2	.6	1.1	26	92	62	1	0	3	1
ORLANDO	88	66	92	61	77	-3	1.2	- .4	1.2	1.2	41	--	52	2	0	2	1
TALLAHASSEE	92	64	95	58	78	-2	.2	-1.3	.2	.2	7	88	38	7	0	1	0
TAMPA	89	71	91	65	80	-1	1.8	.3	1.8	1.8	67	94	50	2	0	2	1
WEST PALM BEACH	90	71	98	68	81	0	2.6	.6	2.3	2.6	68	91	48	2	0	3	1
GA ATLANTA	88	64	93	55	76	0	0	- .8	0	0	0	80	38	2	0	0	0
AUGUSTA	89	59	96	55	74	-4	0	- .8	0	0	0	85	30	4	0	0	0
MACON	91	64	97	58	78	-2	T	- .9	T	T	0	90	33	5	0	0	0
SAVANNAH	89	66	96	62	78	-1	.2	-1.1	.1	.2	8	81	44	3	0	1	0
HI HILO	--	--	--	--	78	4	5.8	4.3	--	5.8	187	--	--	0	0	-	-
HONOLULU	86	72	93	63	79	0	.6	- .5	.3	1.0	500	78	57	1	0	3	0
KAHULUI	--	--	--	--	--	--	0	- .3	--	0	0	--	--	0	0	0	0
LIHUE	--	--	--	--	--	--	2.1	1.7	--	2.4	300	--	--	0	0	0	0
ID BOISE	74	48	83	41	61	-3	.2	- .1	.1	.3	50	76	29	0	0	2	0
LEWISTON	72	54	81	50	63	-1	.6	.1	.4	.7	70	84	46	0	0	3	0
POCATELLO	73	44	85	39	59	-2	T	- .3	T	.8	114	83	33	0	0	0	0
IL CAIRO	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
CHICAGO	73	50	85	41	61	-7	.5	- .5	.4	1.9	106	80	50	0	0	3	0
MOLINE	79	54	85	44	67	-4	2.0	1.0	1.0	3.0	150	80	41	0	0	3	2
PEORIA	78	55	85	46	67	-4	1.7	.8	.7	6.2	344	85	43	0	0	2	1
ROCKFORD	76	53	83	41	65	-4	1.0	- .1	.6	4.6	219	81	38	0	0	3	1
SPRINGFIELD	83	56	92	46	70	-3	.1	- .9	.1	.6	32	81	37	1	0	2	0
IN EVANSVILLE	84	56	94	48	70	-5	T	- .8	T	1.3	76	75	31	2	0	0	0
FORT WAYNE	73	50	81	42	62	-8	.6	- .3	.5	1.6	89	70	45	0	0	2	0
INDIANAPOLIS	77	52	85	41	65	-7	.5	- .5	.2	2.1	105	86	40	0	0	3	0
SOUTH BEND	74	52	86	43	63	-5	.4	- .5	.3	2.2	129	86	53	0	0	2	0
IA BURLINGTON	80	57	87	49	68	-2	4.0	2.9	3.9	6.5	295	--	--	0	0	3	2
DES MOINES	83	60	89	53	71	1	1.9	.7	.8	3.7	154	66	39	0	0	4	1
DUBUQUE	76	55	84	48	66	-1	2.2	.9	1.3	4.3	172	77	45	0	0	2	2
KS SIOUX CITY	82	59	87	51	71	1	.6	.5	.3	.7	318	85	54	0	0	3	0
CONCORDIA	90	62	99	53	76	4	T	-1.2	T	T	0	78	35	2	0	1	0
DODGE CITY	91	66	105	58	79	6	T	- .8	T	T	0	81	37	4	0	0	0
GOODLAND	89	54	98	44	71	3	.4	- .3	.2	.4	29	81	28	3	0	1	0
TOPEKA	90	63	97	54	77	4	0	-1.4	0	.1	4	78	36	4	0	0	0
WICHITA	92	64	101	53	78	2	T	-1.1	T	T	0	67	30	5	0	1	0
KY LEXINGTON	81	55	89	45	68	-5	.2	- .8	.1	.2	10	83	37	0	0	1	0
LOUISVILLE	83	56	92	48	70	-3	T	-1.0	T	.6	30	84	37	2	0	0	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending

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 June 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
LA BATON ROUGE	91	66	95	60	78	-2	0	-	0	0	87	39	5	0	0	0	
LA LAKE CHARLES	89	67	92	63	78	-3	.3	-.8	.3	0	14	89	46	4	0	1	
LA NEW ORLEANS	92	70	95	65	81	0	0	-1.0	0	0	83	42	5	0	0	0	
LA SHREVEPORT	92	65	97	61	79	-1	T	-.8	T	0	6	90	38	5	0	0	
ME CARIBOU	67	46	89	38	56	-3	.1	-.7	.1	.6	38	69	42	0	0	0	
ME PORTLAND	67	44	76	39	55	-6	.1	-.6	.2	1.1	73	82	45	0	0	0	
MD BALTIMORE	85	54	93	47	67	-5	.4	-.5	.3	1.7	100	82	32	1	0	0	
MA BOSTON	71	52	87	47	61	-6	.2	-.6	.2	.8	50	73	44	0	0	0	
MA CHATHAM	62	50	67	45	56	-7	.6	--	.3	1.6	100	74	65	0	0	0	
MI ALPENA	66	41	84	30	54	-6	.2	-.5	.1	1.4	100	--	--	0	2	3	
MI DETROIT	70	46	79	38	58	-10	1.7	-.9	1.5	5.8	36	86	45	0	0	0	
MI FLINT	68	43	78	35	56	-10	.3	-.5	.2	1.6	100	89	46	0	0	0	
MI GRAND RAPIDS	72	47	83	35	60	-8	.8	0	.8	3.1	194	92	46	0	0	0	
MI HOUGHTON LAKE	68	43	79	31	56	-7	.2	-.6	.2	1.2	75	69	35	0	1	1	
MI LANSING	70	48	81	36	59	-8	.6	-.2	.4	.6	38	86	45	0	0	0	
MI MARQUETTE	65	43	81	33	54	-6	.5	-.5	.3	1.8	113	89	41	0	0	0	
MI MUSKEGON	68	47	77	33	58	-8	.9	.3	.9	3.7	308	89	51	0	0	0	
MI SAULT STE. MARIE	64	38	78	28	51	-8	1.4	.6	1.2	2.6	163	92	48	0	3	3	
MN DULUTH	70	46	78	34	58	-1	.1	-1.0	.1	.5	24	76	47	0	0	1	
MN INT'L FALLS	74	49	83	41	62	2	.6	-.3	.3	.7	41	80	37	0	0	0	
MN MINNEAPOLIS	78	56	85	49	67	0	.4	-.5	.4	4.4	244	72	41	0	0	0	
MN ROCHESTER	79	55	88	47	67	1	T	-1.1	T	1.4	64	81	41	0	0	0	
MN SAINT CLOUD	77	52	80	43	64	0	1.2	.1	.9	3.2	145	80	--	0	0	0	
MS JACKSON	91	59	95	54	75	-4	0	-.8	0	0	0	92	31	5	0	0	
MS MERIDIAN	89	58	92	53	74	-5	0	-.8	0	.8	50	91	38	4	0	0	
MO COLUMBIA	87	60	95	55	74	1	0	-1.1	0	0	0	75	39	3	0	0	
MO KANSAS CITY	88	64	96	53	76	4	T	-1.3	T	0	0	78	36	2	0	1	
MO SAINT LOUIS	86	60	96	52	73	-2	T	-1.1	T	.5	24	74	35	3	0	0	
MO SPRINGFIELD	86	59	91	52	73	-1	1.0	-.1	.5	1.1	50	78	36	2	0	0	
MT BILLINGS	79	55	88	51	67	5	1.2	.5	.5	1.4	108	67	34	0	0	0	
MT GLASGOW	82	54	91	48	68	7	1.0	.3	.7	1.4	108	84	29	1	0	0	
MT GREAT FALLS	74	49	82	44	62	3	1.0	.2	.6	2.5	156	81	39	0	0	0	
MT HAVRE	81	53	90	47	67	6	.6	0	.5	.7	58	90	31	1	0	0	
MT HELENA	73	48	83	43	61	3	1.2	.6	.4	2.0	167	86	40	0	0	0	
MT KALISPELL	72	47	84	43	60	3	1.3	.7	.7	2.3	192	96	53	0	0	0	
MT MILES CITY	82	58	93	54	70	6	2.4	1.6	.7	2.6	163	75	37	1	0	0	
MT MISSOULA	70	48	82	43	59	1	.6	0	.4	1.7	155	95	57	0	0	0	
NE GRAND ISLAND	87	60	92	53	74	3	.1	-1.0	.1	3.1	141	87	42	2	0	0	
NE LINCOLN	87	61	95	50	74	3	T	-1.2	T	1.5	63	91	46	2	0	0	
NE NORFOLK	84	60	90	50	72	3	2.0	-.8	1.1	2.7	113	81	44	1	0	0	
NE NORTH PLATTE	88	58	95	46	73	6	.4	-.5	.3	1.0	56	82	37	3	0	0	
NE OMAHA	87	70	94	60	73	3	2.9	1.7	1.2	7.0	292	85	47	2	0	0	
NE VALENTINE	86	58	95	48	72	5	.8	-.1	.5	1.2	71	76	35	3	0	0	
NE ELY	76	37	82	31	56	0	0	-.2	0	.5	125	55	14	0	1	0	
NE LAS VEGAS	97	68	103	63	83	1	0	0	0	0	0	18	5	7	0	0	
NE RENO	76	40	84	35	58	-2	T	-.1	T	.1	50	70	18	0	0	0	
NE WINNEMUCCA	76	42	86	36	59	-2	T	-.3	T	.4	67	61	20	0	0	0	
NH CONCORD	73	39	87	33	56	-8	.8	0	.8	1.7	106	77	57	0	0	0	
NJ ATLANTIC CITY	69	45	82	37	57	-12	.1	.3	.6	2.3	144	46	57	0	0	0	
NJ TRENTON	74	53	85	48	64	-7	.5	-.2	.3	1.0	71	--	--	0	0	0	
NM ALBUQUERQUE	95	57	98	52	76	2	T	-.1	T	0	0	49	10	7	0	0	
NM ROSWELL	96	66	105	62	81	4	.1	-.2	.1	.1	17	--	--	5	0	0	
NY ALBANY	71	43	86	36	57	-10	1.6	.9	1.4	2.6	186	84	37	0	0	0	
NY BINGHAMTON	69	43	85	33	56	-8	.8	0	.6	1.3	81	89	45	0	0	0	
NY BUFFALO	66	46	78	40	56	-9	.3	-.2	.2	3.0	273	80	42	0	0	0	
NY NEW YORK	73	56	85	49	64	-7	.6	0	.6	2.7	208	68	46	0	0	0	
NY ROCHESTER	70	46	84	38	58	-8	.3	-.3	.1	4.8	400	87	40	0	0	0	
NY SYRACUSE	69	46	85	39	58	-9	.9	-.1	.5	2.6	173	89	46	0	0	0	
NC ASHEVILLE	81	55	91	48	68	-3	0	-.9	0	0	0	89	42	1	0	0	
NC CHARLOTTE	83	60	94	54	71	-4	0	-.8	0	0	0	73	40	1	0	0	
NC GREENSBORO	80	54	92	50	67	-7	T	-.9	T	0	0	85	40	1	0	0	
NC HATTERAS	77	65	84	61	71	-3	0	-1.1	0	.3	143	82	55	0	0	0	
NC RALEIGH	85	57	96	52	71	-3	0	-.8	0	.5	31	93	43	1	0	0	
NC WILMINGTON	84	63	95	54	73	-4	0	-1.2	0	.5	22	75	42	1	0	0	
ND BISMARCK	81	55	91	46	68	5	.5	-.4	.4	1.2	71	81	36	1	0	0	
ND FARGO	79	56	86	48	67	3	1.1	.3	.9	2.2	147	87	47	0	0	0	
ND WILLISTON	85	54	95	45	70	8	.8	0	.5	1.3	87	79	29	2	0	0	
OH AKRON-CANTON	70	47	81	42	59	-9	.7	-.1	.4	3.5	219	82	42	0	0	0	
OH CINCINNATI	78	54	87	46	66	-6	1.0	.4	.7	2.0	118	83	43	0	0	0	
OH CLEVELAND	70	45	83	37	58	-10	.8	0	.5	2.1	131	90	44	0	0	0	
OH COLUMBUS	76	50	87	41	63	-8	.8	-.2	.6	3.3	174	89	41	0	0	0	
OH DAYTON	76	51	87	42	64	-8	1.1	-.2	.6	3.6	200	87	43	0	0	0	
OH TOLEDO	72	47	81	39	60	-9	.8	0	.7	1.8	113	85	42	0	0	0	
OH YOUNGSTOWN	69	44	80	35	56	-10	1.0	.2	.6	2.7	169	88	47	0	0	0	

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending June 15, 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 June 2	Pct. normal since June 2	Average maximum	Average minimum	Temperature °F		Precipitation			
														90 and above	32 and below	.01 inch or more	.50 inch or more		
OK OKLAHOMA CITY	88	68	94	62	78	1	T	-1.0	T	T	0	65	37	2	0	0	0	0	
OK TULSA	92	68	98	62	80	3	T	-1.1	T	T	0	71	35	5	0	0	0	0	
OR ASTORIA	62	51	64	47	57	0	.2	-.4	.1	.4	33	97	71	0	0	5	3	0	
OR BURNS	65	39	76	31	52	-6	.2	-.1	.1	.5	83	90	43	0	0	1	0	0	
OR MEDFORD	72	49	82	42	60	-3	.3	-.1	.3	1.1	220	86	38	0	0	0	2	2	0
OR PENDELTON	67	51	74	47	59	-6	.5	-.2	.3	.9	150	57	0	0	0	0	4	4	0
OR PORTLAND	65	55	72	53	60	-1	1.0	-.6	.9	2.0	250	85	65	0	0	0	4	1	1
OR SALEM	65	51	72	46	58	-2	.8	-.4	.8	1.4	175	90	60	0	0	0	1	1	1
PA ALLENTOWN	74	50	86	42	62	-7	.6	-.2	.5	1.7	106	90	39	0	0	0	2	3	1
PA ERIE	66	46	77	38	56	-10	1.3	-.2	.2	4.4	275	90	39	0	0	0	2	2	1
PA HARRISBURG	75	48	85	40	61	-9	.7	-.0	.4	4.4	93	93	45	0	0	0	3	3	0
PA PHILADELPHIA	77	53	88	48	65	-7	.5	-.3	.2	1.0	63	82	39	0	0	0	2	3	0
PA PITTSBURGH	72	49	87	41	61	-7	1.1	-.3	.6	3.3	206	87	41	0	0	0	3	2	1
PA SCRANTON	71	45	83	39	58	-10	.3	-.5	.2	1.6	100	88	38	0	0	0	3	3	0
RI PROVIDENCE	69	46	83	41	58	-8	.2	-.4	.2	2.7	208	82	50	0	0	0	2	0	0
SC CHARLESTON	87	67	97	59	77	-1	0	-.4	0	0	0	83	48	2	2	0	0	0	0
SC COLUMBIA	88	58	96	51	73	-6	0	-.8	0	.2	13	77	31	2	2	0	0	0	0
SC GREENVILLE	83	59	93	51	71	-4	.3	-.7	.3	.3	158	77	40	1	1	0	0	0	0
SD ABERDEEN	79	58	85	49	68	3	1.1	-.2	.7	1.9	111	80	51	0	0	0	2	2	1
SD HURON	82	57	89	48	70	3	.9	0	.9	2.1	117	87	47	0	0	0	2	2	1
SD RAPID CITY	82	54	95	49	68	5	3.8	2.9	2.5	4.1	228	85	38	1	0	0	3	3	2
SD SIOUX FALLS	80	59	85	51	70	2	T	-1.1	T	1.7	81	75	41	0	0	0	2	2	0
TN CHATTANOOGA	84	57	92	51	71	-5	0	-.8	0	0	0	72	37	2	2	0	0	0	0
TN KNOXVILLE	85	59	92	51	72	-3	0	-.8	0	0	0	86	39	2	2	0	0	0	0
TN MEMPHIS	89	64	95	57	77	-2	0	-.8	0	0	0	69	29	4	4	0	0	0	0
TN NASHVILLE	86	56	94	51	71	-5	0	-.8	0	.1	6	90	33	3	3	0	0	0	0
TX ABILENE	89	69	96	66	79	-1	T	-.7	T	.4	27	77	41	4	0	0	1	1	0
TX AMARILLO	88	60	98	51	74	0	.9	-.1	.9	.9	56	83	37	3	3	0	1	1	1
TX AUSTIN	90	69	94	65	79	-2	T	-.8	T	T	0	95	46	5	5	0	0	0	0
TX BEAUMONT	90	69	93	66	80	-1	.1	-1.0	.1	.1	5	87	45	5	5	0	0	0	0
TX BROWNSVILLE	94	74	95	72	84	1	T	-.7	T	T	0	90	47	7	7	0	0	0	0
TX CORPUS CHRISTI	90	71	93	67	80	-2	T	-.7	T	T	0	91	48	3	3	0	0	0	0
TX DEL RIO	93	72	98	70	82	-2	.3	-.2	--	.3	27	86	40	6	6	0	0	0	0
TX EL PASO	103	65	108	61	84	4	0	-.1	0	0	0	48	11	7	7	0	0	0	0
TX FORT WORTH	95	68	100	65	82	1	0	-.8	0	0	0	76	29	6	6	0	0	0	0
TX GALVESTON	84	76	86	70	80	-1	.2	-.7	.2	.3	17	80	59	0	0	0	1	1	0
TX HOUSTON	91	67	96	63	79	-2	.7	-.4	.7	.7	32	95	42	5	5	0	1	1	0
TX LUBBOCK	90	66	100	62	78	1	1.7	1.0	1.1	1.8	129	80	39	3	3	0	2	2	0
TX MIDLAND	89	64	98	61	77	-3	T	-.4	T	1.4	175	84	41	4	4	0	2	0	1
TX SAN ANGELO	88	68	94	63	78	-4	.9	-.4	.6	1.7	170	88	45	3	3	0	2	1	1
TX SAN ANTONIO	91	70	96	67	80	-2	T	-.7	T	T	0	84	39	5	5	0	0	0	0
TX VICTORIA	91	69	94	67	80	-2	0	-.8	0	0	0	94	48	6	6	0	0	0	0
TX WACO	92	68	97	63	80	-1	T	-.7	T	.1	7	91	34	5	5	0	0	0	0
TX WICHITA FALLS	93	65	102	62	79	-2	0	-.8	0	.2	12	78	31	5	5	0	0	0	0
UT BLANDING	85	48	88	44	85	1	0	-.1	0	0	0	46	10	0	0	0	0	0	0
UT SALT LAKE CITY	81	52	89	43	67	2	T	-.3	T	.4	57	54	22	0	0	0	0	0	0
VT BURLINGTON	69	48	87	41	59	-6	.5	-.3	.4	.9	56	81	44	0	0	0	4	4	0
VA LYNCHBURG	79	51	91	46	65	-7	.1	-.7	.1	.4	25	81	999	1	1	0	1	1	0
VA NORFOLK	78	60	94	52	69	-5	.4	-.4	.4	.7	44	76	48	1	1	0	0	0	0
VA RICHMOND	81	54	94	48	68	-6	.2	-.6	.2	.3	20	84	43	1	1	0	2	0	0
VA ROANOKE	79	53	90	45	66	-5	T	-.8	T	1.1	69	2	38	1	1	0	0	0	0
WA COLEVILLE	69	51	77	48	60	0	.3	-.1	.2	.7	88	--	--	0	0	3	3	0	0
WA OMAK	73	52	79	43	63	0	.7	-.4	.7	1.2	200	--	--	0	0	2	2	1	0
WA QUILLAYUTE	61	48	66	41	55	0	.2	-.6	.1	1.0	59	92	65	0	0	5	5	0	0
WA SEATTLE-TACOMA	64	52	66	50	58	-2	T	-.4	T	.8	100	83	60	0	0	4	0	0	0
WA SPOKANE	66	48	76	41	57	-3	.5	-.1	.3	.6	75	92	59	0	0	0	0	0	0
WA WALLA-WALLA	70	54	75	52	62	-4	.5	-.2	.6	.5	71	75	53	0	0	2	4	1	0
WA YAKIMA	74	53	79	43	64	0	.6	-.4	.4	.6	150	72	43	0	0	4	4	0	0
WV BECKLEY	73	48	84	39	61	-7	.1	-.9	0	2.1	105	83	39	0	0	0	0	0	0
WV CHARLESTON	78	51	90	42	64	-7	.7	-.0	.4	1.3	93	88	38	1	1	0	2	0	0
WV HUNTINGTON	80	54	90	46	67	-5	.2	-.6	.1	.7	44	82	39	2	2	0	2	0	0
WV PARKERSBURG	75	52	85	44	63	-9	.6	-.3	.3	2.2	122	90	41	0	0	3	0	0	0
WI GREEN BAY	72	48	81	36	60	-4	T	-.8	T	2.9	181	82	45	0	0	1	1	0	0
WI LA CROSSE	80	58	89	48	69	0	T	-1.1	T	2.3	110	80	38	0	0	0	0	0	0
WI MADISON	75	48	87	37	62	-4	.2	-.8	.1	2.8	140	85	42	0	0	2	2	0	0
WI MILWAUKEE	69	48	80	40	59	-5	.1	-.7	.1	4.2	263	81	47	0	0	1	1	0	0
WY CASPER	85	46	91	42	65	4	0	-.4	0	0	0	76	14	1	1	0	0	0	0
WY CHEYENNE	81	49	87	43	65	4	T	-.6	T	T	0	59	18	0	0	0	0	0	0
WY LANDER	81	49	89	41	65	5	T	-.5	T	T	0	62	22	0	0	0	0	0	0
WY SHERIDAN	77	49	84	43	63	3	.4	-.4	.2	1.0	67	74	30	0	0	2	2	0	0
PR SAN JUAN	90	77	92	77	83	3	.8	-.5	.5	.9	33	--	--	4	0	5	5	1	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: No rain. Cooler than normal beginning of week, higher by weekend.

Fieldwork: 6.2 days suitable. Soil moisture very short to short. Planting stopped in drier areas. Planting progress: Soybeans 78%, 84% 1979, 82% average; sorghum 65%, 63% 1979. Corn silked 16%, 36% 1979, 24% average. Cotton squaring 8%, 3% 1979, 12% average. Peanuts pegging 5%, 8% 1979, 12% average. Wheat harvested 53%, 45% 1979, 61% average. Hay harvested 45%. Condition: Corn, soybeans, cotton, peanuts, sorghum, wheat and pasture fair to good.

ARIZONA: Sunny, dry weather. Average temperatures mostly 1 to 3° above normal.

Small grain harvest continues, 80% of wheat and 93% of barley harvested. Cotton 99% planted, same as last year. Cotton 27% squaring. Corn planting complete. Early sorghum planting complete. Late planting sorghum following small grains making good progress. Safflower continues setting seed. Sugarbeets 31% harvested. Dry onion, potato harvest full swing. Cantaloup, watermelon harvest just underway. Lettuce harvest winding down Willcox area. Carrot harvest steady central areas. Mixed vegetables making seasonal progress. Harvest Valencia oranges, grapefruit still steady, tapering off, groves good condition. Grape harvest increasing. Range, pasture continued deterioration. Southern ranges very poor to poor condition, northern ranges declined to mostly fair conditions. Cattle and calves, poor to fair condition in the south, fair to mostly good conditions for northern livestock. Water supplies short to adequate. Ranges providing average or less feed.

ARKANSAS: Below normal temperatures first of week, normal last of week. Extremes: 96 and 45°. Most rainfall 0.24 in., most areas received no rainfall.

Fieldwork: 7.0 days suitable. Soil moisture short. Rain needed for seed germination, plant growth. Soybeans 68% seeded, 56% 1979, 72% average. Rice 98% seeded, 95% 1979, 99% average. Cotton good condition. Rain needed. Some cotton squaring. Corn 90% seeded, 94% 1979, 98% average. Sorghum 90% planted, 81% 1979, 89% average. Wheat 56% harvested, 39% 1979, 49% average. Good condition. Oats 64% harvested, 46% 1979, 62% average. Apples, peaches good condition. Harvest of early peaches. Watermelon growth continued. Few tomatoes harvested. Cattle good condition. Pastures supplying average feed. Haying continued.

CALIFORNIA: Temperatures lower than normal all areas except south where temperatures ranged from normal to 5° above. Rainfall limited to north.

Cool weather slowed crop development. Rice 96% emerged, 97% last year. Winter wheat 14% harvested, 27% last year. Harvest active Imperial, Riverside Counties, beginning elsewhere. Oat, barley harvests active. Farmers concerned about grain harvest in time to plant following crops. Cotton 9% squaring, 20% last year. Hay activities normal. Planting dry beans. Grain sorghum being planted. Irrigation, thinning, cultivation, pest control activities normal. Bing cherry harvest completed Stockton-Lodi. Navels finished. Lemon, table grape, avocado harvests active. Pest problems minimal almonds, walnuts. Good quality desert grapefruit, 20% remain. Artichokes decline. Lima planting complete. Broccoli, cauliflower

steady. Melons gaining momentum, carrots very active, Bakersfield. Celery supplies shift to central coast. Lettuce steady. Onions increasing most areas. Kern potatoes at peak. Tomatoes slowed by cool weather. Most cattle moved summer ranges. Ranges becoming extremely dry, increasing fire danger. Water supplies excellent.

COLORADO: Warm and mostly dry. Almost no precipitation in mountains and west, spotty afternoon and evening thunderstorms in east and San Luis Valley. Temperatures 2 to 5° above normal.

Winter wheat all jointed except isolated fields, 100% 1979 and average; headed 94%, 85% 1979, 94% average. Corn seeded 93%, 100% 1979 and average; emerged 94%, 100% 1979 and average. Sorghum seeded 84%, 80% 1979, 85% average; emerged 59%, 45% 1979, 59% average. Dry beans seeded 87%, 70% 1979, 75% average; emerged 40%, 29% 1979, 40% average. Summer potatoes virtually all planted; emerged 71%, 75% 1979, 93% average. Fall potatoes planted 100%, 95% 1979, 99% average; emerged 38%, 56% 1979, 83% average. Fieldwork: 6.5 days suitable. Livestock good to very good condition.

FLORIDA: Numerous mainly afternoon and evening showers and thundershowers easing the dry spell. Heaviest rains occurred in the southeast. A violent thunderstorm packing winds in excess of 90 mph caused considerable damage in the West Palm Beach area, afternoon of the 10th. Record and near record low temperatures in the low to middle 60's occurred mornings of 14th, 15th. Temperatures averaged near normal.

Soil moisture mostly short. Corn, soybeans, peanuts suffering from dry conditions. Irrigation being used on most crops where available. Soybean planting delayed due to dry soils. Tobacco and hay harvest increasing. Sugarcane fair to good condition. Pastures good to excellent. Cattle mostly good condition. Citrus grove condition continues excellent, adequate soil moisture most citrus growing areas. Fruit shedding almost over. Valencia harvest slowing. Most vegetables completed harvest for the season. Crops remaining are declining seasonally. Shipments are down 9% from the previous week. Supplies eggplant, okra, watermelons gained. Sweet corn, potatoes held steady but shipments snap beans, cabbage, carrots, celery, cucumbers, parsley, peppers, radishes, squash, tomatoes decreased. Potato volume declining Hastings area as more growers finish season. Watermelon season complete southwest. Harvest steady west central area. Supplies steady north.

GEORGIA: Continued very dry. Temperatures near normal except 2° below northeast. Few local areas less than 0.70 in. south, east central few widely scattered showers, elsewhere no rain.

Soil moisture mostly short. Fieldwork: 6.0 days suitable. Soybeans fair to good, 78% planted, last year 87%, average 85%. Corn poor to fair, dry weather drought stress, 35% silked, 13% dough. Cotton fair to good, 54% squaring, 79% last year, average 54%. Peanuts fair to good, spraying for thrips, 44% blooming, last year 73%, average 66%, pegging 16%, last year 30%, 29% average. Tobacco mostly fair to good, sucker control, 6% harvested, last year 8% and average 9%. Sorghum 63% planted, last year 70% and average 67%. Hay crops fair to good. Wheat

75% harvested, last year 76% and average 80%. Peaches fair to mostly good, spraying, need moisture for sizing, 30% harvested, 37% last year, 43% average. Apples fair to good. Vegetables fair. Pastures fair to good, need rain. Cattle and hogs fair to mostly good.

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

IDAHO: Temperatures in 80's, then cooling. Extremes: 92 and 28°. Precipitation mostly below normal.

Potatoes planted 95%, 1979 100%, 100% average. Corn planted 100%. Dry beans planted 85%, 1979 100%, 100% average. Winter wheat 100% jointed, 90% boot, 45% headed. Spring wheat 95% jointed, 57% boot, 12% headed. Spring barley 95% jointed, 55% boot, 10% headed. Sugarbeets 85% thinned. First cutting alfalfa 33% done. Fieldwork: 5.1 days suitable.

ILLINOIS: Temperatures 1 to 6° below normal. Precipitation 0.50 to 4.00 north, none south.

Soil moisture mostly adequate. Corn condition good, average height 20 in., 11 in. 1979, 16 in. average; most advanced 30 in., 20 in. 1979, 27 in. average. Soybean condition good. Winter wheat good, 70% turning yellow, 65% 1979, 70% average; 5% ripe, 4% 1979, 25% average. Oats good, 52% headed, 52% 1979, 63% average; 15% filled, 18% 1979, 30% average. Alfalfa good, 81% first crop cut, 84% 1979, 81% average. Red clover good, 64% cut, 68% 1979, 73% average. Pastures good. Fieldwork: 5.8 days suitable.

INDIANA: Cool, sunny week. Temperatures averaged 5 to 9° below normal. Extremes: 35 and 94°. Precipitation 0.60 in. in north, 0.80 in. in central, 0.50 in. southwest, and 1.40 in. southeast. Local storms caused wind and lightning damage.

Fieldwork: 4.0 days suitable. Topsoil and subsoil moisture adequate to surplus. Replanting of flood losses begun. Corn 100% emerged, 1979 100%. Corn 14 in. high, 1979 10 in., average 14 in. Corn stands fair to mostly good. Soybeans 90% planted, 1979 95%, average 85%. Soybeans 80% emerged, 1979 80%. Soybean stands fair to good. Wheat 20% turning color, 60% at or beyond milk stage. Wheat condition mostly good. Oats 15 in. high, 1979 15 in. Oats 30% headed, 1979 30%, average 55%. Tobacco plants 55% set, 1979 70%, average 75%. Alfalfa hay 75% cut first time, 1979 75%, average 70%. Clover hay 60% cut, 1979 55%, average 50%.

IOWA: Temperatures seasonal with thunderstorms. Damaging storms with hail, high winds and some flooding reported. Heavy rains north central caused standing water and some flooding.

Fieldwork: 6.0 days suitable. Corn stand 92% of normal, last year 95%. Height of corn: Average of all corn 12", average of tallest corn 19". Soybean acreage planted: 100%, 1979 100%, normal 99%. Soybean acreage emerged: 97%, 1979 89%, normal 93%. Soybean stand: 90% of normal, last year 89%. First crop alfalfa hay harvest: 71%, 1979 68%, normal 73%. First crop clover hay harvested: 37%, 1979 23%, normal 36%. Topsoil moisture adequate. Subsoil moisture adequate. Crop conditions: All good, except oats fair to

good. Scattered wind and hail damage to corn and soybeans. Livestock in good condition. Market movement normal.

KANSAS: Dry weather with spotty, light showers. Highest precipitation about 0.25 in. Temperatures averaged 74 to 78° or from 3 to 6° above normal.

Wheat 99% headed, last year 98%, average 100%. Wheat turning 50%, last year 42%, average 71%. Wheat harvested 0%, last year 0%, average 3%. Corn planting 99%, last year 99%, average 99%. Soybeans 75% planted, last year 66%, average 67%. Sorghum planting 70%, last year 70%, average 70%. Fieldwork: 6.5 days suitable. Surface soil moisture generally short.

KENTUCKY: Strong warming trend but temperatures averaged 2 to 5° below normal. Precipitation scattered and well below normal.

Fieldwork: 5.6 days suitable. Soil moisture short to adequate. Tobacco setting progressed rapidly. Burley setting advanced to 84% complete, 86% last year, 95% average. Over 90% of dark tobacco set. Average height of corn 18 in. Most advanced fields averaged 30 in. Soybean planting 85% complete, last year and average 69%. Barley harvest 66% complete. Wheat harvest limited.

LOUISIANA: Rain minimal. Temperatures normal to 3° below normal. Extremes: 54 and 99°.

Soil moisture very short to short. Fieldwork: 6.4 days suitable. Corn fair, silked 40%, 66% 1979, dough 13%. Cotton mostly emerged, all 1979, condition fair, squaring 4%, 8% 1979. Rice planting near completion, emerged 98%, 100% 1979, condition fair to good. Sorghum planted 85%, 80% 1979, 76% average, emerged 76%, 72% 1979, condition fair. Soybeans planted 80%, 84% 1979, 79% average, need rain for planting, emerged 66%, 70% 1979, condition fair. Sugarcane fair to good. Small grains harvested 97%, 75% 1979. Pasture condition fair. Livestock good. Hay first cutting 78%, 86% 1979. Vegetables fair. Sweetpotatoes planted 88%, 89% 1979, 75% average.

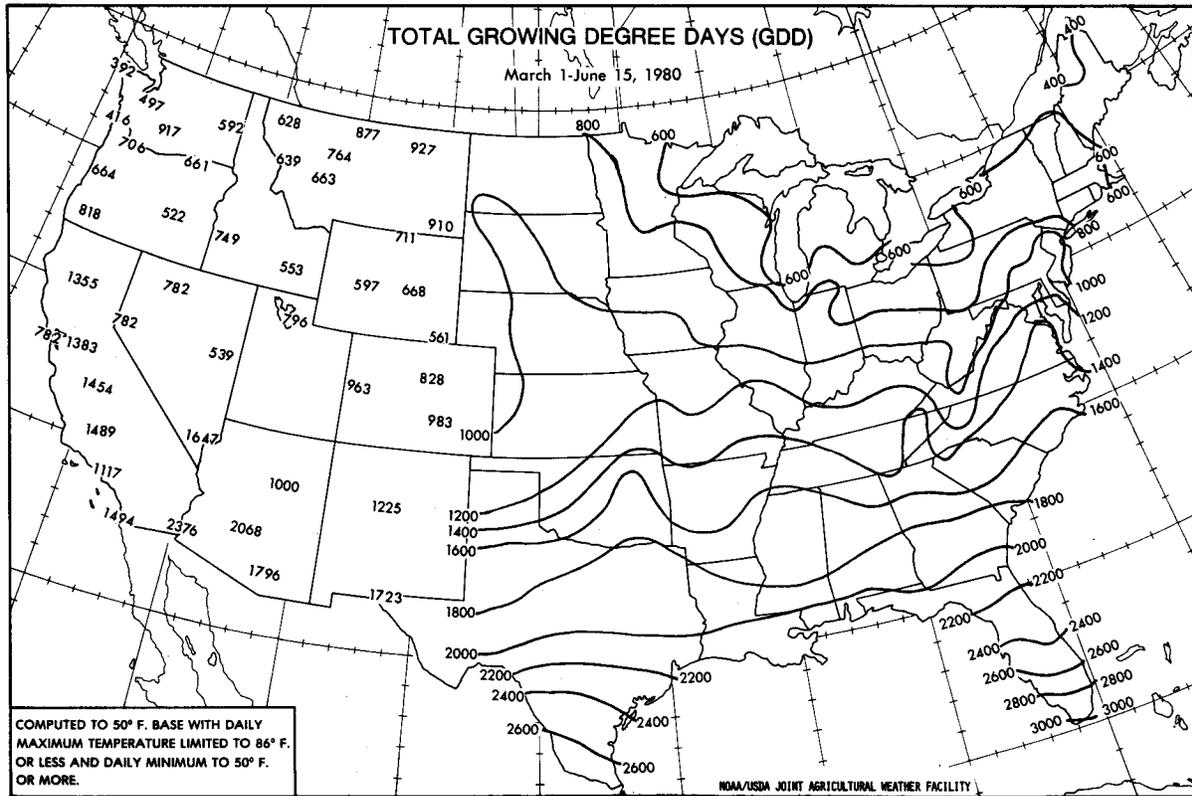
MARYLAND & DELAWARE: Temperatures averaged 5° below normal. Highs in upper 70's to low 80's, lows in the 50's. Precipitation moderate averaging 1.02 in.

Corn generally good condition. Soybeans 65% planted, 50% last year, 68% normal. Barley 40% harvested. Tobacco 75% planted. Apples, peaches excellent condition. Fieldwork: 6.0 days suitable.

MICHIGAN: Temperatures averaged 2 to 10° below normal. Freezing or near freezing temperatures 10th. Precipitation ranged from above 1.00 in. over southern Lower and eastern Upper to less than 0.30 in. over much of the northern Lower Peninsula.

Corn 96% planted, completed last year and normal. Soybeans 82% seeded, 93% last year, 90% normal. Dry beans 53% seeded, 62% last year, 59% normal. Potato seeding complete. Hay 22% first cut, 35% last year, 37% normal. Wheat 77% headed, 80% last year, 82% normal. Oats 3% headed, 4% last year, 10% normal. Asparagus 91% harvested, 89% last year, 90% normal. Strawberries 7% picked, 14% last year, 27% normal.

MINNESOTA: Temperatures averaged 2 to 4° above normal except locally on the North Shore near normal. Extremes 91 and 34°. Precipitation averaged up to 1.00 in. above normal in the west central district, near normal central and east



central, up to 1.00 in. below normal southern districts, between 0.50 and 1.00 in. below normal northern districts.

Rainfall maintained crops much same condition last week. Northwest still very dry while small area southwest remains too wet. Replanting soybeans continues areas that received hail and flooding. First cutting alfalfa sharply below normal. Soybeans and corn rated fair to good. Small grains rated mostly fair. Emerged: Corn 97%, 1979 94%, normal 97%; soybeans 88%, 1979 91%, normal 91%, flax 85%, 1979 59%, normal 83%. Jointing: Spring wheat 56%, 1979 5%, normal 44%; oats 65%, 1979 9%, normal 49%; barley 65%, 1979 41%, normal 4%; winter wheat 97%, 1979 80%, normal 92%; rye 100%, 1979 85%, normal 75%. Heading: Spring wheat 15%, 1979 0%, normal 20%; oats 14%, 1979 0%, normal 24%; barley 19%, 1979 0%, normal 20%; winter wheat 66%, 1979 26%, normal 60%; rye 80%, 1979 42%, normal 69%. Planting: sweet corn for processing 85%, 1979 97%, normal 99%. First cutting alfalfa hay 43%, 1979 23%, normal 48%.

MISSISSIPPI: Temperatures 5° below normal. Extremes: 43° and 97°. Greatest 24 hour rainfall 2.33 in.

Soil moisture short to very short. Fieldwork: 6.2 days suitable. Some planting slowed, waiting for rains. Hay 33% harvested, 29% 1979, 30% average. Peaches 18% harvested, 10% 1979, 15% average; fair to good condition. Sorghum 77% planted, 72% 1979, 72% average. Sweetpotatoes 79% planted, 80% 1979, 81% average. Soybeans 78% planted, 74% 1979, 72% average; 58% up to stand, 40% 1979, 55% average; condition fair to good. Rice 96% up to stand, 93% 1979, 100% average; condition good to fair. Wheat 98% ripe, 98% 1979; 70% harvested, 61% 1979, 61% average; condition good to fair. Cotton 99% up to stand, 100% 1979; 16% squaring, 14% 1979,

20% average; fair to good condition. Corn 99% up to stand, 95% 1979; condition fair to good. Pasture fair to good condition.

MISSOURI: Temperatures ranged from near normal to 5° below normal. Little or no rainfall. Fieldwork: 6.0 days suitable. Grain sorghum 90% planted, last year 77%, normal 76%. Soybeans 93% planted, last year 81%, normal 74%. Wheat 80% turning color, last year 66%, normal 85%. Wheat 19% ripened, last year 14%, normal 40%. Alfalfa hay 1st cutting 91% harvested, last year 80%, normal 82%. Other hay 56% harvested, last year 49%. Condition of winter wheat, corn and pasture mostly fair to good. Topsoil moisture mostly short.

MONTANA: Frequent showers and thundershowers. The dry northeast and southeast received from 0.25 to 2.00 in. of rain. West and northeast received heaviest precipitation. Temperatures mild and ranged from 5° above normal in northeast and southeast to 2 or 3° above normal elsewhere. Extremes: 93° and 27°.

Crops in central and north central improved with recent rains. Moisture conditions improved but many areas still short. Fieldwork: 4.0 days suitable. Winter wheat condition fair. Ranges from good in west to poor in east. Winter wheat progress: 5% not in boot, 45% in boot, 50% headed. Spring wheat, oats, sugarbeets, and corn fair condition, barley and potatoes good condition. Sugarbeets 60% thinned. First cutting alfalfa hay 10% complete. Stock, water and irrigation water supplies generally adequate except in east.

NEBRASKA: Precipitation light. Amounts up to 3.00 in. reported in east central. Temperatures near normal.

Winter wheat mostly good. Winter wheat over 95% headed; same as last year and normal. Winter wheat turning color 20%; less than 5% last year. Corn mostly good. Sorghum emergence 95% complete, 85% last year. Soybean emergence 90%, 85% year ago. First cutting alfalfa 75% complete, same as last year. Alfalfa mostly good. Sugarbeet thinning and hoeing active. Dry bean planting virtually complete. Topsoil moisture short to adequate. Subsoil moisture mostly adequate. Range and pasture feed supplies mostly adequate. Fieldwork: 6.6 days suitable.

NEVADA: Mostly dry. Temperatures averaged 3° below normal. Extremes: 103 and 29°.

Little to no rain aided alfalfa hay harvest. Small grains improved by warmer weather and sunshine.

NEW ENGLAND: Record cold temperatures and frost in some locations. Warming trend took temperatures from 10 to 20° below normal to 5 to 10° above normal. Showers and thundershowers over much of the area with some hail. Some snow reported in northern mountains.

Fieldwork: 3 to 6 days suitable. About 20% of the first cutting hay harvested, much of that as haylage. Soil moisture short for the Maine potato crop. Some growers still shipping. Cranberry bogs survived the near frost and crop prospects continue to look good. Corn and vegetable crops slowed by cool damp weather. Soil moisture and grazing conditions are rated adequate over entire region except Maine where it is rated as short.

NEW JERSEY: Temperatures averaged well below normal. Extremes: 33 and 89°. Rainfall averaged 0.57 in. north, 0.61 in. central and 1.53 in. south. Soil moisture, in percent of field capacity averaged: 90 north, 64 central and 79 south.

Fieldwork: 5.0 days suitable. Vegetable harvest continues to increase. White potatoes in bloom. Sweetpotato transplanting about complete. Strawberry harvest declining. Peach thinning continues. Light blueberry harvest next week. Barley and wheat coloring rapidly. Haymaking continues as weather permits.

NEW MEXICO: High temperatures. Scattered showers. Windy afternoons.

Soil moisture short. Surface water on ranges short due to hot dry conditions. Crops good condition. Cotton growth about two weeks behind normal. Very little squaring. Second cutting of alfalfa progressing south. First cutting beginning northern areas. Onion harvest well underway Mesilla Valley. Light fruit sets in apple orchards some areas. Pecans good progress. Grasshoppers a problem on eastern ranges. Spraying this week in Curry and Quay Counties. Branding and marking of calves and lambs continue.

NEW YORK: Temperatures averaged 5 to 10° below normal. Light snow. Rainfall averaged below normal except for locally heavy showers.

Fieldwork delayed by rain. Frost in colder areas. Corn planting nearly complete. First cutting alfalfa 36% done, 23% 1979, 30% average. Clover-Timothy harvest 21% complete, 13% 1979, 22% average. Grass silage 44% cut, 34% 1979, 41% average. Strawberry harvest started. Frost caused some damage to vegetable crops in low lying western areas. Localized hail damage to tree fruit in a few western counties. Lake Champlain fruit set good. Hudson Valley fruit prospects good.

NORTH CAROLINA: Temperatures near normal and below. Precipitation light.

Fieldwork: 6.2 days suitable. Soil moisture very short to short. Conditions: Pastures, hay, cotton, peanuts, soybeans, apples and peaches fair to mostly good. Field tobacco, corn, Irish potatoes and sweetpotatoes mostly fair to good. Plantings: Sweetpotatoes 75%, 1979 90%, average 84%; sorghum 83%, 1979 70%, average 76%; soybeans 82%, 1979 71%, average 78%; burley tobacco 90%, 1979 90%, average 88%. Harvested: Irish potatoes 2%, 1979 9%, average 19%; peaches 4%, 1979 7%, average 11%; hay 57%, 1979 47%, average 47%; wheat 35%, 1979 22%, average 32%; oats 49%, 1979 31%, average 42%; barley 68%, 1979 38%, average 47%; rye 42%, 1979 32%, average 41%.

NORTH DAKOTA: Showers, thunderstorms brought rain. Southwest fared best with more than 1.00 in. Thunderstorms on the 11th, 12th and 13th brought high winds and locally heavy rains to portions of the West. Straight-line winds to 100 mph were reported. Marble-sized hail pelted some areas. Temperatures averaged 5 to 8° above normal. Extremes: 37° and 93°.

Rainfall and cooler temperatures improved the condition of crops, greened up pastures and continued to improve soil moisture. However, rain came too late for a major portion of the early seeded small grain crop. Topsoil rated short to adequate. Subsoil moisture rated short. Currently subsoil moisture shortage covers the largest area on record since 1961. Small grain seeding virtually complete. Row crop planting percents with last year and normal: Sunflower 87, 94, 91; corn 92, 95, 91; potatoes 99, 98 and 96; soybeans 93, 98, 95; and dry edible beans 98, 98, and 93. Condition of small grain mostly poor to fair. Development of small grain ahead of normal. Fifty-five to 63% of the small grain acreage was jointing or beyond compared to the average of 29 to 41%. Percentage of current crop emerged and beyond compared to last year and average is: Spring wheat 94, 84, 90; durum 94, 73, 87; barley 94, 84, 89; and oats 93, 82, and 90. Pasture growth continued to improve by responding to recent rainfall and is rated 2% very good, 22% good, 31% fair and 45% poor. Haying just starting, yields expected to be below average. Livestock continue to receive supplemental feed.

OHIO: Week began with cool weather, but temperatures rose during midweek. Highs ranged from 4 to more than 8° below normal. Low of 35 was reported. Averages were from 6 to 10° below normal. Precipitation ranged from 0.60 to 1.70 in.

Reports indicate about 5% of corn acreage and 10% of soybean acreage is in need of replanting. Soybeans planted 90%, 95% 1979, 95% average. Tobacco transplanted 60%, 60% 1979, 65% average. Alfalfa cut 60%, 70% 1979, 70% average. Other hay cut 40%, 45% 1979, 50% average. Wheat turning 15%, 25% 1979, 30% average. Oats headed 20%, 35% 1979, 50% average. Corn height 12 in., 11 in. 1979, 12 in. average. Fieldwork: 4.5 days suitable. Pasture condition good. Soil moisture mostly adequate.

PUERTO RICO: Island average rainfall 1.90 in. or 0.35 in. above normal. Temperatures averaged 82° on coasts and 76 to 78° interior. Extremes: 69 and 84°.

OKLAHOMA: Week dry with temperatures near normal. Precipitation averaged 0.33 in. Panhandle and 0.50 in. southeast with no rain elsewhere.

Wheat harvest becoming active. Wheat rated good to excellent. Spring planted crops mostly good. Pastures and ranges good to excellent. Wheat headed 10%, same 1979 and average. Wheat soft dough to mature 85%, 95% 1979 and average. Wheat harvested 5%, 5% 1979 and 30% average. Sorghum 75% planted, 70% 1979, 80% average. Sorghum up to stand 30%, 35% 1979, 45% average. Cotton planted 75%, 85% 1979, 85% average. Cotton up to stand 50%, same 1979 and average. Corn up to stand 100%, 95% 1979 and average. Corn 5% tasseled, same average. Fieldwork: 6.2 days suitable.

OREGON: Temperatures near normal along coast, 1 to 5° below normal interior. Precipitation 0.03 to 0.61 in. along coast, 0.40 to 0.90 in. in western valleys, 0.03 to 1.01 in. east.

Soil moisture supplies mostly adequate. Winter wheat good to excellent, 94% headed; 92% 1979; 6% turning color; 4% 1979. Wet weather causing serious problems for haying. Strawberry harvest nearing peak, maturity slowed by cool wet weather. Caneberries in full bloom. Spraying and thinning continuing in fruit orchards. Onions and potatoes good. Peas in full bloom. Livestock, range and pasture condition good to excellent. Continuing rain helping forage growth.

PENNSYLVANIA: Clear, sunny and cool until weekend, when showers and thunderstorms produced 0.50 in. rainfall in most east and central areas, and 1.00 to 1.80 in. in west. Coolest week since mid-May, with temperatures averaging 7 to 13° below normal. Extremes: 28 and 88°. Record cold 11th and 12th.

Fieldwork: 5.0 days suitable. Soil moisture mostly adequate. Corn planting virtually complete, same as last year. Average height 7 in., last year 9 in. Tobacco 56% planted, last year 66%. Soybeans 83% planted, last year 85%. Barley 65% headed, 34% turning yellow and less than 5% ripe, last year 50% headed, 45% turning yellow and 5% ripe. Wheat 90% headed and 8% turning yellow, last year 84% headed and less than 5% turning yellow. Oats 15% headed, last year 20%. First cutting alfalfa 51%, last year 44%. Traces of a second cutting, same as last year. Clo-Tim 28% harvested, last year 26%. Hay condition mostly good to fair. Feed from pasture mostly average to above average.

PUERTO RICO: Island average rainfall 1.90 in. or 0.35 in above normal. Temperatures averaged 82° on coasts and 76 to 78° interior. Extremes: 69° and 84°.

SOUTH CAROLINA: Temperatures averaged above normal first part of period, below normal latter part. No measurable rainfall.

Cotton condition fair to good, cool nights slowing maturity. Corn rated poor to fair, dry weather beginning to take its toll. Soybean planting 78%, 83% last year and average. Plantings slow due to dry weather. Tobacco fair to good condition. Irrigation active. Peach harvest 7%, 12% last year, 16% average. Condition fair to good, irrigation active. Apple condition good. Small grains fair to good. Percent harvested, wheat 66, 54 last year, 64 average; oats 68, 60 last year, 70 average. Tomatoes good to excellent condition, 10% harvested, 17% last year. Snap beans, 66% harvested, 72% last year. All cucumbers, 73% harvested, 82% harvested last year.

SOUTH DAKOTA: Average temperatures 2 to 5° above normal east, 4 to 6° above normal west. Extremes: 98 and 34°.

Topsoil moisture adequate most of east, short elsewhere. Small grains poor condition, some

plowed under and planted to row crops. Considerable acreage heading out on short stems. Light hail damage soybeans and corn, some replanting due mainly to washing out from heavy rains. Ranges poor, water low, some grasshopper problems. Livestock good, some supplemental feeding continued. Fieldwork: 5.0 days suitable. Flax 98% planted, 1979 100%, average 97%. Soybeans 98% planted, 1979 95%, average 95%. Sorghum 91% planted, 1979 94%, average 86%. Sunflowers 86% planted, 1979 92%, average 81%. Oats 49% headed, 1979 6%, average 25%. Spring wheat 45% headed, 1979 3%, average 19%. Barley 49% headed, 1979 11%, average 28%. Winter wheat 96% headed, 1979 75%, average 83%.

TENNESSEE: Another dry week. Rapid warming over weekend.

Fieldwork: 6.1 days suitable. Soil moisture short. Cotton and corn good, need rain. Soybeans 80% planted, 1979 70%, average 72%. Tobacco 90% transplanted, 1979 90%, average 90%. Wheat 70% ripe, 1979 67%, average 75%. Wheat 15% harvested, 1979 13%, average 24%. Oats 60% ripe, 1979 49%, average 53%. Oats 15% harvested, 1979 7%, average 15%. Cattle good. Pastures fair.

TEXAS: Crops: Dry, open weather ideal wheat harvesting conditions, Central southward, Low Plains harvest delayed wet field conditions. High winds. hail destroyed few Panhandle fields. Rains, high winds necessitated replanting of cotton southern High Plains; scattered fields replanted sorghum. Planting Low Plains slowed by rain; some fields replanted third or fourth time. Early plantings in four-leaf stage. Damage from fleahoppers, boll worms increased Central, South, producers undertaking control measures. Moisture supplies low Blacklands, East; some fields signs moisture stress. Sorghum planting delayed Panhandle by rain, hail. Central fields moisture-stressed; dryland yields significantly reduced if moisture not received soon. Trans-Pecos early fields "burning" scattered areas lack of rain. Central, South-central insect control measures. Soybean replanting High Plains after heavy rains early week. Central fields need rain; some stands poor condition. Corn roasting ear stage Blacklands southward. Moisture short most areas except High Plains where rain, hail washed some fields. South, South central fields drying; moisture needed to fill ears. Peanut planting fast pace central. South planting dryland fields delayed dry soil conditions. Second cutting hay good growth High and Low Plains because adequate moisture. South fields need rain. Trans-Pecos alfalfa fields heavy grasshopper damage. Oat harvest increased dry, open weather. Many baled for hay. Cotton planted 96%, 91% 1979, 94% average. Cotton squaring 18%, 17% 1979. Cotton setting bolls 12%, 9% 1979. Rice headed 8%, 11% 1979. Sorghum planted 94%, 91% 1979, 93% average. Sorghum headed 40%, 37% 1979. Sorghum turning color 18%, 17% 1979. Wheat turning color 87%, 93% 1979. Wheat harvested for grain 23%, 18% 1979, 34% average. Peanuts planted 73%, 64% 1979, 67% average. Soybeans planted 81%, 64% 1979, 72% average. Sunflowers planted 55%, 52% 1979, 56% average.

Commercial Vegetables: In Lower Rio Grande Valley, movement cantaloups, honeydew melons, watermelons, peppers continued good volume. Light to moderate supplies tomatoes, squash, okra, cucumbers also available. Land preparation continued in Coastal Bend area. Harvest watermelons, cantaloups continued. Light supplies onions available. In San Antonio-Winter Garden area, onion harvest tapered off. Harvest beets, cucumbers for pickles continued. Land preparation continued for fall planting. In Central Texas light supplies tomatoes, peppers, squash, beans, cucumbers available. In East Texas planting sweetpotatoes continued. Sup-

plies squash, beans, tomatoes, greens, peppers available. Fungus diseases present. Watermelons, cantaloups making good growth. In North harvest collards, turnips, mustard, squash, onions continued. Light supplies beans, tomatoes, peppers available. Where fields not watered, production dropping off from dry, hot weather. In Trans-Pecos area, onion harvest continued. At El Paso, limited supplies of cabbage available. Chile peppers, potatoes making good growth. On High Plains, most onions, potatoes, peppers making rapid growth. Peach harvest underway. Supplies remained limited. Spraying of pecan trees remained active. Nutlets sizing normally.

Range and Livestock: Ranges, pastures received boost from scattered showers which spread across western areas. Moisture benefited forage growth, helped maintain livestock in good condition. Ample forage available; however, most parts getting dry and need moisture to maintain growth. Hay supplies being replenished as hay baling is active. Grasshoppers continued to cause problems some localities.

UTAH: Few widely scattered showers and thunderstorms. Accumulated amounts light. Rising trend in temperatures. Averages ranged from 3° below normal to 5° above.

Soil moisture averaged adequate but drying fast under persistent winds. Fieldwork: 6.7 days suitable. First crop hay 44% harvested compared with 12% one week earlier. Small grains good condition. Winter wheat 64% headed. Spring grains mostly in joint or boot stage. Corn averages only 4 in. tall and is well behind normal. Green peas and onions fair to good condition. Tomatoes, sweet corn and snap beans poor to fair. Livestock moving to summer ranges in excellent condition.

VIRGINIA: Temperatures averaged below normal. Rainfall generally light except for isolated, heavy thunderstorms.

Dry conditions affecting pasture, corn growth. Topsoil moisture short to adequate. Fieldwork: 5.9 days suitable. Soybeans 70% seeded, 50% 1979, 67% average. Tobacco plantings: Flue-cured virtually complete; burley 85%, over 85% 1979; fire-cured 90%, 95% 1979; sun-cured 90%, virtually complete 1979. Small grain harvesting: Wheat 5%, 5% 1979, 14% average; barley 35%, 35% 1979, 47% usual; oats 10%, 10% 1979, 23% average. Pasture, crop condition good to excellent, but need rain. Controls applied for: Blue mold, all tobacco areas; corn borer, southern Piedmont. Irrigating cabbage.

WASHINGTON: West: Temperatures averaged mostly normal. Precipitation averaged 0.10 in. below to 0.70 in. above normal. Third eruption of Mount St. Helens 12th sent ash southwest into Oregon. Damage considered minimal. Harvest of lettuce, radishes, strawberries, and flower bulbs continued. Raspberries and blueberries good condition. Early green peas blossomed, late plantings virtually completed. Late cucumber and cauliflower planted. Local hay adequate.

East: Temperatures averaged 2° below normal, except normal northeastern. Precipitation averaged up to 0.20 in. above normal. Most fruit in good condition. Apples sizing well. Fire blight sprays applied in peaches. Asparagus cutting continued, along with alfalfa. Rains and ash causing problems in alfalfa. Hay supplies short. Fall and spring grains in good condition. Lodging and fungus stripe reported in winter wheat stands. Cool weather hampered growth of dry beans and field corn. Peas and lentils recovering from effects of ash. Ranges in good condition. Soil moisture above average.

WEST VIRGINIA: Temperatures 8° below normal. Extremes: 90 and 32°. Reports of scattered frost. Precipitation near normal.

Soil moisture adequate to surplus. Fieldwork: 4.4 days suitable. Wheat good to fair, 22% pre-headed, 74% headed, 4% ripe, 12%, 81%, 7% respectively 1979. Barley good to fair, 4% pre-headed, 88% headed and 8% ripe, 11% pre-headed, 75% headed, 5% ripe and 9% harvested 1979. Oats good to fair, 77% pre-headed, 22% headed, 1% ripe, 69%, 30%, and 1% respectively 1979. Corn good to fair, 96% planted and 89% emerged slightly trails 1979. Tobacco fair to poor, 40% set. Fruit fair to good. Hay good, 36% 1st cutting, 2% 2nd cutting. Cool nights continue to slow progress.

WISCONSIN: Temperatures 4° below normal. Lows in 20's north with frost morning 10th. Extremes: 89 and 28°. Rainfall amounts variable but mostly light, ranging from 0.10 to 0.40 in. Tornadoes and wind damage northeast 14th. Cold front late 14th brought cooler temperatures and some rain south, with over 1.00 in. near Illinois border.

Fieldwork: 4.0 days suitable. Some good haying weather. First crop hay 25% harvested, 1979 25%, normal 27%. Corn crop doing well. Corn height averages 10 in., 1979 6 in., normal 7 in. Cultivating and spraying being done for weed control. Soybeans emerged except where heavy rains previous week crusted soils. Oats and small grains generally look good. Winter wheat headed on short straw. Early oats beginning to head. Pasture conditions improved. Early peas look very good and harvest will start soon. Planting late vegetable crops nearing end. Gardens in north hurt by frost. Strawberries being picked. Tobacco being transplanted. Soil moisture adequate to surplus.

WYOMING: Warm, dry weather prevailed. Temperatures averaged 4° above normal and 66% of the stations recorded no precipitation.

Fieldwork: 7.0 days suitable. Topsoil moisture declining, adequate most areas. Crops fair to mostly good condition. Planting of dry beans, potatoes and corn in windup stages. Acreage emerged: Dry beans 56%; potatoes 39%; corn 76%. Winter wheat heading slower than normal, 62% compared to average of 72%. Sugarbeets thinned, 89%. Seven percent 1st cutting alfalfa complete. Small amount other hay harvested. Hail damage to crops in north central. Range conditions mostly good, adequate stock water.

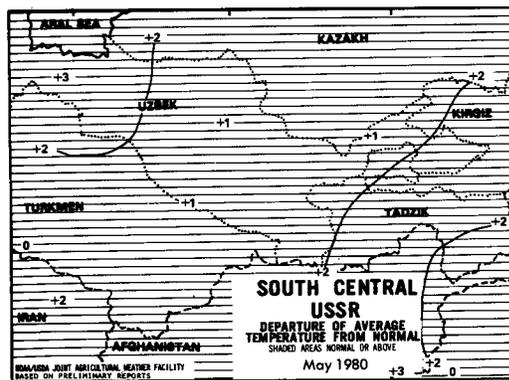
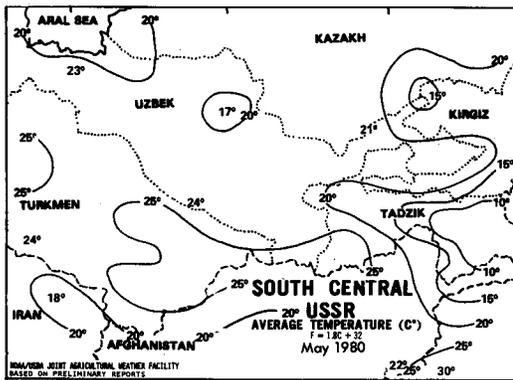
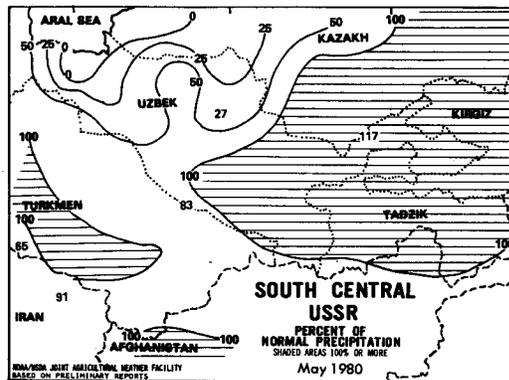
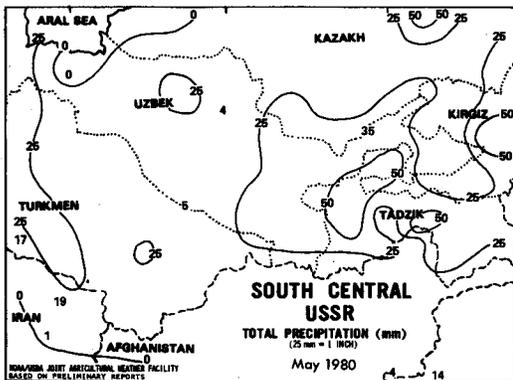
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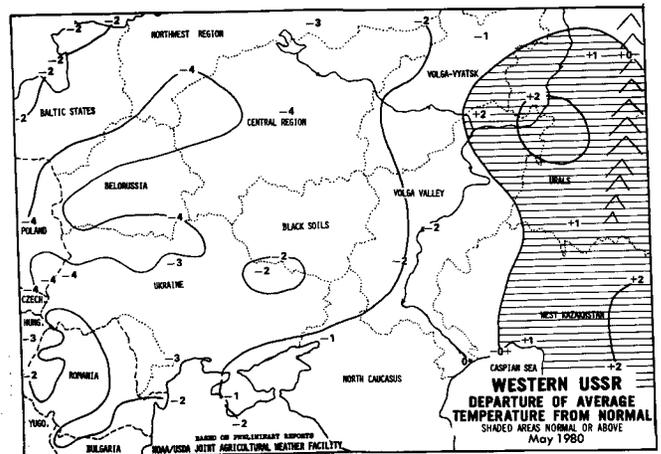
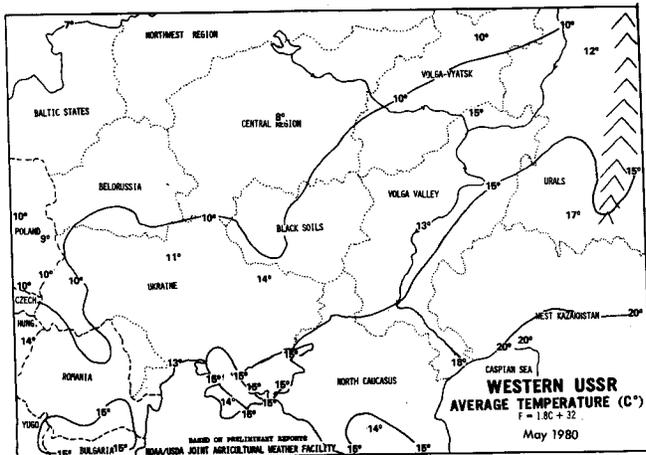
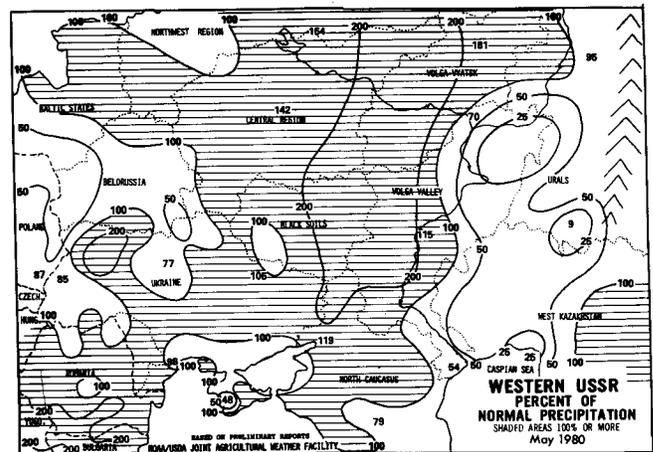
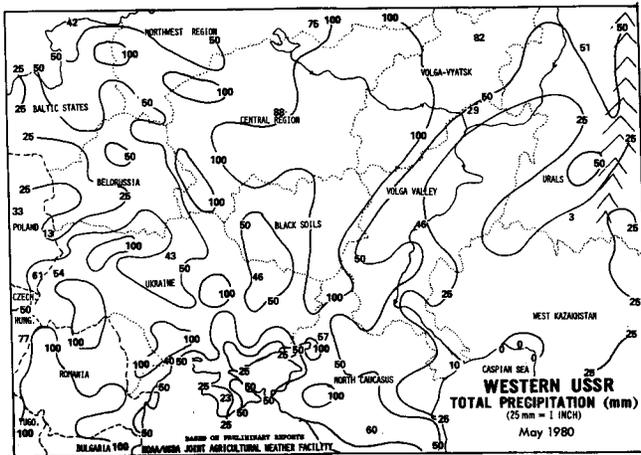
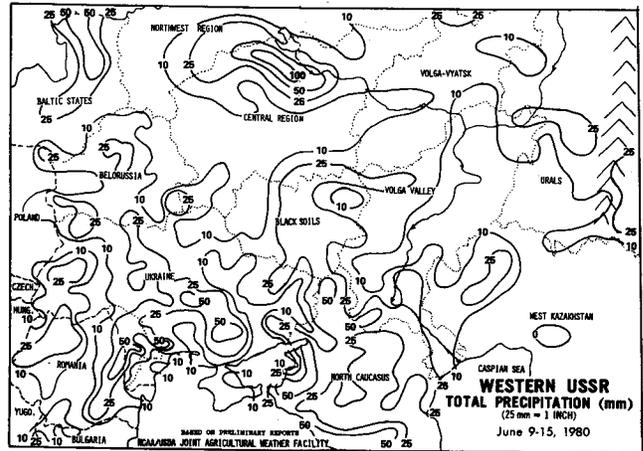
HIGHLIGHTS:

- USSR:** Winter grain heading...too wet in many areas. Sowing of spring grain essentially complete...some areas remain too dry.
- EUROPE:** Winter grain heading...beneficial rain in England.
- CHINA:** Harvesting winter grains...some areas too wet. Double-crop rice turning color*...drier weather in extreme South.
- INDIA:** Planting season in progress...monsoon advancing normally.
- THAILAND:** Dry-season in vegetative stage*...continued beneficial rains.
- AUSTRALIA:** Sowing winter grains...some dryness in W. Australia.
- ARGENTINA:** Harvesting soybeans...favorable weather. Sowing winter wheat...soil moisture good.
- BRAZIL:** Sowing winter wheat*...soil moisture good.
- MEXICO:** Soybeans in seedling stage...critical shortage of irrigation water in the Northwest.
- CANADA:** Spring grain sowing essentially complete...too dry in some areas; frost again.

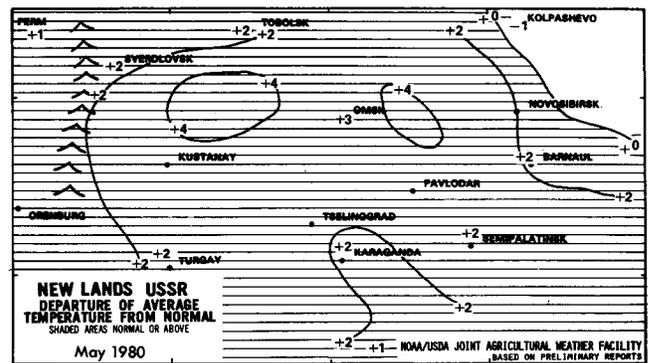
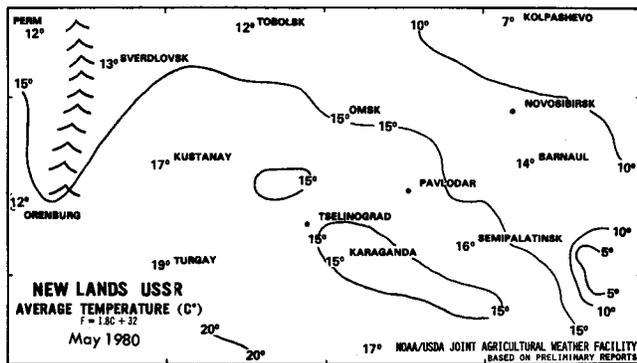
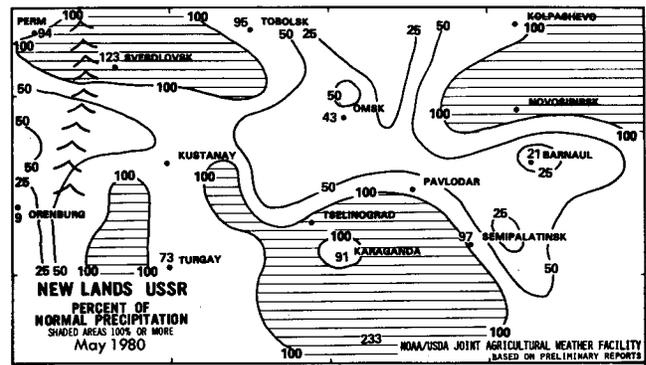
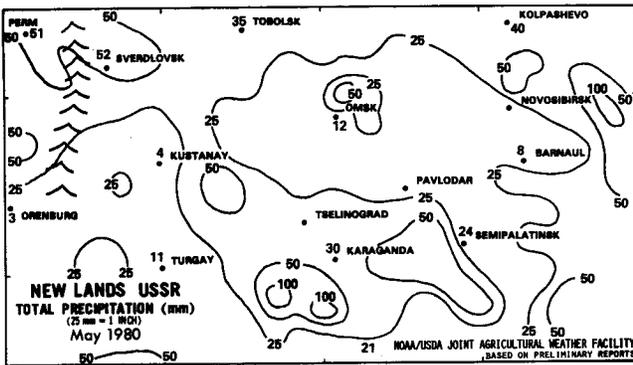
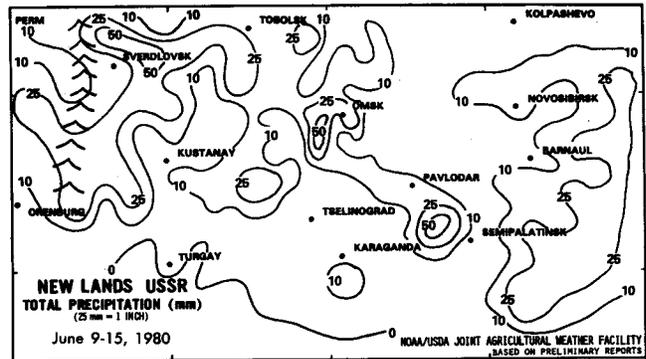
*Based on normal crop calendar information.



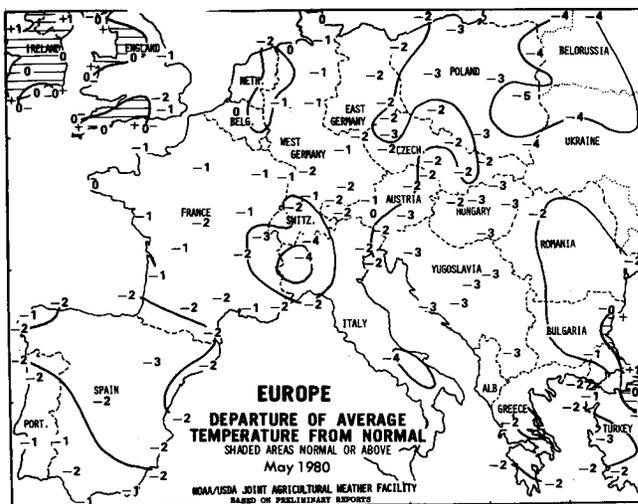
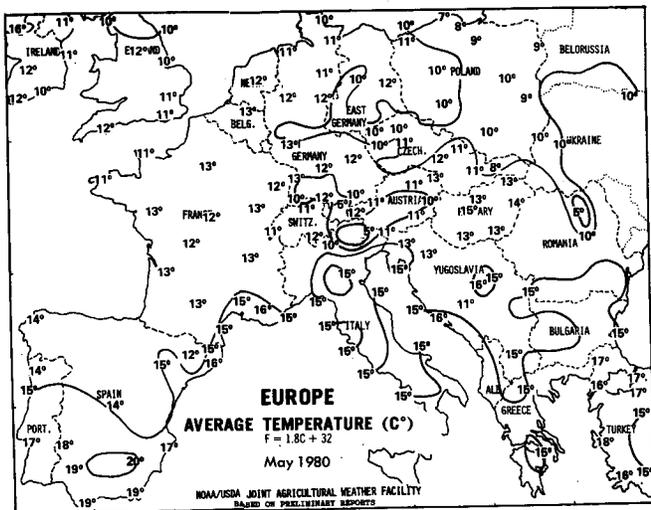
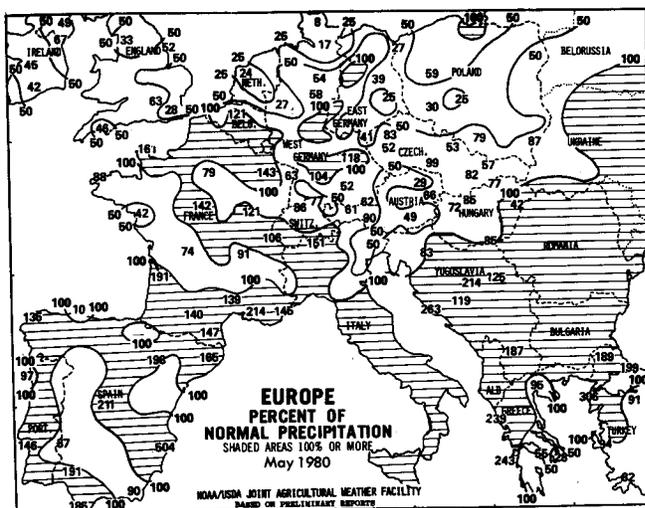
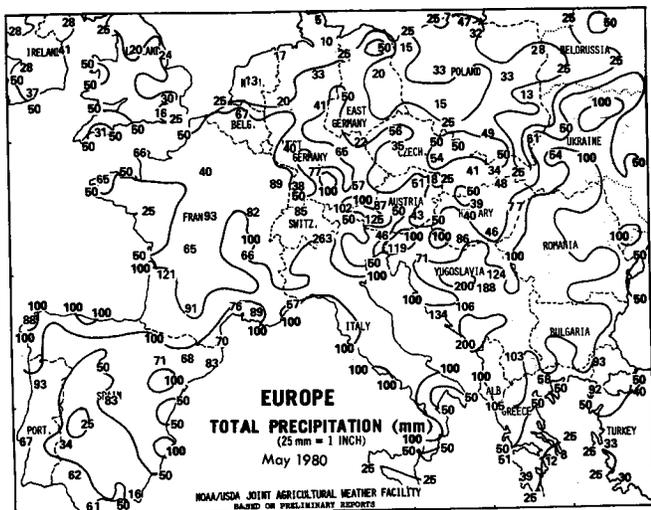
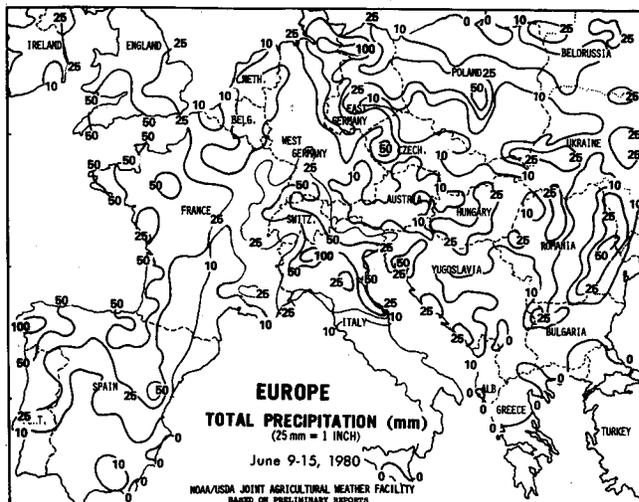
WESTERN USSR. Relatively heavy rainfall continued over southern parts of European USSR, although higher totals were not so widespread in the Ukraine this week. Nevertheless, excessive water in fields probably has persisted which would be a worsening of conditions after a wet May, and would very possibly detract from winter grain yields. Other areas in the south receiving more moderate rainfall amounts should benefit from the moisture. Temperatures returned to near normal, except in the rainiest areas, but this did not allow crops to make up for delays which increased in May. An extensive area in the Volga Valley became too dry for good growth of spring grains in May, and only parts of the area have received some relief so far in June.



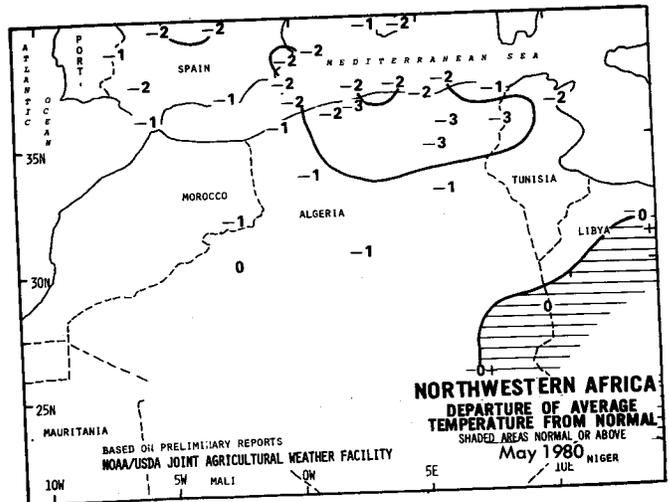
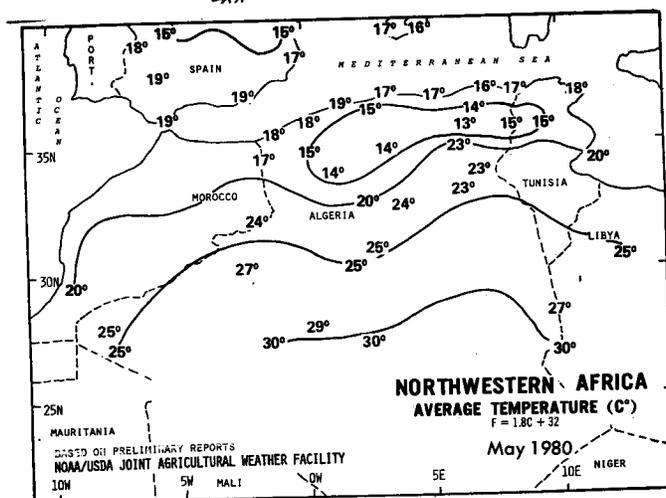
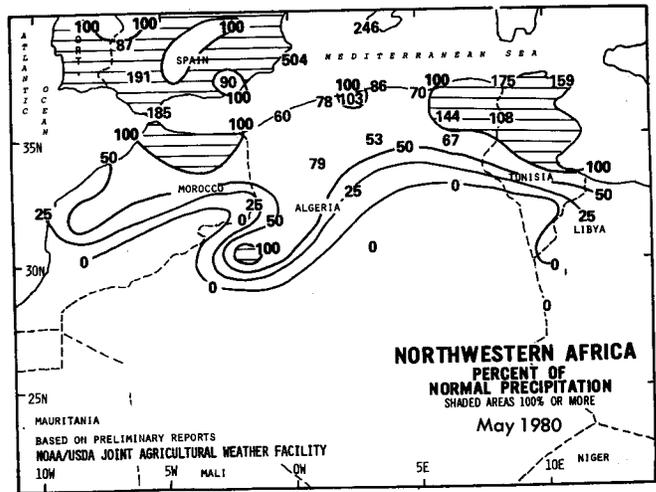
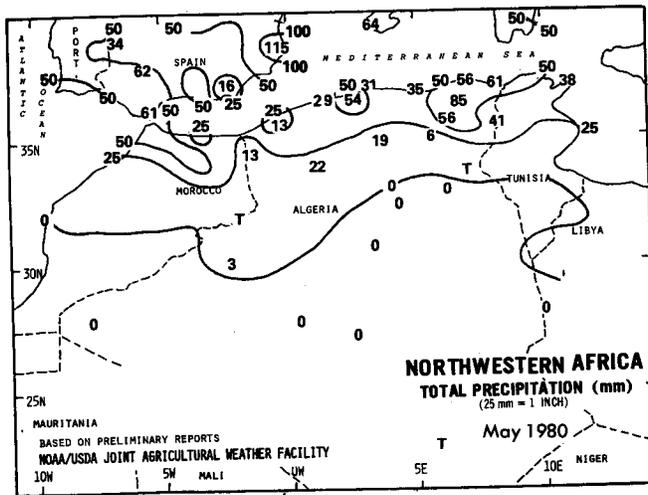
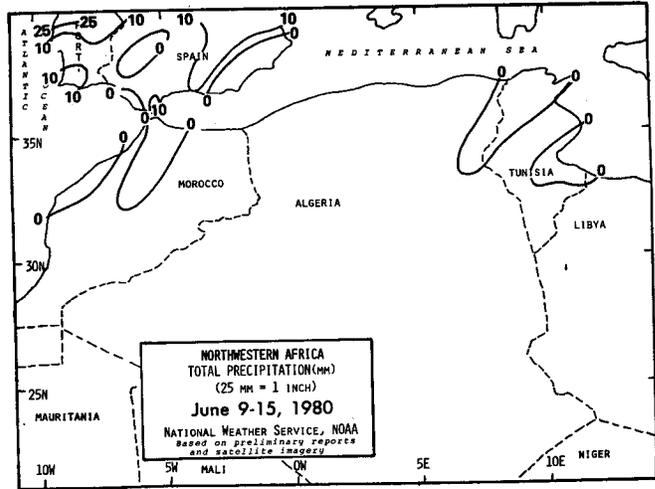
NEW LANDS. Large portions of the New Lands received above-normal rainfall, maintaining generally adequate soil moisture for newly sown spring grains. Dry conditions which had continued to develop during May in the east near Barnaul have been eased over a broad area by two weeks of relatively wet weather. Dryness persists to the west toward Omsk, where rainfall deficiencies had begun in May.

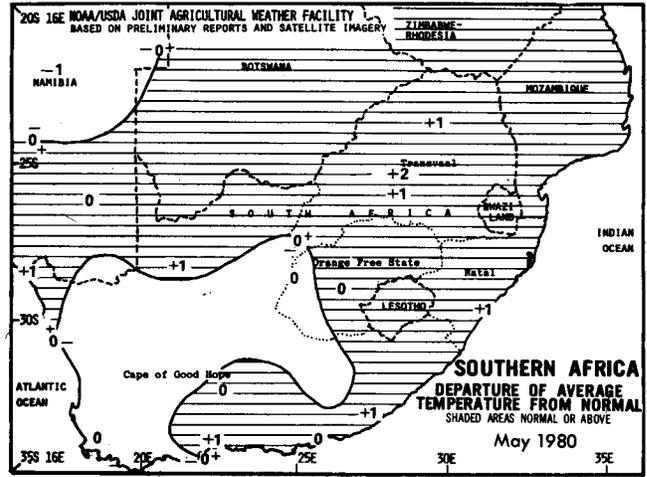
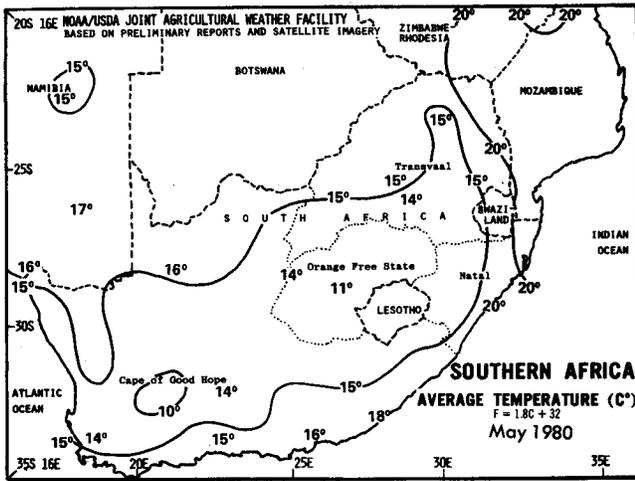
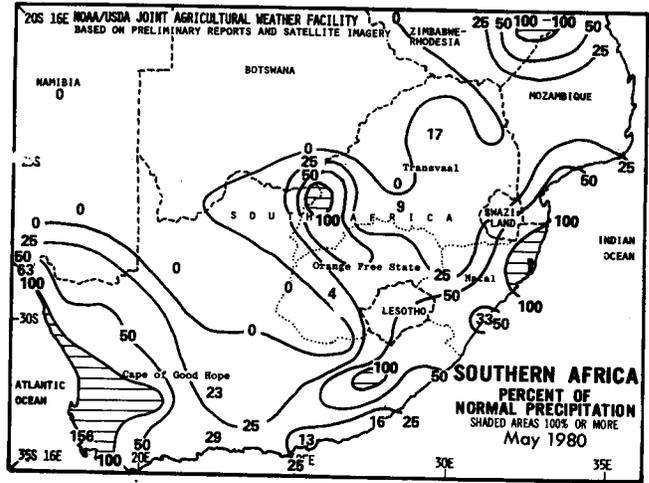
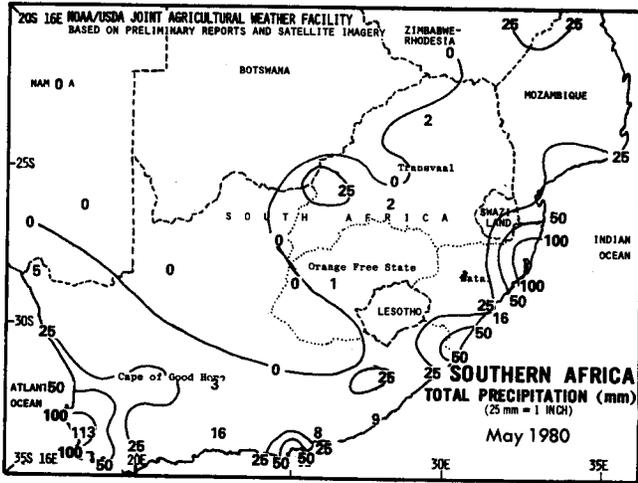


EUROPE. A large portion of Europe received above-normal rainfall from a series of frontal systems. The southern-most parts of the Mediterranean countries dried out even more this week, improving harvest conditions after a wet May. Wet weather continued in many parts of the southeast, and northern Italy and Spain. Conditions were the worst in northern Italy, where winter grains which were ready for harvest probably suffered quality losses. Nearly all of Europe had experienced slightly below normal temperatures in May, with substantial deviations in northern Italy further delaying winter grain maturation. Most serious delays in the southeastern countries have been amongst the spring-planted crops, for winter grains have generally benefited from the wet weather. Above-normal rains across the north favored crop growth for the most part, with perhaps some excessive water in northwestern France and along the East/West German border. Abundant rainfall over England markedly improved growing conditions following a dry May, when rain fell only in the last week.

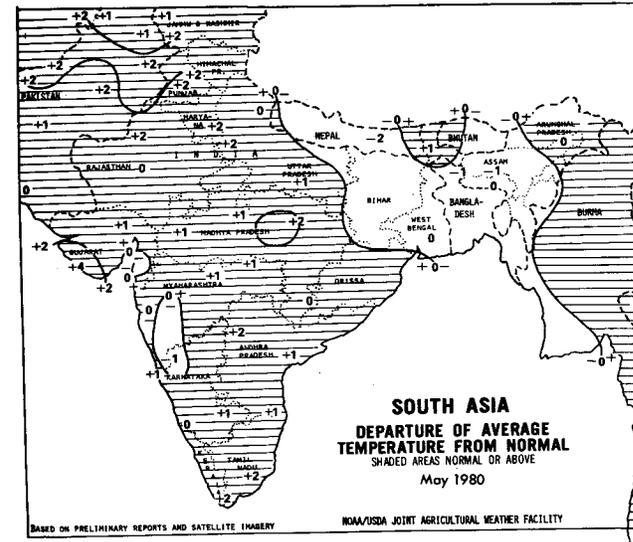
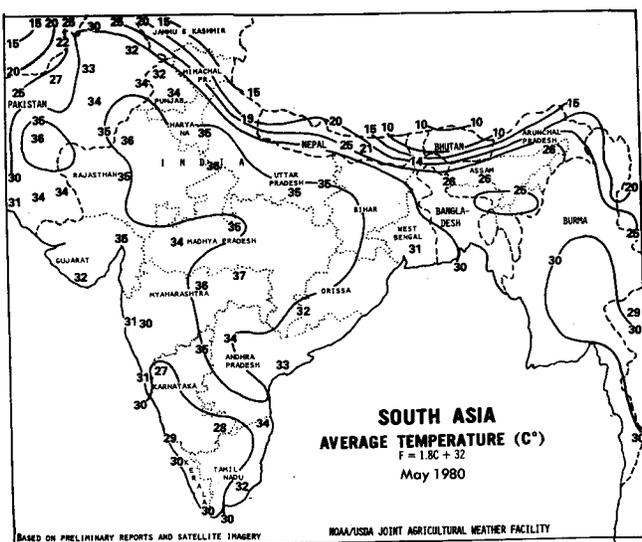
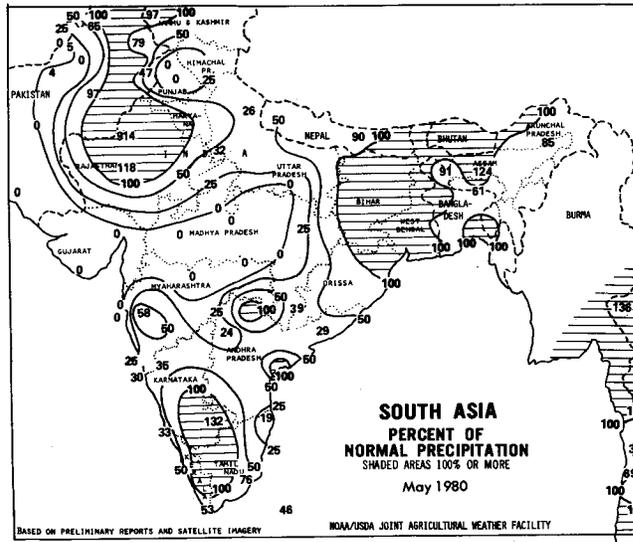
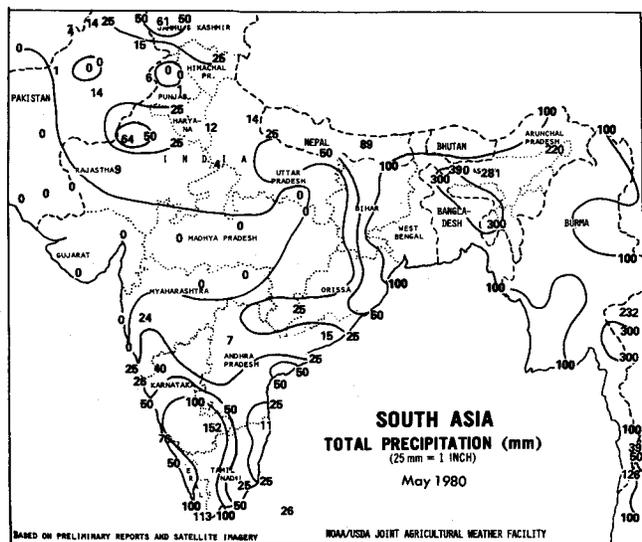
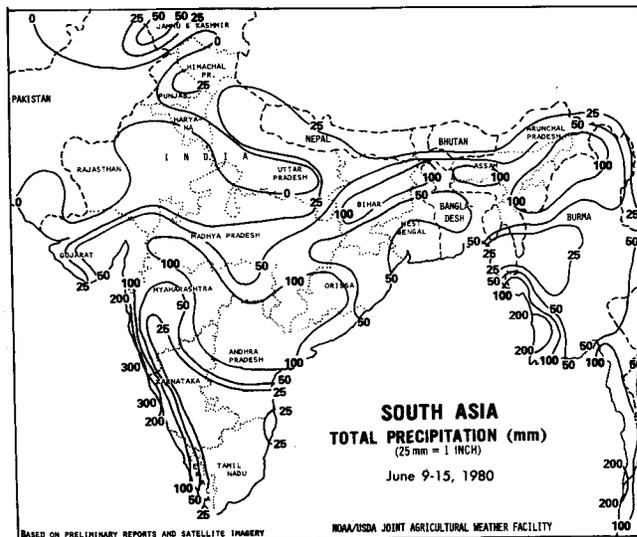


NORTHWESTERN AFRICA. Drier than normal weather over most winter grain areas in May favored harvest activities. Some persistent, above-normal rainfall in Tunisia and eastern Algeria may have interfered some with harvesting in May, but a return to normal, dry weather has minimized problems.

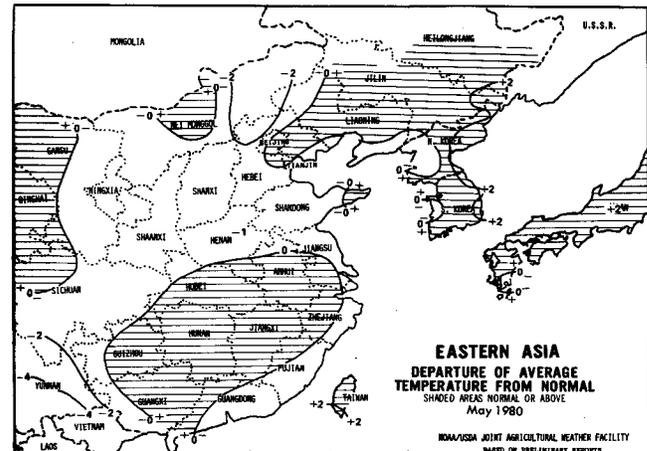
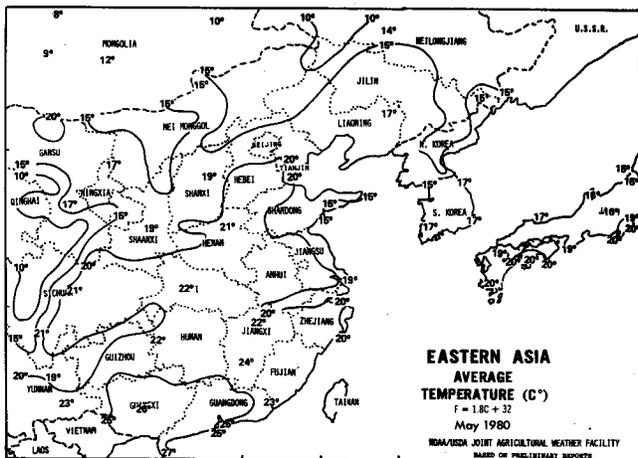
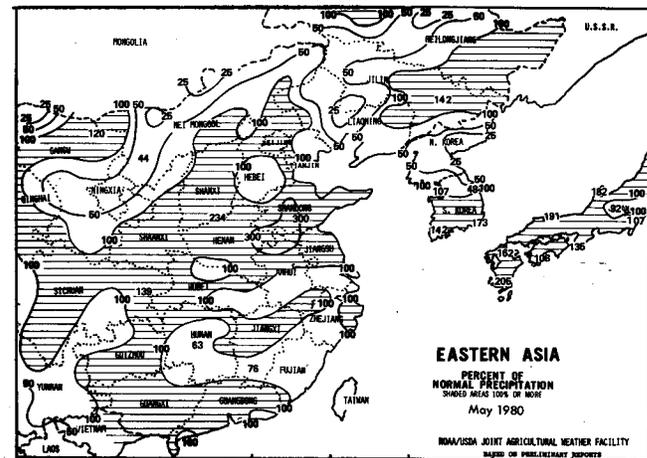
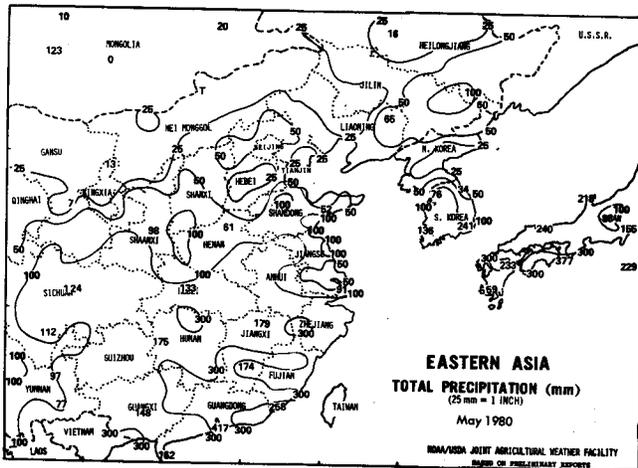
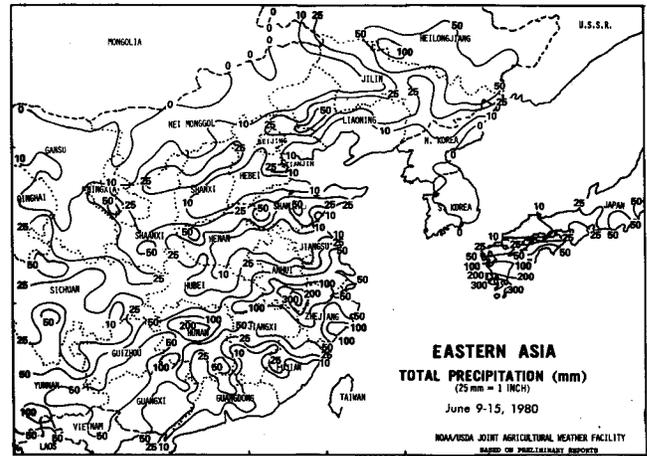




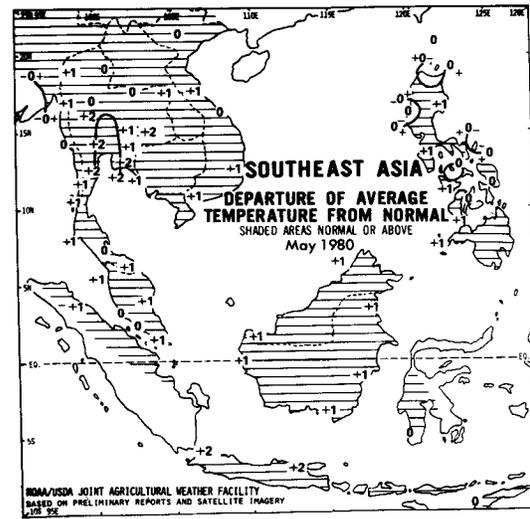
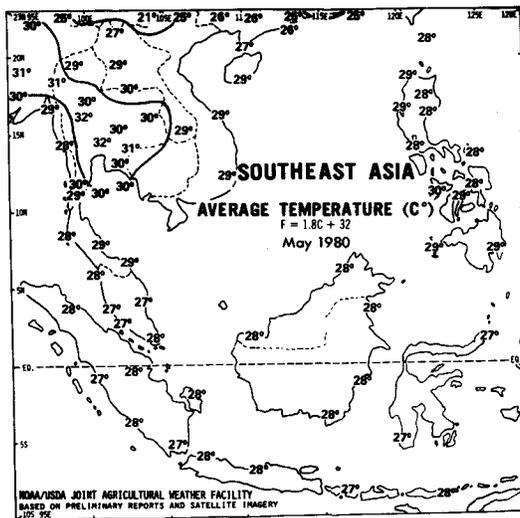
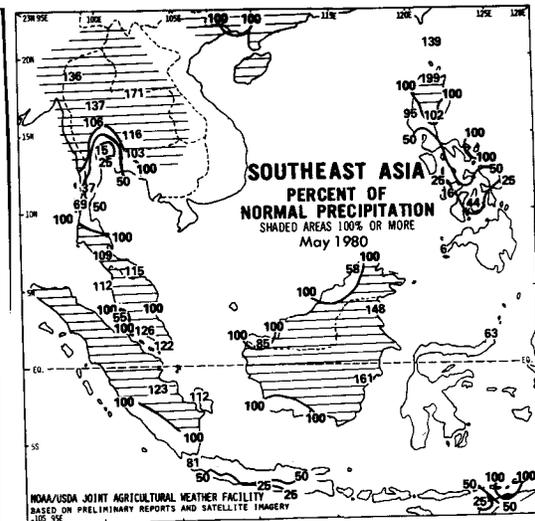
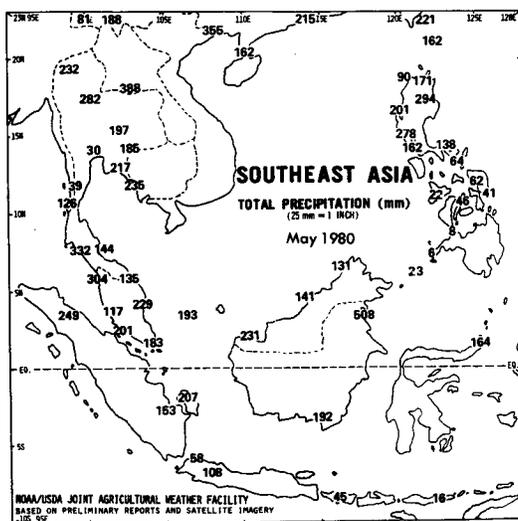
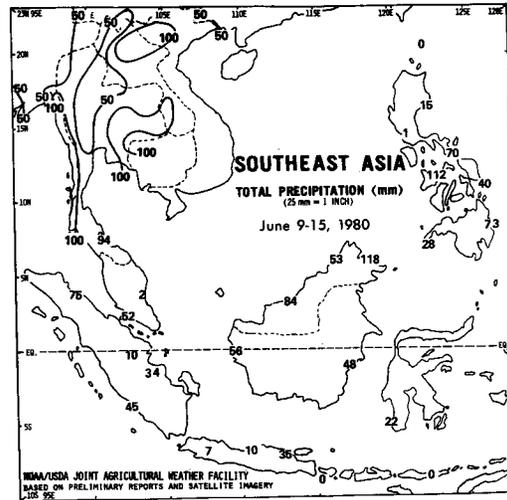
SOUTHERN ASIA. Monsoon rainfall continued over the southeastern half of India, with pre-monsoon showers spreading northwestward to the Punjab. So far the monsoon advance appears normal, and rainfall totals for the first two weeks of June remain above normal in most areas. Precipitation deficiencies during May in central India were no cause for alarm--normal May rainfall there is less than 10 mm. Planting has reportedly begun, and there is every indication that the monsoon will continue.



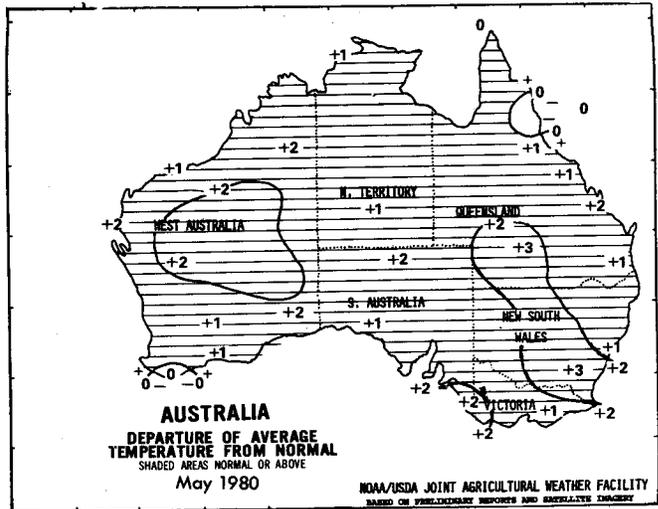
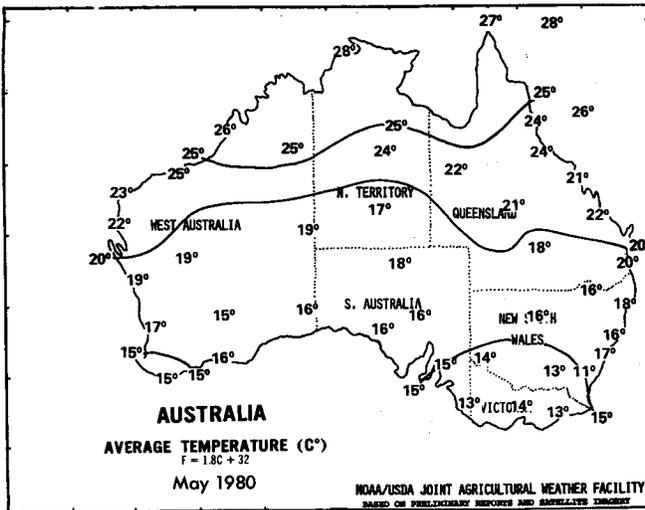
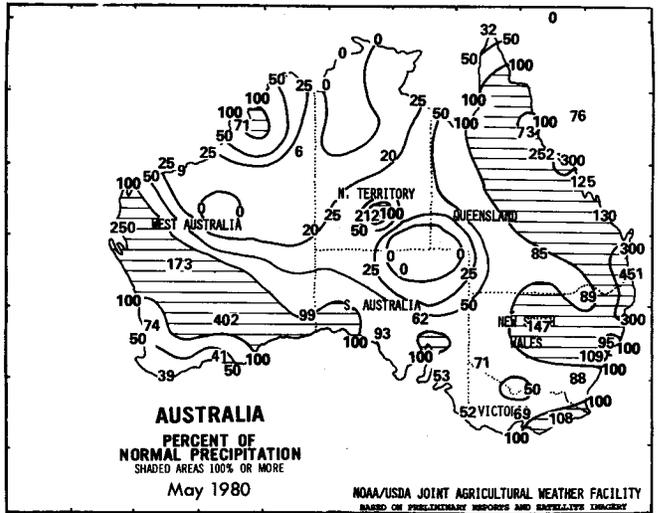
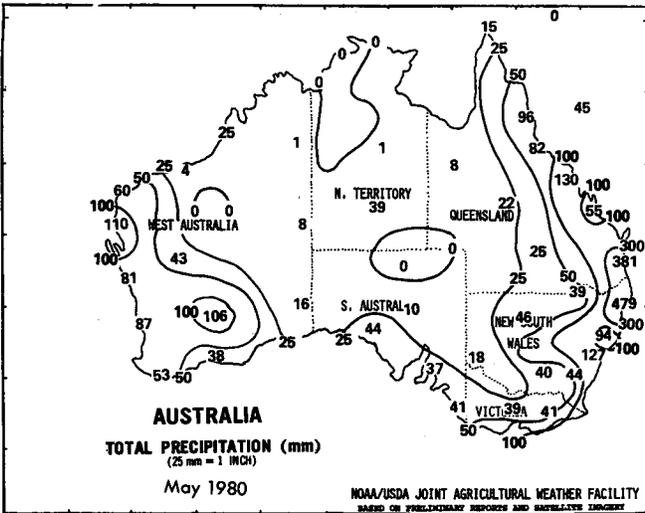
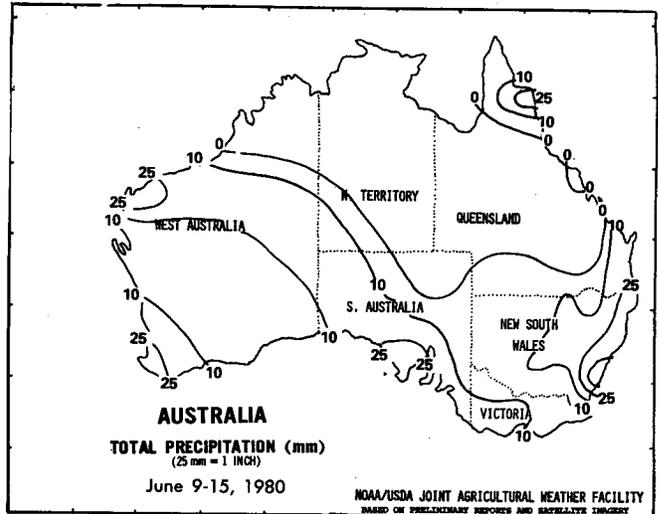
EAST ASIA. Excessive rainfall continued in southern parts of the Yangtze River Valley for the third consecutive week. A two-week break in May had brought totals back to near normal, but this new surge will cause more water control problems. Rainfall eased further in the southern coastal provinces, a condition beneficial to double-cropped rice as it neared maturity. Some winter wheat areas experienced favorable harvest weather, but conditions remained too wet over much of Shandong and northern Henan, where wet weather had persisted for much of May. Spring-planted crops to the north of Beijing benefited from much above normal rainfall. This second consecutive week of wet weather improved conditions in areas of Manchuria which had become a little too dry during May.



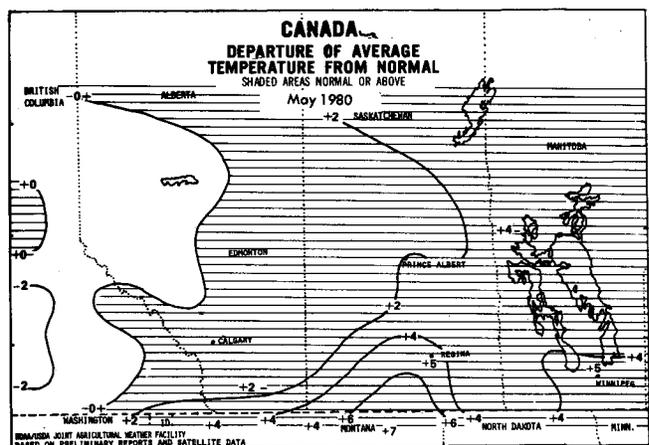
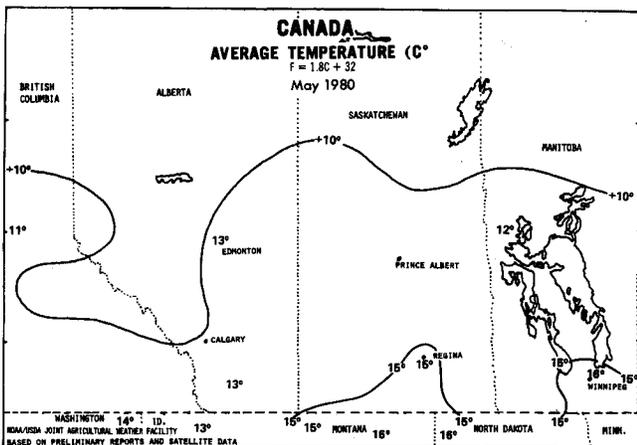
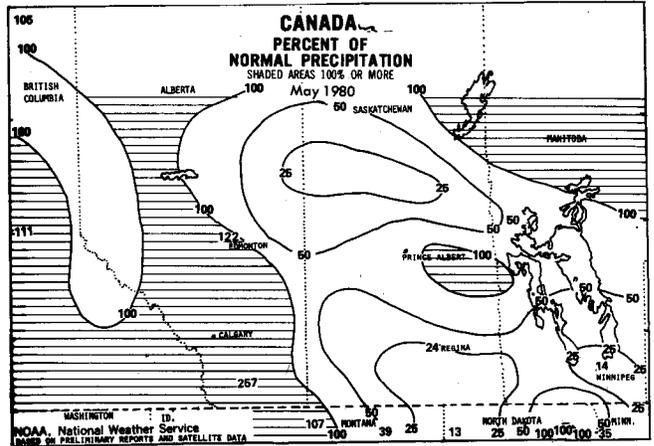
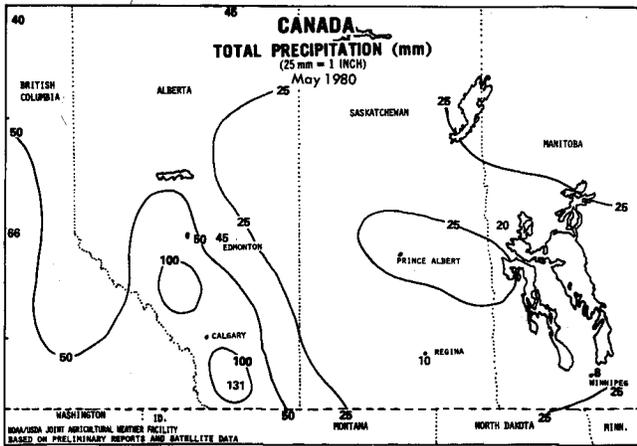
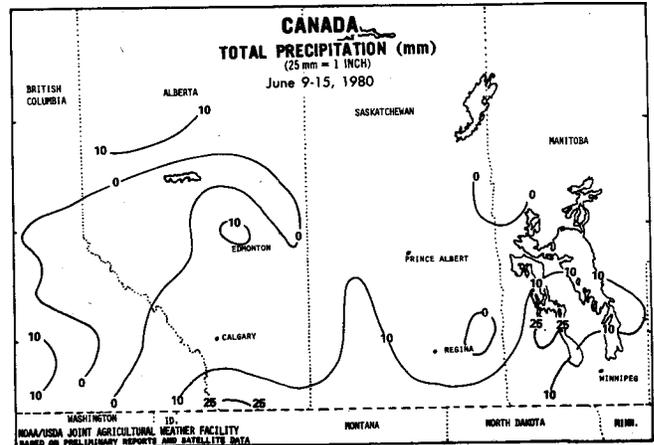
SOUTHEAST ASIA. Incomplete meteorological data supported by satellite information indicated that average rainfall amounts fell during the past week, providing sufficient moisture for the development of agricultural crops in Thailand. Rice and maize have benefited from the onset of the rainy season which began in early May. Except for the region surrounding Bangkok, monthly rainfall totals for May slightly exceeded normal throughout the country. Significant rainfall is required for the duration of the summer rainy season to fill reservoirs which had been depleted from the 1979 drought.



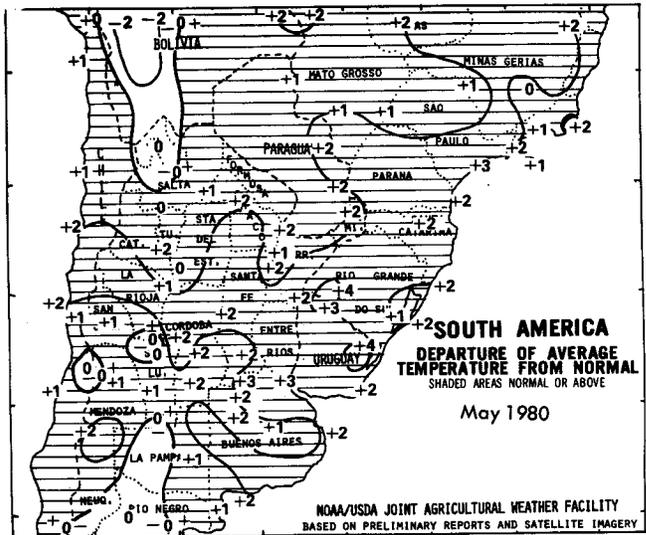
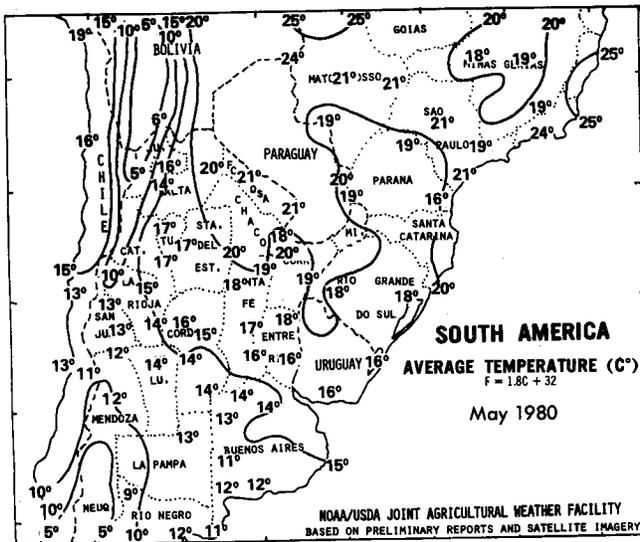
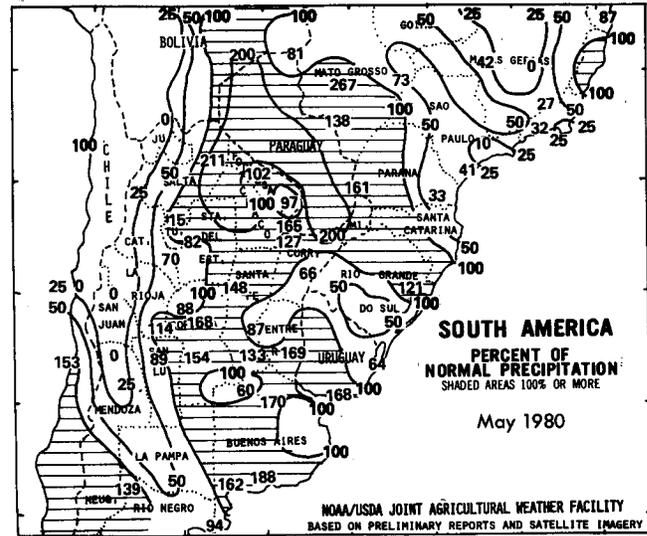
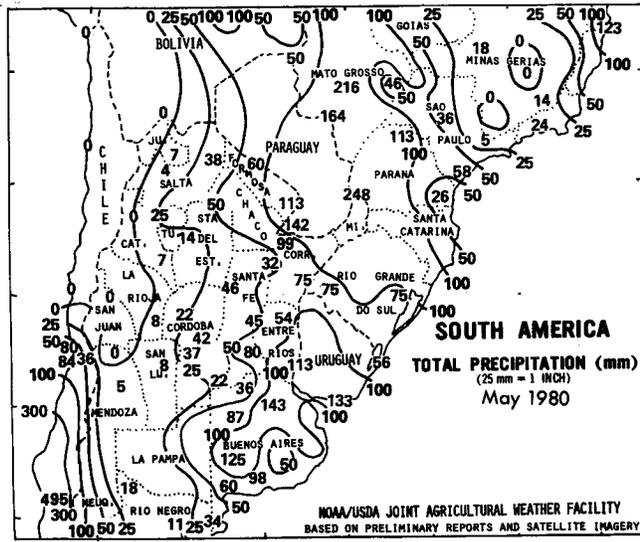
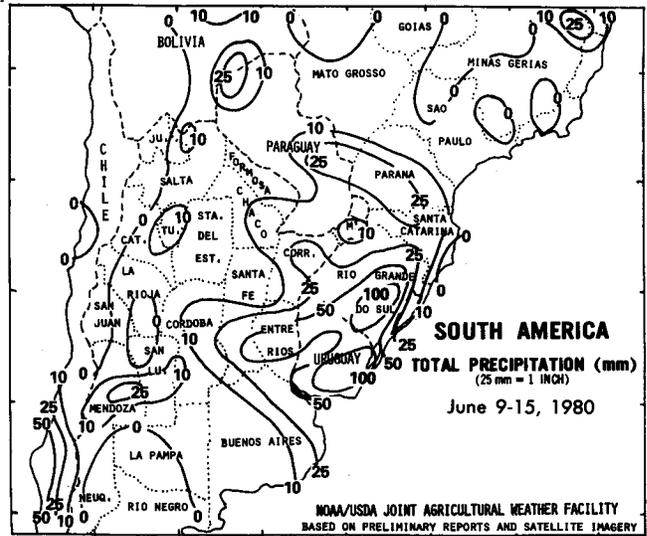
AUSTRALIA. The major crop areas received mostly light amounts of rain during this past week as another in a series of storms moved across the continent. More abundant totals in South Australia winter grain areas maintained good soil moisture, and although rainfall deficiencies developed during May in Victoria and extreme southern New South Wales, abundant rainfall in late April had adequately replenished moisture levels. Conditions remain favorable for growth and development of winter grains except in parts of West Australia and Queensland where timely rains are needed for proper germination and early vegetative growth.



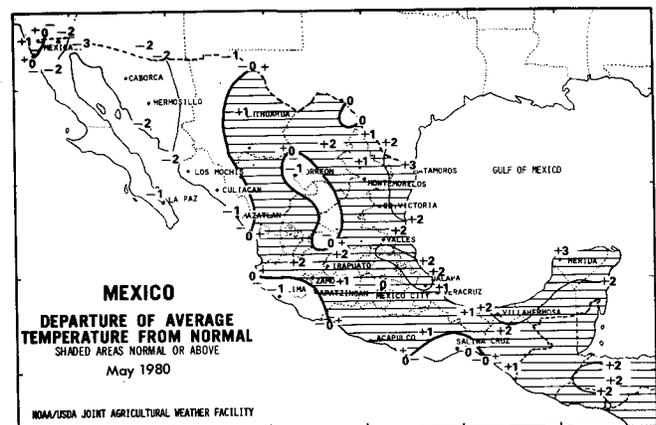
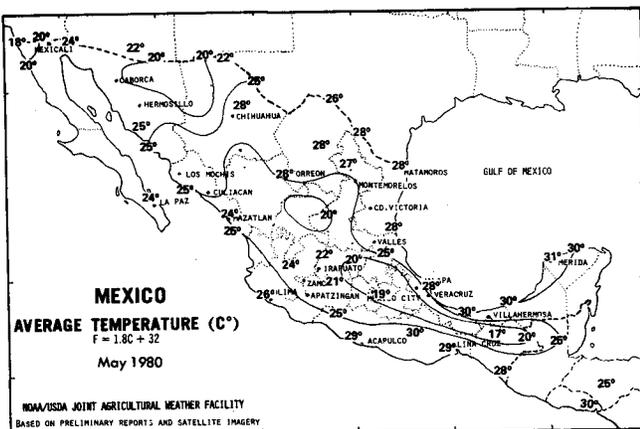
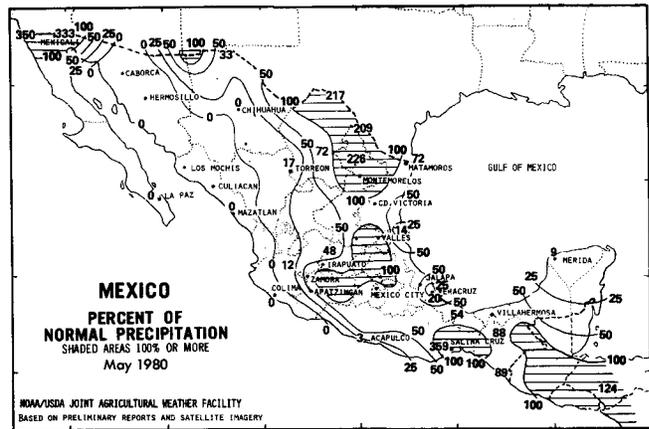
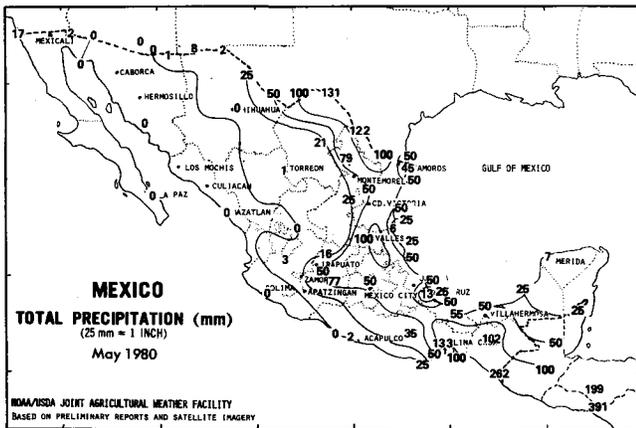
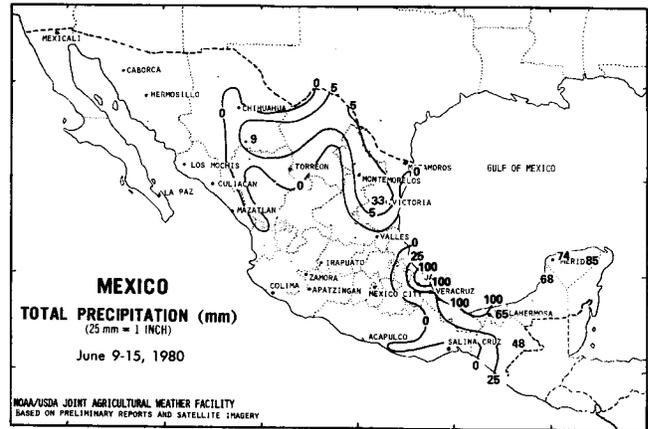
CANADA. Significant rainfall occurred only in the extreme southern portion of the Canadian grain belt during the past week. Crop moisture remains favorable in Alberta; however, conditions worsen from west to east across the Prairies. Seeded crops are beginning to show signs of deterioration in southeastern Saskatchewan due to lack of adequate moisture during May and early June. In May, crops in this area were also subjected to heat stress. More recently, cold weather has brought several episodes of frost to northern Alberta, eastern Saskatchewan and the Interlake Region of Manitoba. Some damage to rapeseed, alfalfa and fall rye, which is heading and flowering, has been reported.



SOUTH AMERICA. Dry, cool weather throughout the major crop areas was interrupted during mid-week by a fast-moving storm system which brought rainfall amounts of 25-50 mm to Rio Grande do Sul in Brazil and between 10 and 25 mm in the north-eastern portion of Buenos Aires Province in Argentina. Soil moisture is plentiful in most winter wheat areas and planting is underway. Earlier in the season heavy flooding in some areas of southern Buenos Aires Province made some land unfit for wheat production, but total area is not expected to decline.



MEXICO. Severe drought slowly intensified over the northwest during May and early June. A few showers brought slight relief to the west central mountains during the first half of June. Irrigation water supplies which dropped to about 40 percent of normal in the northwest after heavy irrigation of tomatoes and wheat could limit the yield potential of summer soybeans, rice and some cotton. Southern plateau corn and beans received generally adequate rains for germination and growth. Ample irrigation water and above normal rainfall benefited northeastern sorghum and corn during its peak water use period of May; dry weather was accelerating maturity by mid-June.



CROP PROGRESS

FOR WEEK ENDING JUNE 15, 1980

	SOYBEAN % PLANTED		
	1980	1979	AVG.
AL	78	84	92
ARA	68	56	72
GA	78	87	85
ILL	2/	95	95
IND	90	95	85
IOWA	100	100	99
KANS	75	65	55
KY	85	69	69
LA	80	84	79
MICH	82	93	90
MINN	99	97	99
MISS	78	74	72
MO	93	81	74
NEBR	95	95	2/
N C	82	74	78
OHIO	90	95	95
S C	78	83	83
TENN	80	70	72
18 STATES	89	86	85

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

	COTTON % PLANTED		
	1980	1979	AVG.
ALA	100	100	100
ARIZ	99	99	NA
ARK	100	100	100
CALF	100	100	NA
GA	2/	2/	2/
LA	100	100	100
MISS	100	100	100
MO	100	98	100
N MEX	100	100	100
N C	2/	2/	2/
OKLA	77	87	83
S C	2/	2/	2/
TENN	100	100	100
TEX	96	91	94
14 STATES	97	94	NA
EXCL. STATES WITH NA	96	93	95

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

	WINTER WHEAT % HEADED		
	1980	1979	AVG.
CALF	100	100	NA
COLO	94	85	94
IDA	45	40	40
ILL	2/	2/	2/
IND	2/	100	100
KANS	99	98	100
MO	100	98	100
MONT	50	0	30
NEBR	2/	2/	2/
OHIO	95	NA	NA
OKLA	100	100	100
OREG	94	92	NA
S DAK	96	75	83
TEX	100	100	NA
WASH	60	75	NA
15 STATES	99	NA	NA
EXCL. STATES WITH NA	99	97	98

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

	SORGHUM % PLANTED		
	1980	1979	AVG.
COLO	84	80	85
KANS	70	70	70
MO	90	77	76
NEBR	95	2/	2/
OKLA	74	70	79
S DAK	91	94	86
TEX	94	91	93
7 STATES	85	83	84

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

	RICE % EMERGED		
	1980	1979	AVG.
ARK	95	NA	NA
CALF	96	97	NA
LA	98	100	NA
MISS	96	93	100
TEX	100	100	NA
5 STATES	97	NA	NA

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

	WINTER WHEAT % HARVESTED		
	1980	1979	AVG.
CALF	14	27	NA
COLO	1/	1/	1/
IDA	0	0	0
ILL	0	0	4
IND	0	0	0
KANS	0	0	3
MO	0	5	9
MONT	0	0	0
NEBR	0	0	0
OHIO	0	0	0
OKLA	7	4	30
OREG	0	0	NA
S DAK	0	0	0
TEX	23	18	34
WASH	0	0	0
15 STATES	4	3	NA
EXCL. STATES WITH NA	4	3	10

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

	COTTON % SQUARING		
	1980	1979	AVG.
ALA	18	8	12
ARIZ	27	NA	NA
ARK	1/	0	NA
CALF	9	20	NA
GA	54	79	54
LA	4	8	NA
MISS	15	14	20
MO	0	0	0
N MEX	1/	1/	1/
N C	12	1/	NA
OKLA	0	0	0
S C	50	61	48
TENN	0	0	0
TEX	18	17	NA
14 STATES	19	NA	NA
EXCL. STATES WITH NA	22	32	22

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

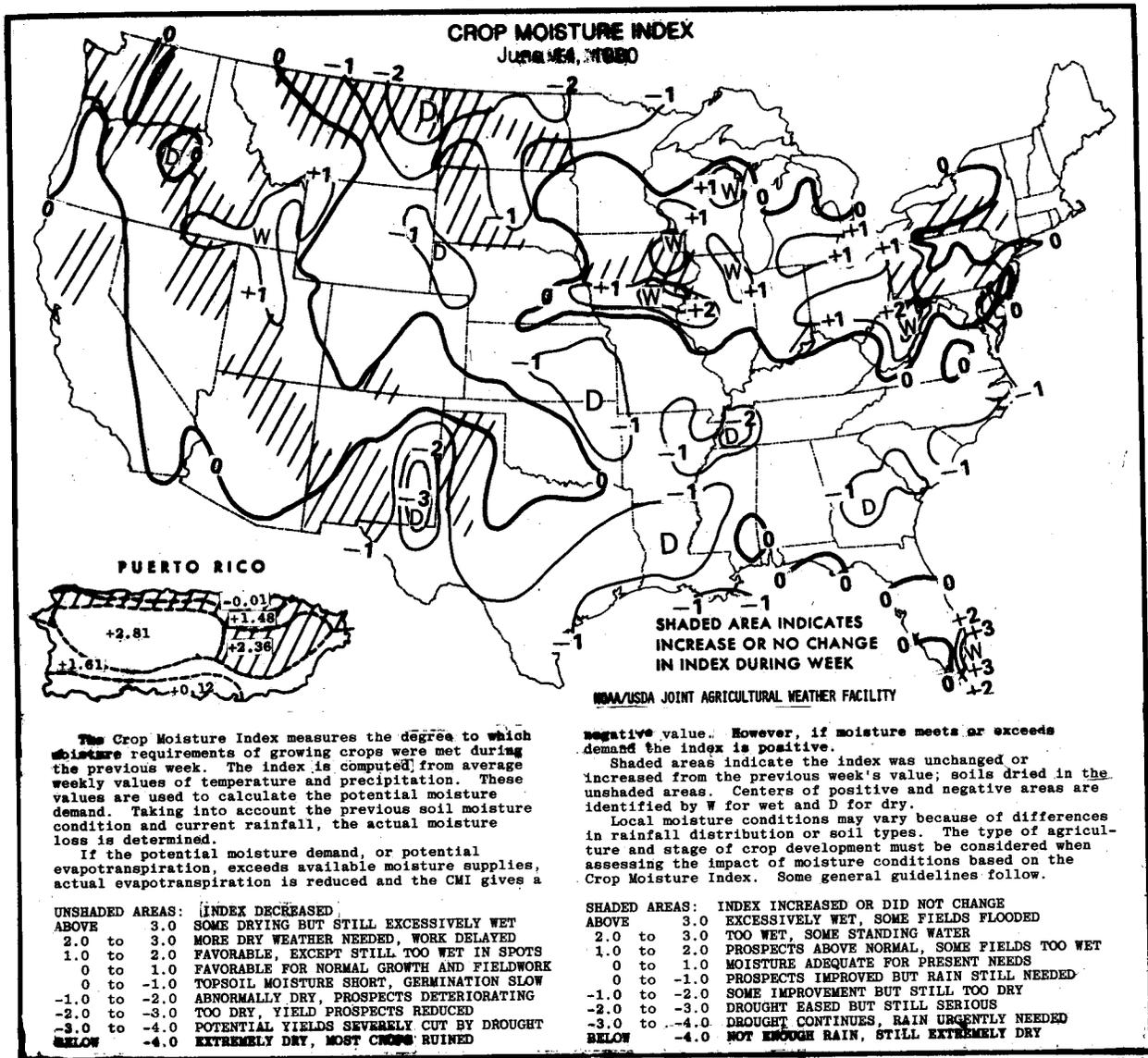
	SPRING WHEAT % EMERGED		
	1980	1979	AVG.
IDA	100	100	99
MINN	99	90	97
MONT	95	90	NA
N C	94	84	90
S DAK	100	NA	NA
5 STATES	96	NA	NA
EXCL. STATES WITH NA	96	87	92

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

	SPRING WHEAT % HEADED		
	1980	1979	AVG.
IDA	12	20	15
MINN	15	0	20
MONT	1/	1/	NA
N C	12	0	3
S DAK	45	3	19
5 STATES	25	NA	NA
EXCL. STATES WITH NA	25	1	20

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

1/ LESS THAN 5%
2/ GREATER THAN 95%
NA - NOT AVAILABLE



ADDITIONAL RAIN IN THE WESTERN PORTION OF THE DROUGHT AREA IN THE NORTHERN PLAINS HAS CONTINUED TO IMPROVE MOISTURE CONDITIONS BUT THE DROUGHT IS STILL SERIOUS. HEAVY RAIN HAS PRODUCED EXCESSIVE MOISTURE THROUGH MOST OF THE CORN BELT. SOME STANDING WATER WAS REPORTED IN PARTS OF IOWA. DRYING CONTINUES IN THE SOUTHEAST. MOISTURE SHORTAGE IN TOPSOILS HAS SLOWED GERMINATION OF SEEDS IN MOST OF SOUTHEASTERN UNITED STATES.

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