

# WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE  
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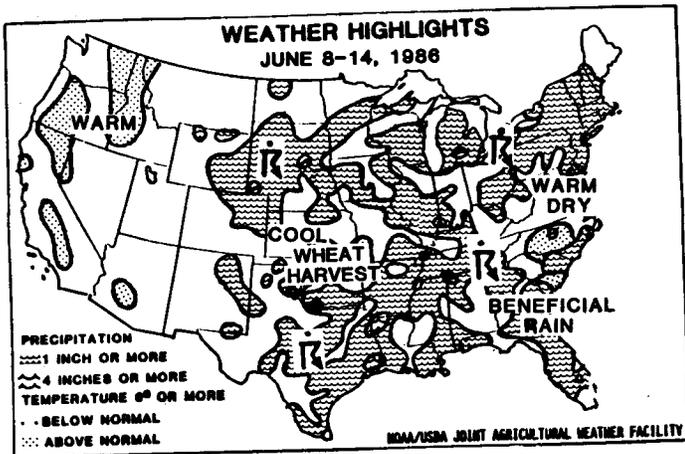
Washington, D.C.

June 17, 1986

## National Weather Summary

June 8 to 14, 1986

NOTE: The dates on last week's NATIONAL WEATHER SUMMARY should have been June 1 to 7, 1986.



southern New Jersey through North Carolina missed the widespread storms.

WEDNESDAY...The area of widespread showers and thunderstorms moved to east of a line from eastern Texas to Wisconsin and upper Michigan. Severe weather included heavy rain along a line from upper Michigan to New Jersey. Showers were again isolated from central Georgia through North Carolina. Cool weather spread through the northern Plains and across the Canadian border.

THURSDAY...A cold front moved through the Northeast and spread showers and thunderstorms through the Great Lakes region and New England. Showers were isolated south of Maryland but were more widespread along the eastern gulf coast, Florida, and the southeastern coast. Scattered showers fell in southern Texas and from the central Plateau into South Dakota and Nebraska.

FRIDAY...Scattered showers fell in the Northeast, Florida, along the southeastern coast, and the western gulf coast. More widespread but generally light showers and thunderstorms covered the central and southern Rockies and much of the northern Plains.

SATURDAY...Showers and thunderstorms were widespread from southwestern Oklahoma to the lower Great Lakes and eastward through Pennsylvania. Thunderstorms continued through Florida, the southeastern coast, and all along the gulf coast. A new storm spread rain and showers through the Northwest to the northern and central Rockies and the northern Plains.

**HIGHLIGHTS:** Thunderstorms were widespread from the Rocky Mountains through the east coast. Parts of the mid-Atlantic States, from western Maryland through most of Virginia into North Carolina, saw only isolated showers. Severe weather included moderate to heavy rain in much of the very dry parts of the Southeast. Moderate to heavy showers caused local flooding in part of the northern High Plains in western South Dakota and Nebraska. Heavy showers also fell in the upper Ohio Valley, the Great Lakes region, and from northern Pennsylvania into western New York. Temperatures were warmer than normal in most areas, but it was cooler in the central and southern High Plains

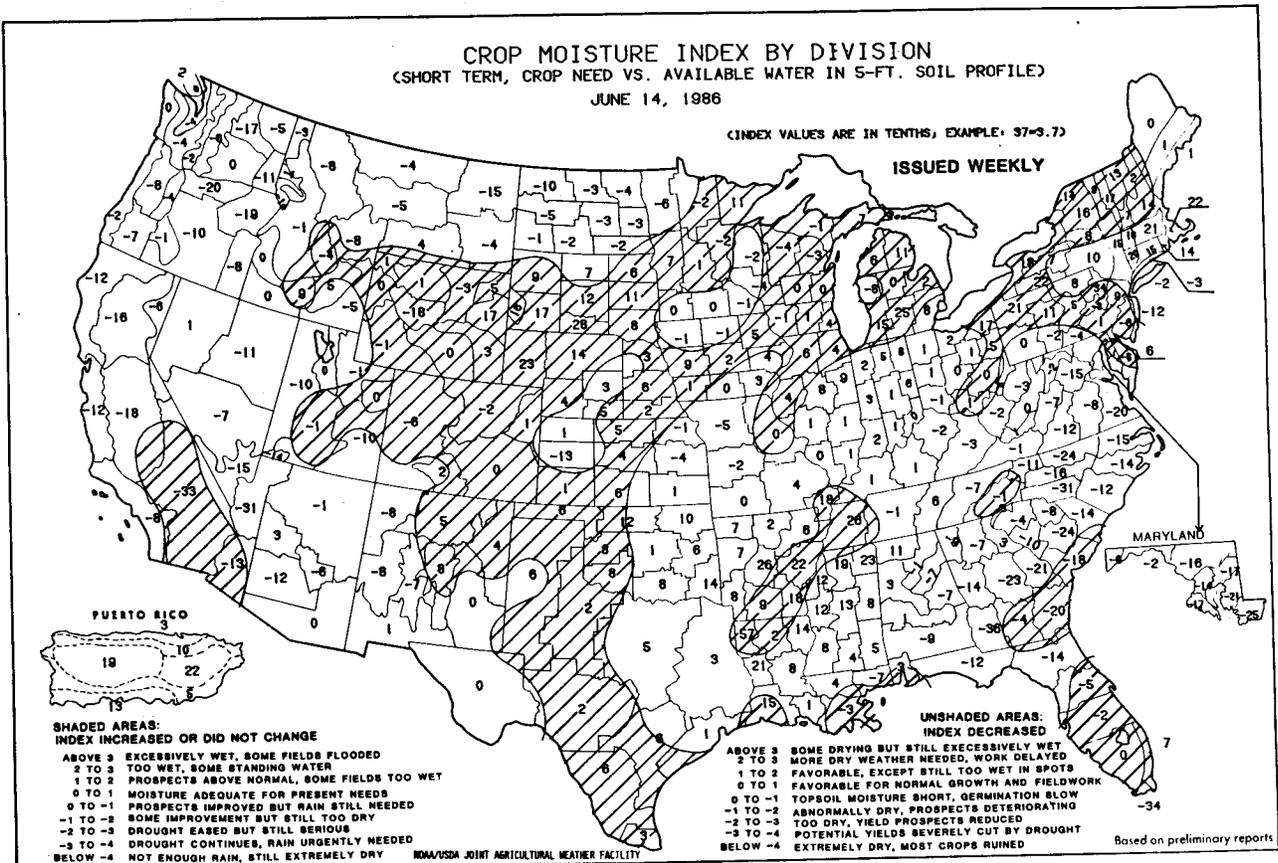
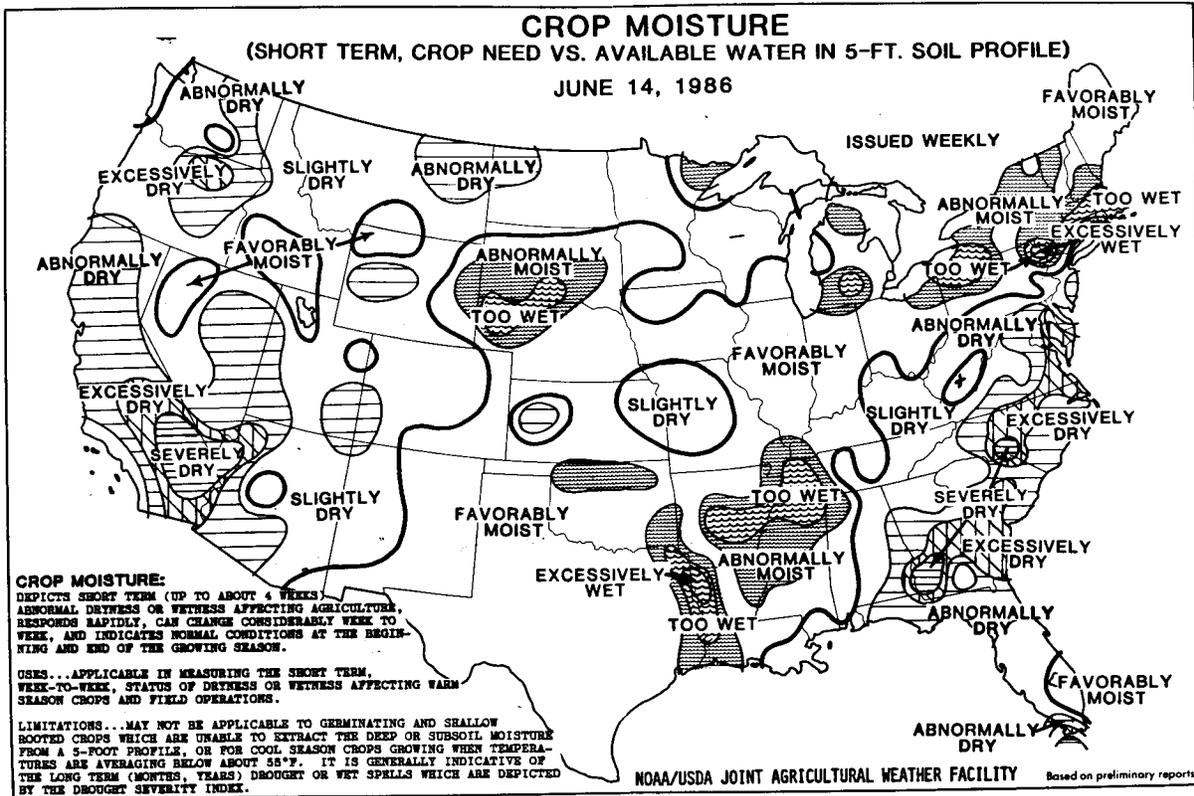
**SUNDAY...**A large cluster of thunderstorms dumped heavy rain in eastern Texas and western Louisiana and Arkansas. Thunderstorms were scattered throughout the Rockies and High Plains, across the South, and through the East Coast States. Cool weather covered the Northwest, the Rockies, northern Great Plains, and the Great Lakes region.

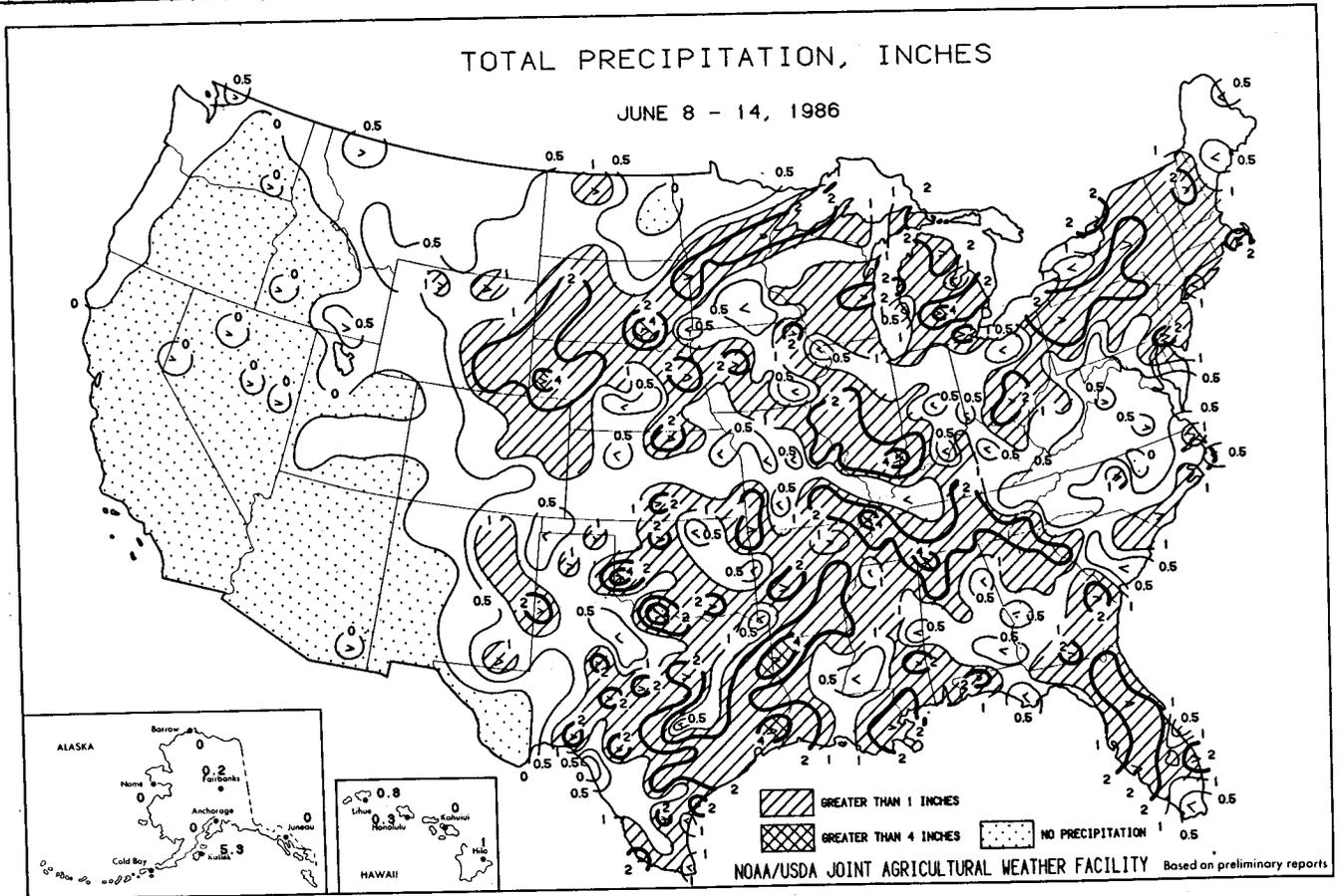
**MONDAY...**Thunder continued to roll as storms covered the central Rockies, the central and northern Plains, the Mississippi Valley, and the Southeast. Heavy rain fell from northeastern Colorado and southwestern Wyoming through Nebraska and southern South Dakota. Some moderate rain fell in the very dry parts of Georgia. Cooler weather spilled onto the northern High Plains, but warming occurred in the eastern Great Plains.

**TUESDAY...**Warm, moist air from the Gulf of Mexico spawned thunderstorms through most of the area east of the Rockies. Heavy rain deluged the upper Mississippi Valley and western Great Lakes and isolated points in the rest of the area. Only the coastal areas of the mid-Atlantic States from

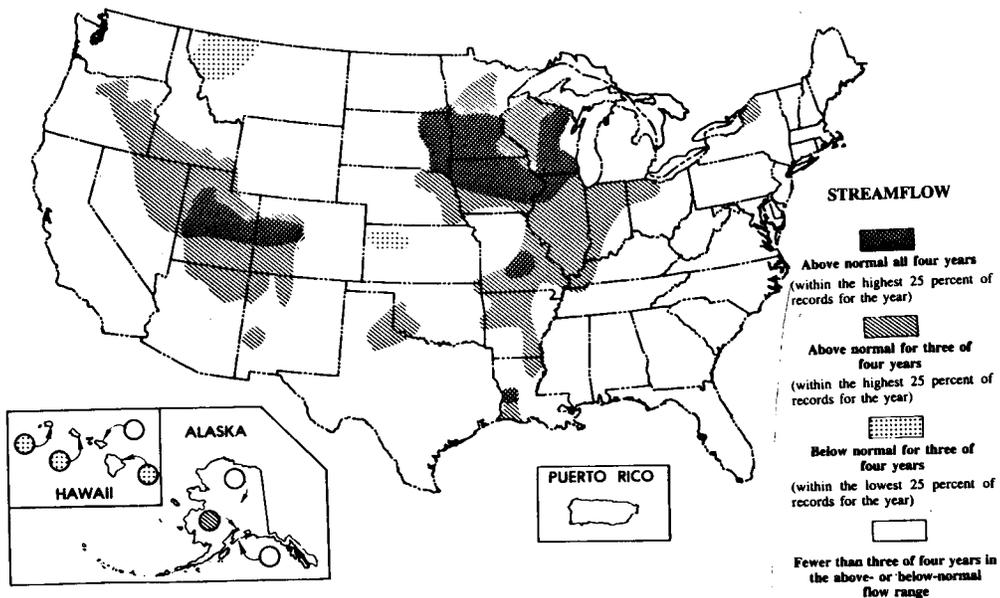
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### COMPOSITE STREAMFLOW FOR CALENDAR YEARS 1982 THROUGH 1985

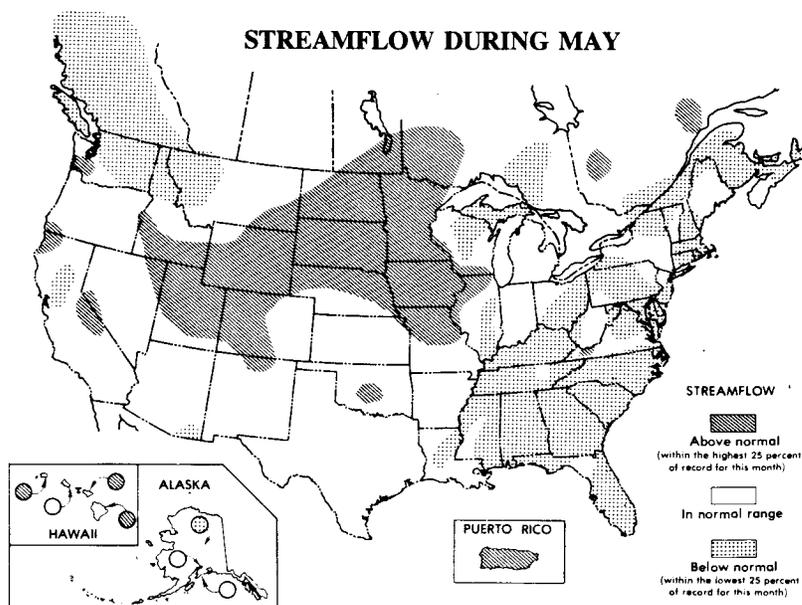


# National Water Conditions

UNITED STATES  
Department of the Interior  
Geological Survey

CANADA  
Department of the Environment  
Water Resources Branch

MAY 1986



## MAY STREAMFLOWS AT RECORD LOWS IN SOUTHEAST; RECORD HIGHS IN MIDWEST

Streamflows during May showed marked contrasts between the southeastern States where streams from North Carolina to Florida set new record-low flows, and the Midwest where streams in Minnesota and Iowa were at record-high flows, according to the U.S. Geological Survey.

USGS hydrologists said 43 percent (75 stations) of the index streamflow-gaging stations across the country, most in the East and Southeast, reported May flows that were well below average. The remainder of the 173 stations monitored each month showed 35 percent (60 stations) with average flows and 22 percent (38 stations) reporting well-above-average flows, most in the Midwest and Great Plains States.

As an indication of general streamflow conditions across the country, combined flow of the

Nation's three largest rivers (Mississippi, St. Lawrence, and Columbia) averaged 800 billion gallons per day, 20 percent below average for May, but 1 percent above the flow in April. These three large rivers together drain more than half of the conterminous United States and serve as a useful check on the Nation's surface-water resources.

In the Southeast, seven streams set new record-low flows for the month. In contrast, five streams in Minnesota and one in Iowa all set record-high flows for May.

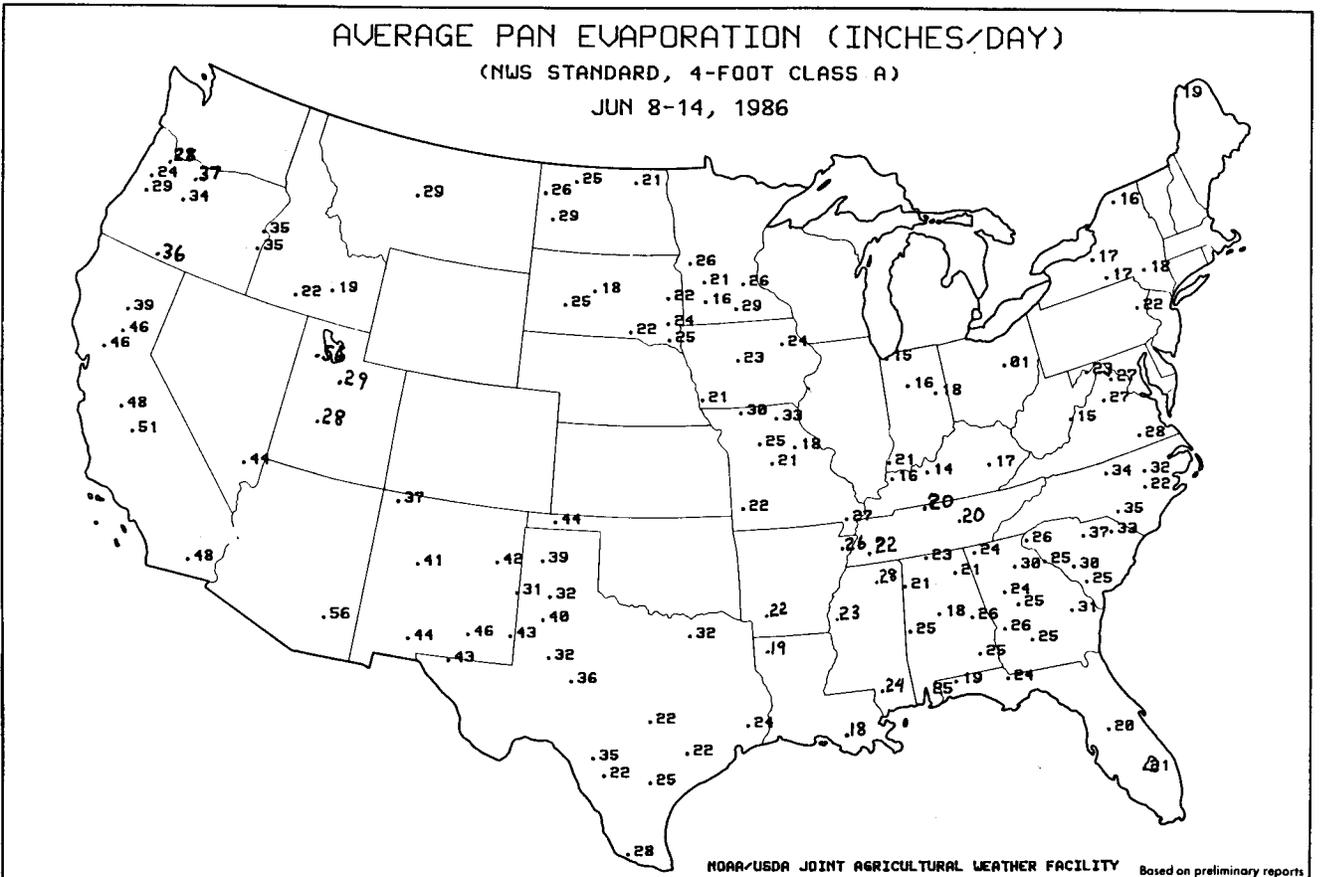
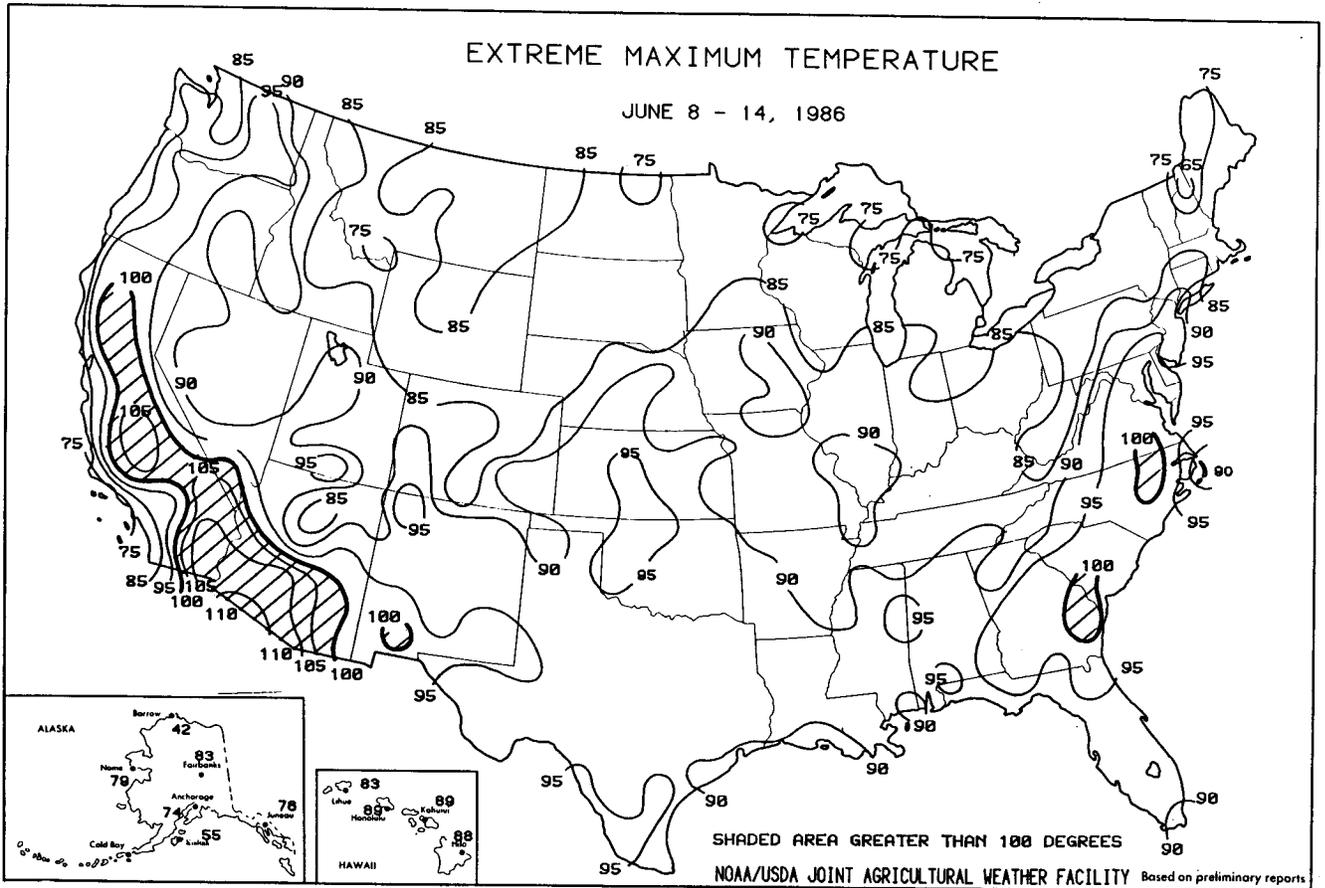
Of 97 key index reservoirs across the country, 45 percent were at average usable capacity for May, 29 percent were below average, and 26 percent were above the average level for May.

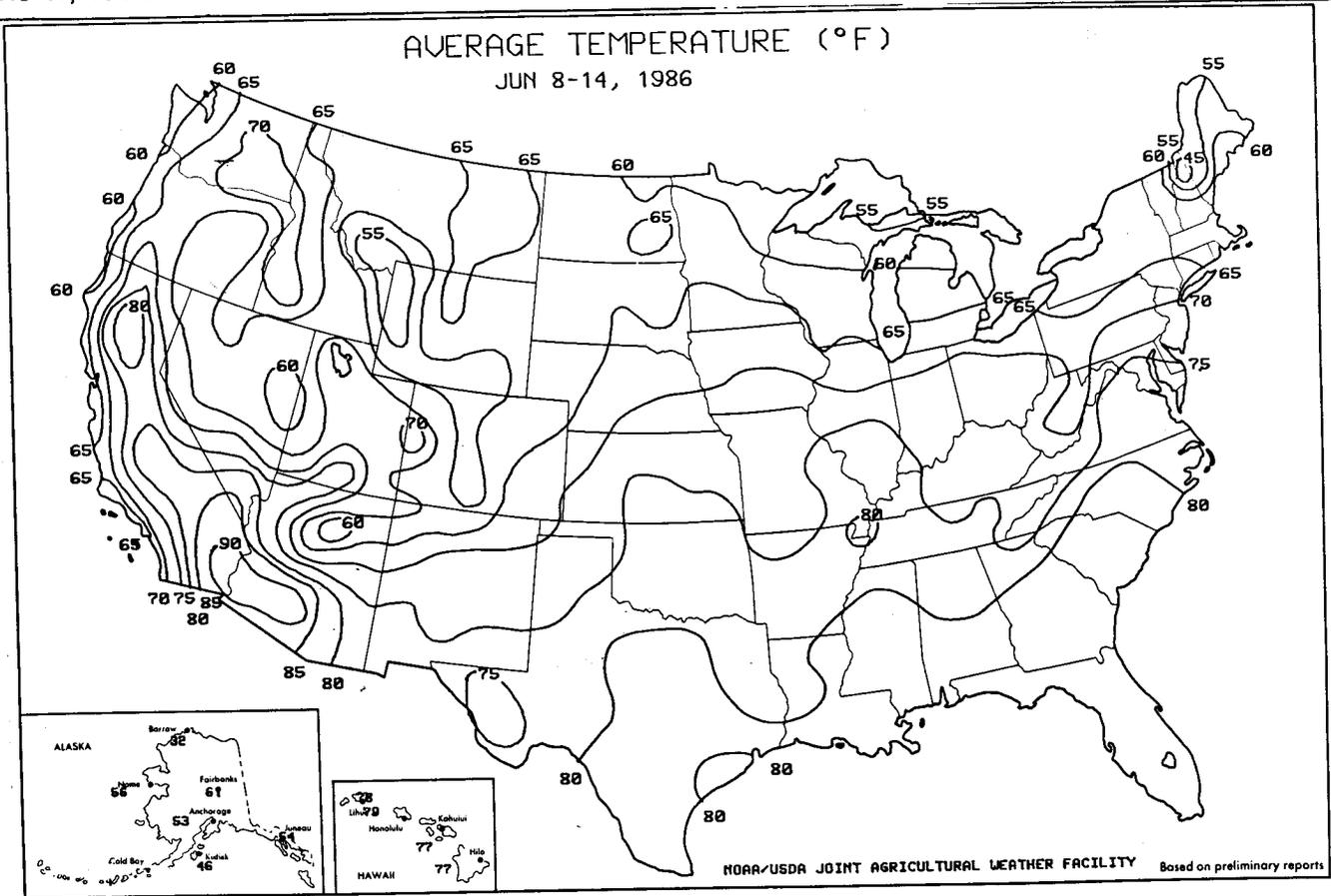
As the Nation's largest water-science and water-information Agency, the USGS routinely monitors the quantity and quality of surface and ground water at 50,000 sites across the country.

WATER LEVELS IN KEY OBSERVATION WELLS IN SOME  
AQUIFERS IN THE SOUTHEASTERN UNITED STATES, MAY 1986

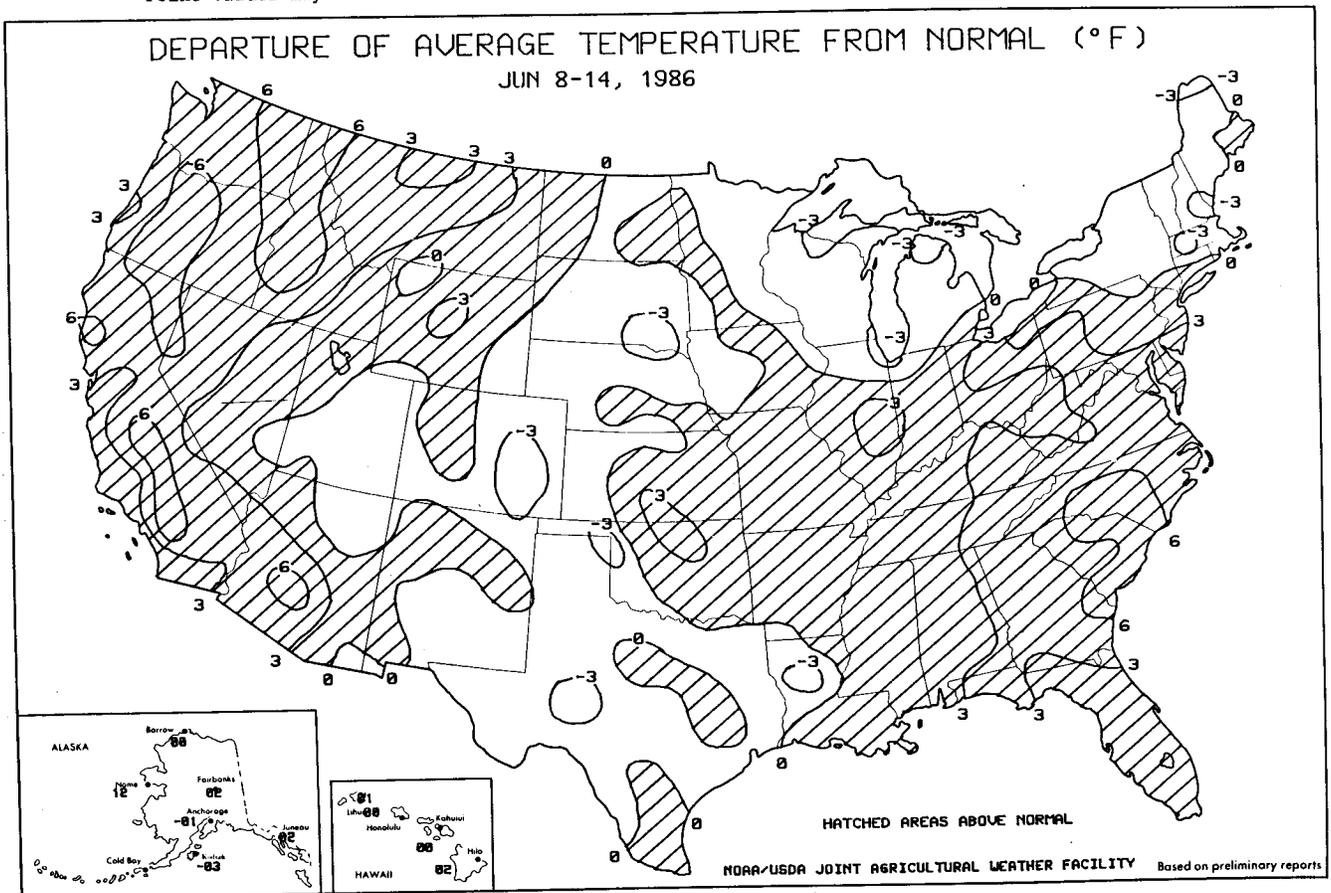
Aquifer and Location	Water level in feet below land-surface	Departure from average in feet	Net change in water level in feet since: Last mo. Last yr.		Year records began	Remarks
Colonial Heights, Virginia	-15.09	-0.25	-0.45	+1.23	1939	
Louisville, Kentucky	-17.50	+7.42	-0.02	-1.03	1941	
Memphis, Tennessee	-104.73	-15.91	-0.06	-1.07	1946	May low
Chapel Hill, North Carolina	-42.29	-1.11	-0.32	-1.84	1931	
Pine Bluff, Arkansas	-219.15	-12.51	-1.05	+3.35	1958	
Montgomery, Alabama	-25.0	-4.60	-0.20	-3.20	1952	
Savannah, Georgia	-35.18	+8.84	-2.09	+0.94	1956	All-time low

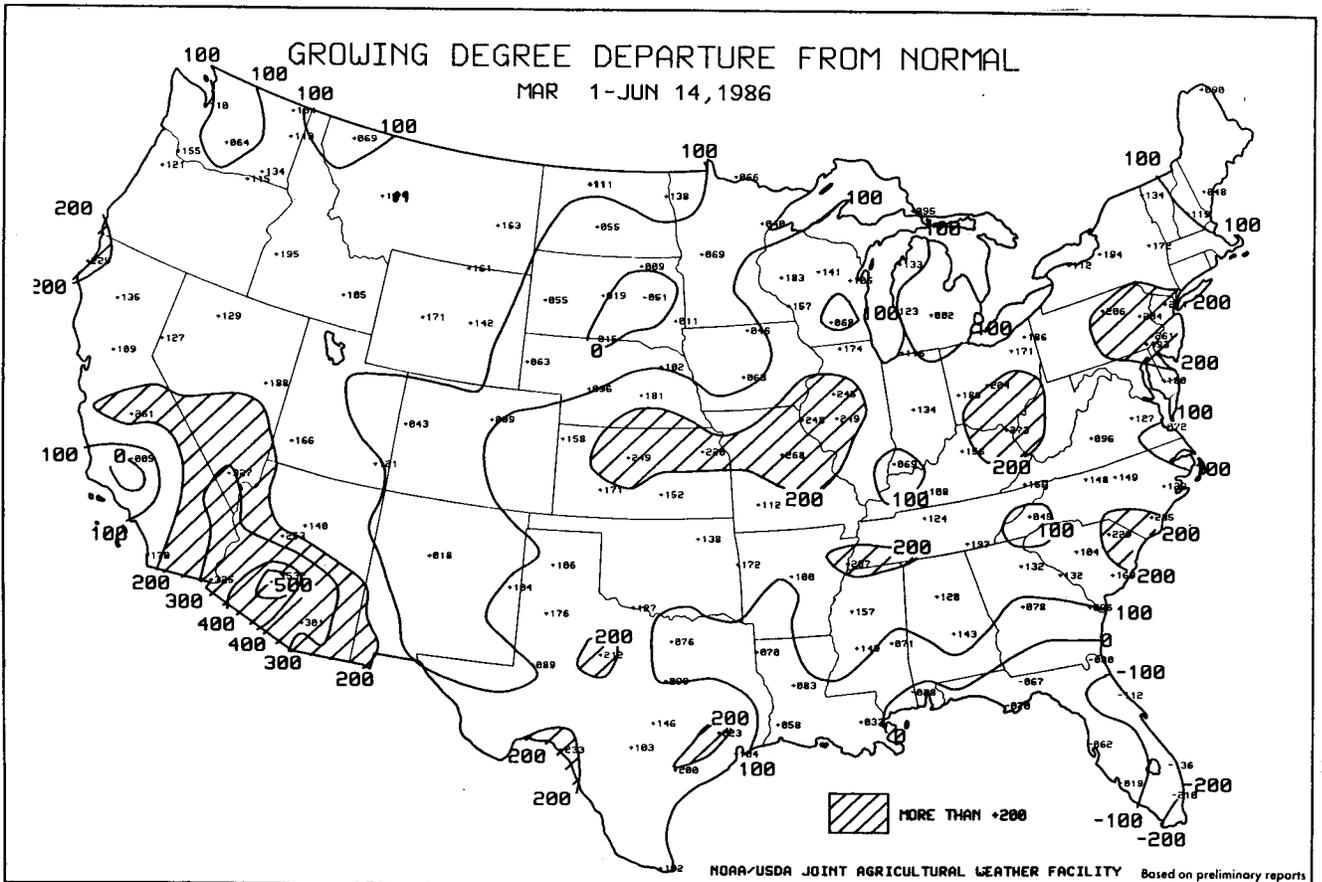
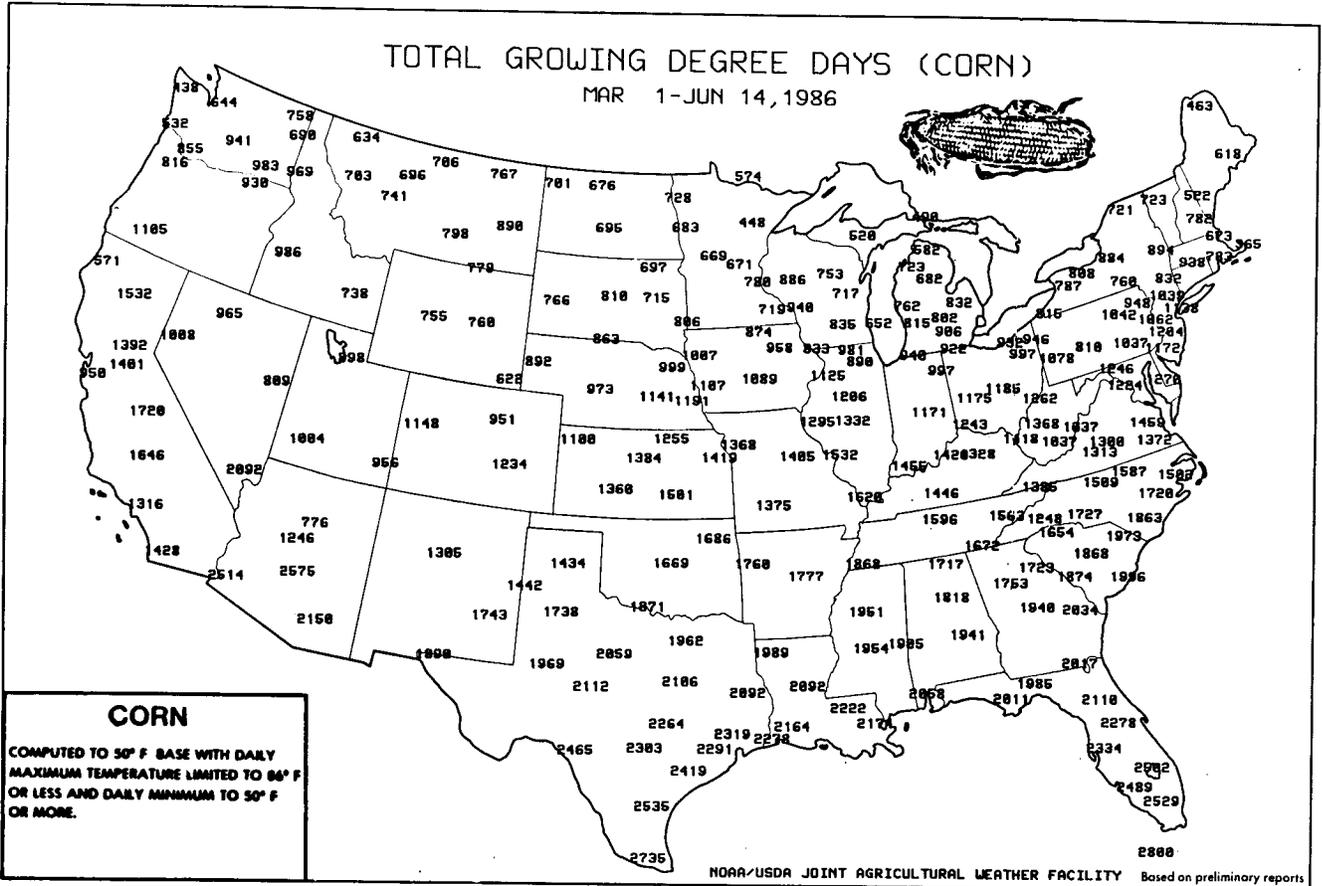
In the southeastern States, ground-water levels showed mixed trends in West Virginia, Kentucky, Arkansas, and Louisiana. Water levels declined in Virginia and North Carolina and in most wells in Mississippi and Georgia. Water levels varied in West Virginia, Louisiana, and Florida but were below average in Kentucky, Virginia, North Carolina, Arkansas, and Mississippi. New low ground-water levels for May were reached in Tennessee, Mississippi, and Georgia, and the water level in the key well in the Savannah area in the Georgia Coastal Plain declined to a new all-time low in 30 years of record.





Point values may differ on these computerized maps from the reported values in the tables.







# National Weather Data for Selected Cities

Weather Data for the Week Ending June 14, 1986

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 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	88	68	91	63	78	2	.9	-.1	.7	1.4	85	10.8	39	98	50	1	0	2	1
MOBILE	89	72	92	67	81	1	2.0	-.9	1.4	2.4	110	20.1	69	98	57	1	5	4	1
MONTGOMERY	89	72	93	64	80	2	.8	-.1	.8	.8	55	22.5	92	95	53	0	0	1	1
AK ANCHORAGE	63	44	74	38	53	0	0	0	0	0	28	3.5	88	77	36	0	0	0	0
BARROW	35	28	42	26	32	-1	T	T	T	T	0	.5	45	98	82	0	7	0	0
FAIRBANKS	71	52	83	47	61	3	.2	-.1	.1	.7	128	2.0	74	78	29	0	0	3	0
JUNEAU	62	45	76	38	54	1	.6	-.1	.4	1.1	83	23.4	126	93	41	0	0	3	0
KODIAK	50	42	55	40	46	-3	5.3	4.4	2.1	8.1	415	34.0	102	97	75	0	0	5	4
NOME	66	46	79	38	56	12	T	T	T	T	26	1.8	51	74	38	0	0	0	0
AZ PHOENIX	105	77	110	74	91	6	0	0	0	0	0	2.9	112	24	7	7	7	0	0
PRESCOTT	86	52	91	48	69	4	0	0	0	0	0	4.3	70	42	13	3	0	0	0
TUCSON	102	67	107	64	85	3	0	0	0	0	0	3.9	150	29	10	7	7	0	0
YUMA	106	74	111	71	90	4	0	0	0	0	0	0	50	50	13	7	7	0	0
AR FORT SMITH	90	67	93	60	78	2	.1	-.8	.1	1.8	99	19.6	103	96	48	6	0	0	3
LITTLE ROCK	85	70	89	67	78	1	1.2	-.5	.9	4.6	280	21.6	90	86	62	0	0	4	0
CA BAKERSFIELD	95	64	105	58	79	2	0	0	0	0	0	4.3	110	57	21	6	0	0	0
EUREKA	66	52	78	48	59	4	.1	-.1	.1	.1	25	27.2	123	93	73	0	0	1	0
FRESNO	98	64	106	60	81	7	0	0	0	0	0	9.7	137	64	18	7	0	0	0
LOS ANGELES	72	59	79	58	65	0	0	0	0	0	0	12.9	154	93	64	0	0	0	0
RED BLUFF	94	64	103	58	79	5	0	0	0	0	0	21.9	171	57	22	6	0	0	0
SACRAMENTO	88	57	100	54	73	2	0	0	0	0	0	16.3	152	83	31	3	0	0	0
SAN DIEGO	71	62	72	61	66	1	0	0	0	0	0	7.6	123	87	67	0	0	0	0
SAN FRANCISCO	75	54	91	50	65	4	0	0	0	0	0	18.6	150	89	49	1	0	0	0
CO DENVER	77	51	87	45	64	-1	.6	-.3	-.4	.8	100	6.0	80	79	29	0	0	4	0
GRAND JUNCTION	84	56	92	47	70	-1	T	T	T	T	11	2.5	68	54	21	2	0	1	0
PUEBLO	87	50	93	43	67	-3	T	T	T	T	7	138	2.8	67	89	24	3	0	2
CT BRIDGEPORT	76	57	80	51	67	0	1.2	-.6	.8	2.3	170	12.6	68	92	63	0	0	4	1
HARTFORD	77	53	87	47	65	-3	1.0	-.2	.9	6.5	405	21.4	108	92	53	0	0	3	1
DC WASHINGTON	90	67	95	61	78	5	.5	-.3	-.4	.5	29	9.8	58	86	42	3	0	2	0
FL APALACHICOLA	91	75	94	70	83	3	.1	-.1	.1	.4	16.2	84	92	62	7	0	0	1	0
DAYTONA BEACH	90	72	91	70	81	2	1.2	-.1	.5	1.9	67	13.6	80	99	61	4	0	4	0
JACKSONVILLE	94	72	97	69	83	4	.6	-.6	-.4	1.3	53	18.8	90	97	51	7	0	4	1
KEY WEST	89	79	90	74	84	1	.6	-.6	-.6	1.3	56	7.5	63	86	66	2	2	1	1
MIAMI	89	74	91	74	82	1	1.0	-.3	1.0	3.6	81	29.8	149	94	60	5	0	6	2
ORLANDO	91	73	94	71	82	1	3.5	1.8	1.7	5.4	172	18.4	106	96	57	5	0	2	2
TALLAHASSEE	93	69	96	68	81	2	1.4	-.1	.9	2.0	73	18.5	68	100	52	6	0	5	2
TAMPA	90	74	93	71	82	2	1.0	-.2	.6	1.1	48	12.5	78	93	60	5	0	3	1
WEST PALM BEACH	90	72	94	70	81	1	2.9	1.0	1.7	3.4	91	18.6	89	98	57	3	0	3	1
GA ATLANTA	90	69	94	66	80	4	1.4	-.7	1.4	1.4	93	12.4	49	95	45	4	0	1	0
AUGUSTA	94	70	98	63	82	5	.5	-.4	-.4	.9	52	12.0	55	96	44	7	0	2	1
MACON	93	70	95	64	82	3	1.0	-.1	.9	1.0	58	12.2	53	98	47	7	0	2	1
SAVANNAH	96	73	102	71	85	6	1.8	-.6	1.5	2.0	82	14.6	72	96	45	7	0	4	1
HI HILO	86	67	88	65	77	2	1.0	-.4	.6	2.4	82	76.3	123	89	55	0	0	3	1
HONOLULU	87	72	89	69	79	0	.3	-.1	.2	.3	84	3.1	24	87	52	0	0	3	0
KAHULUI	87	68	89	66	77	0	0	0	0	0	14	10.0	81	85	51	0	0	0	0
LIHUE	83	74	83	72	78	1	.8	-.4	.8	.9	102	8.3	38	86	67	0	0	1	0
ID BOISE	88	55	94	48	72	7	T	T	T	T	66	9.7	145	63	18	4	0	0	1
LEMISTON	85	56	95	49	71	6	T	T	T	T	0	5.4	83	63	22	3	0	0	0
POCATELLO	78	47	88	40	63	2	.1	-.2	0	.3	55	9.3	158	86	31	0	0	4	0
IL CHICAGO	75	55	85	49	65	-3	1.2	-.2	.8	2.0	107	11.4	80	96	56	0	0	4	1
MOLINE	79	60	88	55	70	0	1.1	-.1	1.0	2.1	108	15.1	95	92	54	0	0	4	1
PEORIA	80	62	88	55	71	1	2.1	1.2	1.7	4.8	266	12.0	78	99	67	0	0	4	1
QUINCY	83	64	88	59	73	2	2.7	1.8	1.7	4.0	214	14.1	88	96	59	0	0	4	2
ROCKFORD	78	58	85	53	68	0	1.3	-.3	.8	1.4	68	12.3	81	91	53	0	0	3	1
SPRINGFIELD	83	64	89	57	74	1	2.0	1.2	1.1	4.7	283	12.1	78	96	58	0	0	3	2
IN EVANSVILLE	84	68	90	62	76	2	2.9	2.1	2.8	3.8	226	18.6	90	95	65	1	0	2	1
FORT WAYNE	79	61	83	59	70	1	1.1	-.3	.8	3.2	188	15.8	101	95	66	0	0	4	0
INDIANAPOLIS	81	65	87	61	73	2	.4	-.5	-.4	1.9	107	21.0	117	93	64	0	0	2	0
SOUTH BEND	77	58	86	54	67	-1	1.8	-.9	1.4	3.0	175	14.2	88	97	56	0	0	4	1
IA DES MOINES	79	62	89	58	70	0	.7	-.3	-.4	2.1	101	16.9	124	86	46	0	0	2	0
SIOUX CITY	79	58	87	51	69	-1	1.9	-.9	1.0	2.8	147	15.6	143	97	54	0	0	4	2
WATERLOO	79	58	88	51	69	1	1.6	-.6	1.2	4.4	225	17.8	130	90	48	0	0	3	1
KS CONCORDIA	83	59	89	55	71	-1	3.1	2.1	1.8	4.7	226	14.9	128	96	46	0	0	4	3
DODGE CITY	85	60	94	57	73	-1	.8	-.1	.7	3.7	261	7.8	87	88	36	2	0	2	1
GOODLAND	81	54	90	50	67	-2	1.7	1.1	.7	2.7	199	8.5	118	93	44	1	0	4	2
TOPEKA	86	62	91	54	74	1	.1	-.1	.1	.5	20	14.1	104	92	47	2	0	2	0
WICHITA	88	65	94	58	77	2	2.0	1.0	.7	2.9	146	10.2	87	88	40	2	0	3	3
KY BOWLING GREEN	83	66	86	56	75	1	.4	-.6	.3	1.8	88	16.2	66	88	60	0	0	2	0
LEXINGTON	82	65	86	55	74	2	.4	-.6	.3	1.0	53	11.3	52	94	59	0	0	2	0
LOUISVILLE	84	67	89	59	76	3	.2	-.6	.2	2.0	120	14.9	70	96	58	0	0	2	0
LA ALEXANDRIA	85	70	90	65	77	-3	1.0	-.1	.5	3.4	176	14.8	51	93	66	1	0	3	0
BATON ROUGE	90	74	92	72	82	2	.6	0	.3	2.1	172	21.1	82	94	59	5	0	2	0
LAKE CHARLES	88	74	91	72	81	1	3.3	2.4	2.8	4.2	216	18.6	83	99	67	2	0	5	1
NEW ORLEANS	89	73	91	71	81	1	3.5	2.5	3.0	4.8	238	16.2	61	100	66	2	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending June 14, 1986

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 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	87	69	92	65	78	-1	5.8	4.9	5.2	7.0	406	21.7	97	99	58	3	0	4	1
ME GARIBOU	66	47	76	40	56	-3	.8	.1	.8	1.2	85	13.8	100	83	52	0	0	2	1
ME PORTLAND	70	51	78	47	60	-1	.8	.1	.4	2.5	173	21.9	110	92	58	0	0	4	0
MD BALTIMORE	90	63	96	53	76	5	.8	-.1	.8	1.1	65	11.0	60	91	40	3	0	1	0
MA SALISBURY	89	63	96	52	76	5	.3	-.6	.2	.3	15	11.3	59	95	41	2	0	2	0
MA BOSTON	73	55	85	50	64	3	1.3	-.6	.8	7.1	494	19.6	96	88	57	0	0	4	2
MA CHATHAM	67	54	75	50	60	0	1.7	1.1	.9	2.7	202	15.0	70	70	70	0	0	2	2
MI ALPENA	69	45	74	38	57	-3	2.1	1.4	.8	2.3	161	10.9	93	99	54	0	0	3	3
MI DETROIT	77	58	82	51	68	1	.7	-.1	.1	4.7	298	15.8	116	93	56	0	0	2	2
MI FLINT	76	55	80	46	66	1	2.5	1.8	1.5	3.2	210	11.8	94	97	53	0	0	2	2
MI GRAND RAPIDS	74	53	83	46	64	-2	3.1	2.1	2.6	4.3	253	17.7	124	96	55	0	0	4	4
MI HOUGHTON LAKE	70	50	74	41	60	-2	1.9	1.2	1.7	2.2	159	12.2	109	92	54	0	0	3	1
MI LANSING	76	53	81	44	65	-1	5.2	4.4	5.0	7.9	489	16.8	133	95	55	0	0	4	4
MI MARQUETTE	68	42	76	36	55	-4	1.2	.3	1.0	1.7	95	13.1	81	93	49	0	0	4	1
MI MUSKOGON	76	53	84	44	64	0	.3	-.3	.2	.3	25	9.7	72	94	47	0	0	1	0
MI SAULT STE. MARIE	65	43	76	37	54	-4	2.9	2.1	1.8	4.0	263	13.8	109	99	61	0	0	2	1
MN ALEXANDRIA	73	55	82	51	64	0	1.4	.4	1.4	1.8	96	14.4	148	88	66	0	0	4	1
MN DULUTH	68	47	74	43	57	-1	2.9	2.0	2.8	4.2	233	13.3	121	96	51	0	0	4	0
MN INT'L FALLS	72	46	82	42	59	-1	.2	-.7	.1	.5	33	6.2	75	91	43	0	0	2	0
MN MINNEAPOLIS	77	53	86	50	65	-2	.5	-.5	.5	.5	26	13.7	130	85	43	0	0	2	0
MS ROCHESTER	75	52	87	48	64	-2	.1	-.8	.1	.4	21	11.0	100	94	53	1	0	3	1
MS GREENWOOD	89	70	90	65	79	1	1.3	.6	.7	1.8	114	15.9	57	96	57	5	0	3	0
MS JACKSON	90	70	91	62	80	1	.4	-.2	.2	1.9	139	19.3	70	96	53	4	0	2	0
MS MERIDIAN	89	68	91	61	79	1	.2	-.6	.2	1.1	77	19.1	70	100	57	5	0	1	0
MO CAPE GIRARDEAU	85	69	90	62	77	-1	.6	-.3	.6	2.5	145	23.7	108	94	57	1	0	1	0
MO COLUMBIA	84	64	89	59	74	2	.2	-.8	.1	.7	40	14.0	83	95	59	0	0	2	0
MO KANSAS CITY	84	62	89	55	73	1	.5	-.6	.4	1.2	56	10.4	72	93	51	2	0	5	2
MO SAINT LOUIS	86	69	92	63	77	3	1.8	1.0	.8	3.6	215	13.3	84	90	54	0	0	4	0
MO SPRINGFIELD	83	63	87	55	73	1	.2	-1.0	.1	2.0	91	13.0	73	95	57	0	0	4	0
MT BILLINGS	77	53	87	49	65	2	.1	-.4	.1	1.3	123	9.1	112	84	35	0	0	3	0
MT GLASGOW	79	52	90	47	66	4	.5	-.2	.5	.6	52	4.7	92	75	29	1	0	1	0
MT GREAT FALLS	77	49	88	45	63	3	.4	-.4	.2	.9	66	7.0	86	84	35	0	0	3	0
MT HAVRE	76	51	87	45	63	2	T	-.5	T	.2	18	6.3	121	80	33	0	0	2	0
MT HELENA	78	49	87	44	63	5	.3	-.2	.2	1.0	102	4.9	89	81	33	0	0	2	1
MT KALISPELL	77	50	85	45	63	6	.9	-.4	.5	1.3	116	9.0	120	92	33	0	0	2	1
MT MILES CITY	80	54	89	50	67	2	.8	-.1	.8	1.4	102	7.2	106	86	35	0	0	2	0
MT MISSOULA	79	47	86	45	63	5	.2	-.3	.2	1.7	175	7.5	114	97	38	0	0	3	0
NE GRAND ISLAND	84	58	89	53	71	1	.4	-.5	.3	2.0	108	10.0	91	91	40	0	0	1	0
NE LINCOLN	83	59	86	51	71	0	.9	0	.9	1.4	74	13.1	108	92	48	1	0	5	2
NE NORFOLK	80	57	91	50	68	-1	2.2	1.2	1.4	2.4	117	14.1	129	96	49	1	0	2	0
NE NORTH PLATTE	79	54	88	47	67	0	.3	-.6	.3	1.2	67	9.6	105	94	49	0	0	5	1
NE OMAHA	79	60	83	54	70	-1	1.5	-.5	1.2	1.9	93	16.8	132	93	58	0	0	5	3
NE SCOTTSBLUFF	75	51	84	44	63	-3	3.8	3.1	1.7	4.4	315	11.2	153	96	53	0	0	5	3
NE VALENTINE	77	53	85	47	65	-2	1.6	-.9	1.2	1.6	116	9.7	126	88	46	0	0	3	1
NV ELY	80	39	88	30	59	2	T	-.2	T	T	5	4.3	91	64	17	0	2	1	0
NV LAS VEGAS	99	71	104	69	85	3	0	0	0	-.3	1.4	78	24	10	7	7	0	0	0
NV RENO	86	47	90	40	67	6	T	-.2	T	-.1	25	3.5	81	60	16	2	0	1	0
NV WINNEMUCCA	85	46	91	37	66	4	.5	-.3	T	-.1	25	3.5	81	60	16	2	0	1	0
NH CONCORD	73	48	84	42	61	-3	1.5	-.8	.8	3.0	218	17.0	110	97	57	0	0	3	2
NJ ATLANTIC CITY	85	59	94	50	72	4	1.6	1.0	1.1	1.7	137	16.0	87	95	47	2	0	2	2
NM ALBUQUERQUE	87	59	93	53	73	-1	T	-.1	T	19	2.9	121	53	15	3	0	0	0	0
NM CLOVIS	86	60	91	57	73	-1	1.5	-.9	1.4	1.6	140	5.9	104	71	27	1	1	2	1
NM ROSWELL	90	61	96	58	76	-3	.4	-.2	.4	.6	148	3.4	142	72	21	5	0	1	0
NY ALBANY	73	54	82	46	64	-2	1.1	.3	1.0	3.1	199	17.6	114	95	55	0	0	4	2
NY BINGHAMTON	72	53	78	44	63	-1	1.6	-.8	1.1	3.3	196	18.6	118	92	52	0	0	3	0
NY BUFFALO	76	54	83	47	65	0	.6	-.1	.4	2.9	228	17.6	113	94	53	0	0	3	1
NY NEW YORK	80	61	90	55	71	1	.7	0	.6	1.3	88	15.5	82	88	51	1	0	3	1
NY ROCHESTER	76	52	83	45	64	-1	.8	.1	.5	2.6	198	14.1	103	97	53	0	0	3	0
NY SYRACUSE	74	53	84	46	64	-2	1.5	.7	1.3	2.8	170	16.3	99	96	55	0	0	4	1
NC ASHEVILLE	82	62	87	58	72	3	.1	-.9	.1	1.1	56	10.9	49	99	57	0	0	3	0
NC CHARLOTTE	90	73	93	69	82	7	.1	-.7	.1	8	7.9	38	86	43	6	3	1	1	0
NC GREENSBORO	88	68	94	64	78	4	.4	-.6	.4	.5	27	6.5	34	90	44	0	0	0	0
NC HATTERAS	84	69	87	60	77	5	.5	-.5	.4	1.3	65	14.7	67	97	66	0	0	3	2
NC NEW BERN	90	70	95	62	80	9	1.4	-.3	.9	1.8	80	15.4	73	96	51	3	0	2	0
NC RALEIGH	90	69	97	65	79	6	T	-.8	T	.4	23	11.0	58	91	45	4	0	5	2
NC WILMINGTON	92	72	97	67	82	6	1.3	-.1	.7	1.4	59	17.7	86	95	54	5	0	4	2
ND BISMARCK	75	50	80	46	62	-1	.2	-.5	.1	.5	37	8.1	119	95	45	0	0	4	0
ND FARGO	75	53	84	46	64	0	.4	-.3	.3	.5	38	5.6	85	82	36	0	0	0	0
ND GRAND FORKS	76	52	84	46	64	1	T	-.7	T	.7	57	8.4	140	83	38	0	0	3	0
ND WILLISTON	78	50	89	41	64	2	.6	-.1	.1	.7	61	11.4	70	96	57	0	0	4	0
OH AKRON-CANTON	79	59	86	53	69	1	.2	-.5	.3	.9	47	12.9	68	94	58	0	0	2	0
OH CINCINNATI	82	64	87	57	73	2	.3	-.6	.2	.9	71	17.1	108	95	53	0	0	3	0
OH CLEVELAND	79	60	86	50	70	3	.3	-.6	.3	1.2	47	17.1	108	95	53	0	0	3	0
OH COLUMBUS	81	62	85	59	72	3	3.0	2.1	2.5	4.2	230	15.1	88	95	57	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending June 14, 1986

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 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	72 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	81	64	86	59	73	3	.8	-.2	.6	2.5	137	16.8	101	94	58	0	0	2	1
TOLEDO	79	59	83	52	69	2	1.4	.5	.7	3.8	236	14.8	106	98	58	0	0	3	1
YOUNGSTOWN	79	57	85	49	68	3	3.6	2.8	3.6	6.9	442	17.1	104	96	55	0	0	2	1
OK OKLAHOMA CITY	90	66	94	64	78	2	.8	-.1	.6	2.2	111	17.3	117	85	43	0	0	2	1
TULSA	89	68	93	63	79	2	.5	-.6	.3	2.9	127	18.5	104	92	50	0	0	2	0
OR ASTORIA	68	47	78	43	58	2	.4	-.2	.2	.3	20	33.2	.95	93	62	4	0	1	0
BURNS	82	45	88	39	64	5	0	0	0	.3	62	7.1	237	—	—	0	0	0	0
MEDFORD	92	53	99	44	72	8	.4	.3	.4	.4	110	10.1	101	79	21	5	0	1	0
PENDLETON	85	55	94	49	70	5	1	1	1	0	0	7.0	109	58	20	4	0	0	0
PORTLAND	83	54	96	46	69	7	1	1	1	4	4	16.7	88	83	31	1	0	1	0
SALEM	82	48	93	42	65	5	.1	-.2	.1	.3	38	21.1	100	92	33	1	0	1	1
PA ALLENTOWN	80	58	88	49	69	1	1.1	.3	.6	2.1	134	18.8	97	87	54	0	0	4	1
ERIE	75	58	82	49	66	3	3.3	2.5	1.3	6.3	365	21.5	134	91	63	0	0	4	3
HARRISBURG	81	60	92	50	71	0	.9	0	.4	1.3	75	17.6	99	96	51	1	0	4	0
PHILADELPHIA	85	63	95	58	74	4	1.6	.7	1.3	1.7	95	15.6	85	86	49	2	0	2	1
PITTSBURGH	80	61	86	56	71	3	1.0	.3	.4	4.0	257	14.8	86	86	50	0	0	4	0
SCRANTON	77	56	85	46	66	0	2.2	1.4	1.7	4.9	317	19.5	133	92	55	0	0	2	1
RI PROVIDENCE	76	56	84	52	66	0	1.2	.5	.9	2.7	203	19.0	91	92	56	0	0	4	1
SC CHARLESTON	93	75	99	72	84	7	.4	-.1	.3	1.3	47	11.9	57	99	56	5	0	4	0
COLUMBIA	96	70	99	62	83	6	.1	-.9	.1	.1	7	7.4	32	91	37	0	0	2	1
FLORENCE	93	73	98	70	83	6	1.1	.1	1.1	1.4	71	9.3	48	95	45	6	0	1	0
GREENVILLE	89	69	91	63	79	5	.4	-.7	.4	.9	42	13.6	54	97	52	3	0	2	0
SD ABERDEEN	74	54	78	50	64	-1	.5	-.3	.5	2.1	141	14.4	178	96	55	0	0	1	0
HURON	75	54	80	50	65	-2	1.5	.7	1.3	2.4	150	13.1	151	98	55	0	0	3	1
RAPID CITY	73	54	78	49	63	-1	3.3	2.6	2.3	3.5	226	12.0	146	91	55	0	0	5	1
SIOUX FALLS	77	54	83	46	65	-2	.3	-.6	.2	.9	53	10.8	104	94	54	0	0	3	0
TN CHATTANOOGA	88	68	92	64	78	4	1.6	.9	1.2	1.6	109	12.1	46	100	53	2	0	4	1
KNOXVILLE	88	67	89	63	78	4	.3	-.6	.3	.6	35	11.9	50	95	53	0	0	1	0
MEMPHIS	88	71	90	65	79	1	.8	-.1	.4	3.3	192	16.7	62	95	59	1	0	4	0
NASHVILLE	85	67	88	59	76	1	.5	-.3	.3	2.1	119	12.1	49	97	60	0	0	3	0
TX ABILENE	90	69	92	64	80	0	.1	-.5	.1	4.0	313	11.1	112	87	38	6	0	1	0
AMARILLO	85	59	90	54	72	-2	1.0	.2	.9	2.7	158	7.8	104	82	32	1	0	3	1
AUSTIN	89	72	92	67	81	-1	.3	-.4	.2	1.6	100	12.4	84	95	56	3	0	2	0
BEAUMONT	88	73	91	70	80	0	4.0	3.2	3.3	5.3	302	22.8	108	97	67	2	0	2	2
BROWNSVILLE	91	77	92	74	84	2	.7	0	.5	2.9	220	8.0	95	96	62	6	0	2	0
CORPUS CHRISTI	89	75	91	72	82	0	.7	-.2	.3	2.5	150	11.2	105	99	65	3	0	4	0
DEL RIO	91	73	93	69	82	-1	0	-.4	0	1.8	217	9.5	142	79	44	5	0	0	0
EL PASO	92	64	97	59	78	-2	1	1	1	1	21	1.7	100	46	14	5	0	0	0
FORT WORTH	91	69	94	65	80	-1	.5	-.2	.3	2.8	204	17.2	112	94	46	6	0	3	0
GALVESTON	86	75	88	70	80	0	2.1	1.3	1.2	3.4	216	11.3	76	89	67	0	0	4	2
HOUSTON	89	73	93	70	81	1	2.3	1.4	1.9	4.0	199	15.8	79	93	65	3	0	4	1
LUBBOCK	89	63	93	56	76	-1	.8	.1	.7	1.8	130	5.7	83	90	28	4	0	2	1
MIDLAND	91	66	95	63	78	-2	1	1	1	.3	42	4.5	88	95	33	5	0	1	0
SAN ANGELO	88	68	90	66	78	-3	1.7	1.2	1.2	2.9	292	11.7	156	95	48	5	0	2	1
SAN ANTONIO	90	73	92	66	82	0	1.0	.2	.8	8.4	538	18.9	149	94	56	5	0	3	1
VICTORIA	88	73	90	72	81	-1	3.4	2.3	1.6	6.0	267	15.9	107	99	66	2	0	5	2
WACO	91	70	94	67	81	0	1.7	1.1	1.4	3.5	243	18.1	115	96	50	5	0	2	1
WICHITA FALLS	92	65	94	59	78	-1	4.7	4.0	4.5	6.0	396	15.1	120	95	42	6	0	3	1
UT BLANDING	81	49	89	44	65	-1	0	-.1	0	.6	450	5.1	113	62	22	0	0	0	0
CEDAR CITY	82	48	89	40	65	0	.3	-.2	.3	.3	158	4.4	98	73	23	0	0	1	0
SALT LAKE CITY	79	55	92	50	67	1	.4	.2	.4	.4	88	12.8	149	76	31	1	0	2	0
VT BURLINGTON	72	53	83	46	63	-1	1.9	1.1	.8	3.0	184	16.7	127	93	54	0	0	4	2
VA NORFOLK	88	67	99	57	78	4	.1	-.7	.1	-.4	25	11.0	58	92	48	3	0	2	0
RICHMOND	90	66	96	56	78	6	.3	-.5	.2	-.4	28	11.2	62	92	41	4	0	3	0
ROANOKE	85	62	91	57	73	3	.1	-.7	.1	-.4	28	11.4	64	94	48	1	0	2	0
WA COLVILLE	83	50	88	46	67	7	.1	-.3	.1	-.7	88	12.7	153	76	36	0	0	2	0
QUILLAYUTE	71	45	85	40	58	4	.3	-.4	.3	-.4	24	59.7	115	98	46	0	0	1	0
SEATTLE-TACOMA	77	53	90	49	65	5	.1	-.2	.1	.1	20	18.9	102	79	33	1	0	1	0
SPOKANE	82	51	89	46	67	6	1	1	1	.3	47	9.4	109	75	23	4	0	1	0
WYAKIMA	87	50	94	43	68	5	0	-.1	0	0	11	4.9	120	73	21	0	0	5	0
WV BECKLEY	78	60	82	50	69	4	.7	-.2	.4	.7	44	13.8	69	99	60	0	0	4	0
CHARLESTON	83	64	87	58	73	3	.6	-.2	.4	1.5	109	16.1	84	97	55	0	0	4	1
HUNTINGTON	81	65	85	55	73	2	1.0	.3	.7	2.6	161	13.6	71	97	58	0	0	3	1
PARKERSBURG	82	62	90	55	72	3	1.8	.8	1.5	1.9	89	12.6	61	97	52	1	0	3	1
WI GREEN BAY	71	52	77	48	62	-2	1.3	.6	1.3	1.4	101	8.8	77	94	51	0	0	3	1
LA CROSSE	77	54	82	50	66	-2	.8	-.1	.8	1.4	74	9.5	77	93	48	0	0	2	1
MADISON	76	53	83	47	65	-1	1.4	.5	1.1	1.5	81	11.0	88	95	52	0	0	4	1
MILWAUKEE	70	53	85	48	61	-2	1.2	.4	.8	1.7	105	12.7	96	97	60	0	0	4	1
WAUSAU	73	51	79	47	62	-2	1.4	.5	.8	1.5	82	8.5	70	91	45	0	0	2	2
WY CASPER	75	49	84	44	62	1	1.4	1.2	1.1	1.8	283	6.8	108	91	38	0	0	4	1
CHEYENNE	71	47	78	41	59	-2	1.2	.7	.9	1.6	159	6.0	94	89	41	0	0	4	1
LANDER	76	51	86	47	64	3	.2	-.2	.1	.2	26	5.9	74	75	32	0	0	3	0
SHERIDAN	75	50	88	44	62	2	1.1	.5	.8	2.8	272	8.4	105	91	41	0	0	3	1
PR SAN JUAN	87	74	88	73	81	-1	.2	-.9	.2	.3	14	27.0	144	96	66	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

## National Agricultural Summary

JUNE 9 TO 15, 1986

**HIGHLIGHTS:** Rain slowed field activities east of the Rocky Mountains but provided much needed moisture in the Southeast. Excessive moisture caused some replanting of cotton in Oklahoma and Texas and disease and fungus in wheat in the Corn Belt and central Great Plains. Fieldwork averaged 4 days or less in most States east of the Rocky Mountains. In Indiana and Kentucky, farmers worked less than 2 days. Soil moisture was adequate to surplus in most areas except the southeast. Soil moisture was still short in the Southeast but improved.

Winter wheat was mostly good, except in the Delta and Southeast where conditions were fair. Heading was 93 percent (%) finished, equaling last year but slightly ahead of the average. Sixteen percent of the crop was harvested compared with 13% normally. Rain impeded harvest in most areas. Corn was mostly good. In Texas and Georgia, corn was in the dent stage. Soybean seeding was 81% finished, ahead of the 80% average but behind last year's 88%. Rain slowed planting, but farmers were able to seed 9% of the acreage. Sorghum was 81% seeded in the 11 major producing States, 4 percentage points ahead of normal. Harvest is expected to start soon in Texas. Cotton planting advanced to 86% completion, compared with 95% normally. Seeding lagged considerably behind normal in Oklahoma and Texas. Squares were present on 21% of the acreage, 3 percentage points ahead of the 18% average. Cotton was setting bolls in Texas and Arizona. Rice was heading in Texas and Louisiana. Emergence neared completion in Arkansas and California. Livestock was mostly good. Southeastern pastures improved with rain.

**SMALL GRAINS:** Winter wheat was mostly good in the central and northern Great Plains and mostly fair in the Delta and Southeast. Rain continued improving wheat conditions in the Southeast. In the 20 major producing States, wheat was 93% headed, equaling last year but slightly ahead of the average. Heading was complete in 12 of the 20 major producing States and neared completion in Colorado, Michigan, Nebraska, and Oregon. In Utah, heading lagged 11 points behind normal at 15% finished. Heading was 10 points ahead of normal in Montana and slightly above average in South Dakota. Sixteen percent of the wheat acreage was harvested compared with 23% last year and 13% normally. Harvest was underway in 9 of the 20 major producing States, and all were ahead of normal except Arkansas, Missouri, and Oklahoma. Rain slowed harvest from Oklahoma, southward, and into the Southeast. The rain reduced quality in Oklahoma and lowered yields in Texas. Wheat began lodging in Arkansas. In the Corn Belt and central Plains, excessive moisture caused disease and fungus.

Spring wheat was mostly good. Emergence neared completion in Minnesota and South Dakota. Spring wheat was heading in Montana and Utah.

**CORN:** Corn was mostly good except in the Southeast where conditions were fair to good. Moisture was beneficial for growth and development especially in the Southeast. Twenty-three percent of Georgia's corn reached the dough stage compared with 17% normally and 1% reached the dent stage. Corn grew well in Kentucky and early fields were tasseling. Corn development was variable with low plant population and uneven stands in some areas of Minnesota. Ten percent of Texas corn was in the dent stage.

**SOYBEANS:** Precipitation slowed seeding in nearly all major producing States, but seeding was 9 percentage points ahead of the previous week. Seeding almost stood still in Illinois, Indiana, Kentucky, and Tennessee. In the 19 major producing States, seeding was 81% finished, 1 percentage point above normal but behind 1985 by 7 percentage points. Seeding was 95% or more finished in Illinois, Iowa, Minnesota, and Nebraska. Soybeans were mostly good in the Corn Belt and central and northern Plains. Condition was fair to good in the Delta and in the Southeast.

**SORGHUM:** Sorghum was 81% seeded, compared with 77% normally. Seeding was ahead of normal in all States except Oklahoma, South Dakota, and Texas. Rain slowed seeding in Oklahoma, holding seeding to 50% completion, 30 percentage points below the average. Seeding was 29 percentage points behind normal in South Dakota. Harvest may start as early as next week in Texas.

**COTTON:** Cotton was 86% seeded, 9 percentage points below normal. Most of the decline was caused by the slow seeding progress in Oklahoma and Texas. Seeding was 20 percentage points behind normal in Oklahoma and 16 percentage points behind in Texas. Squares were forming on 21% of the acreage, 3 percentage points above the average. Seedling disease resulted from excessive moisture, and some replanting may be necessary in the Cross Timbers area of Texas. Bolls were setting in most other areas of the State. Wetness also caused replanting in Oklahoma. In Arkansas, boll weevils and thrips hampered cotton development. Cotton was setting bolls in Arizona. Boll weevil counts were above normal in central areas. Cotton was mostly fair to good.

**OTHER CROPS:** Rice was virtually emerged except in California where 5% of the rice was not emerged. Rice continued heading in Louisiana and Texas.

Peanuts were mostly planted in the Southeast. Georgia peanuts showed signs of the late planting with blooming and pegging, 17 and 5 percentage points behind normal, respectively. Surplus moisture caused some replanting in Texas. Seeding was 49% complete, but normally 56% would be seeded.

Burley tobacco transplanting remained behind normal in most producing States. The two largest producing States, Kentucky and Tennessee, were 2 and 14 percentage points behind normal, respectively. Flue-cured tobacco harvest had not begun in Georgia and Florida.

**FRUIT AND NUTS:** Peach harvest progressed ahead of normal in most Southeastern States. Peaches were 26% harvested in South Carolina and 41% harvested in Georgia. Early variety peaches were picked in Texas, and some late varieties were coming off in good quantities.

Rain relieved most of the stress caused by dryness in Florida's citrus groves. Most producers discontinued irrigation. Rain slowed Valencia orange harvest. Peaches, nectarines, and plums were harvested in California.

**VEGETABLES:** Vegetable harvest continued moving north. Tomatoes, snap beans, and squash were harvested in Arkansas. Rain slowed vegetable harvest in Michigan. Green pea harvest was underway in New York.

Florida vegetable shipments declined seasonally. Harvest of most vegetables ended in

(Continued to back cover)

**CROP PROGRESS**

FOR WEEK ENDING JUNE 15, 1986

**COTTON  
% PLANTED**

	1986	1985	AVG.
ALA	100	100	100
ARIZ	100	100	100
ARK	100	100	100
CALIF	100	100	100
GA	94	100	98
LA	100	100	100
MISS	100	100	100
MO	100	100	100
N MEX	100	100	100
N C	100	100	100
OKLA	60	95	80
S C	100	100	100
TENN	99	100	100
TEX	74	92	90

14 STATES            86    96    95

THESE 14 STATES PRODUCED 100%  
OF THE 1985 COTTON CROP.

**COTTON  
% SQUARING**

	1986	1985	AVG.
ALA	20	37	24
ARIZ	85	90	75
ARK	19	37	17
CALIF	15	20	9
GA	20	66	36
LA	62	36	21
MISS	36	39	30
MO	1	2	8
N MEX	25	0	1
N C	20	18	14
OKLA	0	5	1
S C	18	46	40
TENN	8	8	6
TEX	13	13	14

14 STATES            21    24    18

THESE 14 STATES PRODUCED 100%  
OF THE 1985 COTTON CROP.

**SOYBEANS  
% PLANTED**

	1986	1985	AVG.
ALA	67	77	74
ARK	56	75	60
GA	58	84	69
ILL	96	93	89
IND	78	93	85
IOWA	95	100	93
KANS	80	55	55
KY	45	55	49
LA	84	90	81
MICH	90	100	90
MINN	95	96	96
MISS	55	84	74
MO	79	81	65
NEBR	98	100	90
N C	70	71	70
OHIO	92	97	83
S C	64	68	69
S DAK	66	100	92
TENN	45	70	60

19 STATES            81    88    80

THESE 19 STATES PRODUCED 96%  
OF THE 1985 SOYBEANS CROP.

**RICE  
% EMERGED**

	1986	1985	AVG.
ARK	98	93	93
CALIF	95	92	88
LA	100	100	98
MISS	100	100	97
TEX	100	100	100

5 STATES            98    96    94

THESE 5 STATES PRODUCED 97%  
OF THE 1985 RICE CROP.

**GRAIN SORGHUM  
% PLANTED**

	1986	1985	AVG.
ARK	96	96	94
ILL	85	69	62
KANS	70	60	55
LA	100	100	94
MISS	92	97	87
MO	84	84	72
NEBR	98	100	90
OKLA	50	85	80
S DAK	61	82	80
TENN	85	85	NA
TEX	84	91	90

11 STATES            81    82    NA

EXCL. STATES  
WITH NA            81    82    77

THESE 11 STATES PRODUCED 94%  
OF THE 1985 GRAIN SORGHUM CROP

**WINTER WHEAT  
% HEADED**

	1986	1985	AVG.
ARK	100	100	NA
CALIF	100	100	100
COLO	97	99	90
GA	100	100	100
IDAHO	15	34	36
ILL	100	100	100
IND	100	100	99
KANS	100	100	99
MICH	95	100	80
MO	100	100	100
MONT	35	35	25
NEBR	98	100	96
N MEX	100	NA	NA
N C	100	NA	NA
OHIO	100	99	96
OKLA	100	100	100
OREG	91	88	86
S DAK	83	94	81
TEX	100	100	100
WASH	80	68	74

20 STATES            93    NA    NA

EXCL. STATES  
WITH NA            93    93    91

THESE 20 STATES PRODUCED 91%  
OF THE 1985 WINTER WHEAT CROP.

**WINTER WHEAT  
% HARVESTED**

	1986	1985	AVG.
ARK	20	70	44
CALIF	35	20	16
COLO	0	0	0
GA	74	86	61
IDAHO	0	0	0
ILL	1	1	0
IND	0	0	0
KANS	10	5	1
MICH	0	0	0
MO	4	5	5
MONT	0	0	0
NEBR	0	0	0
N MEX	5	NA	NA
N C	50	61	37
OHIO	0	0	0
OKLA	35	80	40
OREG	0	0	0
S DAK	0	0	0
TEX	39	53	37
WASH	0	0	0

20 STATES            16    NA    NA

EXCL. STATES  
WITH NA            16    23    13

THESE 20 STATES PRODUCED 91%  
OF THE 1985 WINTER WHEAT CROP.

**SPRING WHEAT  
% EMERGED**

	1986	1985	AVG.
IDAHO	100	100	100
MINN	97	98	98
MONT	100	100	100
N DAK	100	100	97
S DAK	96	100	100

5 STATES            99    100    98

THESE 5 STATES PRODUCED 95%  
OF THE 1985 SPRING WHEAT CROP.

WEEKLY CROP WEATHER CONDITION PERCENT REPORT  
FOR WEEK ENDING JUNE 15, 1986

WINTER WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	22	35	43	0
CALIF	NA	0	20	80	0
COLO	8	4	36	42	10
GA	5	14	63	17	1
IDAHO	0	0	3	87	10
ILL	5	10	52	31	2
IND	NA	6	31	59	4
KANS	3	10	23	37	27
MICH	1	9	20	50	20
MO	NA	43	45	12	0
MONT	0	0	7	66	27
NEBR	0	0	19	64	17
N MEX	0	37	7	56	0
N C	NA	32	57	11	0
OHIO	0	3	28	67	2
OKLA	NA	0	60	40	0
OREG	0	0	50	50	0
S DAK	0	0	11	56	33
TEX	2	15	59	22	2
WASH	NA	0	55	45	0

CORN

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
COLO	0	0	27	69	4
GA	5	14	47	30	4
ILL	0	0	6	47	47
IND	NA	4	21	62	13
IOWA	0	2	20	69	9
KANS	0	0	7	26	67
KY	NA	2	34	57	7
MICH	1	4	25	50	20
MINN	1	3	32	59	5
MO	NA	2	19	70	9
NEBR	0	0	0	77	23
N C	NA	11	59	30	0
OHIO	0	0	13	69	18
PA	0	4	18	53	25
S DAK	0	5	26	55	14
TEX	0	6	17	51	26
WISC	1	2	18	69	10

GRAIN SORGHUM

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	5	7	78	10
ILL	0	7	25	56	12
LA	0	5	59	36	0
MISS	0	4	36	57	3
MO	NA	15	34	49	2
NEBR	0	0	9	86	5
OKLA	NA	0	35	60	5
S DAK	0	5	26	55	14
TENN	5	7	51	34	3
TEX	0	1	25	60	14

SPRING WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
IDAHO	0	0	10	83	7
MINN	0	2	36	49	13
MONT	0	0	13	73	14
N DAK	0	0	8	82	10
S DAK	0	0	9	57	34

RICE

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	5	6	83	6
CALIF	NA	0	20	80	0
LA	0	0	11	89	0
MISS	0	24	19	57	0
TEX	0	1	18	72	9

COTTON

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	0	12	58	30	0
ARIZ	0	0	0	90	10
ARK	0	4	14	82	0
CALIF	NA	0	0	100	0
GA	0	8	58	34	0
LA	0	0	49	51	0
MISS	1	7	48	44	0
MO	NA	50	50	0	0
N MEX	0	0	40	60	0
N C	NA	0	67	29	4
OKLA	0	0	25	50	25
S C	0	40	57	3	0
TENN	0	10	36	36	18
TEX	4	6	48	34	8

SOYBEANS

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	0	4	55	41	0
ARK	0	13	28	59	0
IND	0	6	33	58	3
IOWA	0	2	25	66	7
LA	0	18	65	17	0
MINN	1	2	34	61	2
OHIO	0	0	15	78	7
S C	0	19	57	24	0
S DAK	0	0	24	65	11

NA - NOT ASKED

## 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 NASS State Statistical Offices in cooperation with the National Weather Service.

**ALABAMA:** Temperature averaged 1° above normal. Rainfall ranged from 0.10 to 1.00 in. across State. Days suitable for fieldwork 4.0. Soil moisture 24% short, 58% adequate, 18% surplus. Peanuts planted 100%, 100% 1985. 100% avg. Rain improved crop conditions, promoted growth. Primary activities: Planting cotton, peanuts, soybeans, sorghum; land preparation; fertilizing and lime application; spraying pecans; crop cultivation; harvesting of wheat; care of livestock and poultry; general farm chores.

**ALASKA:** Warm, windy dry weather continued throughout Railbelt. Temperatures ranged 4° below normal to 8° above normal. Precipitation drier than normal.

Days suitable for fieldwork 7.0. Topsoil moisture 56% short, 44% adequate. Last year, supplies 25% short, 72% adequate, 3% surplus. Subsoil moisture 13% short, 87% adequate. Oats, barley grain emergence averaged 95%. Crop growth moderate to rapid. Crop conditions average. Rain needed to enhance crops. Strong winds caused damage to emerging vegetables, potatoes.

**ARIZONA:** Sunny skies, warming trend through 12th. Very hot conditions 13th to 15th. Afternoon temperatures 80s high country, 90s 5,000 ft., 105 to 112° lower deserts. Average temperatures from 1° below normal to 6° above.

Cotton squaring rapidly with favorable weather. Insects, weeds moderate. Heavy boll weevil potential central area, trap counts above normal. Sprays applied on spider mites, morning-glory west. Bolls setting west, central. Small grains 85% harvested, 75% 1985. Wheat combining advanced, barley virtually completed. Alfalfa cutting continued, sales slow. Demand steady for high quality cuttings. Curing good. Weeds, insects light to moderate. Corn good central, southeast; excellent west. Sorghum planting began west. Southeast sorghum good. Safflower turning color. Sesame planted. Popcorn good. Melon harvest gained momentum. Dry onions almost finished. Potato digging completed Parker-Poston, continued central. Mixed vegetables packed central valley. Grape harvest continued. Citrus season completed. Pistachios, apples, peaches, pecans good.

**ARKANSAS:** Temperatures near normal. Scattered showers. Temperature extremes 52°; 94°. Rainfall 0.08 to 4.44 in.

Days suitable for fieldwork 3.0. Soil moisture 23% adequate, 77% surplus. Major activities: Cutting hay; rice fertilization; wheat harvest; pesticide application; pecan, apple spraying. Rainfall hampered haying operations, soybean planting, wheat harvest. Wheat lodging. Boll weevils, thrips hampering cotton. Grass, weeds problem. Tomato, peach, snap beans, squash harvest underway.

**CALIFORNIA:** Another week extremes settled over State. One hundred plus temperatures central valley, deserts. Midweek unstable air triggered series thunderstorms along Sierra Nevada. End of week unseasonable cold trough brought temperatures to normal or below.

Excellent crop progress. Small grain crops harvest active. Cotton growth good; cultivation, irrigation, thinning, pest control active. Rice treated for broadleaf. Sugarbeets irrigated, treated for powdery mildew. Dry bean, corn

planting remained underway; both crops good shape. Alfalfa all stages of production; some pest problems reported. Crops irrigated regular basis. Apples sprayed codling moth. Apricot harvest continued. Grapes sizing well. Growers sprayed mildew, grapeleaf skeletonizer control. Grapes being thinned. Kiwifruit developing well. Freestone peach, nectarine, plum harvest continued. Packers contend with uneven ripening, hail damage. Sizes smaller than normal, but flavor, color excellent. Cling peach, prune orchards sprayed, oriental fruit moth, twig borer. Early varieties almonds showing hull split. Walnuts sprayed for codling moth. Artichoke light variable quality Salinas. Freezer bean planting Westside. Boysenberry, strawberry active San Joaquin, south coast, central coast. Broccoli heavy Salinas, Santa Maria good quality. Carrot digging moderate Salinas. Harvest active Kings County. Cauliflower moderate Salinas light Santa Maria. Celery light variable quality Salinas. Santa Maria light, good quality, small sizes. Sweet corn steady Coachella Valley, good quality. Started Brentwood-Tracy. Lettuce volume heavy Salinas, quality, weight variable. Cantaloup past peak Imperial, active Palo Verde. Watermelon harvest active Palo Verde-Coachella Valley. Honeydew gained momentum Palo Verde Valley. Harvesting onions central valley. Market onion completed Imperial Valley. Spring potato near completion Perris-Hemet. Fall potato planting Tulalake-Butte Valley. Sweetpotato Merced-Atwater growing well. Harvesting market tomatoes started June 11 Tulare County. Processing harvest fast approaching San Joaquin Valley. Fresh harvest Imperial about over. Foothill pastures continued extremely dry, fire danger increasing. Grasshopper populations building lower elevations. Movement livestock summer pastures, feedlots heavy. Apiaries being moved summer locations.

**COLORADO:** Temperatures averaged 3° below normal to 1° above normal. Precipitation totals averaged none to 2.47 in.

Days suitable for fieldwork 3.7. Soil moisture 5% very short, 16% short, 65% adequate, 14% surplus. Winter wheat fair to good. Sorghum planted 61%, 89% 1985, 78% avg.; emerged 47%, 75% 1985, 58% avg. Livestock good; range, pasture fair to mostly good.

**FLORIDA:** Typical summertime showers, thunderstorms randomly distributed but locally numerous, heavy. Heaviest amounts ranged from 3.00 to 5.00 in.

Soil moisture spotty, very short to adequate. Corn severely stressed some areas, good other areas. Cotton good, later than normal. Peanuts generally good, planting complete. Soybean planting continued, early plantings good. Tobacco maturing well. Wheat harvest winding down. Sugarcane good. Pastures fair to good southern Peninsula, poor to fair elsewhere. Panhandle grass greening, but short; more general rains needed nearly all areas. Cattle fair Panhandle, northern Peninsula, good elsewhere. Rain all citrus areas several days; irrigation discontinued most groves. New crop fruit progressing very well. Valencia harvest slowed by rain, reduced supplies. Grapefruit harvest almost complete. Caretakers very active with summer grove work. Hot days, warm nights, afternoon thunderstorms predominated over vegetable producing areas. Temperatures ranged from lows 70s to highs 90s. Scattered thunderstorms brought varying rainfall, some locally heavy. Winds mostly light, strong gusty thunderstorms. Harvest most crops ended southern

areas. Supplies principally from Central, North. Vegetable shipments declined except carrots, eggplant, watermelons increased.

**GEORGIA:** Rainfall exceeded 1.00 in. many locations. Greatest totals over south central, east. More than 4.00 in. Homerville, 2.97 in. Eden, 2.53 in. Valdosta. Temperatures 3 to 5° above normal. Maximums mid-upper 90s except mountains. Highest reading 102° Savannah. Minimums mostly 60s, 53° Clayton lowest.

Days suitable for fieldwork 5.3. Soil moisture 6% very short, 58% short, 34% adequate, 2% surplus. Corn 61% silked, 86% 1985, 48% avg.; 23% dough, 46% 1985, 17% avg.; 1% dent, 7% 1985. Sorghum grain 6% poor, 56% fair, 38% good; 69% planted, 85% 1985, 69% avg. Peanuts 7% poor, 47% fair, 46% good; 96% planted, 100% 1985, 99% avg.; 22% blooming, 68% 1985, 39% avg.; 4% pegging, 27% 1985, 9% avg. Soybeans 5% poor, 53% fair, 42% good. Tobacco 6% poor, 51% fair, 43% good; none harvested, 5% 1985, 2% avg. Watermelons 4% poor, 66% fair, 30% good; 6% harvested, 7% 1985, 4% avg. Rye 3% very poor, 16% poor, 62% fair, 19% good. Other small grains 3% very poor, 20% poor, 58% fair, 19% good. Apples 3% very poor, 7% poor, 47% fair, 43% good. Peaches 10% poor, 55% fair, 33% good, 2% excellent; 41% harvested, 35% 1985, 28% avg. Pasture 5% very poor, 23% poor, 54% fair, 18% good. Hay 9% very poor, 23% poor, 55% fair, 13% good. Cattle 2% very poor, 6% poor, 62% fair, 30% good. Hogs 2% poor, 47% fair, 51% good. Main activities: Land preparation, planting, harvesting small grain, fighting insects and weeds.

**HAWAII:** Conditions variable. Low pressure area moved north of State beginning week; winds light, variable; scattered showers, at times heavy, some areas. Northeasterly winds 10 to 20 mph returned week's end. Temperatures ranged mid 60s to upper 80s. Rainfall ranged none to 2.80 in.

Days suitable for fieldwork 7.0. Vegetables fair to good. Banana orchards fair to good; some seasonal low. Boatmen's strike continued; major interisland barge service interrupted. Interisland fresh produce shipments affected by delays, availability alternative transportation. Papaya transshipment Hawaii Island to mainland via Oahu disrupted by delays.

**IDAHO:** Clear skies, warm temperatures, highs mid 90s. Precipitation varied but light.

Days suitable for fieldwork 6.0. Fieldwork active, potato planting wrapping up with emergence behind previous years. Hay cutting, baling in full swing. Spring seeded small grains progressing well. Winter wheat good. Spring wheat good. Grasshopper infestation light, some spraying. Livestock good, movement to summer grazing reduced.

**ILLINOIS:** Temperatures averaged 1 to 2° above normal central, south and 1 to 2° below normal north. Precipitation 0.10 to 1.37 in. heaviest north, west central.

Days suitable for fieldwork 3.0. Soil moisture 6% short, 62% adequate, 32% surplus. Soybeans 2% poor 14% fair, 56% good, 28% excellent. Winter wheat turning yellow 85%, 78% 1985, 60% avg.; ripe 35%, 23% 1985, 12% avg.; harvested 1%, 1% 1985, none avg. Oats 1% poor, 21% fair, 59% good, 19% excellent; headed 75%, 89% 1985, 60% avg.; filled 35%, 59% 1985, 29% avg.; turning yellow 3%, 6% 1985, 2% avg. Alfalfa 1% poor, 18% fair, 64% good, 17% excellent; alfalfa 1st crop cut 85%, 95% 1985, 79% avg.; alfalfa 2nd crop cut 10%, 9% 1985, 4% avg. Red clover 21% fair, 68% good, 11% excellent; red clover crop cut 55%, 72% 1985, 61% avg. Pasture 9% fair, 68% good, 23% excellent. Major farm activities: Seeding soybeans, cultivating corn and soybeans, applying herbicides, spreading fertilizer, cutting hay.

**INDIANA:** Temperatures near normal. Average lows 80s south, highs upper 70s north. Rainfall below normal. Totals 1.00 to 2.00 in. north, 0.50 in. or less south.

Fieldwork averaged 1.3 days. Topsoil moisture 24% adequate, 76% surplus. Subsoil moisture 3% short, 37% adequate, 60% surplus. Soybeans 90% emerged, 90% 1985, 75% avg. Soybeans 5 in. tall, 5 in. 1985, 3 in. avg. Corn, soybeans, wheat, fair to mostly good. Corn 100% emerged. Corn 21 in. high, 19 in. 1985, 12 in. avg. Wheat 55% turning color, 75% 1985, 20% avg. Wheat 10% ripe, 5% 1985, 2% avg. Excessive moisture causing widespread wheat disease problems. Alfalfa 60% cut once, 90% 1985, 70% avg. Clover 45% cut, 70% 1985, 45% avg. Tobacco 80% set, 70% 1985, 60% avg. Oats 70% headed, 80% 1985, avg. 35%.

**IOWA:** Near reasonable temperatures, spotty showers. Rain less than 0.50 in. north central counties, few others; 4.00 in. Harrison County.

Days suitable for fieldwork 4.5. Topsoil moisture 70% adequate, 30% surplus; subsoil moisture 70% adequate, 30% surplus. Oats 2% poor, 18% fair, 62% good, 18% excellent; oats headed 45%, 83% 1985, 44% avg. Winter wheat mostly good to fair. Hay 1% poor, 12% fair, 58% good, 29% excellent; 1st crop alfalfa harvested 60%, 95% 1985, 61% avg.; 1st crop clover harvested 25%, 58% 1985, 30% avg. Some yellow corn, nitrogen loss problems; corn emerged 99%, 100% 1985, 96% avg.; corn cultivated 1st time 40%, 78% 1985, 42% avg. Soybean planting progressed, some damping off occurring; soybeans emerged 78%, 98% 1985, 78% avg.; soybeans cultivated 1st time 10%, 29% 1985, 32% avg. Pastures mostly good to excellent, conditions ideal for growth. Livestock mostly good.

**KANSAS:** Precipitation 0.40 in. central, 0.50 to 1.00 in. elsewhere. Temperatures averaged 72 to 74° west and north central, 75 to 77° east and south central; normal north central, 1 to 3° above normal elsewhere.

Days suitable for fieldwork 3.5. Soil moisture 8% short, 70% adequate, 22% surplus. Wheat harvest full swing southern tier of counties. Leaf, stem rust infestations evident. Russian wheat aphid confirmed 27 counties. Corn planting complete, borer activity light. Sorghum, soybean planting good progress. Alfalfa 1st cutting complete, 2nd cutting 15%. Range, pasture improved by rain. Moisture remains short some areas.

**KENTUCKY:** Seasonably warm temperatures, few periods shower activity. Daily mean averaged mid 70s, normal mid-June. Rainfall amounts near normal, averaging 0.60 to 1.25 in.

Days suitable for fieldwork 1.9. Soil moisture 8% short, 41% adequate, 51% surplus. Western half mostly surplus. Corn growing well, earliest fields tasseling. Average height 33 in. Soybean planting delayed, wet fields. Emerged soybeans 3% very poor, 7% poor, 63% fair, 27% good. Burley tobacco 78% set, 91% 1985, 80% avg. Dark tobacco 72% set. Barley 30% harvested, wheat 4% harvested. Small grain yields poor to fair. Pasture 3% very poor, 7% poor, 35% fair, 47% good, 8% excellent.

**LOUISIANA:** Temperature 2° below to 1° above normal. Temperature extremes 62°; 95°. Rainfall averaged 0.40 to 5.90 in.

Days suitable for fieldwork 2.1. Soil moisture 25% adequate, 75% surplus. Corn good; 89% silked, 81% 1985, 64% avg.; 46% dough stage, 39% 1985, 26% avg. Cotton 62% squaring, 36% 1985, 21% avg. Rice 9% headed, 8% 1985, 6% avg. Sorghum 100% planted, 100% 1985, 94% avg.; 99% emerged, 100% 1985, 91% avg.; 11% headed, 19% 1985, 10% avg. Soybeans 84% planted, 90% 1985, 81% avg.; 77% emerged, 83% 1985, 73% avg. Sweetpotatoes good; 84% planted, 90%

1985, 84% avg. Winter wheat fair; 77% harvested, 98% 1985, 86% avg. Hay 1st cutting 73% complete, 91% 1985, 80% avg. Sugarcane, pasture good; vegetables, livestock fair to good. Main activities: Planting soybeans, sweetpotatoes; baling hay; harvesting winter wheat.

**MARYLAND & DELAWARE:** Maryland: Temperatures averaged 7° above normal over State; lowest temperature 45° Oakland; highest temperature 98° College Park, Patuxent. Precipitation averaged 0.52 in., ranging from 0.01 to 1.21 in.

Days suitable for fieldwork 6.4. Topsoil moisture very short to short; subsoil moisture very short to short. Small grains fair. Wheat 87% turned, 87% 1985, 70% avg. Oats 6% turned, 97% 1985, 71% avg. Rye 82% turned, 100% 1985, 94% avg. Barley 38% harvested, 77% 1985, 39% avg. Planting progress: Soybeans 55% planted, 71% 1985, 68% avg.; tobacco transplanted 73%, 96% 1985, 81% avg. Green peas 71% harvested, 82% 1985, 47% avg.

Delaware: Temperatures averaged 5° above normal over State; lowest temperature 51° Middletown, Georgetown, highest temperature 100° Milford. Precipitation averaged 2.46 in., ranging from 1.07 to 3.75 in.

Days suitable for fieldwork 5.6. Topsoil moisture short; subsoil moisture short. Small grains: Wheat fair, barley fair to good; rye good. Wheat 98% turned, 83% 1985, 78% avg. Barley 71% harvested, 48% 1985. Rye 80% turned, 50% 1985, 65% avg. Soybeans 62% planted, 60% 1985, 70% avg.

**MICHIGAN:** Temperatures ranged 1 to 3° above normal. Temperature extremes 37°; 86°. Precipitation ranged from 0.50 to 5.25 in.

Days suitable for fieldwork 3.0. Soil moisture 10% short, 40% adequate, 50% surplus. Corn 1% very poor, 4% poor, 25% fair, 50% good, 20% excellent. Cutworms, armyworms plague growers. Soybeans 90% planted, 100% 1985, 90% avg. Wheat 95% headed, 100% 1985, 80% avg.; 1% very poor, 9% poor, 20% fair, 50% good, 20% excellent. Dry beans 55% planted, 70% 1985, 55% avg. Major farm activities: Soybean, dry bean planting; hay cutting; spraying. Heavy rains halted planting, haying. Some flooding, soil erosion. Wetness slowed fruit, vegetable fieldwork. Strawberry harvest 15%. Asparagus harvest 95%.

**MINNESOTA:** Temperatures averaged near normal. Temperature extremes 40°; 95°. Precipitation averaged 0.73 in. below normal to 1.12 in. above normal. Greatest weekly total 3.68 in.

Days suitable for fieldwork 4.3. Topsoil moisture 9% short, 67% adequate, 24% surplus. Widespread showers helped germinate late seedings. Small grain crop development 10 days behind normal but current growth conditions ideal. Spring Wheat 2% heading, 8% 1985, 7% avg. Oats 97% emerged, 98% 1985, 99% avg.; 8% heading, 22% 1985, 10% avg. Barley 97% emerged, 98% 1985, 98% avg.; 1% heading, 8% 1985, 8% avg. Field corn variable development; low plant populations, uneven stands, scattered localities; weed control very active. Field corn 94% emerged, 98% 1985, 95% avg. Soybean development nearly on schedule. Soybeans 79% emerged, 88% 1985, 80% avg. Potatoes 98% planted, 98% 1985, 98% avg.

**MISSISSIPPI:** Temperatures 2° above normal, extremes 56°; 95°. Rain 3 to 4 days most areas. Greatest 24-hour 2.07 in.

Days suitable for fieldwork 2.4, 5.0 1985, 5.0 avg. Soil moisture 20% adequate, 43% surplus, 37% excessive. Rain delayed soybean planting, cultivating, spraying. Corn 11% fair, 70% good, 19% excellent; 40% silking, 37% 1985, 29% avg. Wheat 6% very poor, 37% poor, 41% fair, 16% good; 91% ripe, 100% 1985, 93% avg.; 42% harvested, 81%

1985, 56% avg. Sweetpotatoes 80% planted, 89% 1985, 82% avg. Peanuts 85% planted, 96% 1985, 94% avg. Watermelons 93% planted, 100% 1985, 99% avg. Hay 26% harvested, 48% 1985, 39% avg. Peaches 4% harvested, 21% 1985, 17% avg.

**MISSOURI:** Temperatures averaged 2° above normal. Daily highs 90s. Rainfall mostly 0.50 in. with southeast receiving up to 5.00 in. some areas, average 2.25 in. Northeast averaged 1.50 in. rainfall.

Days suitable for fieldwork 3.4. Soil moisture 6% short, 65% adequate, 29% surplus. Wheat turning color 94%. Soybeans mostly good to fair. Alfalfa 1st cutting 83%, 92% 1985, 75% avg. Other hay 45%, 52% 1985, 36% avg. Pasture 2% poor, 26% fair, 62% good, 10% excellent.

**MONTANA:** Moderate to heavy rain parts of south central, southwest, up to 2.50 in. North central very light, remainder moderate. Temperatures near normal first, above normal end. West averaged 6° above normal, remainder 2 to 5° above normal.

Days suitable for fieldwork 5.2. Topsoil moisture 21% short, 75% adequate, 4% surplus. Subsoil moisture 3% short, 93% adequate, 4% surplus. Barley growth, condition 13% fair, 76% good, 11% excellent. Oats 18% fair, 73% good, 9% excellent. Sugarbeets 60% thinned, 2% fair, 85% good, 13% excellent. Alfalfa hay harvested 10%, 10% 1985, 5% avg. Insect damage to crops compared with normal 35% light, 50% moderate, 15% severe. Stockwater supplies 95% adequate, 5% surplus.

**NEBRASKA:** Amounts averaged 1.00 to 3.00 in. Temperatures near normal. Temperature extremes 42°; 95°.

Days suitable for fieldwork 4.1. Topsoil moisture 4% short, 73% adequate, 23% surplus. Subsoil moisture 83% adequate, 17% surplus. Corn good to excellent. Producers hilling corn for irrigation. Sorghum emerged 90%, 96% 1985, 70% avg. Soybeans mostly good to excellent. Winter wheat mostly good. Wheat turning color 50%, 55% 1985, 25% avg. Wheat leafrust, septoria leaf blotch south, southeast. Rains aided western fields. Alfalfa mostly good to excellent. First cutting 75%, 95% 1985, 70% avg. Aphid damage caused earlier than planned harvest. Range pasture supplies mostly adequate to surplus.

**NEVADA:** Above normal temperatures recorded all areas. Dry extreme south, generally light precipitation other sections.

Alfalfa hay harvesting extended northward. Lack of precipitation ideal for hay harvesting purposes. Quality excellent. Ranges mostly good to excellent.

**NEW ENGLAND:** Precipitation 1.50 to 2.00 in. Vermont, southern New Hampshire, 0.50 to 0.75 in. Maine, 1.25 to 1.50 in. elsewhere. Temperatures ranged from mid 50° Canadian border to mid 60° south coast; near normal.

Days suitable for fieldwork 4.5. Soil moisture 5% short, 65% adequate, 30% surplus. Fieldwork generally on schedule. Grazing availability 5% short, 75% adequate, 20% surplus. Maine potatoes 97% planted, 100% 1985, 98% avg. Maine potato emergence 50%, 45% 1985, 60% avg. Field corn 95% planted, 95% 1985, 90% avg. good to excellent south, fair to good north. Sweet corn 90% planted, 90% 1985, 90% avg. Maine oats 100% emerged, condition excellent. Rains slowed haymaking. First crop hay 40% cut, 45% 1985, 35% avg.; condition good. Outdoor tobacco 80% transplanted. Apple set average; fruit drop, scab infection light to average. Major farm activities: Planting, haymaking, harvesting strawberries, peas, fertilizing, cultivating, spraying.

**NEW JERSEY:** Temperatures near normal. Extremes 44°; 96°. Rainfall averaged 1.52 in. north, 1.24 in. central, 1.48 in. south. Heaviest 24-hour total 3.01 in. on 11th, 12th. Estimated soil moisture percent field capacity averaged 90% north, 52% central, 46% south. Four inch soil temperatures averaged 67° north, 70° central, 72° south.

Beneficial rains received. Field crop prospects improved. Harvest of summer vegetable crops began. Harvest of strawberries finished south, increasing north. Blueberry harvest began. Field corn planting about complete. Soybean planting active, will continue following harvest of fall sown grains. Hay fields, pastures need more rain for continued good growth.

**NEW MEXICO:** Average temperatures near normal. Temperatures 30° northern mountains to 101° southern desert, southeastern plains. Precipitation over eastern plains. Precipitation none to 1.10 in. northeastern plains.

Days suitable for fieldwork 5.4. Soil moisture 46% short, 36% adequate, 18% surplus. Hail damage 50% none, 30% light, 20% moderate. Alfalfa 11% poor, 22% fair, 67% good. Corn 13% fair, 87% good. Barley 29% fair, 71% good. Irrigated grain sorghum 50% fair, 50% good. Dryland grain sorghum 50% fair, 50% good. Pecans 100% good. Apples 20% poor, 80% good. Onions 100% good, shipments continued. Chile 20% fair, 80% good. Cattle 18% fair, 82% good. Sheep 10% fair, 90% good. Range 9% poor, 64% fair, 27% good.

**NEW YORK:** Temperatures below normal lack of sunshine and abundance of rain. Temperatures averaged from mid 50s to mid 60s readings near 70° around New York City and Long Island. Rainfall above normal 1.50 to 2.50 in. Under 1.00 in. over Southeast from Poughkeepsie to Bridgehampton.

Days suitable for fieldwork 2.5. Soil moisture surplus to excessive. Corn planting essentially complete. First cutting alfalfa hay 25% harvested, 30% 1985, 20% avg. Clover-timothy hay 18% harvested, 18% 1985, 13% avg. Grass silage 36% harvested, 36% 1985, 21% avg. Good regrowth on harvested fields. Wheat headed out, grain started to fill. Early oats began to head out. Planting of beets, carrots, cabbage, sweet corn, peppers, and tomatoes nearly complete. Green pea harvest underway. Pasture good.

**NORTH CAROLINA:** Temperatures averaged 3 to 4° above normal. Mountain Region; 7° above normal, Piedmont, Coastal Plain Regions. Temperature extremes 52°; 104°. Precipitation ranged from none to 3.35 in. across State.

Days suitable for fieldwork 6.0. Soil moisture 32% very short, 54% short, 14% adequate. Corn mostly fair to good, leaves twisting. Small grains mostly fair. Cotton mostly fair to good. Soybean planting average, mostly fair to good. Dry weather affecting stands. Tobacco in fields 2% poor, 43% fair, 52% good, 3% excellent. Transplanting burley tobacco 85%, 92% 1985, 85% avg. Peanuts 14% poor, 62% fair, 24% good. Sorghum 75% planted, 73% 1985, 75% avg. Sweetpotatoes 80% planted, 86% 1985, 84% avg. Irish potatoes 14% poor, 62% fair, 24% good. Apples 23% poor, 54% fair, 23% good. Hay 24% poor, 61% fair, 15% good. Truck crops 4% poor, 56% fair, 40% good. Pasture 33% poor, 49% fair, 18% good. Major farm activities: Planting soybeans, sorghum, vegetables; transplanting burley tobacco, sweetpotatoes; land preparation; cultivating corn, tobacco, peanuts, soybeans; sidedressing corn, tobacco; cutting hay; spraying apples; harvesting small grains, cabbage, truck crops; tending livestock; mowing; applying pesticides; general maintenance.

**NORTH DAKOTA:** Warm; periods of scattered showers, thunderstorms. Temperatures near normal. Low 35°

north central 14th, high 97° east central 9th. Rainfall averaged 0.60 southwest to 0.10 northeast.

Days suitable for fieldwork 6.4. Soil moisture decreased from last week despite scattered showers. Topsoil moisture 36% short, 64% adequate. All small grains mostly good. Hard red spring wheat, durum over 90% good to excellent. Grasshopper problems west. Crops developing normal pace. Hard red spring wheat jointing and beyond 49%, 76% 1985, 49% avg.; durum wheat jointing and beyond 32%, 58% 1985, 35% avg.; barley jointing and beyond 58%, 80% 1985, 56% avg. Planting of row crops slightly ahead of average; nearly complete. Pasture growth 16% fair, 79% good, 5% excellent. Spraying, haying main activities.

**OHIO:** Temperatures 1 to 4° above normal. Precipitation widespread, variable ranging from 0.50 in. central, north central to 4.00 in. east.

Fieldwork 2.6 days suitable. Soil moisture 7% short, 48% adequate, 45% surplus. Farm activities included planting, cultivating, spraying, sidedressing, harvesting strawberries, vegetables. Corn good; average development 8 leaves unfurled. Soybeans good; rain delayed planting progress, made herbicides ineffective. Winter wheat good; fungus, disease identified. Rains delayed hay cutting, curing; quality down. Hay, pastures fair to good. Tobacco transplanting 80% complete. Strawberry picking 50% complete.

**OKLAHOMA:** Temperatures averaged 1° below normal Panhandle to 2° above normal northeast. Precipitation averaged 0.23 in. east central to 1.86 in. west central.

Days suitable for fieldwork 2.9. Topsoil moisture 55% adequate, 45% surplus. Subsoil moisture 3% short, 97% adequate. Wheat 60% fair, 40% good; 100% headed, 100% 1985, 100% avg.; 35% harvested, 80% 1985, 40% avg. Wet fields hampered harvest, reduced quality. Weedy fields hampered combining. Sorghum 35% fair, 60% good, 5% excellent; 50% planted, 85% 1985, 80% avg. Cotton 25% fair, 50% good, 25% excellent; 60% planted, 95% 1985, 80% avg.; none squaring, 5% 1985, 1% avg. Row crop plantings increased only slightly due to wet fields, wheat harvest. Flooding caused replanting east. Pastures good to excellent; no short forage supplies reported. Cattle marketings average, prices steady to slightly higher.

**OREGON:** First, last day of week had near normal temperatures; midweek warm spell made average well above normal. Coast 2 to 5° above normal; western interior, eastern portions 4 to 10° above normal. Statewide no precipitation until weekend. Coast 0.10 to 0.40 in.; northern interior up to 0.10 in., Medford 0.40 in. with thunderstorm. Isolated thunderstorms numerous eastern locations brought light rain; many locations little or no precipitation.

Soil moisture 76% short, 24% adequate. Grain crops good west. Eastern areas lack of moisture a problem; spring crops, shallow soils most critical. Spring grain planting completed, herbicide spraying continued at high eastern elevations. Willamette Valley grass seed crops maturing rapidly. Hay crops maturing rapidly; 1st cutting started, above average yields eastern high country. Strawberry harvest continued; warm weather hastening season end. Cherry picking began The Dalles; quality excellent. Pear, apple thinning underway Hood River, most orchardists irrigated. Raspberry picking started southern Willamette Valley, Evergreen blackberries in bloom. Cranberry bloom near finished Stevens, Crowley varieties; peak on McFarlin. Excellent plant growth, good pollination due to warm weather. Some growers sprinkled for heat control. Western vegetable fields show good growth, irrigation systems ran near capacity. Early broccoli being harvested. Green pea harvest

continued strong. Sweet corn planting complete. Irrigated vegetable crops have good growth at Hermiston. Malheur County potatoes closing rows, good condition; onions good condition. Livestock good to excellent. Pastures, ranges fair to good west of Cascades; growth slowed rapidly, rain needed to avoid early dryout. Lower ranges drying east; grass higher elevations look very good, should be good grass year. Several eastern counties planning grasshopper spraying programs.

**PENNSYLVANIA:** Warm, wet week. Heavy rains across portions of western, central regions. East slightly above normal rainfall. Average temperature 68°, 2° above normal. Temperature extremes 38°, 95°. Average precipitation 1.62 in., 0.62 in. above normal.

Days suitable for fieldwork 3.0. Soil moisture 15% short, 49% adequate, 36% surplus. Corn 98% planted, 99% 1985, 94% avg. Corn 4% poor, 18% fair, 53% good, 25% excellent. Average corn height 12 in., 11 in. 1985, 8 in. avg. Soybeans 83% planted, 83% 1985, 73% avg.; 3% poor, 35% fair, 50% good, 12% excellent. Barley 31% headed, 45% turning yellow, 23% ripe, 1% harvested; 1985 45% headed, 43% turning yellow; 12% ripe. Wheat 77% headed, 23% turning yellow; 1985 73% headed, 25% turning yellow; 2% ripe. Wheat 1% poor, 15% fair, 55% good, 29% excellent. Oats 100% heading; 1985 98% heading, 2% turning yellow. Oats 2% poor, 19% fair, 56% good, 23% excellent. First cutting alfalfa 72% complete; 1985 61%. Second cutting alfalfa 14% complete; 1985 6%. First cutting clover-timothy 54% complete; 1985 38%. Quality of hay fair to good. Feed from pastures average. Activities: Harvesting strawberries; sidedressing corn; making hay, haylage; planting soybeans; harvesting barley, sweet cherries; transplanting tobacco; weed control activities.

**PUERTO RICO:** Island average rainfall 1.25 in., 0.07 in. below normal. Highest weekly total 5.24 in. Highest 24-hour total 2.65 in. Temperature averaged about 75 to 80° interior divisions. Mean station temperature ranged from 67 to 83°. Extremes 56°, 93°. Total rainfall 0.48 in., minus 0.61 in.

**SOUTH CAROLINA:** Temperatures 3 to 5° above normal. Rainfall across State from widely scattered showers. Some areas wet, others extremely dry.

Days available for fieldwork 5.6. Soil moisture 39% very short, 46% short, 15% adequate. Cotton 40% poor, 57% fair, 3% good; 100% planted, 100% 1985, 100% avg.; 18% squaring, 46% 1985, 40% avg. Corn fair; 43% silked, 55% 1985, 38% avg. Tobacco fair; 9% topped, 17% 1985, 23% avg. Peanuts fair; 96% planted, 100% 1985, 100% avg. Soybeans 19% poor, 57% fair, 24% good; 64% planted, 68% 1985, 69% avg. Peaches fair to good; 26% harvested, 17% 1985, 13% avg. Wheat fair; 69% harvested, 76% 1985, 60% avg. Barley, oats, rye, pastures poor to fair.

**SOUTH DAKOTA:** Average temperatures 4° below to 3° above normal. Extremes 40°, 88°. Black Hills low 30°. Precipitation 2.00 to 4.50 in. south central and southwest; 1.00 to 3.00 in. north; less than 1.00 in. southeast.

Days suitable for fieldwork 2.5. Topsoil moisture mostly adequate; surplus east central, southeast, and south central; 48% adequate, 52% surplus. Rain early week slowed fieldwork, row crop planting 1 to 2 weeks behind normal. Most crops good to excellent. Grasshoppers hatching; tan spot showed on winter wheat. Range, pastures mostly excellent. Livestock good. Feed, stock water/supplies adequate.

**TENNESSEE:** Daily rainfall until 12th. Amounts 1.00 in common. Temperatures normal.

Days suitable for fieldwork 2.1. Soil moisture 1% very short, 15% short, 35% adequate, 49% surplus. Corn 13% tasseling, 13% 1985, 3% avg.; 3% very poor, 19% poor, 42% fair, 34% good, 2% excellent. Cotton 99% planted, 100% 1985, 100% avg.; 8% squaring, 8% 1985, 6% avg.; 10% poor, 35% fair, 36% good, 18% excellent. Sorghum 85% planted, 85% 1985; 5% very poor, 7% poor, 51% fair, 34% good, 3% excellent. Soybeans 45% planted, 70% 1985, 60% avg. Wheat 80% ripe, 85% 1985, 70% avg.; 5% harvested, 25% 1985, 15% avg. Tobacco 75% transplanted, 97% 1985, 89% avg.; 2% very poor, 13% poor, 52% fair, 33% good. Cattle good. Pastures fair.

**TEXAS:** Weak Pacific front triggered showers, thunderstorms Panhandle, north central, central first portion week. Front drifted central 11th became stationary. Area showers moved north central to coast, ahead frontal boundary. Only Panhandle, north felt slight cooling behind system. Daytime, summer-like coastal showers, rest State dried out. East, south central, south, Lower Rio Grande Valley above normal precipitation. Remaining areas below normal amounts. Temperatures near normal over most State, except Trans-Pecos, east above normal.

**Crops:** Small grain harvest resuming Plains, Cross-Timbers midweek. Early test weights good. Recent hail, heavy rains lowered yields. Most harvesting completed Blacklands; remaining fields wait additional rain delayed harvest. Some sprouting occurring. Turning color 98%, 98% 1985, 91% avg. Corn showing good growth, progress across State adequate moisture. Most northern, central fields dough stage, fields east, south, Valley, Coastal Bend dent stage. Fields south, Valley could use some sunny, open weather. Silked 61%, 56% 1985. Doughing 44%, 34% 1985. Dented 10%, 14% 1985. Grain sorghum planting resuming Plains midweek. Early planted fields good stands good moisture conditions. Fields Blacklands, central showing good progress, most fields headed out. Fields south central, south turning color. Additional sunshine beneficial. Fields Rio Grande Valley, parts Coastal Bends beginning to mature, some early harvest possible Valley next week. Headed 51%, 46% 1985, 46% avg. Turning color, 28%, 18% 1985, 20% avg. Mature 2%, 2% 1985, 2% avg. Cotton planting active again Plains, Cross-Timbers midweek. Excessive moisture caused seedling diseases. Some replanting may be necessary. Bolls setting most other areas. Heavy rainfall last week some fruit shedding. Additional sunshine help most areas. Setting bolls 7%, 8% 1985, 8% avg. Rice fields good progress Upper Coast. Fertilization continued some areas. Many fields heading out. Peanut planting slow resume wet conditions. Planted fields up to stands. Some wilt south fields. Excessive rains last couple weeks caused some additional replanting. Planted 49%, 74% 1985, 56% avg.

**Other Field Crops:** Soybeans 61% planted, 62% 1985, 61% avg. Sunflowers 57% planted, 80% 1985, 70% avg. Oats 49% harvested, 68% 1985, 59% avg.

**Commercial Vegetables:** Rio Grande Valley, harvest continued tomatoes, melons wet conditions stalled field activities last week. San Antonio-Winter Garden producers harvesting some melons, tomatoes, cucumbers despite wet conditions. Recent rains lowered onion quality. Laredo, onion harvest about complete. Melon harvest continued. East, harvest slow; some volumes sweet corn, tomatoes, squash, beans available. Disease problems on rise too much rain. High Plains onions, potatoes good progress despite damaging rain, hail. Potato digging again occurring Knox-Haskell area. Trans-Pecos cantaloups blooming, making good growth. Onion harvest continued Presidio area. Some replanting cantaloups may be necessary. Excessive moisture caused some chili wilt. Early peach

varieties picked, some later varieties now coming off good quantities. Quality remains good. Pecan trees good; nut sets varied. Spraying occurring. Aphid populations increasing. Casebearer problems causing some droppage.

**Range and Livestock:** Native, improved pastures continued show good progress last week. Both growth, greening increasing. Hay cutting slow east, some grasses deteriorate before producers able to cut it. Livestock good, cattle suffering from lice, ticks, hornflies untreated herds. Sheep market remains strong.

**UTAH:** Temperatures normal. Precipitation none to moderately heavy mountains.

Days suitable for fieldwork 6.5. Topsoil moisture 70% short, 30% adequate. Crop development generally one week ahead of schedule. Winter wheat 76% headed, 61% 1985, 59% avg.; spring wheat 60% headed, 42% 1985, 40% avg.; barley 58% headed, 50% 1985, 35% avg.; oats 68% jointed or better, 56% 1985, 41% avg. Corn 95% emerged, 99% 1985, 83% avg. Corn height 8 in. Alfalfa 1st cutting 61% complete, 60% 1985, 36% avg. Grass hay harvest 23% complete. Cherry harvest beginning north, complete extreme south. Apricot harvest underway south, peach harvest near. Pasture, range feed good to excellent, moisture needed. Livestock good to excellent. Main farm activities: haying, irrigation, livestock movement, cultivation, spraying fields, orchards.

**VIRGINIA:** Warm, humid. Spotty afternoon thunderstorms. Precipitation range trace to 1.58 in. Average light, 0.25 to 0.50 in. Temperatures 7 to 8° above normal.

Days suitable for fieldwork 5.6. Soil moisture 71% short, 29% adequate. Areas north, southeast extremely dry. Moisture still adequate southwest. Corn fair; planting nearly complete. Fields east under stress, uneven growth, twisting. Southeast corn beginning to silk. Soybean planting slow, 59% complete, 70% 1985, 66% avg. Germinating fields fair, too dry to spray herbicides. Peanuts good to excellent. Flue-cured tobacco transplanting complete; good to excellent; irrigation increasing. Burley tobacco transplanting slow, 64% complete, 96% 1985, 88% avg. Seedlings scarce. Fields fair. Fire-cured tobacco transplanting almost complete; mostly fair. Apples mostly good, some excellent. Barley harvest 54% complete, 52% 1985, 56% avg. Wheat harvest 20% complete, 24% 1985, 18% avg. Oat harvest 38%

complete, 32% 1985, 32% avg. Irrigated vegetables mostly good. Non irrigated potatoes poor. Pastures vary, very poor east to good southwest. Some feeding hay due to inadequate pastures. Alfalfa hay fair, other hay very poor to fair. First cutting poor many areas, regrowth slow.

**WASHINGTON:** Warm, dry across State. Average temperatures 3 to 9° above normal. Precipitation none to 0.23 in.

Days suitable for fieldwork 6.8. Soil moisture 55% short, 45% adequate. Wheat, barley mostly fair to good. Range, pasture 20% short, 80% adequate. Grasshoppers reported east central rangeland. Cherry harvest continued, strawberries began.

**WEST VIRGINIA:** Temperatures 2 to 5° above normal. Temperature extremes 45° Greenbank; 95° Williamson. Precipitation 0.10 to 0.53 in. below normal, except northwestern division 0.07 in. above normal. Average precipitation 0.60 in.

Days suitable for fieldwork 4.1. Soil moisture 19% very short, 28% short, 50% adequate, 3% surplus. Feed supplies 25% short, 70% adequate, 5% surplus.

**WISCONSIN:** Temperatures averaged 64°, 2° below normal; low 41°, high 86°. Rainfall range 0.50 to 1.40 in. Helpful to dry topsoil. Still 1.00 to 3.30 in. below normal since April 1.

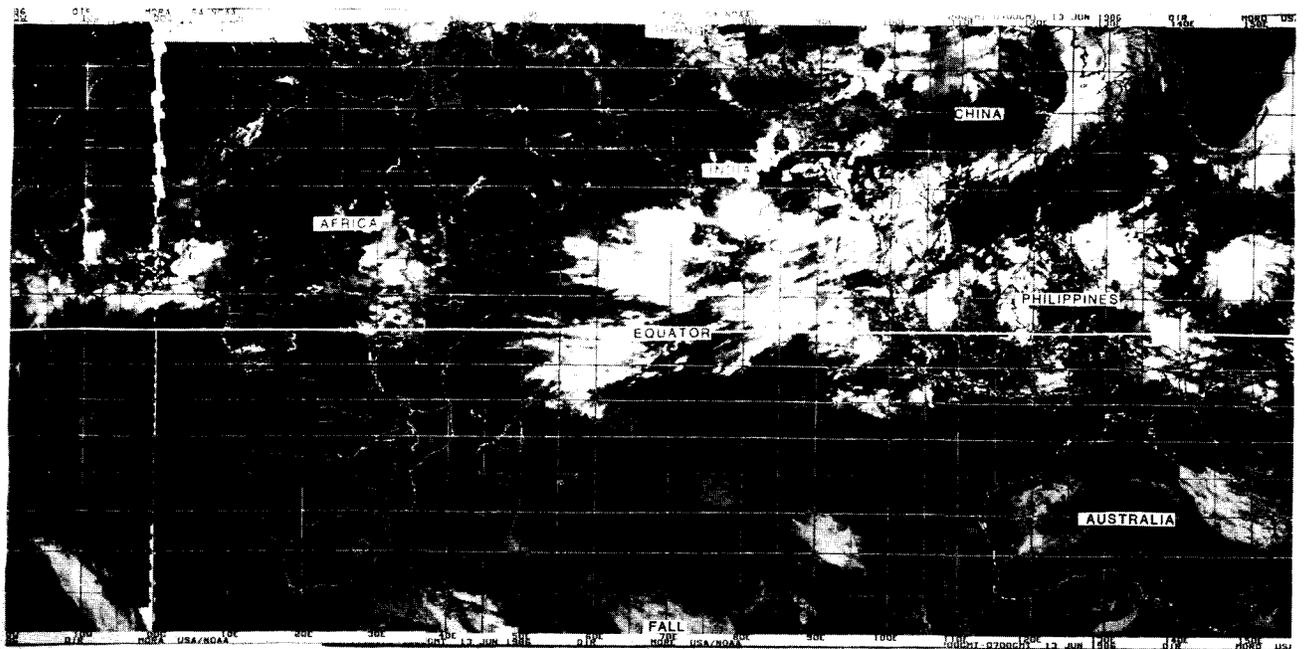
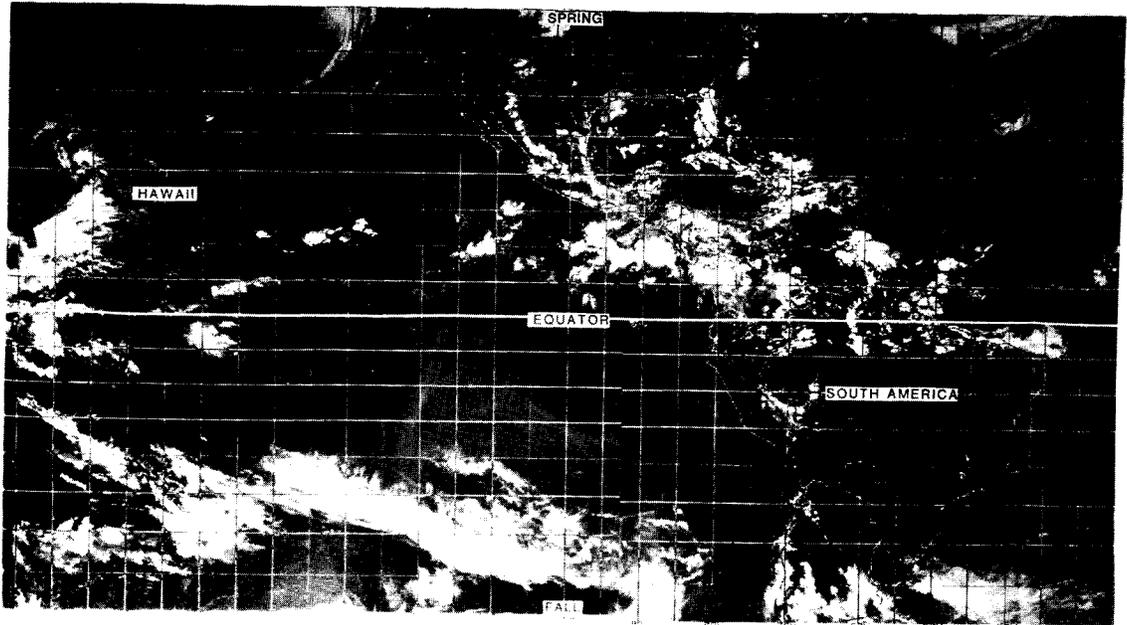
Days suitable for fieldwork 3.3. Soil moisture 32% short, 64% adequate, 4% surplus. Corn planted 100% 1985, 100% avg. Corn 1% very poor, 2% poor, 18% fair, 69% good, 10% excellent. Soybeans planted 90%, 99% 1985, 92% avg. First cutting hay 58%, 69% 1985, 40% avg. Hay cutting slowed by rain. Yields very good. Quality varied, generally good. Oats headed 15%, 20% 1985, 9% avg. Oats shorter than normal, central. Rain aided growth, cool temperatures slowed corn. Potatoes look good.

**WYOMING:** Warm, wet week. Temperatures averaged 2° above normal. Precipitation well above normal.

Days suitable for fieldwork 5.0. Topsoil moisture 20% short, 72% adequate, 8% surplus. Spring wheat emerged 100%, 95% 1985. Oats emerged 95%, 95% 1985. Barley emerged 95%. Corn emerged 85%, 90% 1985, 85% avg. Potatoes emerged 75%, 85% 1985, 70% avg. Dry beans planted 90%, 95% 1985, 85% avg.; emerged 60%, 80% 1985, 50% avg. Sugarbeets thinned 50%, 75% 1985. Winter wheat 5% not jointed, 15% jointed, 30% boot, 50% headed; fair to mostly good. Livestock mostly good. Ranges, pastures 15% fair, 80% good, 5% excellent. Livestock moved to summer ranges: Cattle 75%; sheep 75%.

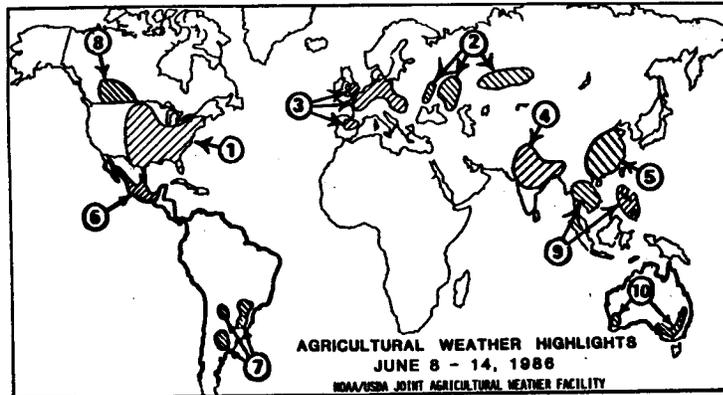
# Global Weather Satellite Image

JUNE 13, 1986



## International Weather and Crop Summary

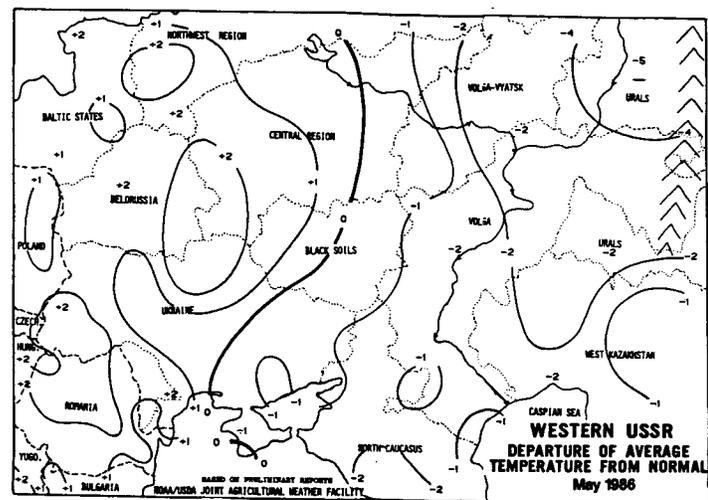
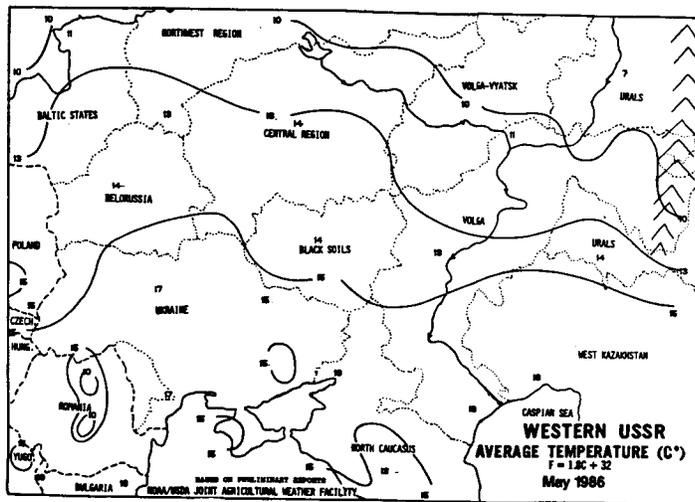
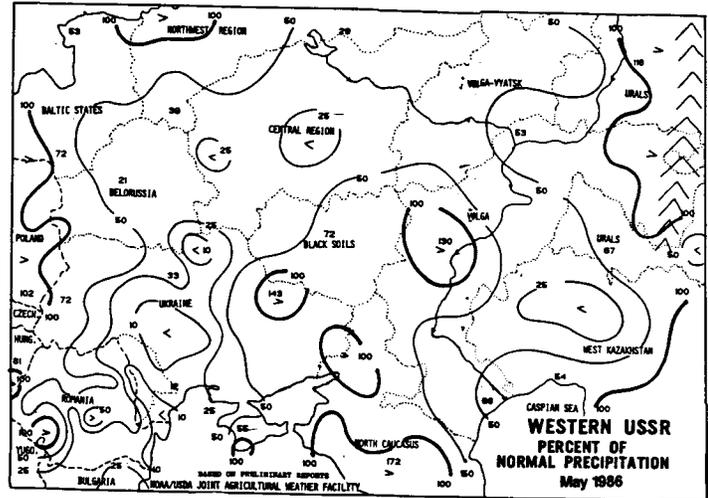
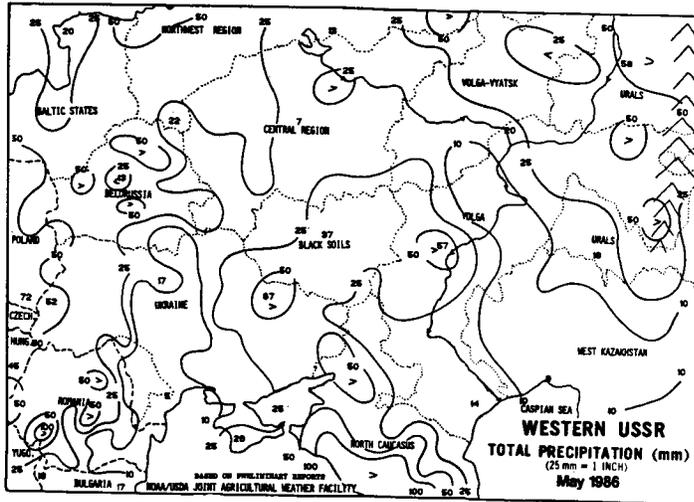
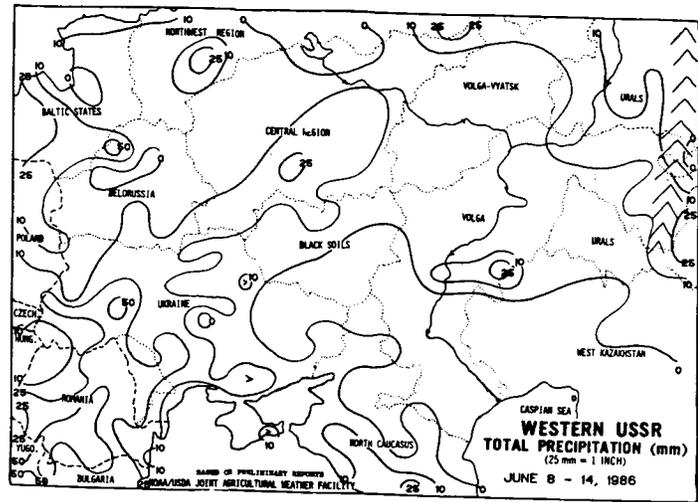
June 8 - 14, 1986



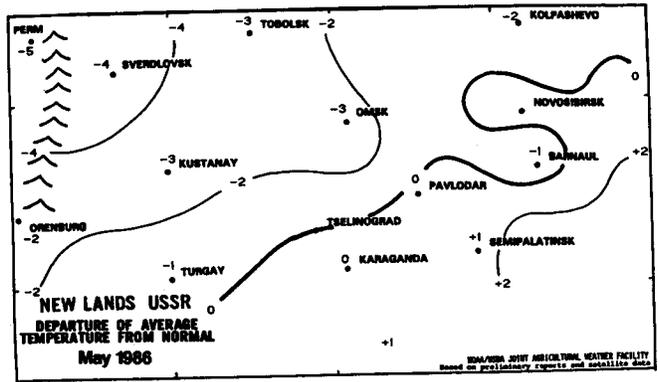
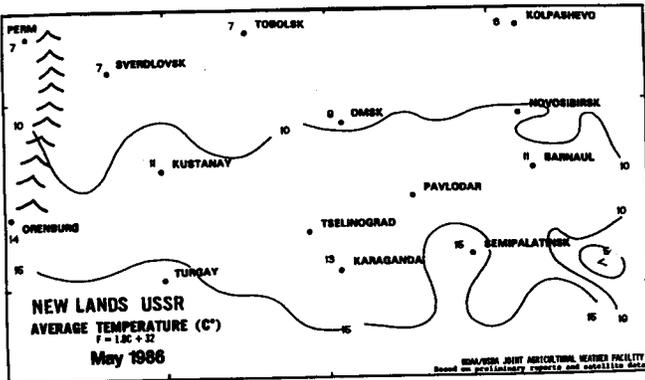
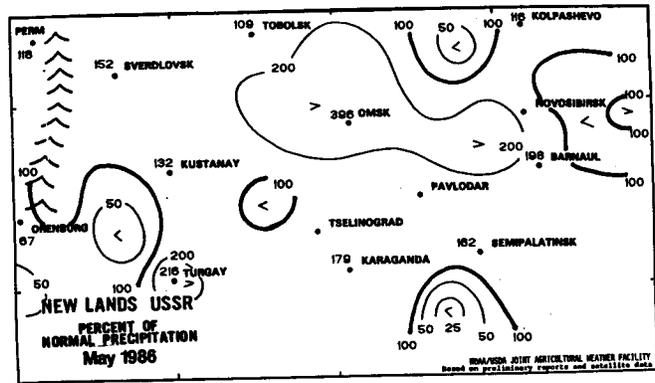
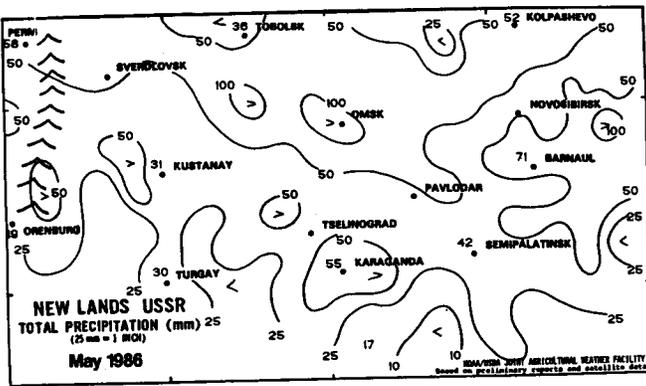
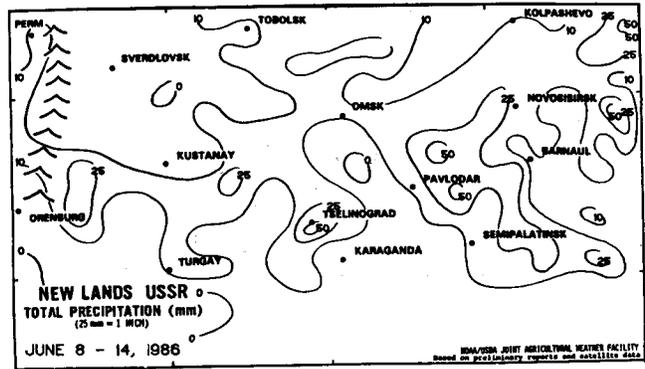
### HIGHLIGHTS:

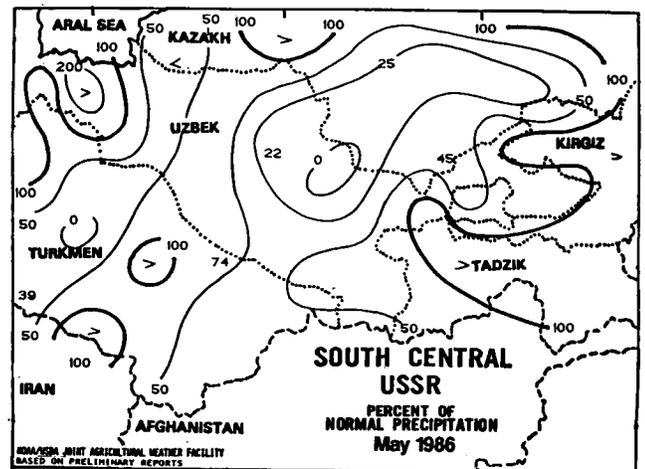
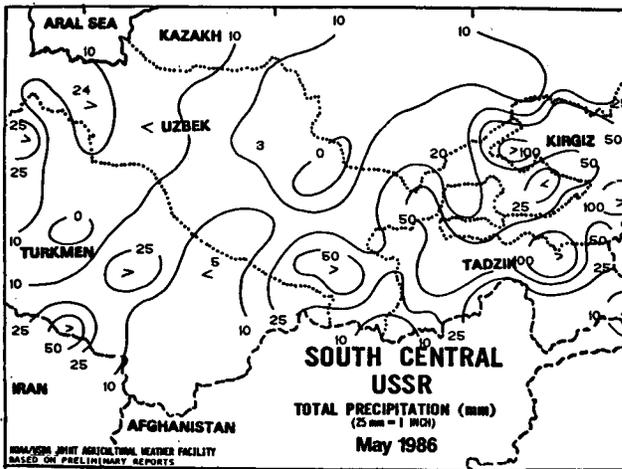
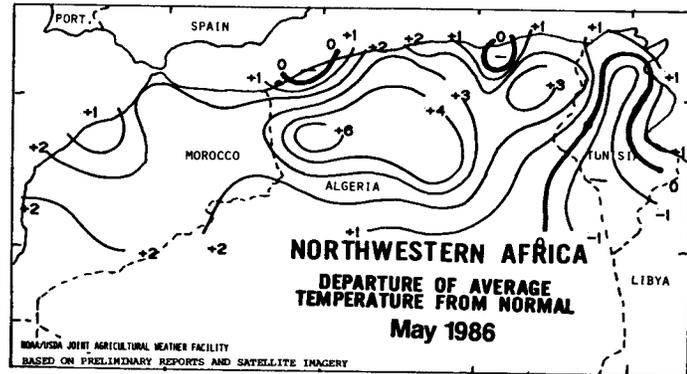
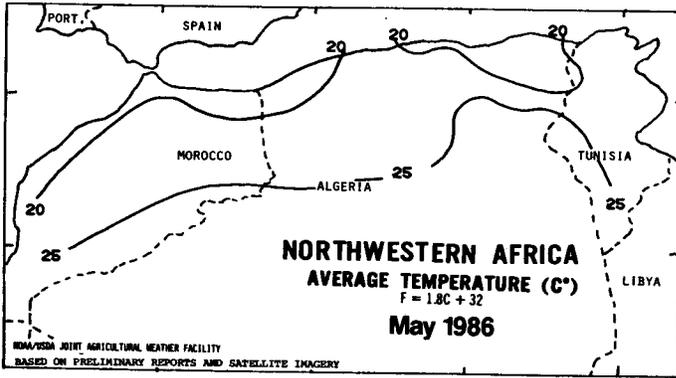
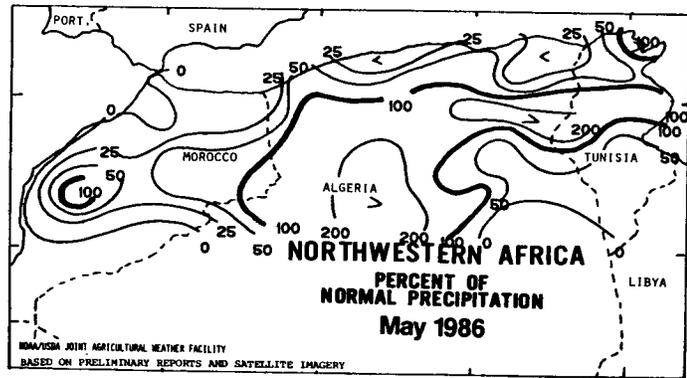
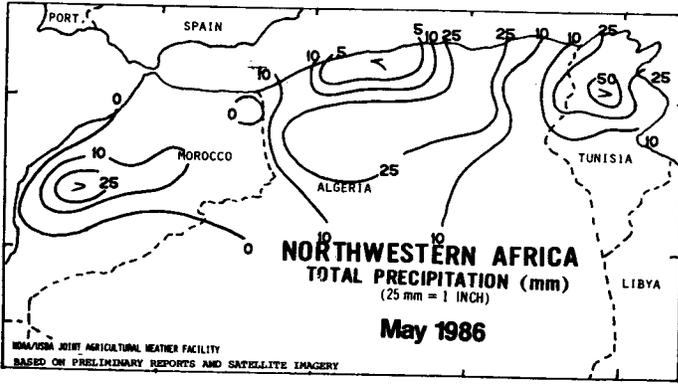
1. UNITED STATES ... Rain slows field activities east of the Rocky Mountains, but provides much needed moisture in the Southeast. Excessive moisture causes replanting of cotton in Oklahoma and Texas and disease and fungus in wheat in the Corn Belt and central Great Plains.
2. U.S.S.R. ... Hot, dry weather adversely affects crop development in the eastern Ukraine, northern North Caucasus, eastern Black Soils, and Volga Valley. In the New Lands, showers maintain adequate moisture for early crop growth.
3. EUROPE ... Rain benefits winter grains in the Balkan peninsula. Drier weather favors crops in northern Europe. Unfavorably dry weather continues in Spain's grain areas.
4. SOUTH ASIA ... Monsoon rain benefits rice, cotton, and groundnut planting in the southwest.
5. EASTERN ASIA ... Beneficial rain falls in the North China Plain, improving conditions for cotton, corn, and soybeans. Moisture is adequate for rice.
6. MEXICO ... Substantial rain helps corn establishment across the Southern Plateau corn belt.
7. SOUTH AMERICA ... Mostly dry, mild weather prevails over Argentina and Brazil's center-south. Wheat planting is underway.
8. CANADA ... Showers benefit spring-sown crops across the Prairies.
9. SOUTHEAST ASIA ... Moisture is adequate for most rice areas. Dry weather is unfavorable in part of the Thai corn region.
10. AUSTRALIA ... Unfavorably dry weather continues in the east, delaying wheat planting. Moisture is adequate for wheat establishment in the west.

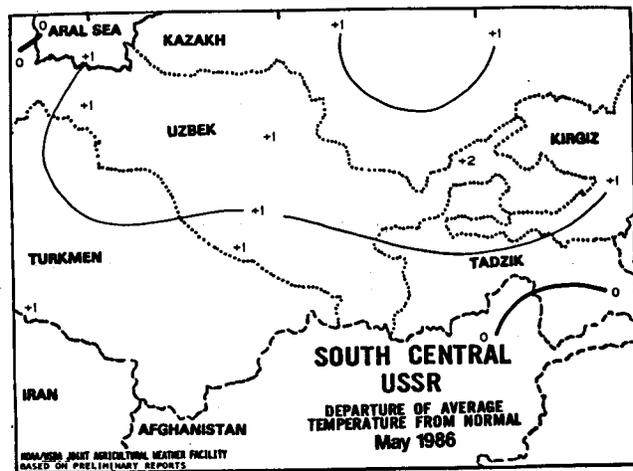
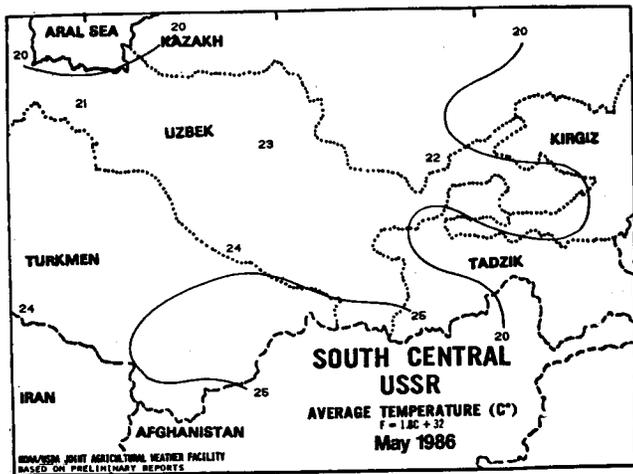
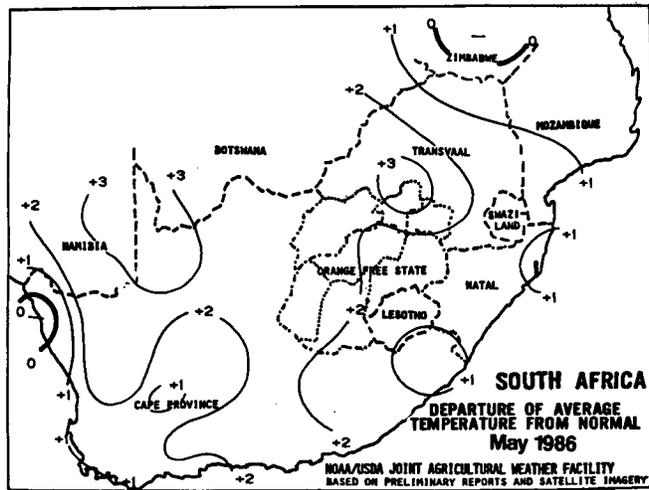
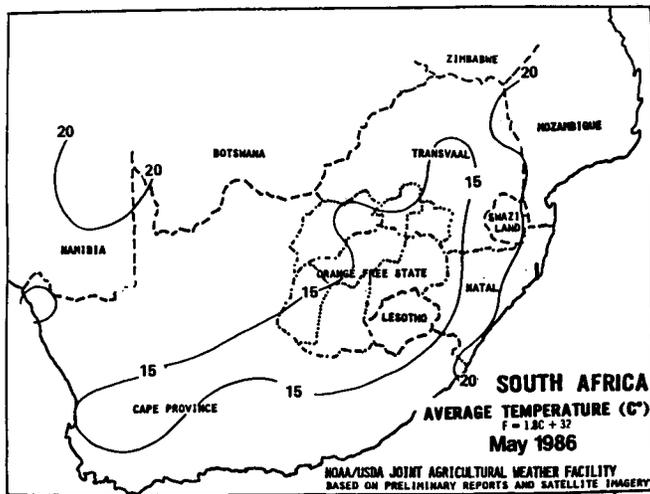
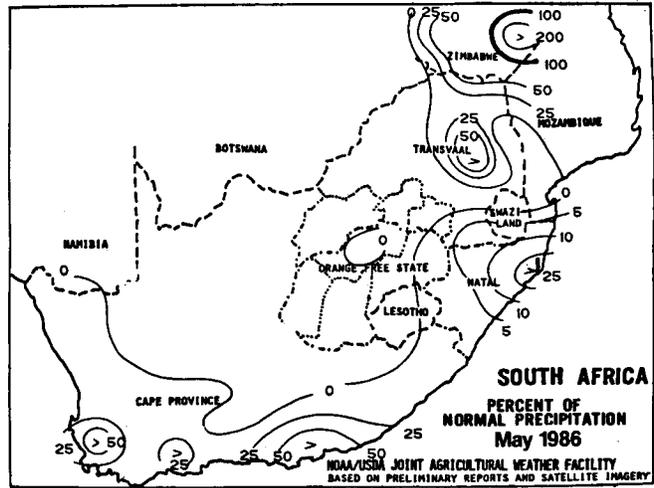
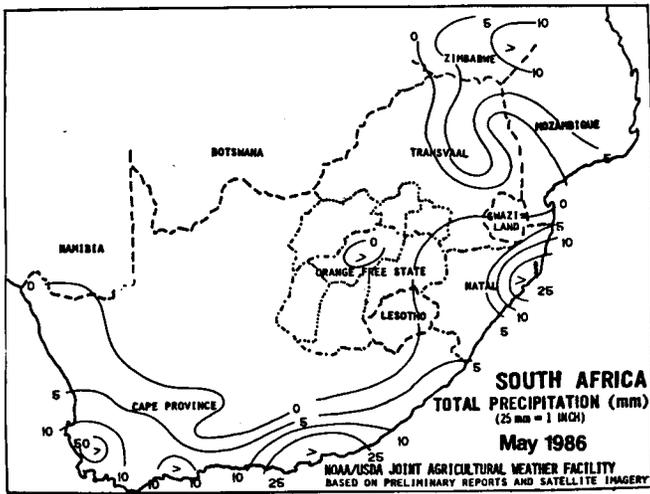
**WESTERN U.S.S.R. ...** Dry, warm weather prevailed over the eastern Ukraine, North Caucasus, eastern Black Soils, and Volga Valley, with maximum temperatures averaging around 32 degrees C. Showers continued in the western Ukraine extending into southeastern portions of the Central Region. May precipitation was below normal throughout most of European U.S.S.R., creating unfavorable conditions for crop growth. Temperatures rose during May from below normal early in the month to above normal by month's end. From late May through last week, unfavorable hot, dry weather has covered the northern North Caucasus, eastern Black Soils, and the Volga, stressing winter wheat in the highly weather sensitive reproductive and grain formation stages. The hot weather spread into the eastern Ukraine this past week, accompanied by winds ranging from 10 to 20 knots. Spring grains are now entering the heading stage, adversely affected by heat and dryness.



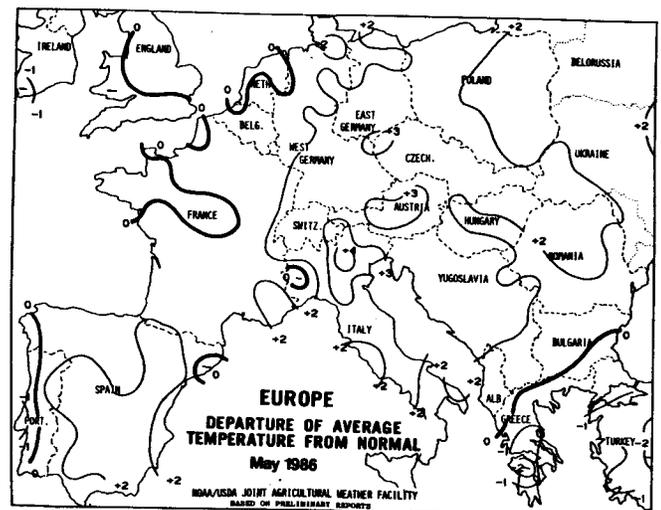
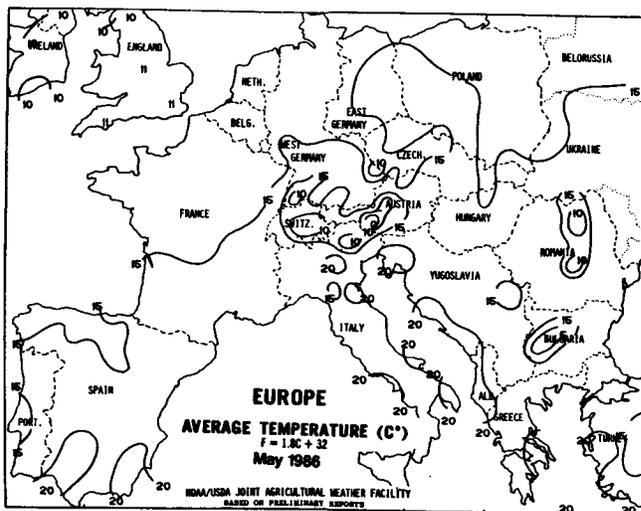
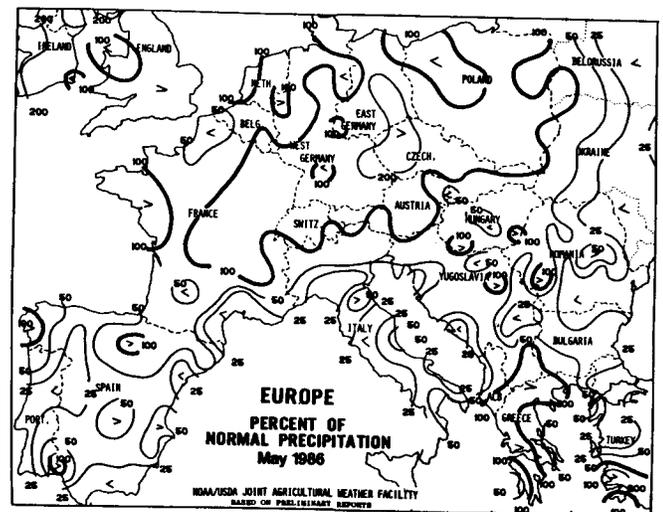
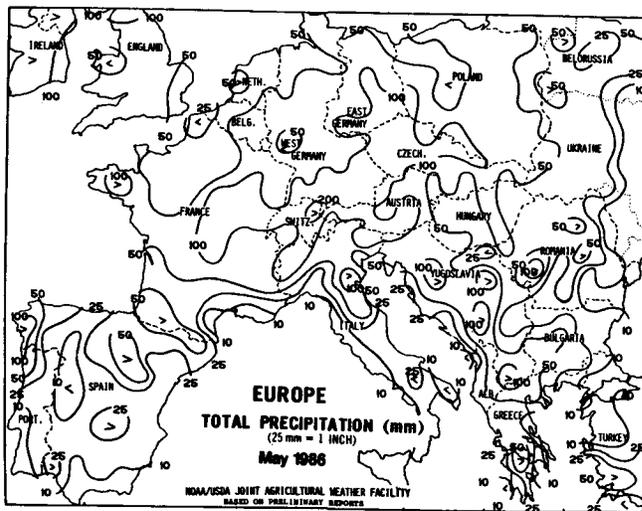
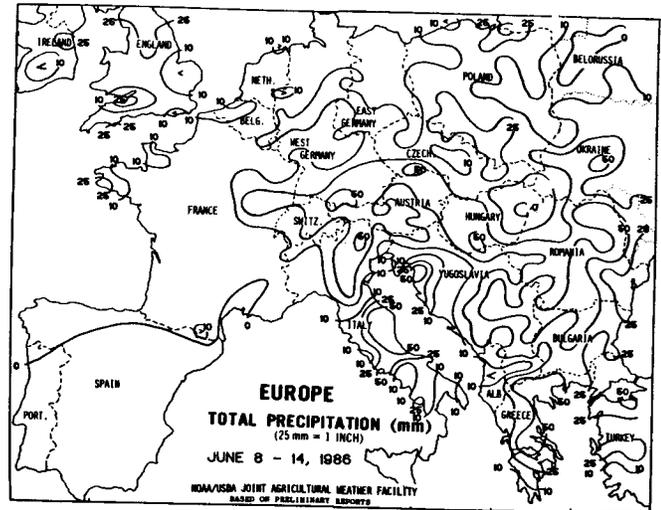
**New Lands ...** Showers fall over the entire region, with mostly light weekly amounts (less than 10mm) in the west and substantial amounts (10 to 50mm) in much of the east. Previously dry crop areas between Orenburg and Kustanay benefited from weekly totals averaging about 10 to over 30mm. Spring grain sowing took place during May under mostly favorable weather conditions. Above-normal precipitation in most areas provided adequate topsoil moisture needed for uniform crop emergence and establishment. May temperatures averaged below normal especially in the northwest. Cool weather has persisted into early June.



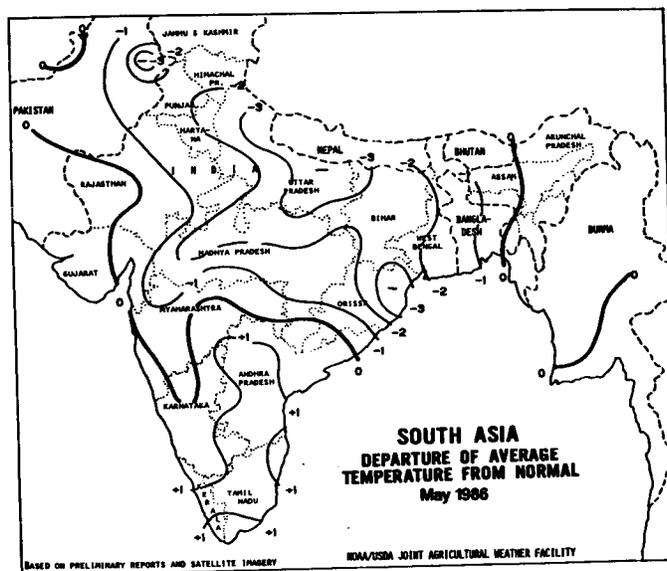
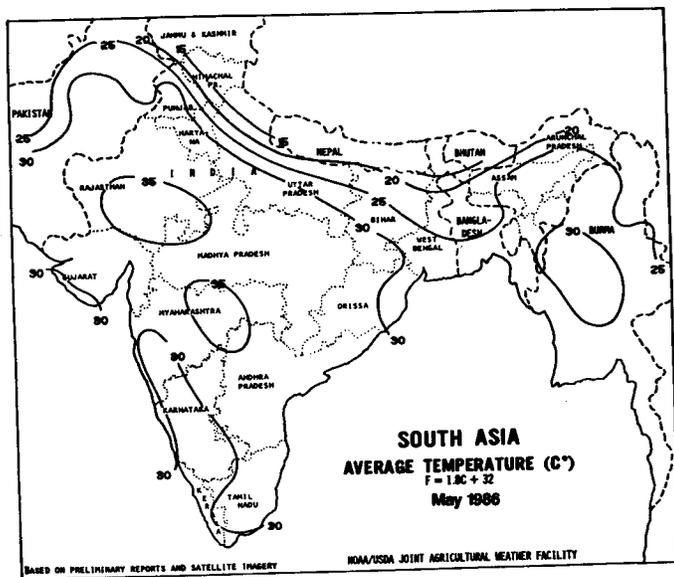
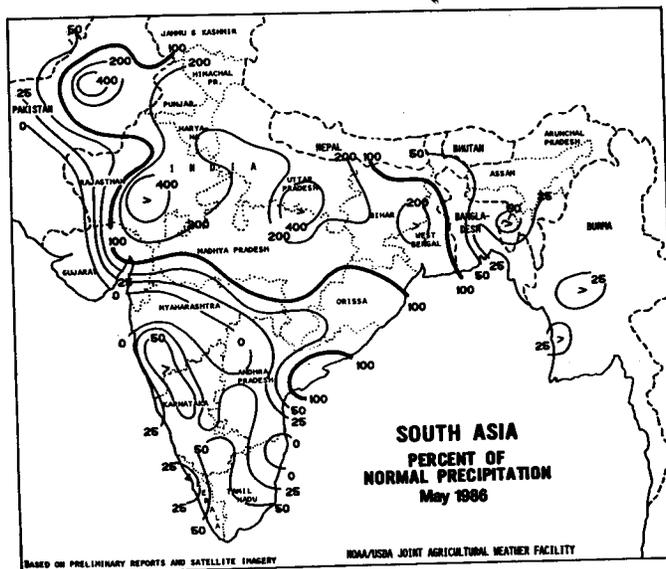
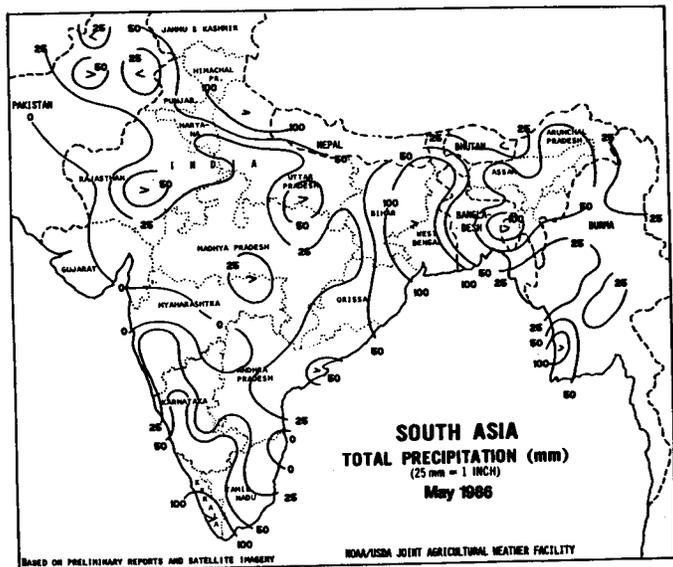
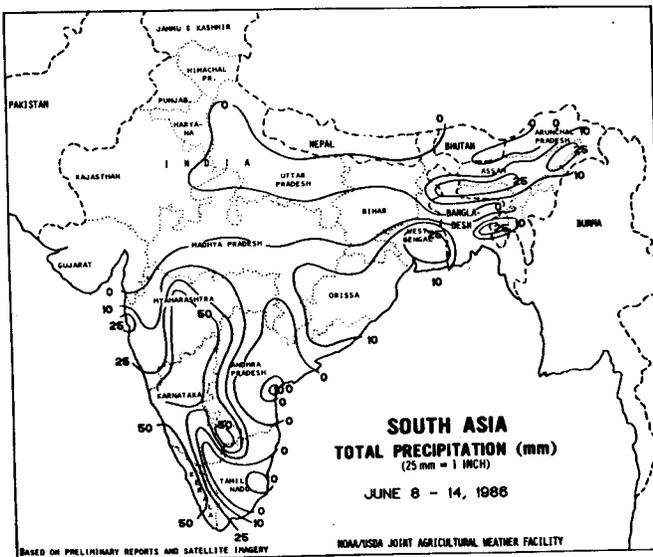




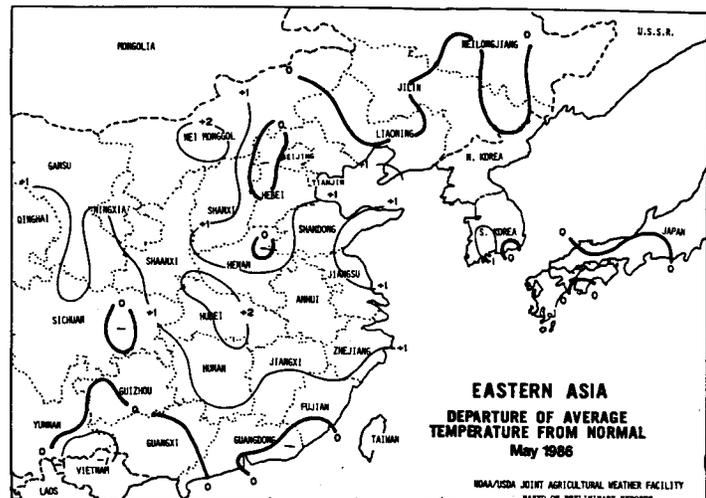
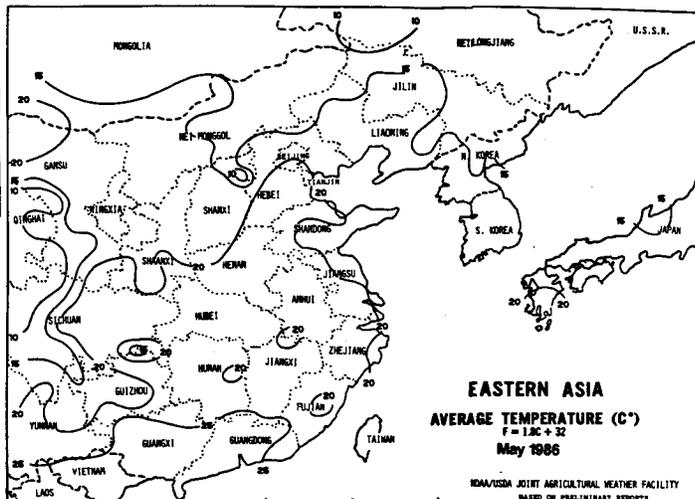
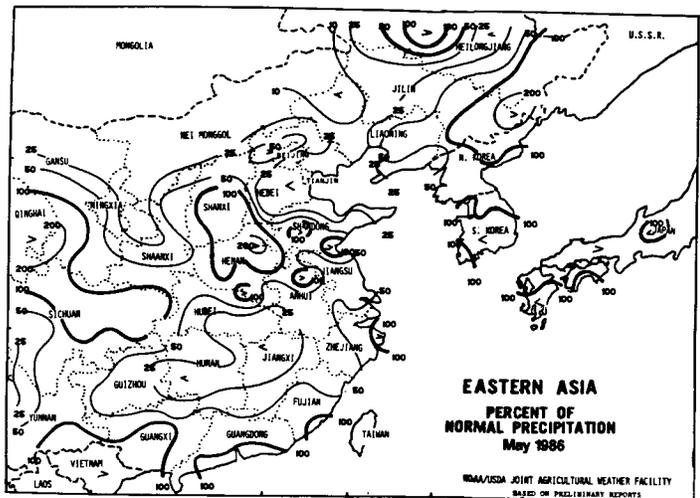
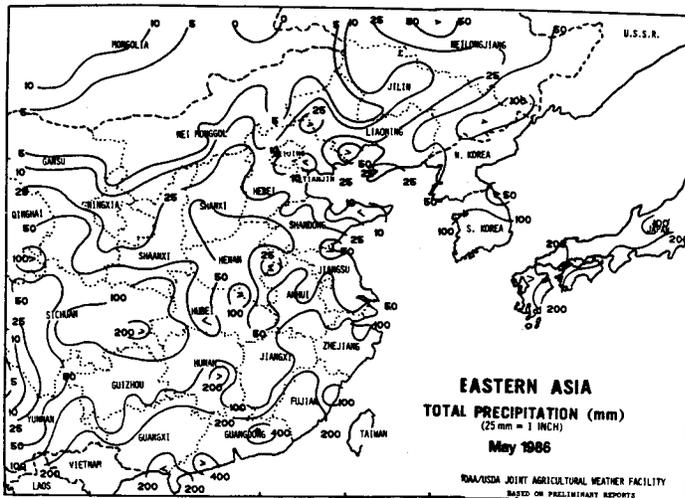
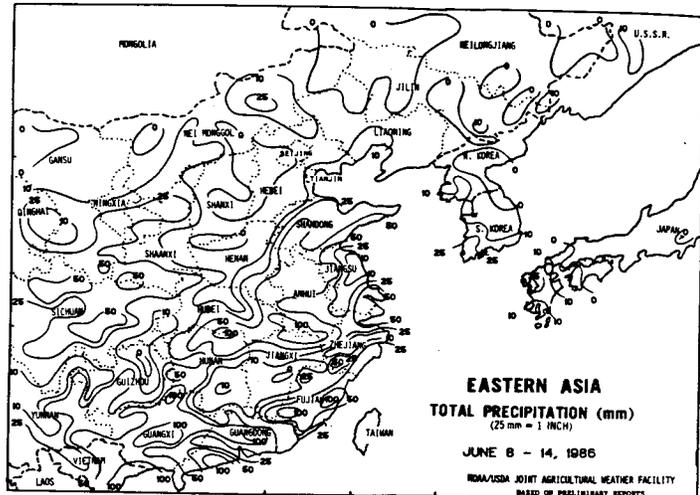
**EUROPE** ... Beneficial rain continued in the Balkan peninsula where 25 to 75mm of rain favored winter grains in the filling stage, and summer crops in the vegetative stage in Bulgaria, Romania, and Yugoslavia. Light, scattered showers (3 to 20mm) fell across crop areas of northern Europe. The drier weather was beneficial following heavy rain. Light showers in northern France and England benefited winter wheat in the heading stage. Unfavorably dry weather continued in most of Spain where wheat is in the filling stage. Temperatures averaged a few degrees below normal in much of Europe. May rainfall was well above normal in much of northern Europe, building favorable moisture supplies for winter grains. Mostly below-normal rainfall occurred during May across Spain, Italy, and the Balkan peninsula. May temperatures averaged above normal throughout Europe.



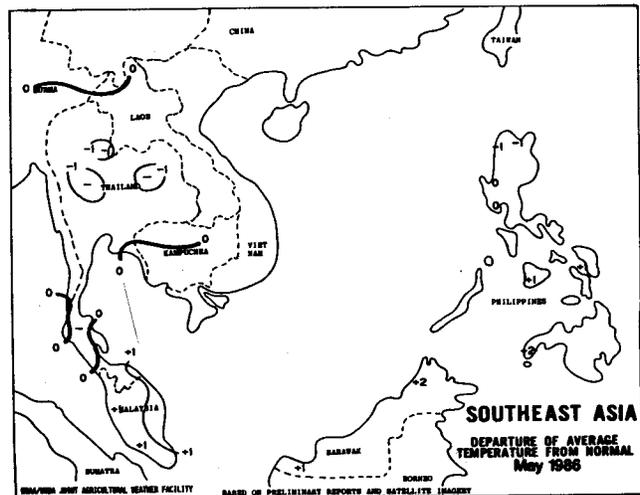
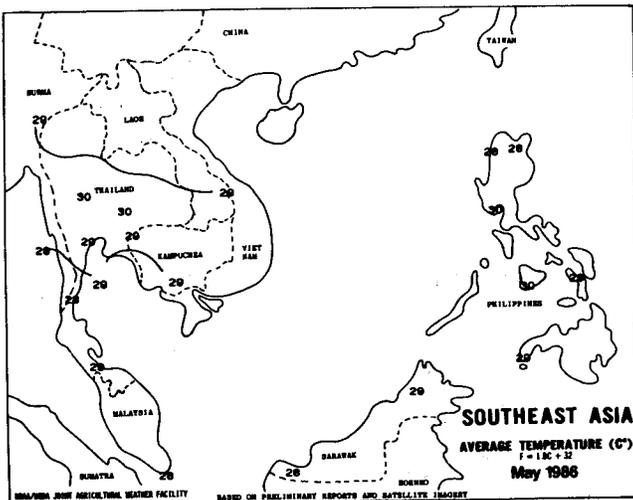
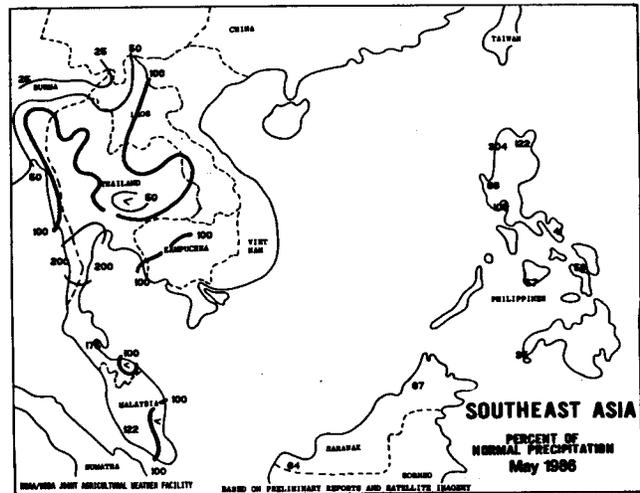
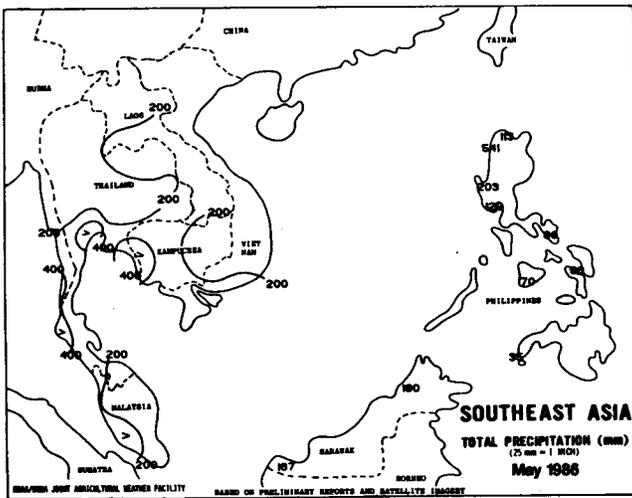
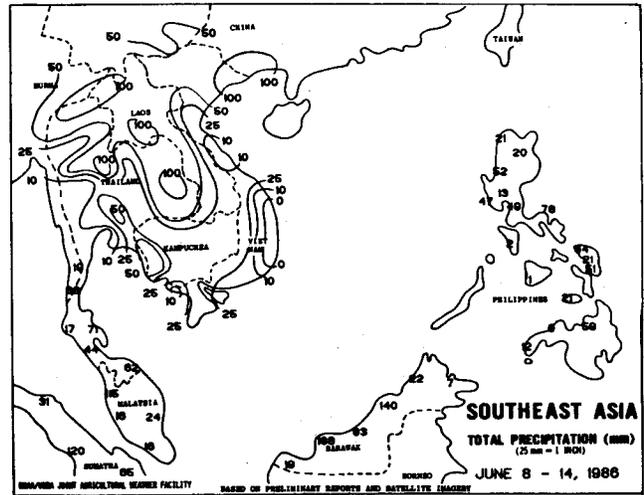
**SOUTH ASIA** ... Monsoon rainfall redeveloped in southwestern India. Moderate rain (25 to 75mm) fell in Kerala, Karnataka, and Maharashtra. The moisture and cooler temperatures were very beneficial and autumn rice, groundnut, and cotton planting has likely begun in the region. Elsewhere, light showers (1 to 10mm) fell in much of the east, but more rain is needed in eastern Madhya Pradesh for autumn rice planting. May rainfall in northern India and Pakistan was above normal but caused only minor delays in late wheat harvesting. Below-normal May rainfall in the south did little to improve preplanting moisture.



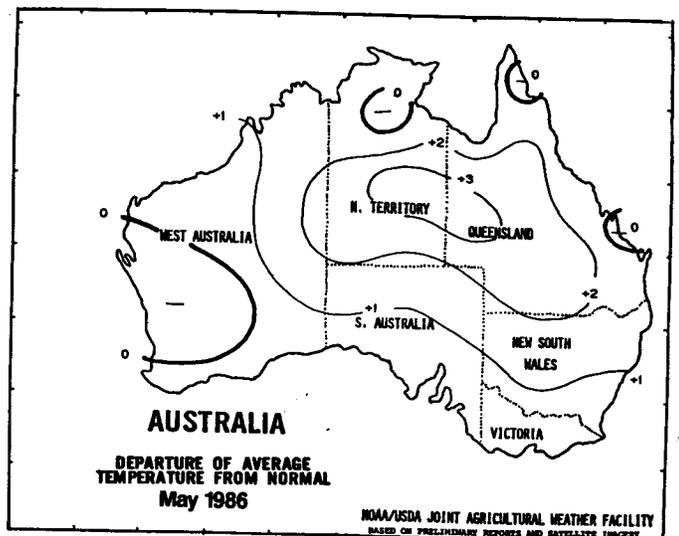
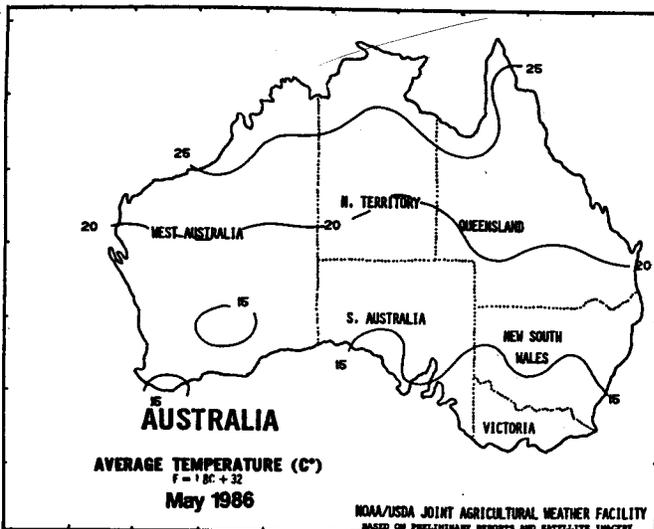
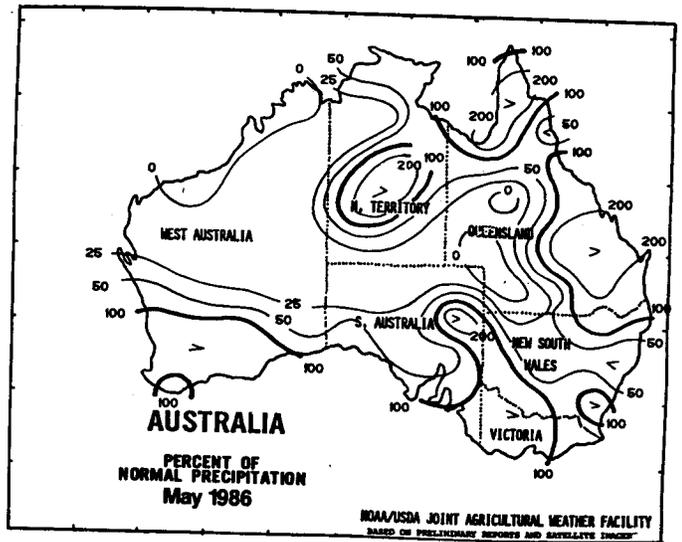
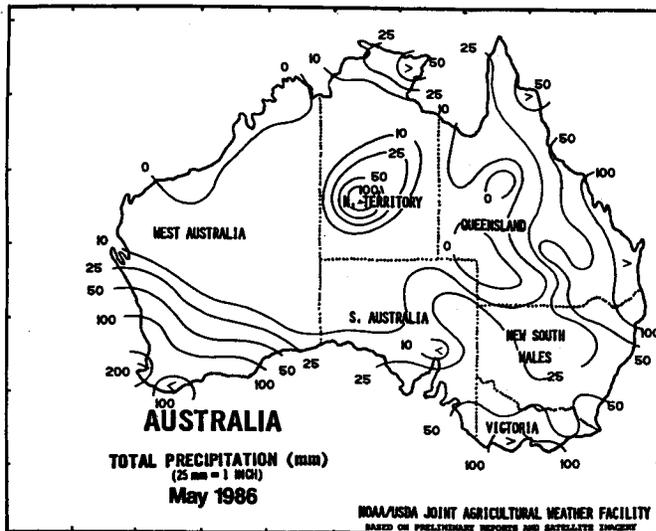
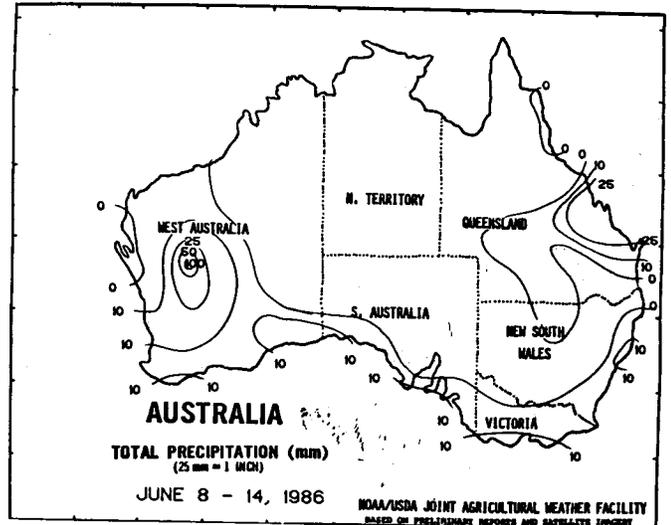
**EASTERN ASIA** ... Variable rain fell in southern China, but most areas received more than 25mm of rain. A relatively dry pocket developed over Hunan and Jiangxi, but beneficial rain covered the rice area last week. Moderate to heavy rain fell in parts of the North China Plain. Previously dry areas of Anhui, Jiangsu, and Shandong benefited from 25 to 75mm of rain and cooler temperatures. Nonirrigated cotton, corn, and soybeans were being stressed by the previous week's dry, hot weather. Little or no rain fell in Hebei, Henan, and Shanxi maintaining unfavorably dry conditions. Little rain and above-normal temperatures continued in northeastern corn and soybean areas. Near-normal May rainfall benefited southern China and localized areas of the North China Plain. Below-normal rain and above-normal temperatures during May were unfavorable for crops in most of central and northern China.



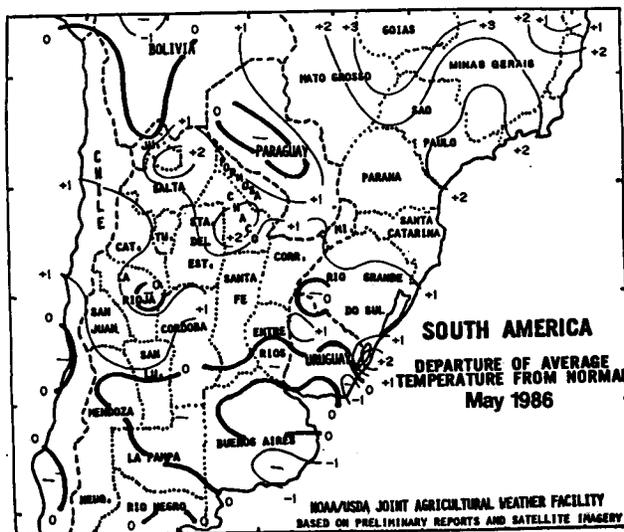
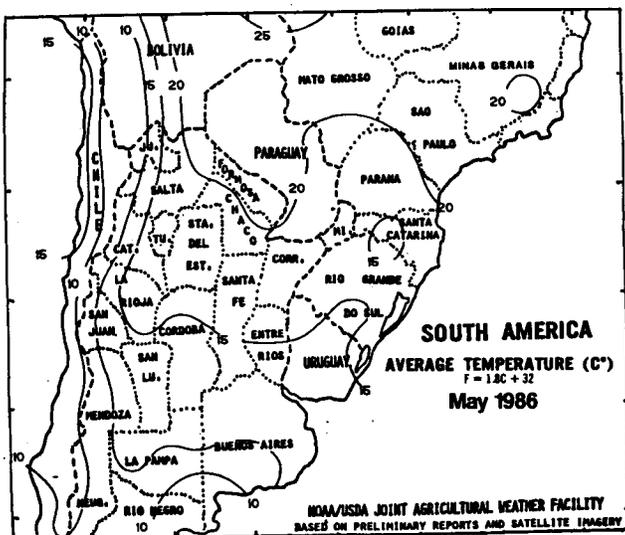
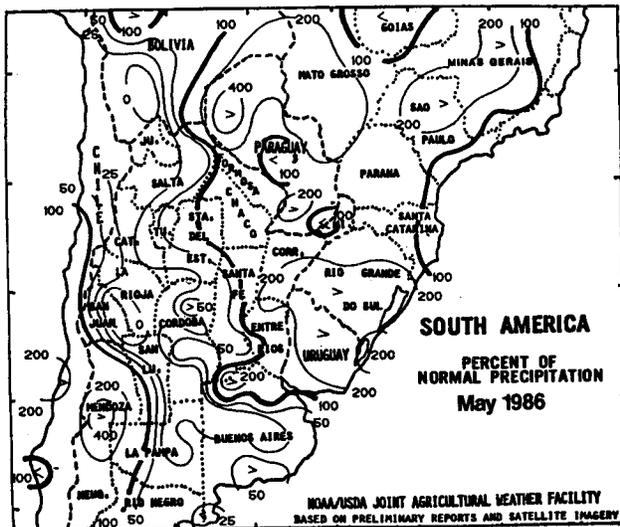
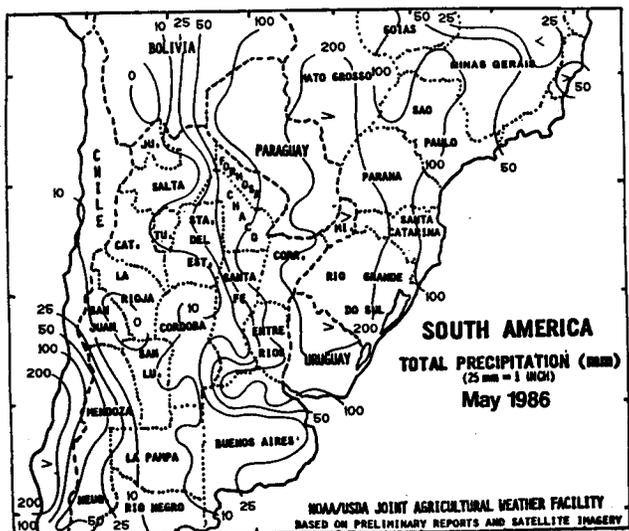
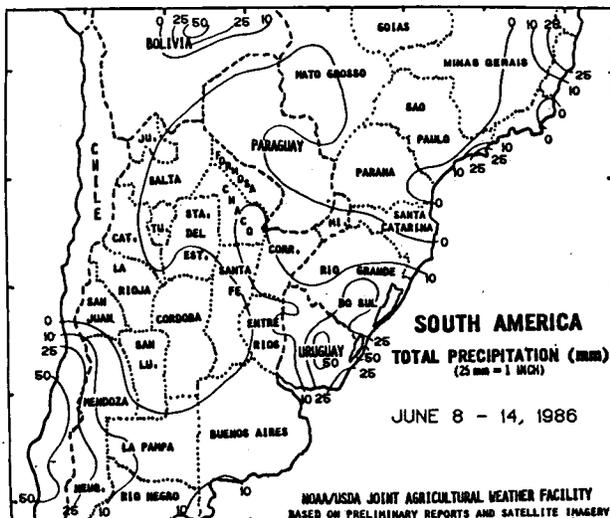
**SOUTHEAST ASIA** ... Moderate to heavy rain (50 to over 100mm) fell in much of Laos, northern Vietnam, and northern and eastern Thailand, continuing the recent pattern. Moderate rain continued over the Mekong Delta rice area, but a dry pocket is developing in much of southern Vietnam. Below-normal rain covered south-central Thailand where irrigation maintains adequate moisture for rice. However, the drying trend has been unfavorable for early growth of corn in central and western areas. Moderate rain covered much of the Philippines, benefiting the drier central and southern islands. May rainfall in Thailand was just the opposite of the recent trend with below-normal rain in the northeast and above-normal rain benefiting early planting in the southwest. Late-May rains improved planting conditions in northern Philippines.



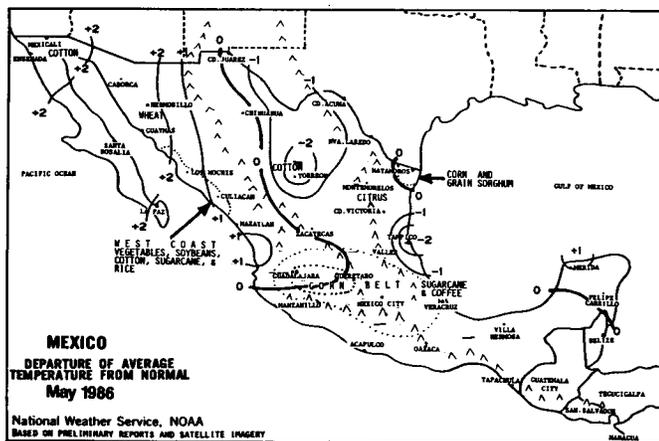
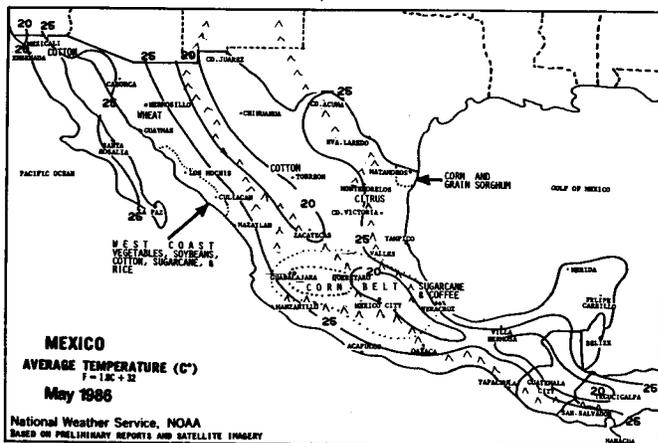
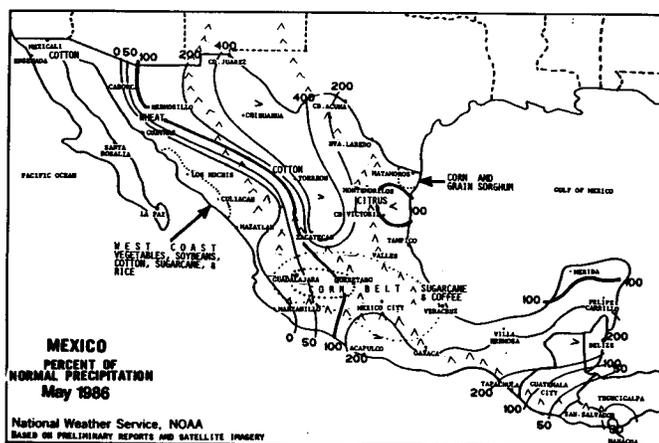
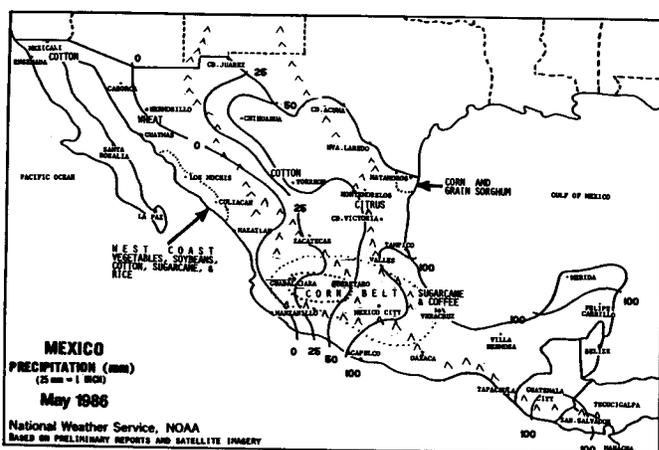
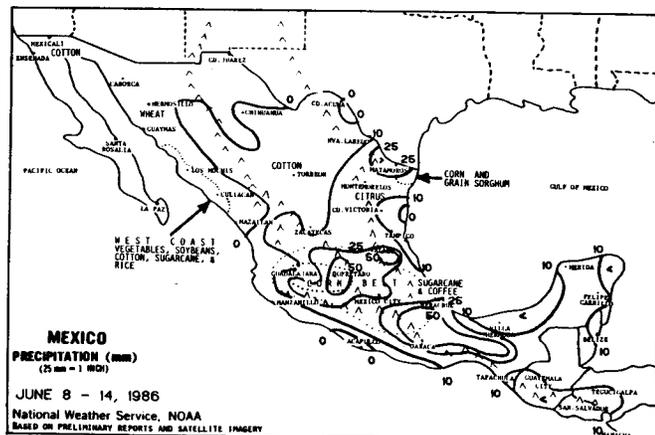
**AUSTRALIA** ... Persistent dry weather continued in eastern wheat areas. Five consecutive weeks with no rain in most of northern New South Wales and southeastern Queensland has delayed the completion of wheat planting past the optimal mid-June date. Light scattered showers (1 to 3mm) fell in much of the wheat areas of South Australia and Victoria where no significant rain has fallen in 3 weeks. The recent dry weather has been unfavorable for wheat establishment. Light to moderate showers (5 to 20mm) maintained adequate moisture in Western Australia's wheat region. May rainfall was near normal in much of the wheat belt; however, in the northeast all the rain fell during the first week of May followed by unfavorably dry weather. Central New South Wales remains the driest region, which received only negligible May rain. Well-distributed rain fell in South Australia, Victoria, and Western Australia during May.



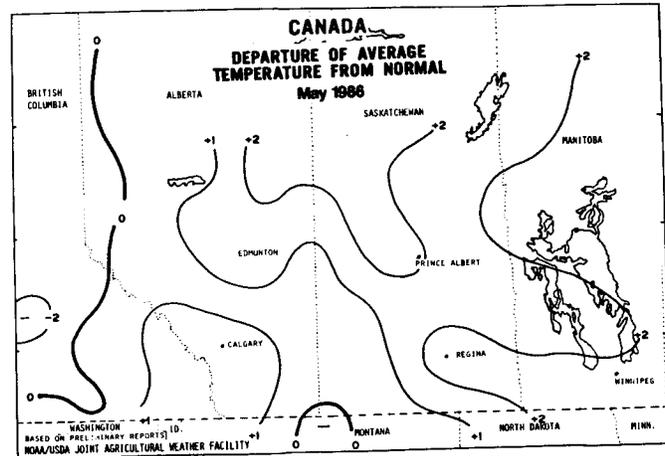
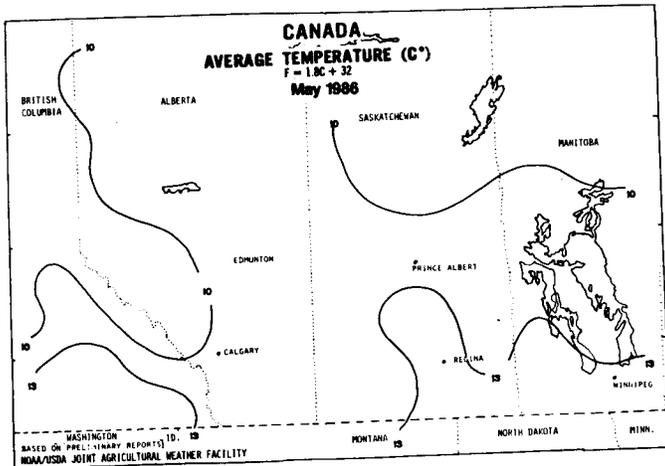
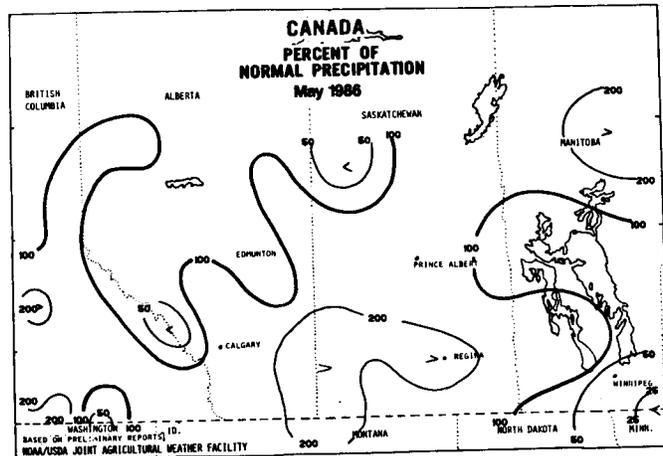
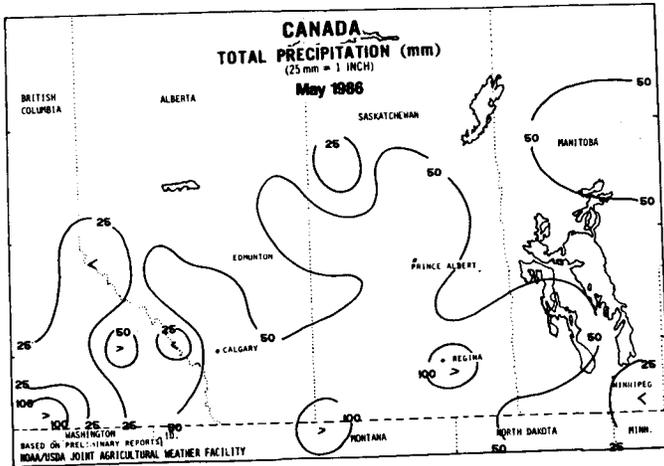
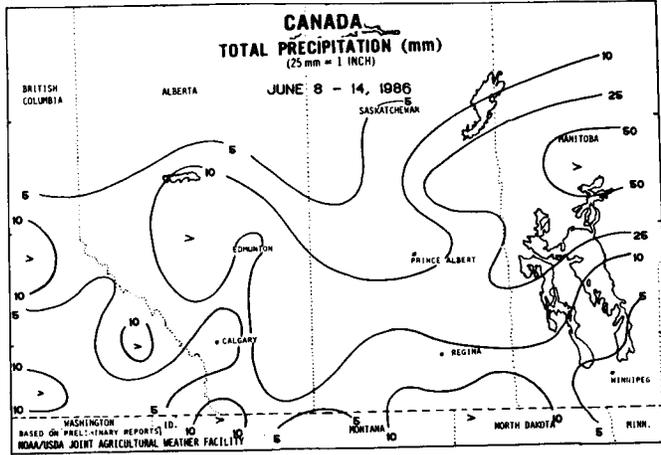
**SOUTH AMERICA** ... Mostly dry weather covered the region. Showers were confined to Uruguay and adjacent areas of extreme southern Brazil and eastern Argentina. Light rain (mostly less than 5mm) provided little moisture for wheat planting in Buenos Aires, Argentina's major wheat producing province. Planting normally begins in June. May rainfall was well below-normal over southern Buenos Aires, but near average May rains in northern portions of the province helped soil moisture recharge. Below-average monthly rainfall also occurred in Cordoba, Santa Fe, and La Pampa. In Brazil, above-average May rainfall over the center-south region provided adequate moisture for early growth of wheat in Parana and planting, which follows the soybean harvest, in Rio Grande do Sul. Dry, mild weather prevailed again over citrus/coffee areas of Sao Paulo and Minas Gerais.



**MEXICO** ... Substantial showers (10 to 50mm) fell over the Southern Plateau corn belt, benefiting corn emergence and vegetative growth. The moisture was especially helpful in the west where May rainfall was below average. Early-season moisture is adequate in the eastern corn belt. Scattered showers fell in the northeast where grains are maturing. Dry weather continued in the northwest, favoring the wheat harvest, which is nearing completion. Dryness along the west coast farming region continues to force reliance on irrigation for vegetable and grain development. Tropical shower activity was intense in southern Mexico.



**CANADA** ... Some rain fell over the Prairie grain belt. Weekly amounts were less than 10mm over southern Manitoba, much of southern and extreme northwestern crop areas of Saskatchewan, and western Alberta. Rainfall averaged 10 to over 25mm elsewhere. May rainfall was mostly above normal, improving soil moisture in the central and western crop areas following a dry April. Drier May weather improved field conditions in Manitoba, following above-average April rainfall. Consequently, crops were in good to excellent condition in most areas. Spring-sown crops were emerging with most grains in vegetative growth. Moisture was limited in southwestern Saskatchewan and southern Alberta.



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(Continued from p. 13)

the south with supplies principally from the central and northern producing areas.

Wet conditions slowed vegetable harvest and caused some crop diseases in Texas. Rain lowered onion quality. Some replanting of cantaloups may be necessary because of too much rain.

Watermelon harvest gained momentum in Arizona. Mixed vegetables were packed in the central valley. In California, vegetable harvest consisted mostly of artichokes, broccoli, carrots, cauliflower, celery, sweet corn, lettuce, watermelons, and onions.

PASTURES AND LIVESTOCK: Livestock was mostly good. Pastures were mostly good except in the Southeast. Rain improved growth in most areas and especially in the Southeast.

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