

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board

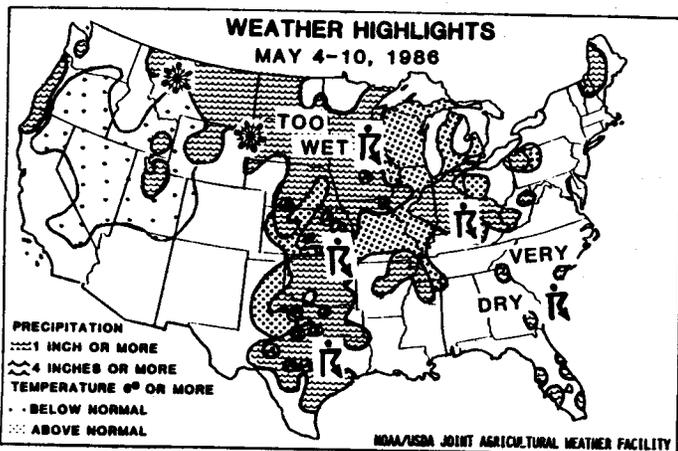
Volume 73, No. 19

WASHINGTON, D.C.

May 13, 1986

National Weather Summary

May 4 to 10, 1986



HIGHLIGHTS: A Pacific storm moved through the Rockies early in the week and intensified in the central Rockies at midweek. The storm pulled very cold air into the West from Canada. Heavy snow fell at many higher locations and pushed onto the High Plains in Montana and the Dakotas. Cold rain and high wind covered all of the Northwest and western portion of the northern Plains. Severe weather accompanied showers and thunderstorms throughout the Plains and spread over the Midwest to West Virginia. After midweek, a few showers fell in the southern Appalachians and spread into isolated parts of Georgia and South Carolina. As the week ended, thunderstorms had moved through the lower Mississippi to the Tennessee Valley. Average temperatures were below normal in most of the West and above normal from the Great Plains eastward.

SUNDAY...The most significant rain area was in the Northwest quarter of the Nation. Snow fell in the higher elevations of the Rockies and Cascades and moderate to heavy rain showers fell in parts of Montana, and lighter amounts reached into the Dakotas. Light rain fell from the Great Lakes to New England. Thunderstorms dropped moderate rain in parts of southeastern Texas and light amounts in central and northwestern Texas and in southern Florida. It was cool in the East and West but unusually warm in the Great Plains.

MONDAY...Rain, with snow at higher elevations, continued in the Northwest and the area of moderate rain moved to eastern Montana and into North Dakota. Showers and thunderstorms developed from east-central Texas to southern Iowa and southern Lake Michigan with light rain from the Lakes to New

England. More cold air spilled into the Northwest, the East remained cool, and warm weather covered the eastern part of the Plains.

TUESDAY...Light rain or snow continued in much of the West. Showers and thunderstorms dotted the eastern Great Plains and dropped moderate amounts of rain from northwestern Missouri to the upper Ohio Valley. Light showers fell through the Appalachians and from central Virginia northward. Warm weather covered the East while most of the West was cool.

WEDNESDAY...Cold rain fell from the central Plateau and Rockies northward with lots of snow at the higher elevations. Showers and thunderstorms were scattered through the very dry areas of the upper Tennessee Valley, the southern Appalachians, and along the southeastern coast. A few light showers fell in Virginia.

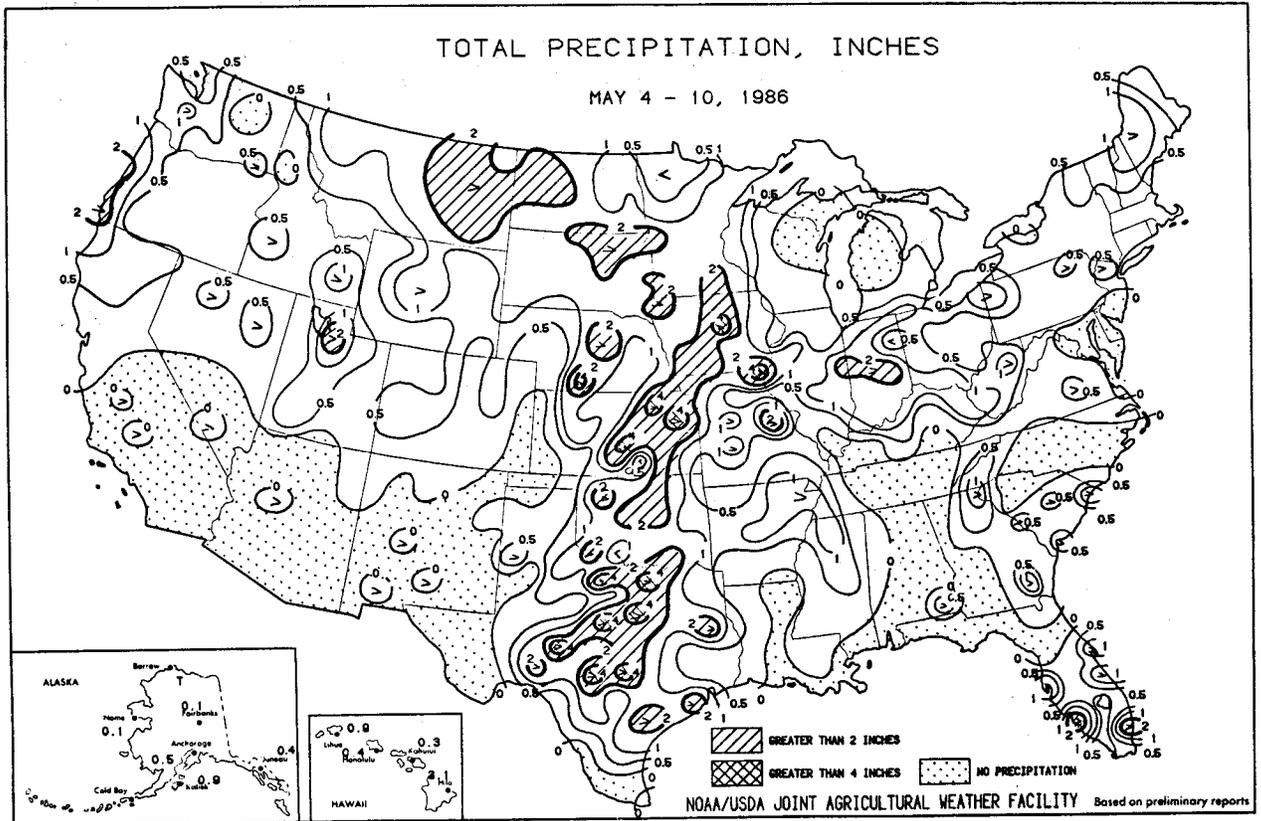
THURSDAY...An intense storm in the Plains triggered showers and thunderstorms in most of the Plains west of the Mississippi River. Cold rain continued in the central and northern Rockies, and heavy snow fell in much of Wyoming and Montana. Light rain fell in the Northeast, and showers and thunderstorms were scattered along the southeastern coast. Cold weather continued in the Plateau and Rockies and spread across the northern States.

FRIDAY...Intense thunderstorms and severe weather spread either side of a line from south central Texas through Minnesota. Rain was moderate to heavy from western North Dakota into Montana and snow continued at higher elevations. Light rain covered the Northwest Coast and eastern Florida.

(Continued to p. 5)

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LIMITATIONS OF THE CROP MOISTURE INDEX

The legend on the Crop Moisture charts states that the use of the chart may be limited in the case of shallow rooted or newly seeded crops that have not developed a mature root system. Such is the case in much of the Southeastern United States.

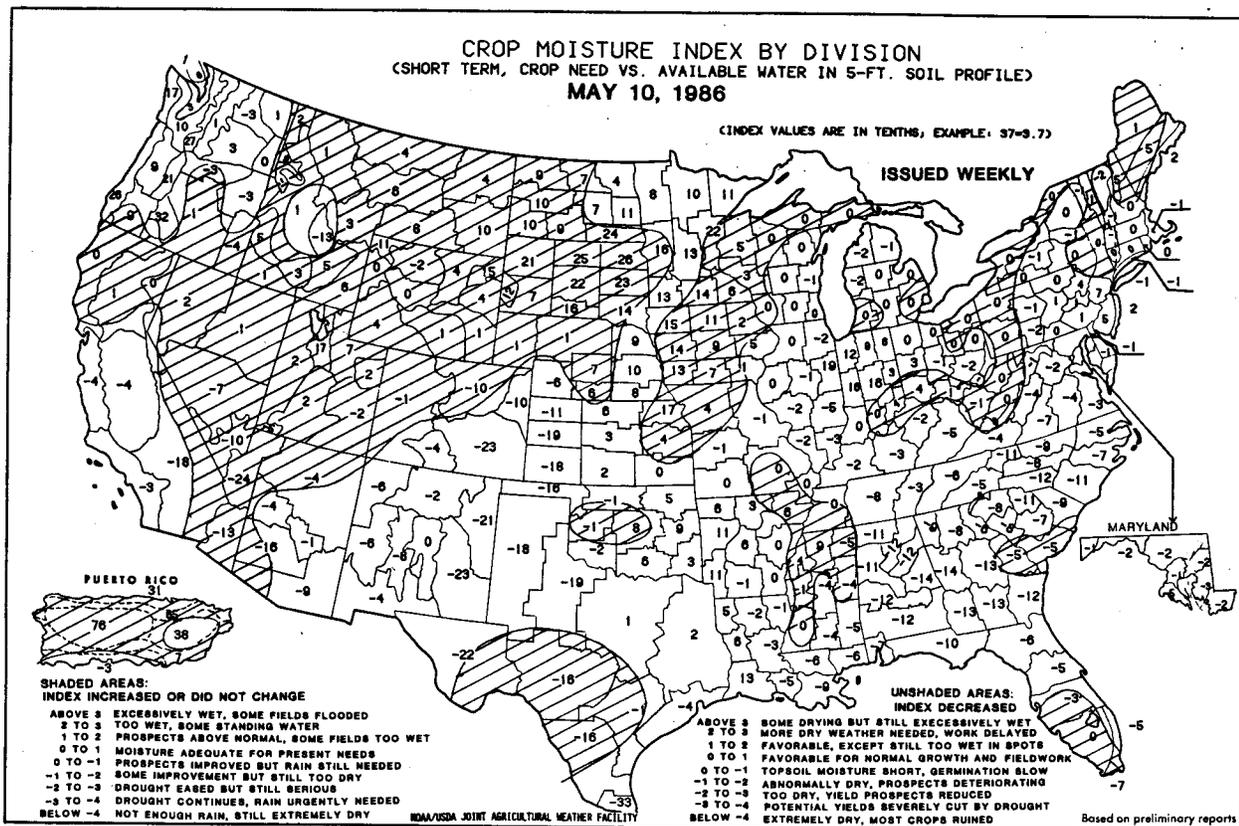
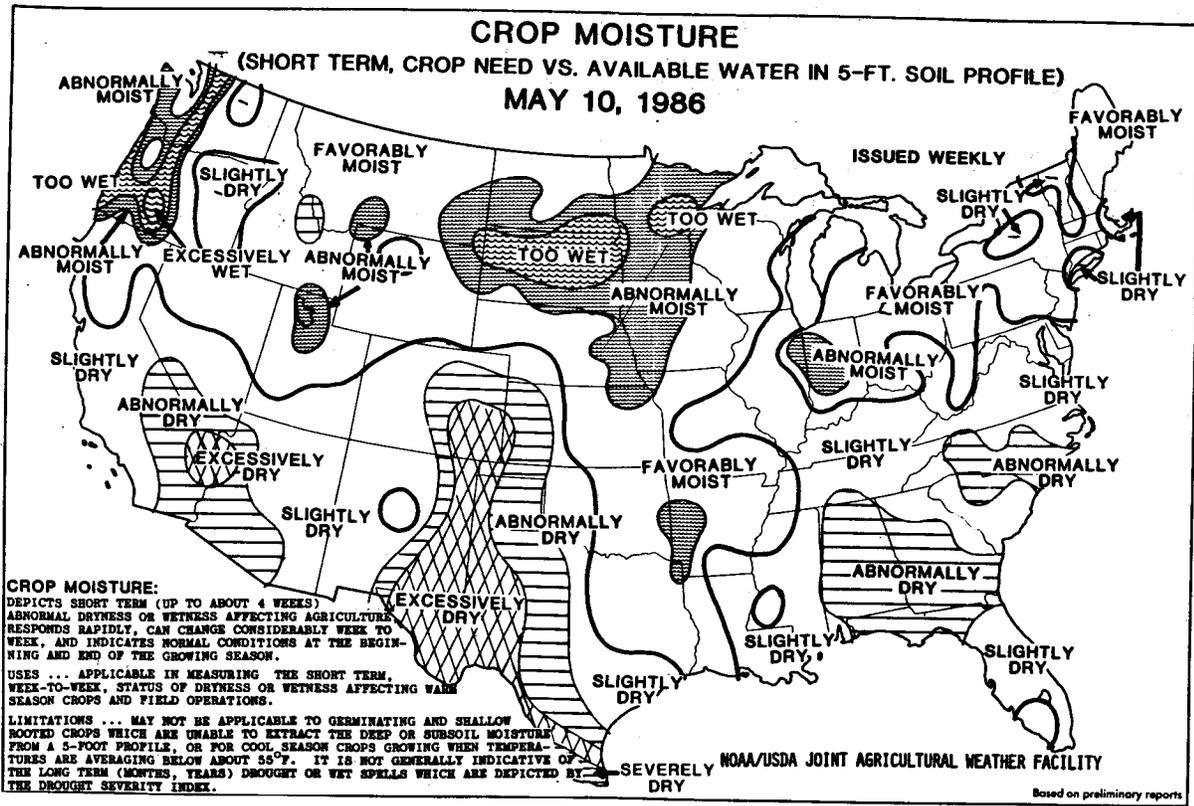
Precipitation in the Southeast has been below normal since December 1985. However, normal precipitation is from 3 to 5 inches per month in the Southeast. During the winter when little vegetation is growing, most of the rain that falls goes into the soil profile, and when Spring comes the soil is nearly saturated. Even with only 50 percent of the normal rainfall, enough rain falls to fill the soil to its capacity. In most of the Southeast this amount is estimated to be about 6 inches, but this moisture is spread evenly through about 5 feet of soil. When Spring comes grass, weeds, and early crops begin to green and roots spread through the top layers of soil. This eagerly growing vegetation soon depletes the moisture in the top layers of soil and, if no current rain is

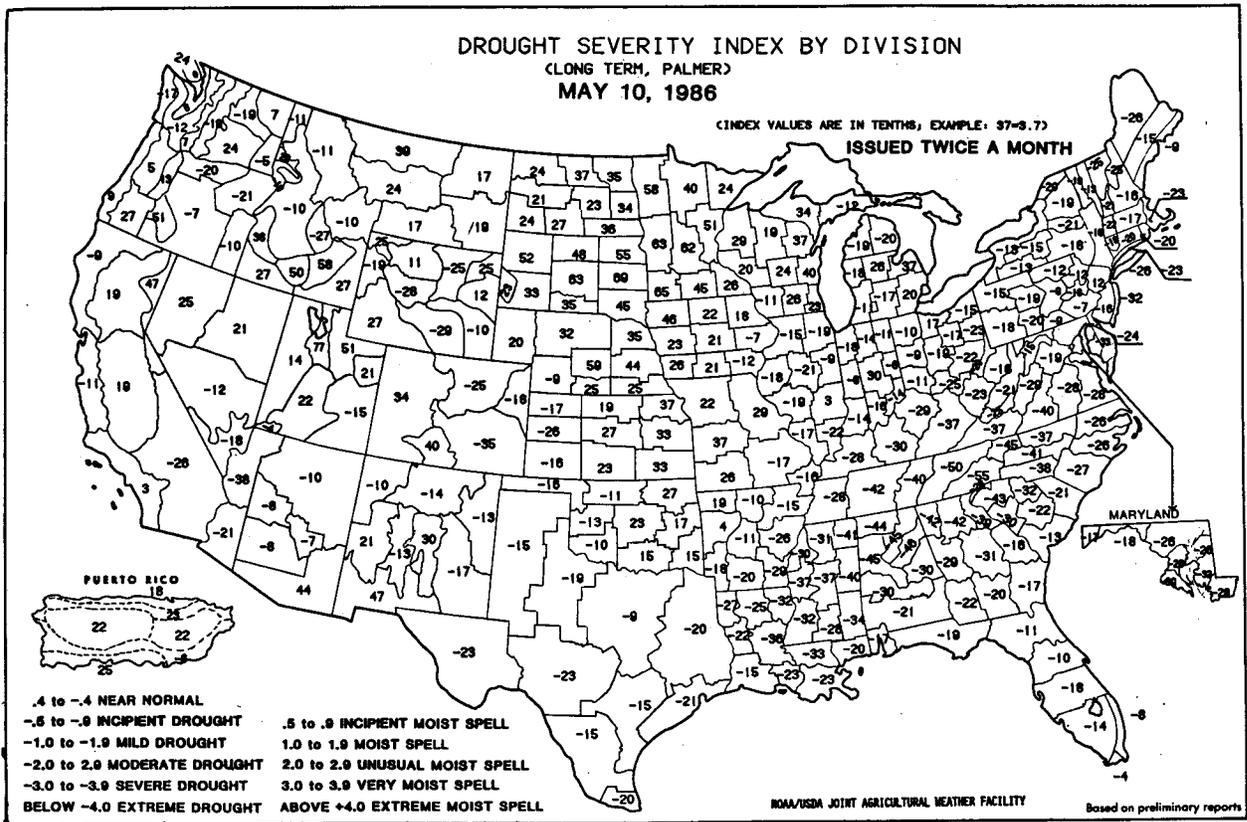
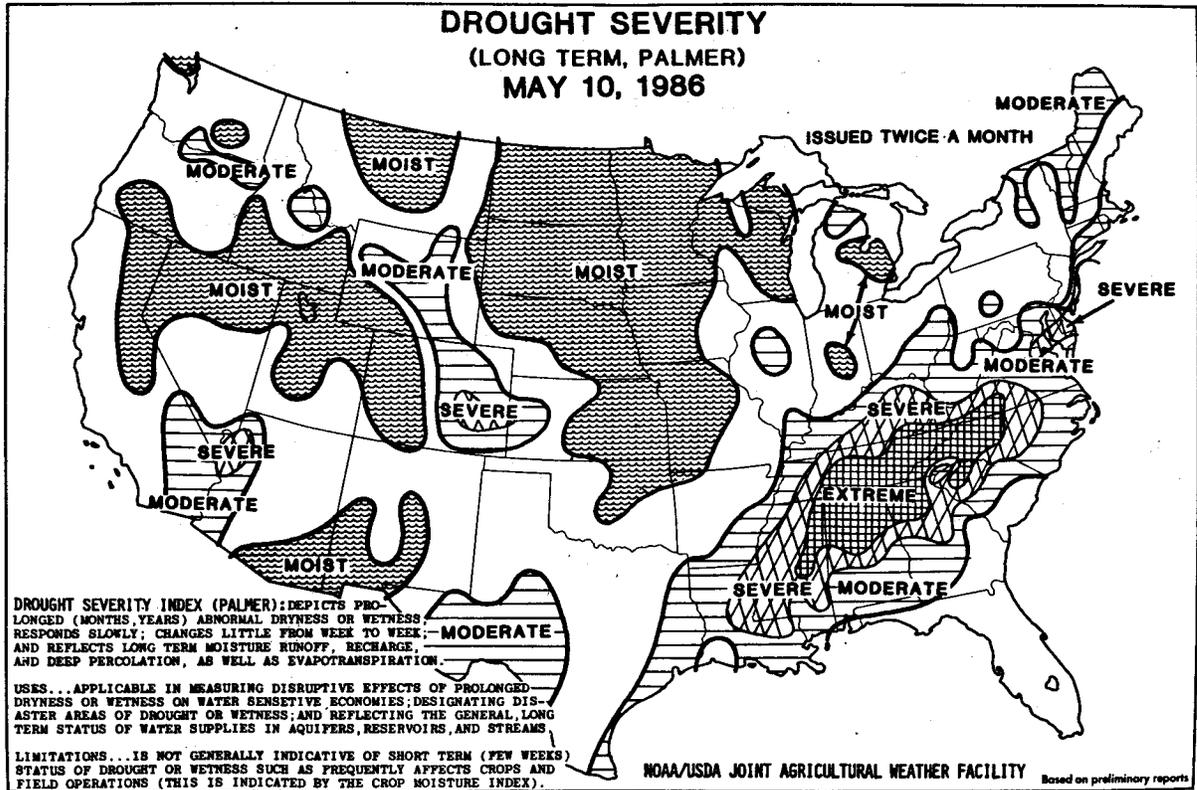
received, will soon have very little moisture available to its immature shallow root system. Similarly, newly seeded crops planted after the top layers are dry will not germinate. These conditions exist in spring dry spells, even though subsoil moisture would be adequate for a fully mature root system.

Palmer developed The Crop Moisture Index to keep track of the moisture for mature, fully rooted crops, and for this purpose it works quite well. It does not depict the effect of dry spells on shallow rooted or newly seeded crops.

Drought manifests itself in many ways. It effects deep ground water or aquifers; rivers, lakes, and reservoirs; soil moisture; and crop growth. It even affects various crops in different ways.

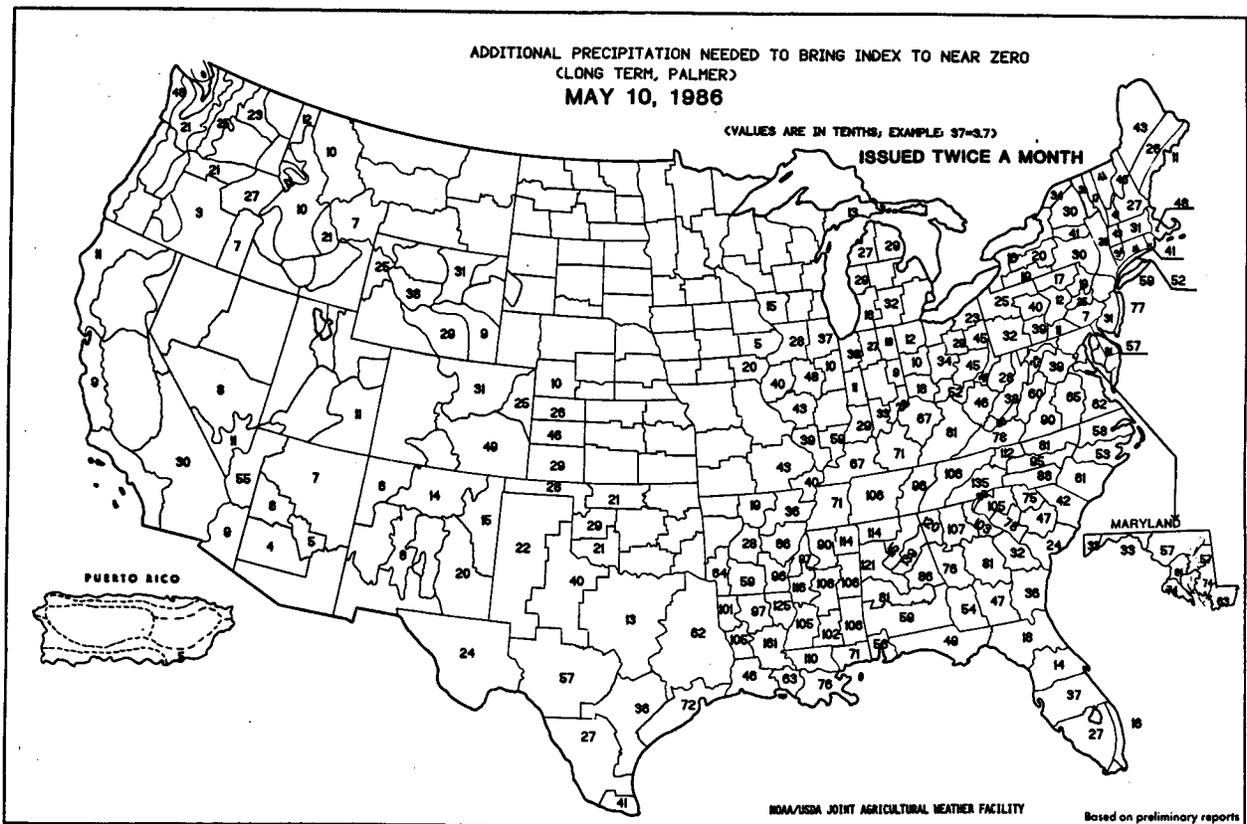
It would be impractical to try to devise an index system for each drought effect. Palmer developed the Drought Severity Index to measure all aspects of drought and the Crop Moisture Index to measure the effects on mature, fully rooted crops. We do not have an indexing system to measure the unique effect of spring droughts.

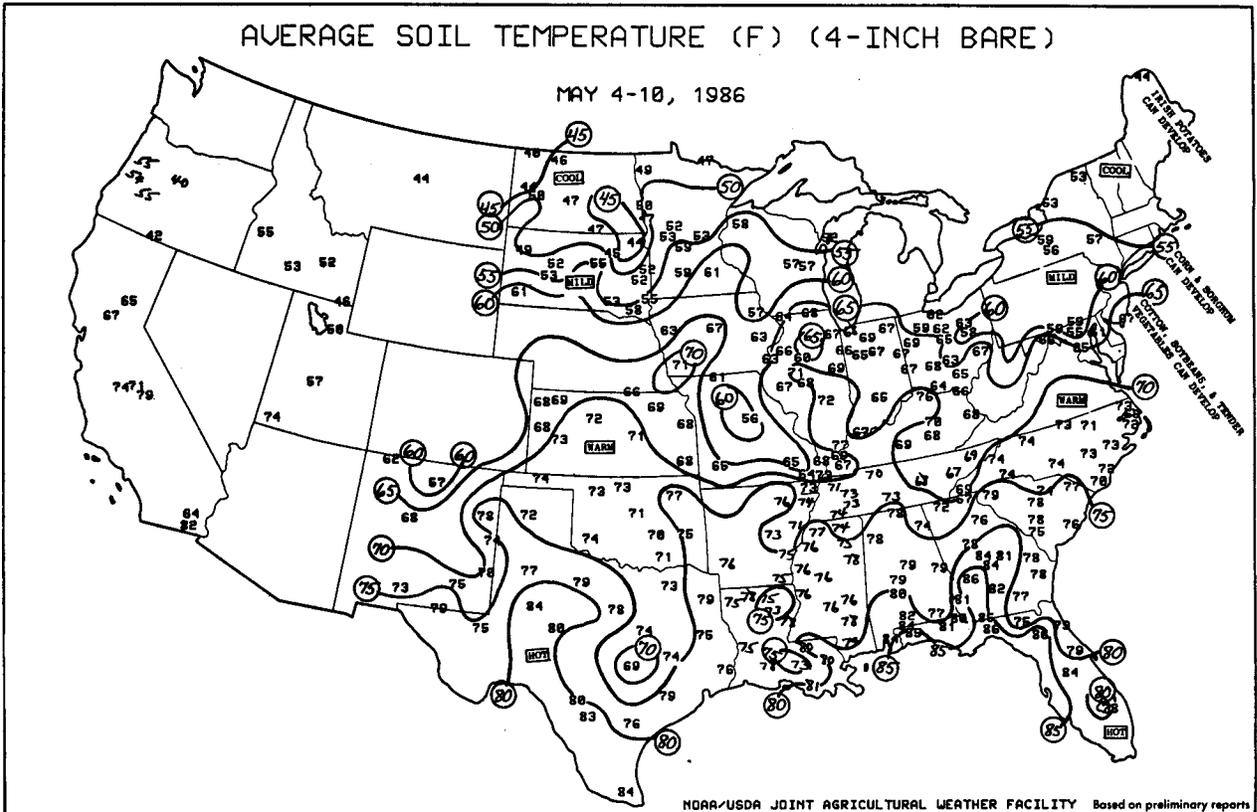
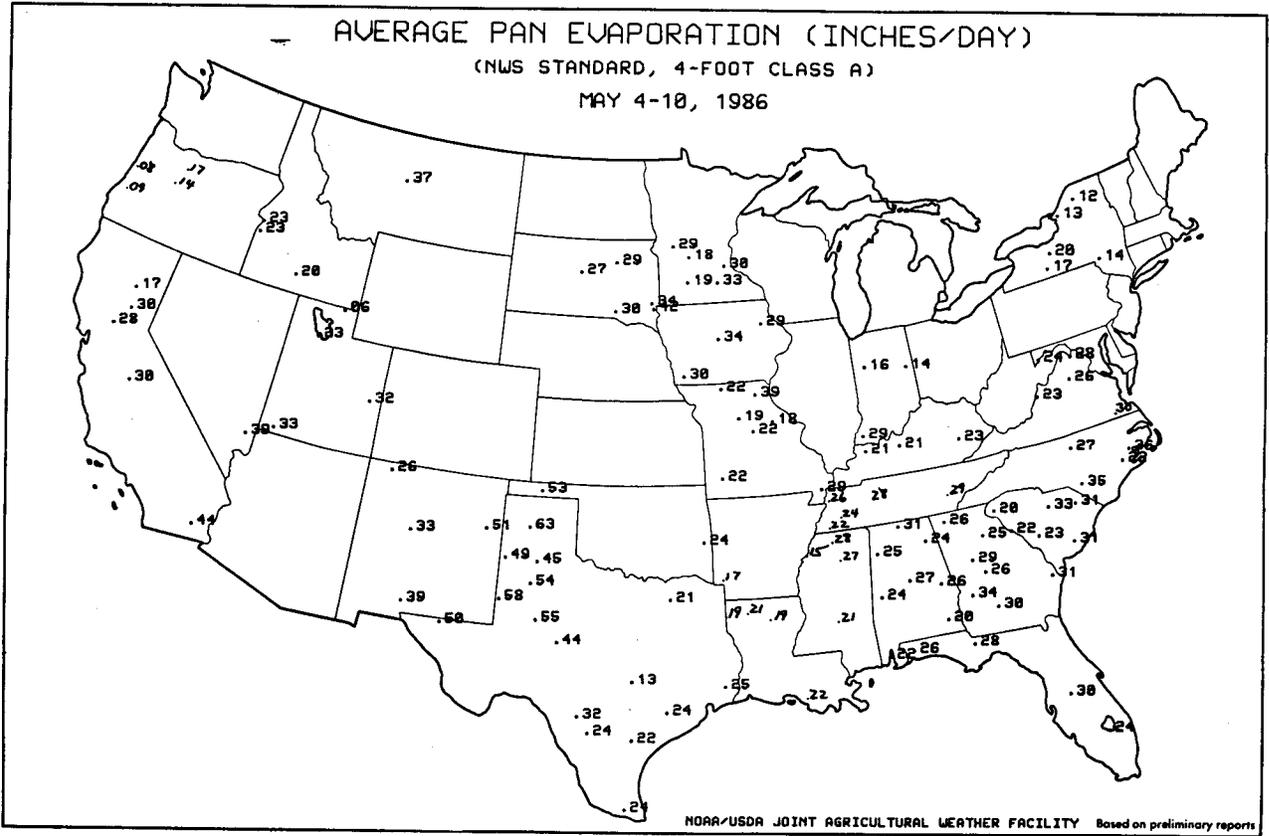




(Continued from front cover)

SATURDAY...The area of widespread showers and thunderstorms with severe weather reached from eastern Texas to Minnesota, eastward to the Mississippi River, and across the South into northern Alabama and the lower Tennessee Valley. Lighter rain covered the Northwest with snow in the higher elevations.





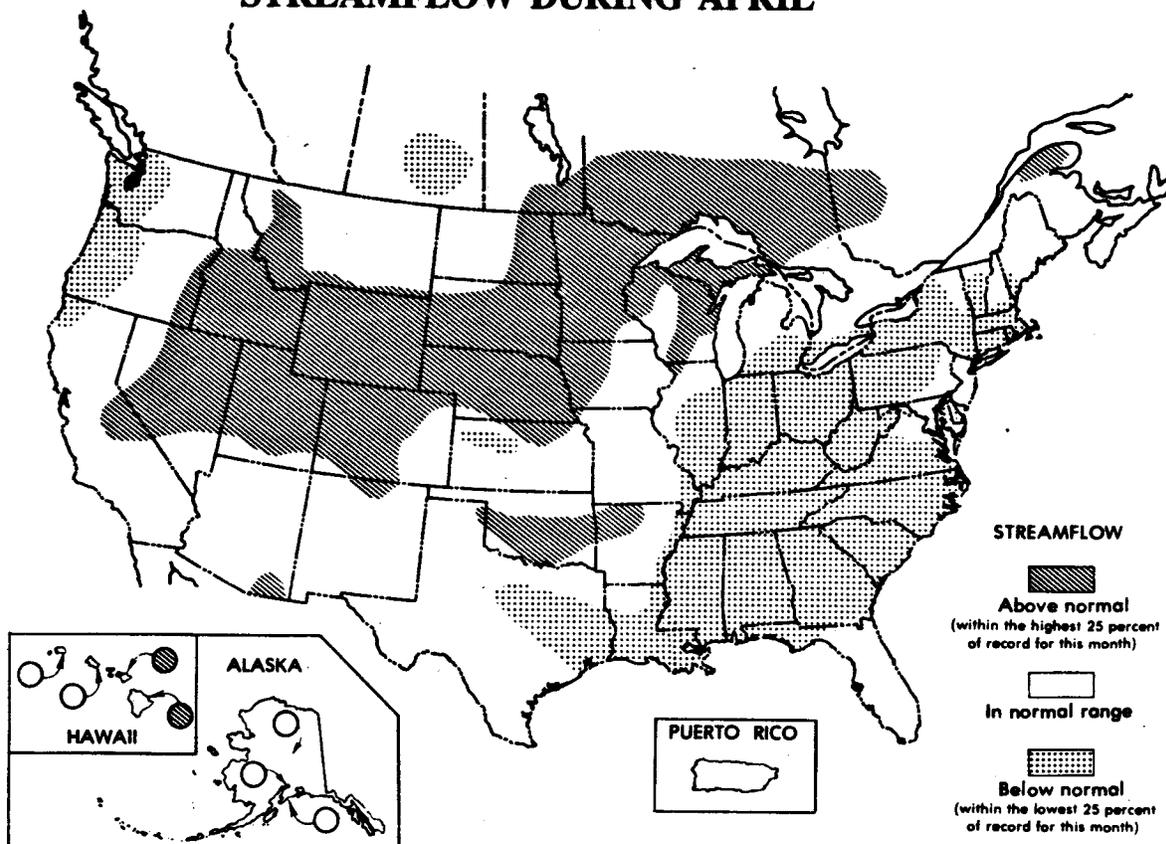
National Water Conditions

UNITED STATES
Department of the Interior
Geological Survey

CANADA
Department of the Environment
Water Resources Branch

APRIL 1986

STREAMFLOW DURING APRIL

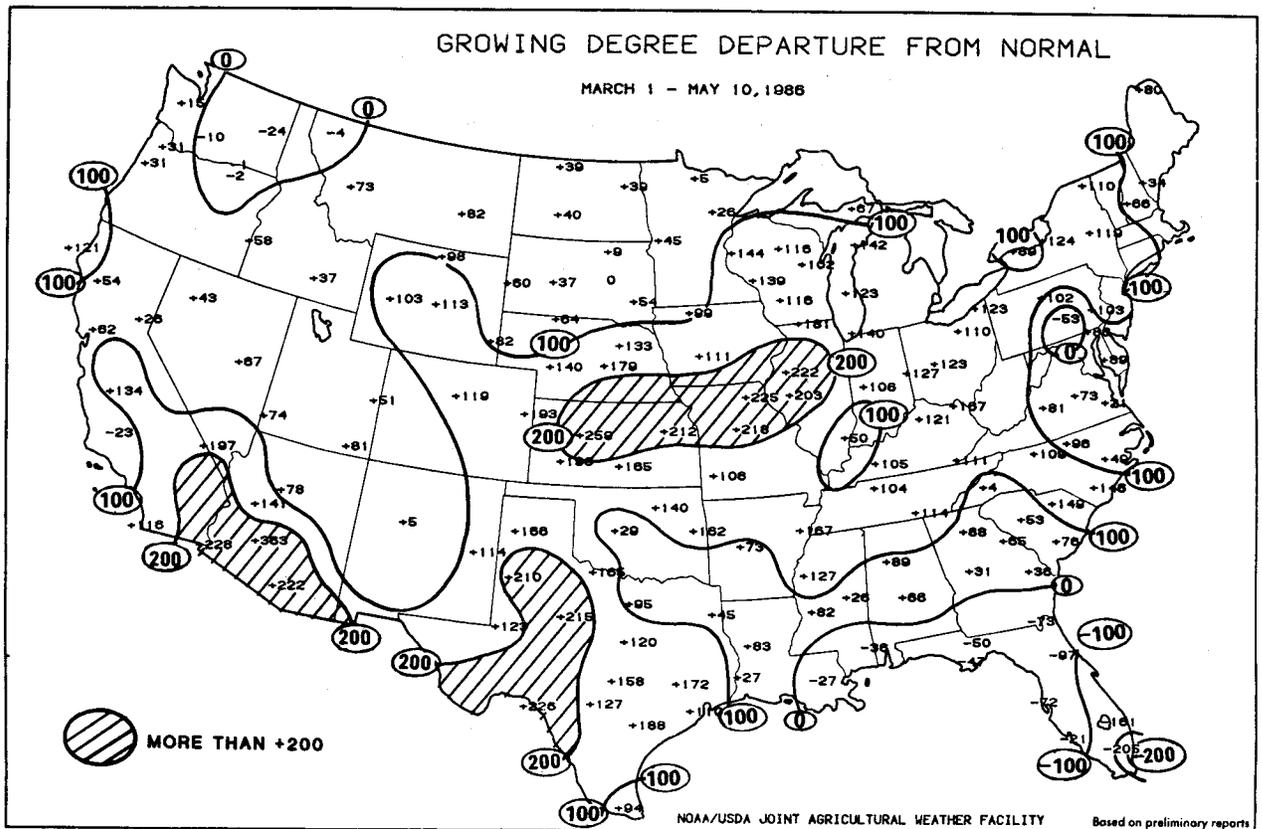
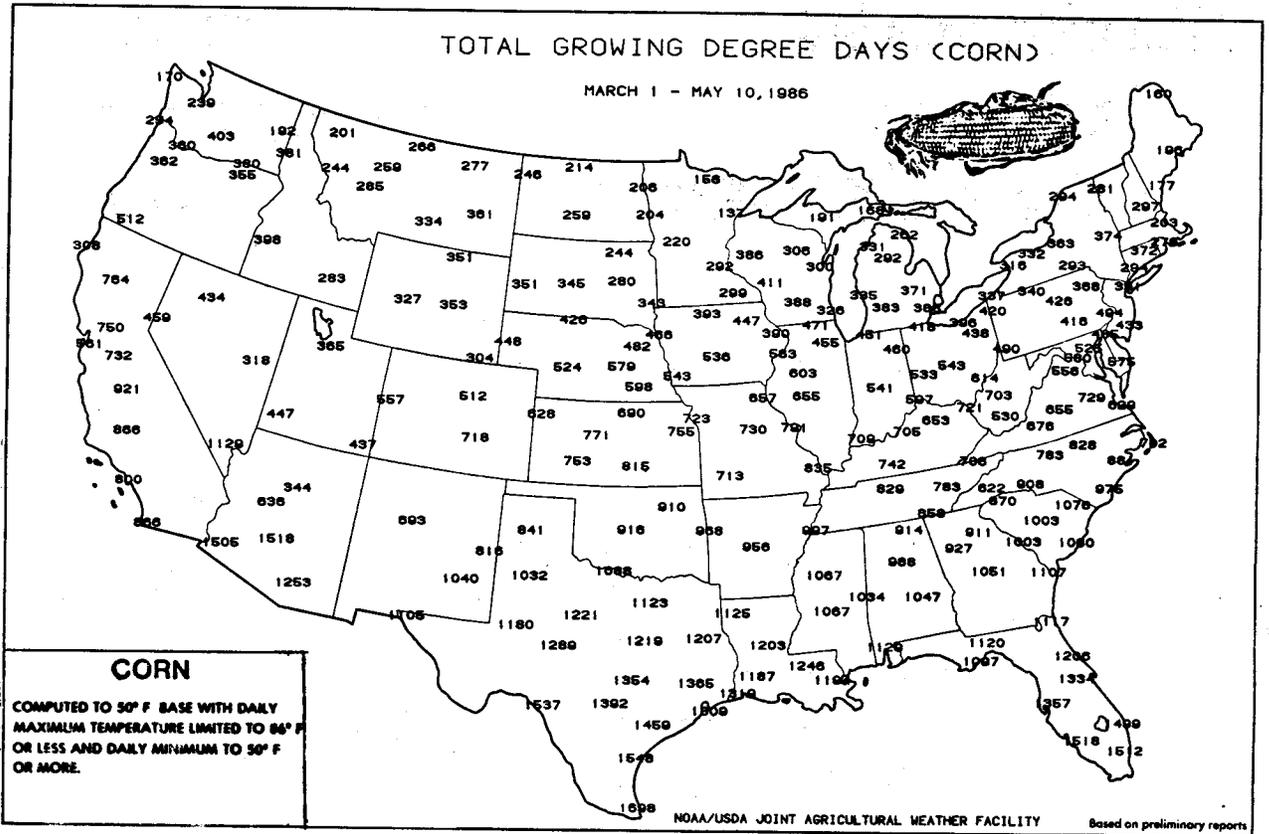


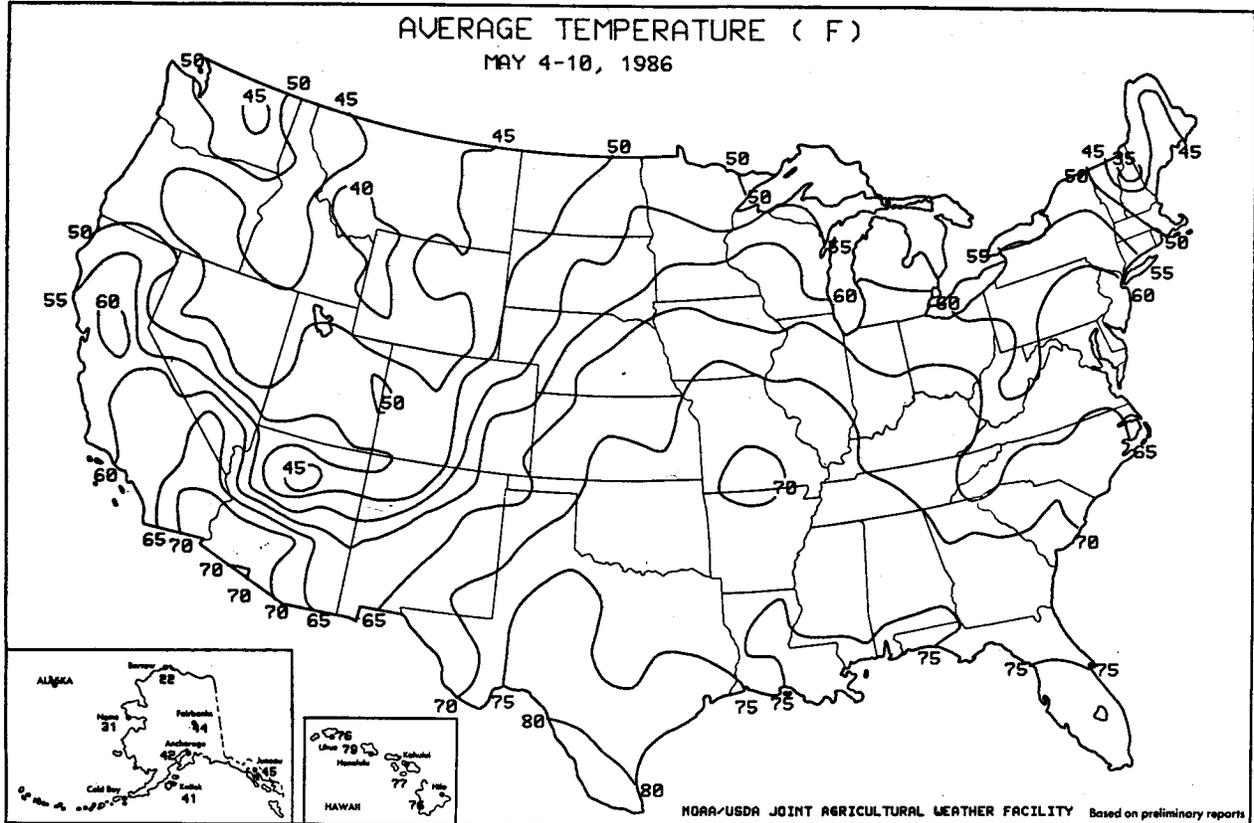
Precipitation in the United States was well below normal for April along the northern Pacific coast, in Texas, Louisiana, and Missouri, and far below normal in most States east of the Mississippi River. Streamflow decreased into the below-normal range in the Pacific Northwest, and also in most of the area east of the Mississippi River, even where flows had been above normal during March, and flows dramatically decreased in areas where flows had been in the below-normal range during March. About 71 percent of the index stations in the eastern area had flows in the below-normal range, and there was one major forest fire in the Shenandoah National Park in Virginia. Record monthly lows for April occurred at 16 of the 38 index stations in the Southeast.

In sharp contrast, Utah's Great Salt Lake was at elevation 4,211.30 feet above mean sea level on April 30, after rising 0.80 foot during April, and will probably exceed the historical high (since 1847) of 4,211.6 feet which occurred in 1873. In what appears to be part of the same wet trend, the Great Lakes continue at or near record high levels. For only the second time in 19 months, there were no new monthly highs recorded. However, streamflow at the 12 index stations in Wyoming, Colorado, and Utah, at the core of the area of above-normal flows, averaged 230 percent of median for the month.

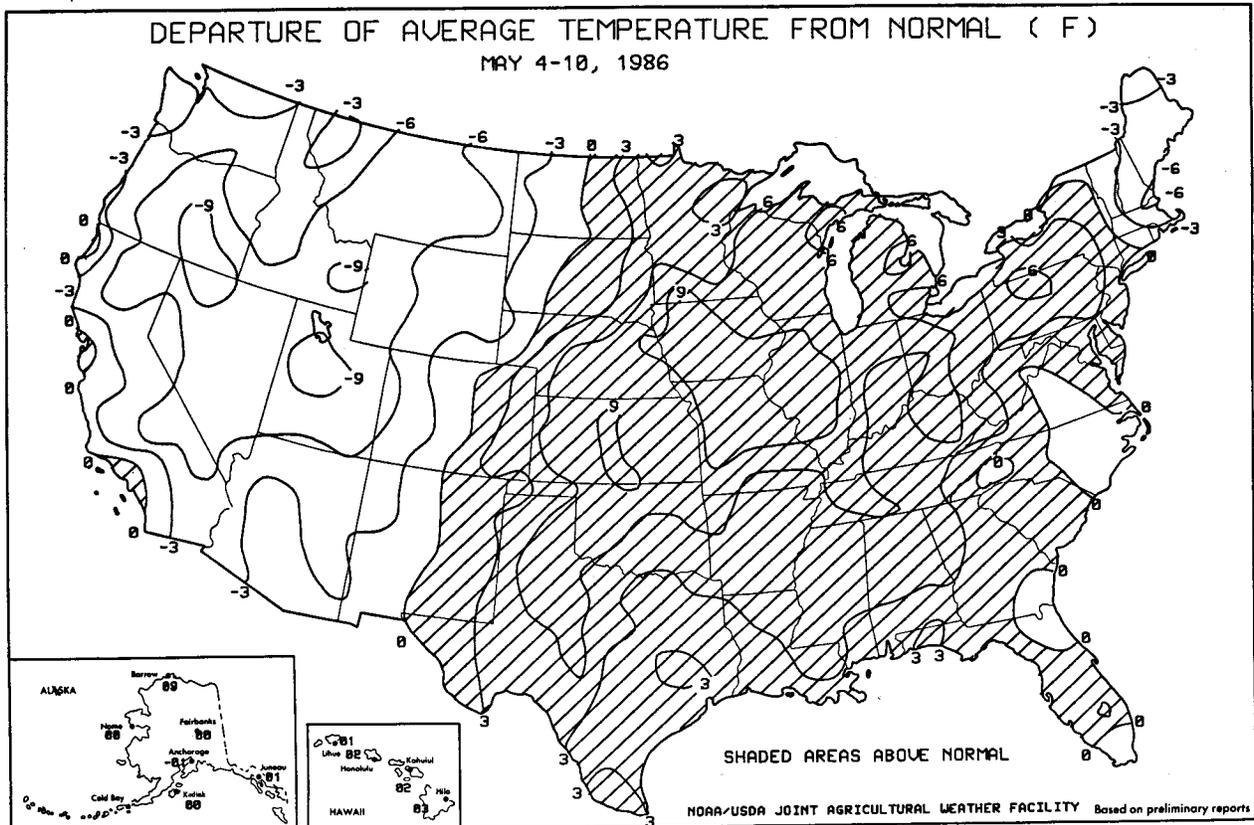
Contents of 72 percent of reporting reservoirs were at or above average for the end of April. Most reservoirs with below-average contents were clustered in Nova Scotia, the Southeast (particularly the Tennessee Valley), Oklahoma, Texas, Wyoming, and Idaho.

The combined flow of the 3 largest rivers in the lower 48 States—Mississippi, St. Lawrence, and Columbia—averaged 1,220,000 cubic feet per second (cfs) during April, 8 percent below last month and 14 percent below median, as flow of the Mississippi river at Vicksburg, Mississippi, decreased 109,000 cfs (14 percent) from last month.





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



COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NWS-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NWS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 5-10-1986
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL, WEEK TOTAL, WEEK DEV FROM NORM, WEEK DEV FROM L YR, CUM TOTAL, CUM DEV FROM NORM, CUM DEV FROM L YR, CUM DEV FROM NORM, CUM DEV FROM L YR, CUM DEV FROM NORM, CUM DEV FROM L YR. Rows list various cities and their corresponding weather data.

National Weather Data for Selected Cities

Weather Data for the Week Ending May 10, 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 MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F					
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	86	59	93	43	73	5	1	0	-1.1	0	3.1	23	6.0	26	82	36	2	1	0	0	0
MOBILE	85	64	93	52	74	1	1	0	-1.3	0	6.7	49	13.5	58	98	51	1	1	0	0	0
MONTGOMERY	87	59	94	46	73	3	3	0	-1.0	0	9.8	84	17.0	83	91	41	2	0	0	0	0
AK ANCHORAGE	48	36	52	32	42	-2	2	0	.5	.3	2.6	168	3.4	103	81	49	0	0	2	2	0
BARROW	27	16	31	12	22	-9	9	0	0	0	.2	41	.5	63	98	86	0	0	7	1	0
FAIRBANKS	54	33	58	30	44	0	0	0	.1	.1	.5	61	.8	47	84	33	0	0	4	2	0
JUNEAU	51	39	58	31	45	0	0	0	-.8	0	9.5	129	19.8	134	96	55	0	0	4	1	0
KODIAK	47	35	51	28	41	-1	1	0	-1.0	.6	8.3	73	24.9	96	90	53	0	0	2	3	1
NOME	35	26	38	23	31	-1	1	0	0	0	.8	56	1.7	63	91	66	0	0	7	2	0
AZ PHOENIX	85	60	93	54	73	-2	2	0	-1.1	0	1.6	134	2.9	116	31	10	1	0	0	0	0
PRESCOTT	68	37	74	32	53	-2	2	0	-1.1	0	2.0	80	3.1	54	48	17	0	0	1	1	0
TUCSON	84	52	92	44	68	-2	2	0	-1.1	0	1.3	117	3.4	131	32	8	3	0	0	0	0
YUMA	85	59	92	54	72	-4	4	0	0	0	.2	46	.5	50	47	15	2	2	0	0	0
AR FORT SMITH	83	62	87	50	73	-7	7	0	-.7	-.7	9.8	102	13.6	97	93	52	0	0	0	1	1
LITTLE ROCK	83	64	87	53	73	5	5	0	-.2	-.2	101	15.5	81	80	51	0	0	0	0	1	1
CA BAKERSFIELD	74	49	83	44	62	-7	7	0	-.2	-.2	2.4	140	4.3	116	65	25	0	0	0	3	1
EUREKA	58	46	61	42	52	1	1	0	-.6	-.6	9.8	114	27.0	130	92	62	0	0	0	0	1
FRESNO	76	48	86	42	62	-3	3	0	-1.1	-1.1	3.9	134	9.7	143	76	26	0	0	0	0	0
LOS ANGELES	70	54	77	51	62	-3	3	0	-1.1	-1.1	5.2	185	12.9	154	88	49	0	0	0	0	0
RED BLUFF	71	46	84	39	59	-6	6	0	-.6	-.6	8.4	200	21.9	183	80	34	0	0	0	3	1
SACRAMENTO	73	46	84	37	59	-4	4	0	-1.1	-1.1	4.1	116	16.3	155	87	31	0	0	0	0	0
SAN DIEGO	69	56	75	52	63	0	0	0	-1.1	-1.1	4.2	171	7.6	127	82	45	0	0	0	0	0
SAN FRANCISCO	66	48	80	45	57	0	0	0	-1.1	-1.1	6.4	145	18.6	151	87	46	0	0	1	1	0
CO DENVER	66	42	85	34	54	0	0	0	-.3	-.3	3.4	88	4.2	84	69	28	0	0	0	2	0
GRAND JUNCTION	64	39	80	32	52	-7	7	0	-.4	-.4	1.6	92	2.1	72	72	30	0	0	1	3	0
PUEBLO	76	40	88	30	58	-7	7	0	-.3	-.3	1.3	62	1.7	63	61	18	0	0	1	1	0
CT BRIDGEPORT	67	46	85	36	57	1	1	0	-.7	-.7	4.1	46	10.0	67	80	39	0	0	0	2	0
HARTFORD	68	41	83	32	55	-2	2	0	-.5	-.5	4.6	49	12.9	81	82	38	0	0	1	2	0
DC WASHINGTON	79	52	91	39	66	2	2	0	-.8	-.8	2.7	36	8.6	67	79	27	1	0	0	0	0
FL APALACHICOLA	84	65	98	59	75	2	2	0	-.6	-.6	2.5	30	11.7	76	94	60	0	0	0	0	0
DAYTONA BEACH	83	65	91	60	74	0	0	0	-.3	-.3	2.6	44	11.0	96	96	57	0	0	0	2	0
JACKSONVILLE	83	58	92	48	71	-2	2	0	-.8	-.8	6.6	78	15.5	103	96	47	2	0	0	2	0
KEY WEST	84	74	86	78	79	-1	1	0	-.7	-.7	2.6	72	5.9	82	85	63	0	0	0	2	1
MIAMI	83	70	90	66	77	-1	1	0	1.0	1.0	13.4	203	20.2	189	89	53	1	0	0	5	2
ORLANDO	87	65	93	61	76	0	0	0	-.6	-.6	3.2	50	12.2	109	93	45	2	0	0	0	0
TALLAHASSEE	88	61	95	57	75	3	3	0	-1.1	-1.1	2.9	26	15.2	73	96	38	3	0	0	0	0
TAMPA	87	67	91	64	77	1	1	0	1.2	1.2	7.1	116	10.8	96	94	48	1	0	0	3	2
WEST PALM BEACH	84	71	93	65	78	1	1	0	-1.0	-1.0	5.9	79	13.8	108	90	51	1	0	0	2	0
GA ATLANTA	83	59	90	47	71	4	4	0	-.8	-.8	4.8	41	8.2	39	83	35	1	0	0	1	0
AUGUSTA	85	54	94	40	69	1	1	0	-.3	-.3	4.8	51	8.7	50	97	33	3	0	0	2	0
MACON	87	58	96	45	73	2	2	0	-.8	-.8	3.1	31	8.8	47	92	33	3	0	0	0	0
SAVANNAH	85	58	96	48	71	0	0	0	-.9	-.9	3.3	39	10.6	73	94	37	3	0	0	1	0
HI HILO	83	68	85	65	76	3	3	0	.6	1.4	61.3	203	66.7	126	94	58	0	0	0	5	3
HONOLULU	86	72	87	68	79	2	2	0	.1	-.4	.9	16	2.4	20	87	51	0	0	0	1	0
KAHULUI	85	68	90	64	77	2	2	0	.2	-.3	7.2	165	9.4	80	90	58	1	0	0	2	0
LIHUE	81	72	82	70	77	2	2	0	.1	-.7	4.4	50	5.7	30	91	67	0	0	0	3	1
ID BOISE	59	40	65	34	50	-5	5	0	-.4	-.4	4.5	171	9.2	174	91	35	0	0	0	6	0
LEWISTON	60	43	67	40	52	-4	4	0	-.3	-.3	1.4	55	4.1	85	72	38	0	0	0	0	0
POCATELLO	50	34	57	32	42	-9	9	0	-.9	-.9	4.6	186	8.3	184	95	53	0	0	1	6	0
IL CHICAGO	74	51	84	45	62	6	6	0	-.7	-.7	3.3	46	6.3	62	80	41	0	0	0	0	0
MOLINE	80	56	84	53	68	9	9	0	-.7	-.7	4.8	59	7.7	69	77	43	0	0	0	3	0
PEORIA	81	57	85	50	69	10	10	0	-.6	-.6	3.2	32	4.6	42	81	44	0	0	0	1	0
QUINCY	79	61	86	53	70	10	10	0	-.8	-.8	4.3	51	6.5	58	88	51	0	0	0	2	0
ROCKFORD	78	52	80	46	65	9	9	0	-.5	-.5	3.3	41	6.5	61	85	39	0	0	0	2	0
SPRINGFIELD	83	59	86	54	71	10	10	0	-.6	-.6	3.7	45	5.6	48	80	43	0	0	0	2	1
IN EVANSVILLE	85	55	89	38	70	7	7	0	-.9	-.9	5.0	50	12.0	75	92	38	0	0	0	1	0
FORT WAYNE	76	51	83	34	64	-4	4	0	-.4	-.4	7.0	92	10.6	91	86	42	0	0	0	2	0
INDIANAPOLIS	78	52	82	37	65	5	5	0	1.4	1.7	10.6	125	14.2	104	85	42	0	0	0	2	1
SOUTH BEND	76	50	83	38	63	7	7	0	.1	-.7	5.0	62	8.7	69	82	40	0	0	0	2	1
IA DES MOINES	79	57	85	52	68	9	9	0	1.1	1.1	10.5	159	12.4	143	83	48	0	0	0	4	1
SIoux CITY	78	54	84	47	66	8	8	0	-.5	-.5	9.9	198	10.7	165	85	43	0	0	0	2	1
WATERLOO	75	54	80	45	65	9	9	0	.4	.6	5.6	79	8.4	94	81	43	0	0	0	4	1
KS CONCORDIA	77	57	81	52	67	7	7	0	-.2	-.3	6.0	114	7.3	109	92	50	0	0	0	4	0
DODGE CITY	82	53	87	41	67	6	6	0	-.4	-.3	2.6	61	3.1	58	84	33	0	0	0	1	0
GOODLAND	80	42	91	32	61	5	5	0	-.6	0	2.1	68	2.5	66	79	15	1	0	0	0	0
TOPEKA	79	61	84	54	70	8	8	0	3.2	1.1	9.1	142	10.7	129	94	60	0	0	0	6	4
WICHITA	82	61	91	54	71	8	8	0	-.3	-.4	3.5	65	4.8	69	90	52	0	0	0	3	0
KY BOWLING GREEN	83	53	88	35	68	4	4	0	-.9	-.9	5.4	49	10.1	52	88	33	0	0	0	0	0
LEXINGTON	80	54	88	36	67	6	6	0	-.5	-.5	4.7	46	7.7	45	85	41	0	0	0	1	1
LOUISVILLE	82	55	86	37	68	5	5	0	-.9	1.5	5.8	57	10.6	63	81	35	0	0	0	2	1
LA ALEXANDRIA	85	66	89	52	76	3	3	0	-1.4	T	5.8	46	9.1	40	89	47	0	0	0	1	0
BATON ROUGE	87	66	89	53	77	4	4	0	-1.2	T	5.7	47	10.9	50	91	43	0	0	0	1	0
LAKE CHARLES	82	67	85	55	75	2	2	0	-1.1	0	6.0	68	9.6	57	97	61	0	0	0	2	0
NEW ORLEANS	86	67	91	60	76	3	3	0	-1.2	T	3.4	31	9.8	46	97	50	1	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 10, 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 MAR. 1	PCT. NORMAL SINCE MAR. 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	
SHREVEPORT	83	62	88	49	73	2	.5	-.7	.3	6.1	60	10.0	57	98	57	0	0	0	0	
ME CARIBOU	56	33	70	25	45	-2	.1	-.5	.1	4.8	80	10.8	104	85	37	0	0	2	0	
PORTLAND	52	38	62	28	45	-5	.4	-.4	.3	8.1	90	17.3	105	90	58	2	2	3	0	
MD BALTIMORE	79	48	91	35	63	3	0	0	0	3.6	44	9.5	67	79	28	1	0	0	0	
SALISBURY	77	48	89	35	62	3	0	0	0	2.6	31	10.6	71	81	28	0	0	0	0	
MA BOSTON	54	43	64	36	48	-8	.1	-.7	.1	5.1	56	11.4	68	84	55	0	0	2	0	
CHATHAM	51	43	55	36	47	-3	.3	-.5	.1	5.4	59	11.0	63	93	90	0	0	3	0	
MI ALPENA	70	41	88	26	55	-3	.7	-.6	.1	4.1	78	6.2	75	90	38	0	1	0	0	
DETROIT	73	49	82	35	61	6	.3	-.3	.3	5.4	81	10.1	100	79	37	0	0	1	0	
FLINT	73	47	81	32	60	6	.4	-.2	.4	4.5	74	7.4	81	77	37	0	1	1	0	
GRAND RAPIDS	74	49	81	34	61	7	.7	-.7	.7	4.9	70	9.3	89	80	38	0	0	0	0	
HOUGHTON LAKE	71	45	81	32	58	8	.8	-.6	.8	4.0	75	6.8	84	78	36	0	1	0	0	
LANSING	73	46	80	34	60	6	.1	-.5	.1	3.6	61	7.1	77	80	41	0	0	1	0	
MARQUETTE	68	42	82	30	55	8	.8	-.9	.8	7.1	93	11.3	97	81	42	0	1	0	0	
MUSKOGON	72	48	77	37	60	7	.7	-.6	.7	3.5	53	7.1	67	76	38	0	0	0	0	
MN SAULT STE. MARIE	67	40	81	27	54	7	.3	-.3	.2	6.0	112	8.6	93	95	48	0	1	2	0	
ALEXANDRIA	67	46	81	40	57	5	1.9	1.3	1.8	9.6	228	11.6	204	90	54	0	0	2	2	
DULUTH	57	38	81	35	48	1	1.4	-.7	.7	6.3	132	7.7	112	93	63	0	0	3	2	
INT'L FALLS	61	45	77	37	53	5	.3	-.2	.1	3.9	176	5.5	110	91	53	0	0	4	0	
MINNEAPOLIS	68	51	82	46	59	4	1.9	1.3	1.4	9.8	212	11.5	183	82	51	0	0	3	3	
ROCHESTER	70	48	82	37	59	5	1.0	-.3	.7	7.0	133	8.2	122	85	48	0	0	2	1	
MS GREENWOOD	86	63	90	48	75	4	.4	-.8	.4	5.2	38	7.2	31	91	41	1	0	1	0	
JACKSON	87	61	92	42	74	4	.1	-.1	.1	5.2	39	7.5	33	94	40	2	0	1	0	
MERIDIAN	87	60	92	42	74	4	.1	-.9	.1	5.4	40	8.7	38	97	43	2	1	1	0	
MO CAPE GIRARDEAU	85	61	90	44	73	1	.3	-.8	.2	6.5	58	10.2	60	83	42	1	0	2	0	
COLUMBIA	81	61	87	51	71	9	.6	-.4	.5	4.4	53	8.6	72	89	57	0	0	3	3	
KANSAS CITY	80	61	84	55	71	9	1.9	-.9	.7	5.4	78	6.7	73	91	56	0	0	5	1	
SAINT LOUIS	84	64	89	55	74	11	.1	-.6	.1	2.8	35	7.5	64	77	43	0	0	3	0	
SPRINGFIELD	78	61	83	52	70	7	.7	-.1	.5	6.9	78	8.9	71	89	56	0	0	2	0	
MT BILLINGS	52	36	74	32	44	-8	1.8	1.3	.8	5.6	152	7.7	143	91	59	0	2	4	2	
GLASGOW	55	37	82	34	46	-6	2.1	1.8	.7	2.8	162	3.6	138	94	64	0	0	6	1	
GREAT FALLS	50	37	54	35	43	-7	.9	-.4	.4	3.8	123	5.1	104	94	64	0	0	6	0	
HAVRE	52	38	68	33	45	-7	1.4	1.1	.8	2.2	108	3.3	110	94	55	0	0	3	2	
HELENA	51	37	56	28	44	-6	.6	-.3	.4	2.1	98	3.6	109	86	51	0	0	5	3	
KALISPELL	58	37	63	34	48	-2	1.4	1.1	1.4	2.8	119	6.9	135	88	42	0	0	3	1	
MILES CITY	54	37	85	33	46	-8	2.9	2.4	1.0	4.2	163	5.4	146	95	64	0	0	4	4	
MISSOULA	56	38	60	29	47	-3	.8	-.5	.7	2.0	87	5.1	113	98	45	0	1	4	1	
NE GRAND ISLAND	79	54	84	43	66	8	.7	-.1	.7	5.3	100	5.8	88	81	40	0	0	2	1	
LINCOLN	79	55	84	45	67	8	.7	-.1	.5	9.3	158	9.9	130	86	45	0	0	2	1	
NORFOLK	78	54	83	47	66	9	.7	0	.7	7.9	165	9.1	149	83	38	0	0	1	1	
NORTH PLATTE	76	48	88	39	62	7	.1	-.6	.1	4.6	116	5.7	116	84	35	0	0	1	0	
OMAHA	78	57	84	52	68	9	1.4	-.5	.7	11.6	193	12.5	164	78	51	0	0	3	3	
SCOTT'S BLUFF	65	38	86	33	51	-3	.5	0	.3	3.8	121	5.8	145	82	37	0	0	3	0	
VALENTINE	70	42	93	33	56	2	.9	-.3	.8	5.3	152	6.0	140	83	38	1	0	2	1	
NV ELY	53	28	62	21	41	-7	.5	-.2	.3	3.3	150	4.3	119	88	38	0	6	4	0	
LAS VEGAS	78	53	88	49	66	-5	.1	-.1	.1	4.8	58	.8	47	39	12	0	0	0	0	
RENO	60	33	73	27	47	-6	.1	0	.1	1.8	126	7.0	194	78	25	0	4	3	0	
WINNEMUCCA	57	29	66	23	43	-9	.9	-.7	.7	2.0	118	3.2	97	89	31	0	5	3	1	
NH CONCORD	57	36	74	25	46	-6	.3	-.4	.2	5.8	83	13.0	107	98	54	0	3	3	0	
NJ ATLANTIC CITY	76	45	91	33	60	3	.3	-.7	.7	6.5	78	13.7	91	80	27	1	0	0	0	
NM ALBUQUERQUE	74	45	82	37	59	-2	.1	-.1	.1	.7	69	1.9	100	54	15	0	0	0	0	
CLOVIS	82	49	86	40	65	2	.2	-.4	.2	.5	27	1.8	58	52	13	0	0	0	0	
ROSWELL	86	52	92	43	69	1	0	0	0	.4	51	1.6	114	42	9	2	0	0	0	
NY ALBANY	71	41	81	32	56	1	.1	-.7	0	5.3	77	11.5	99	95	36	0	1	3	0	
BINGHAMTON	69	45	81	30	57	5	.2	-.5	.2	6.3	89	12.4	104	79	30	0	1	1	0	
BUFFALO	67	47	76	35	57	4	.4	-.7	.7	5.3	76	10.2	82	76	38	0	0	1	0	
NEW YORK	74	49	89	42	61	2	.1	-.7	.1	5.7	63	12.9	85	84	35	0	0	2	0	
ROCHESTER	68	45	79	31	57	3	.3	-.6	.7	5.8	97	9.9	93	83	37	0	1	0	0	
SYRACUSE	70	43	81	27	57	3	.3	-.7	.7	6.3	85	10.9	86	92	38	0	1	1	0	
NC ASHEVILLE	76	44	81	29	60	-1	.4	-.5	.4	3.7	36	6.7	39	94	41	0	1	2	0	
CHARLOTTE	79	56	88	45	68	2	0	-.8	0	4.2	46	6.2	37	81	36	0	0	0	0	
GREENSBORO	78	51	90	33	64	0	0	-.7	.7	2.6	32	4.9	33	85	39	1	0	0	0	
HATTERAS	71	56	81	42	64	-1	.1	-.9	.9	3.2	38	10.3	60	85	50	0	0	0	0	
NEW BERN	80	52	93	44	66	-1	0	-.9	0	4.6	58	9.6	60	87	31	1	0	0	0	
RALEIGH	78	51	91	38	65	-1	0	-.8	0	4.1	53	7.7	52	80	34	1	0	0	0	
WILMINGTON	81	54	93	42	68	-1	.1	-.7	.1	4.7	57	9.3	61	86	36	2	0	1	1	
ND BISMARCK	63	39	88	31	51	-1	1.6	1.2	1.2	5.5	195	6.1	161	94	53	0	1	4	1	
FARGO	65	45	84	38	55	3	.5	0	.5	5.9	173	7.1	161	90	57	0	0	2	1	
GRAND FORKS	68	44	86	35	56	5	.3	-.1	.2	2.6	99	3.6	92	92	49	0	0	3	0	
WILLISTON	57	39	83	32	48	-3	2.2	1.9	1.2	5.6	238	6.6	194	96	63	0	1	5	2	
OH AKRON-CANTON	73	47	82	33	60	4	.5	-.4	.5	4.4	56	8.9	71	84	38	0	0	1	0	
CINCINNATI	79	53	85	33	66	6	1.5	-.7	1.5	6.2	71	10.1	70	87	40	0	0	1	1	
CLEVELAND	71	48	83	32	60	4	.8	0	.8	7.1	96	12.4	102	86	41	0	1	1	1	
COLUMBUS	78	50	83	30	64	6	.2	-.7	.2	4.1	52	8.6	67	81	35	0	1	1	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 10, 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 MAR. 1	PCT. NORMAL SINCE MAR. 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
DAYTON	77	51	82	36	64	5	.6	-.3	7.3	95	12.6	102	82	40	0	0	2	0	
TOLEDO	74	48	84	30	61	5	1.6	-.3	5.8	88	9.2	88	83	39	0	1	1	1	
YOUNGSTOWN	72	46	82	32	59	5	1.1	1.1	4.6	58	7.7	60	83	33	0	1	1	1	
OK OKLAHOMA CITY	81	62	88	55	72	6	2.5	1.3	8.7	131	9.4	106	90	56	0	0	4	1	
TULSA	80	66	83	55	73	6	1.2	1.2	9.2	104	10.4	87	90	57	0	0	2	1	
OR ASTORIA	56	43	59	38	50	-1	-.9	-.2	10.3	80	31.0	97	92	63	0	0	4	1	
BURNS	—	33	99	33	—	—	0	0	1.6	135	6.5	325	—	—	0	0	0	0	
MEDFORD	61	38	68	35	49	-6	-.4	-.1	2.3	70	9.6	108	93	39	0	0	5	0	
PENDLETON	60	40	64	32	50	-6	-.4	-.2	2.2	89	6.4	121	77	39	0	1	2	0	
PORTLAND	57	44	64	41	50	-5	-.8	-.4	5.8	87	15.7	94	95	62	0	0	4	0	
SALEM	57	42	63	33	49	-4	-.5	0	5.8	78	20.3	107	93	60	0	0	6	0	
PA ALLENTOWN	77	46	89	35	62	5	1.1	-.1	6.5	72	15.1	98	80	26	0	0	0	0	
ERIE	67	47	78	33	57	5	.7	0	5.8	78	10.9	90	81	42	0	0	1	0	
HARRISBURG	75	48	84	37	62	3	2.2	-.6	7.4	95	14.2	105	79	30	0	0	2	0	
PHILADELPHIA	77	50	90	37	64	4	1.1	-.7	5.7	69	13.2	92	72	26	1	1	0	0	
PITTSBURGH	74	48	83	33	61	4	1.1	-.3	3.8	47	9.7	73	72	31	0	0	0	0	
SCRANTON	73	47	84	34	60	5	1.1	-.7	7.3	110	12.5	114	74	27	0	0	1	0	
RI PROVIDENCE	63	42	78	31	52	-2	-.4	-.5	5.3	56	14.4	84	85	42	0	1	3	0	
SC CHARLESTON	83	58	93	48	71	0	0	1.1	3.6	44	9.7	66	96	39	2	0	1	0	
COLUMBIA	85	53	93	36	69	0	0	1.1	3.6	37	6.2	34	88	27	2	0	0	0	
FLORENCE	85	55	94	45	70	1	1	-.6	3.7	46	6.0	40	88	39	3	0	1	0	
GREENVILLE	82	53	90	39	67	1	1	-.9	3.7	32	6.3	31	87	34	1	0	0	0	
SD ABERDEEN	63	47	81	42	55	2	2.4	1.9	2.4	290	11.7	244	90	58	0	0	2	1	
HURON	66	46	80	34	56	2	2.0	1.4	1.5	8.7	216	9.5	183	97	59	0	4	1	
RAPID CITY	61	40	91	34	51	-2	1.4	-.8	5.7	188	8.5	177	86	46	1	0	3	0	
STOUGHT FALLS	72	50	82	38	61	6	1.7	1.1	1.0	8.4	171	9.1	144	86	49	0	4	0	
TN CHATTANOOGA	85	55	91	40	70	5	1.7	-.1	2.7	22	7.4	33	95	34	2	0	0	0	
KNOXVILLE	84	51	87	32	67	2	2	-.8	3.9	37	8.9	46	87	35	0	1	0	0	
MEMPHIS	85	64	92	47	75	6	1.8	-.5	7.7	6.5	50	9.5	43	86	47	2	0	1	
NASHVILLE	86	54	89	35	70	5	1.1	0	2.9	25	6.7	33	84	32	0	0	0	0	
TX ABILENE	89	65	98	60	77	7	1.7	-.7	1.5	34	3.0	47	87	34	3	0	1	0	
AMARILLO	84	53	91	41	69	6	1.1	-.4	1.1	9	1.9	51	70	14	2	0	2	0	
AUSTIN	81	67	88	58	74	1	2.4	1.4	2.2	6.2	101	7.8	76	92	65	0	5	1	
BEAUMONT	83	69	86	55	76	2	1.1	-.1	8.0	94	10.9	66	95	62	0	0	1	0	
BROWNSVILLE	88	73	89	66	81	3	1.1	-.3	1.6	58	2.8	51	93	59	0	0	1	0	
CORPUS CHRISTI	84	73	86	67	78	2	1.2	-.6	1.1	2.5	67	5.3	77	95	67	0	2	1	
DEL RIO	88	70	94	65	79	3	0	0	1.0	30	2.8	61	76	39	3	0	0	0	
EL PASO	84	55	90	39	69	0	0	0	4.4	72	.8	57	35	9	1	0	0	0	
FORT WORTH	80	64	84	54	72	1	2.1	1.0	1.2	8.5	113	11.0	99	90	64	0	3	2	
GALVESTON	79	71	81	66	75	1	1.0	1.0	3.9	68	6.3	57	92	73	0	1	1	0	
HOUSTON	85	70	88	58	77	4	1.3	-.7	6.0	70	9.5	64	89	54	0	0	0	0	
LUBBOCK	88	55	93	46	73	7	1.1	-.5	1.1	42	2.1	58	90	13	3	0	2	0	
MIDLAND	90	60	96	51	75	6	1.2	-.3	2.2	12	.6	20	80	16	3	0	0	0	
SAN ANGELO	90	65	97	58	77	6	1.9	1.3	2.5	74	3.4	71	86	28	4	0	2	1	
SAN ANTONIO	83	68	89	63	76	2	1.4	-.4	3.3	32	5.0	58	93	60	0	0	4	0	
VICTORIA	84	70	87	63	77	2	2.6	1.7	4.2	80	5.8	62	97	62	0	0	2	1	
WACO	84	65	87	55	75	3	2.7	1.5	7.2	97	11.8	106	92	54	0	0	3	3	
WICHITA FALLS	85	63	92	55	74	5	1.6	-.4	4.9	80	6.0	74	92	51	1	0	4	0	
UT BLANDING	58	35	73	30	47	-7	-.3	-.2	3.3	159	4.2	108	79	40	0	3	1	0	
CEDAR CITY	59	33	69	25	46	-7	-.8	-.5	3.3	141	4.1	108	83	33	0	3	3	1	
SALT LAKE CITY	57	38	69	35	48	-9	2.9	2.6	1.2	9.8	218	12.0	167	87	42	0	0	3	0
VT BURLINGTON	63	41	76	31	52	0	-.8	-.2	4.9	84	10.3	108	96	46	0	1	5	0	
VA NORFOLK	75	54	92	45	65	1	1.1	-.8	4.0	51	9.2	62	75	33	1	0	0	0	
RICHMOND	79	48	92	32	64	0	-.3	-.5	2.6	34	7.9	57	84	25	2	1	2	0	
ROANOKE	78	48	90	32	63	1	-.2	-.6	3.3	41	7.0	50	86	32	1	1	3	0	
WA COLVILLE	63	37	68	34	50	-2	-.4	0	5.5	202	10.9	170	88	57	0	0	3	0	
QUILLAYUTE	57	41	59	32	49	-1	-.6	-.3	20.6	102	49.4	104	99	57	0	1	5	0	
SEATTLE-TACOMA	55	44	62	41	50	-4	-.5	-.1	4.9	75	17.8	106	91	59	0	0	4	0	
SPOKANE	58	37	65	35	48	-5	-.5	-.3	3.3	114	8.4	122	90	41	0	0	1	0	
YAKIMA	63	38	69	32	50	-5	-.9	-.8	1.8	146	4.9	144	80	37	0	1	3	1	
WV BECKLEY	75	48	83	29	61	4	1.8	-.1	5.1	57	9.3	60	77	32	0	1	2	0	
CHARLESTON	81	49	89	29	65	4	1.6	-.3	3.8	44	10.3	67	90	28	0	1	2	0	
HUNTINGTON	82	52	90	30	67	5	1.6	-.7	4.1	47	9.0	60	81	29	1	1	2	1	
PARKERSBURG	78	50	84	31	64	4	1.4	-.6	3.3	4.1	4.8	60	86	35	0	0	0	0	
WI GREEN BAY	70	47	80	37	58	6	0	-.7	4.8	85	6.2	79	88	45	0	0	2	0	
LA CROSSE	76	52	82	43	64	8	1.5	-.3	5.8	94	7.1	90	77	40	0	0	1	0	
MADISON	75	47	78	41	61	7	1.1	-.6	3.9	62	7.6	90	85	41	0	0	1	0	
MILWAUKEE	69	48	82	41	59	7	1.1	-.5	3.8	55	8.6	88	83	48	0	0	0	0	
WAUSAU	72	47	78	42	60	8	0	-.8	4.7	79	6.0	77	80	36	0	0	1	0	
WY CASPER	56	34	80	29	45	-5	-.8	-.3	3.2	101	4.5	105	82	43	0	4	3	0	
CHEYENNE	58	35	79	30	46	-3	-.3	-.2	3.0	103	3.6	97	76	35	0	4	3	0	
LANDER	52	35	76	28	43	-6	1.6	1.0	4.8	100	5.6	104	83	43	0	3	3	2	
SHERIDAN	55	35	84	30	45	-5	-.7	-.2	2.7	71	4.5	85	93	45	0	4	4	0	
PR SAN JUAN	85	71	87	69	78	-2	1.2	0	14.6	190	17.9	142	98	66	0	0	6	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

National Agricultural Summary

MAY 4 TO MAY 11, 1986

HIGHLIGHTS: Dryness hampered seeding, germination and crop development in the Southeast while rain and cooler temperatures slowed seeding and crop development in the northern Great Plains and northern Rockies. Much needed rain aided crop growth and development from Texas to the central Plains and in the Corn Belt. Fieldwork averaged 5 days or more in most areas of the Nation. However, precipitation slowed fieldwork to 3 days or less in North Dakota, South Dakota, Idaho, and Wyoming. Moisture shortages existed from the northeast along the east coast to the Southeast. Soil moisture improved in some Delta States but declined in a few central Plain and Corn Belt States.

Farmers planted nearly one-third of the corn acreage in the 17 major producing States. Planting surged to 64 percent (%) completion, 15 points ahead of normal. Sorghum was 36% seeded compared with 31% in 1985 and the 28% average. Soybean planting was up 10 points to 14% completion. This was 5 points ahead of schedule. Cotton was slightly more than half seeded, but dry weather slowed seeding and growth in the Southeast. Rice was 76% planted, 17 points ahead of normal. Seeding was finished in Texas and neared completion in Louisiana and Mississippi. Livestock was mostly good. Pasture conditions continued declining in the Southeast.

SMALL GRAINS: Winter wheat was fair to good except in the Southeast where conditions were mostly poor to fair. The lack of moisture continued spreading into some central Great Plain and Corn Belt States. Winter wheat was 56% headed in 17 of the 20 major producing States compared with 47% in 1985 and 31% normally. Crop maturity continued pushing ahead of normal in most States. However, heading had not begun in Idaho, Michigan, Montana, Oregon, South Dakota, and Washington. Cold, wet weather has been the main reason for slow crop development in these States. Small grains continued turning color throughout the Delta and harvest was underway in Arizona, California, and Texas. Harvest is expected to begin soon in Oklahoma where 50% of the wheat acreage reached the soft dough stage. In southern Texas, wheat harvest was finished where the crop was mature. Harvest was expected to expand quickly as fields dried in the Blacklands and central areas.

Kansas wheat was mostly fair to good. Several wheat diseases were present, but wheat streak mosaic and speckled leaf blotch were most prevalent. Wheat was mostly good to fair in Nebraska. Seventy percent of the acreage was jointing and heading was just beginning.

Rain and cold weather hampered spring wheat seeding, which ended the week 47% finished. Normally 73% of the crop would have been seeded by this time. Spring wheat seeding fell behind normal in Montana and continued lagging behind normal in Minnesota, North Dakota, and South Dakota. Seeding registered a 53 point departure from normal in Minnesota, 26 points in North Dakota and 33 points in South Dakota.

CORN: Insufficient moisture slowed corn planting, germination and growth in the Southeast. However, seeding leaped 29 points ahead of the previous week to 64% completion. Last year the corn crop was 75% seeded and slightly less than half the acreage would be seeded normally. Corn planting was nearly finished in the Southeast and approached completion in Illinois, Kansas, and Missouri. Corn was tasselling in south Texas.

Dryness caused replanting in North Carolina and Virginia.

SORGHUM: The 11 major sorghum producing States seeded 36% of the acreage compared with 31% last year and the 28% average. Seeding nearly doubled normal in Mississippi and was ahead of normal in nearly all States. Seeding had not begun in South Dakota which was normal. Early planting sorghum was heading in Texas.

SOYBEANS: Soybeans were 14% planted in the 19 major producing States, 5 points above the average. Seeding ranged from not started in South Dakota to 29% complete in Illinois. Seeding lagged behind normal because of the lack of moisture in the Southeast. Rain delayed planting in the northern Plains and northern Rockies.

COTTON: Cotton was 54% planted, 4 points ahead of normal. Seeding was 26 and 27 points behind normal in Alabama and Georgia, respectively. Georgia's emerged cotton was fair to poor. Conditions were worse in South Carolina, ranging from very poor to fair. Cotton planting expanded in the Texas Plains. Insects damaged cotton in southern Texas. Dry weather hampered growth in Alabama. Seeding was virtually complete in Arizona and California.

OTHER CROPS: Rice planting ended in Texas and was almost finished in Louisiana and Mississippi. Rain helped emergence in Texas. California's rice acreage was 15% seeded, 6 points below the average.

Moisture shortages stressed tobacco in the Southeast. Crop condition was mostly poor to fair. Some farmers irrigated to combat the lack of moisture. Tobacco plants grew slowly and unevenly in Kentucky. Some plants were large enough to transplant, but soils were too dry. Some tobacco beds were reseeded.

Peanuts were planted in all major producing States except Oklahoma. Georgia's peanuts were 34% seeded, 17 points behind normal as a result of dryness. Normally, 46% of North Carolina's peanut acreage is seeded by this time, but this year seeding was 65% complete. Seeding progressed normally in Texas.

FRUIT AND NUTS: Rain was received in most Florida citrus areas, but irrigation continued to combat dryness. Trees were still shedding excess new crop fruit. Tree condition was good in well maintained groves. Valencia orange harvest remained very active but grapefruit harvest slowed.

Early variety peaches were harvested in Texas. Quality should be good but supplies are expected to be limited. Pecans bloomed across the State. Spraying for casebearers was underway, much earlier than in past years. Rain was helpful for nut set.

Nectarines, peaches, and apricots were harvested in Arizona. Valencia oranges and grapefruit were picked. Nut and fruit tree spraying continued. In California, early Freestone peaches were packed and Clingstone peach varieties were thinned. Apricot harvest was underway and cherry harvest gained momentum. Grape growers applied gibberellic acid to table grapes.

VEGETABLES: Florida's spring vegetable harvest continued its seasonal decline in southern areas but rapidly increased in central areas. Celery, sweet corn, cucumbers, lettuce, peppers, potatoes, radishes, tomatoes, and watermelon increased in volume.

Rio Grande Valley onion and cabbage shipments decreased. Rain helped crops but irrigation continued where needed. In east Texas vegetable supplies were good. Vegetables made excellent progress in north Texas.

Dry onions, sweet corn, artichokes, and mixed vegetables were shipped in Arizona. Lettuce was packed in the Wilcox area. California vegetable harvest consisted mostly of asparagus, snap beans, broccoli, carrots, cauliflower, celery, sweet corn, and lettuce.

PASTURES AND LIVESTOCK: Pastures continued deteriorating in the Southeast. Moisture improved pastures in the Corn Belt and central Plains. Livestock was mostly good.

WEEKLY CROP WEATHER CONDITION PERCENT REPORT FOR WEEK ENDING MAY 11, 1986

WINTER WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	41	59	0
CALIF	NA	0	50	20	30
COLO	3	4	37	51	5
GA	7	37	50	6	0
IDAHO	0	3	6	79	12
ILL	2	19	45	33	1
IND	NA	6	54	37	3
KANS	7	13	42	28	10
MICH	5	10	25	45	15
MO	NA	45	43	11	1
MONT	0	0	20	80	0
NEBR	0	0	25	62	13
N MEX	15	15	51	19	0
N C	NA	54	42	4	0
OHIO	0	0	29	67	4
OKLA	NA	10	60	30	0
OREG	0	0	65	35	0
S DAK	0	1	17	68	14
TEX	1	17	58	22	2
WASH	NA	0	40	50	10

CROP PROGRESS

FOR WEEK ENDING MAY 11, 1986

SOYBEANS
% PLANTED

	1986	1985	AVG.
ALA	7	12	12
ARK	10	5	7
GA	4	20	10
ILL	29	29	13
IND	15	20	8
IOWA	8	23	8
KANS	10	5	3
KY	13	6	6
LA	26	12	9
MICH	5	10	5
MINN	2	17	9
MISS	11	9	8
MO	20	21	11
NEBR	5	6	2
N C	8	13	11
OHIO	20	32	16
S C	1	5	7
S DAK	0	0	0
TENN	9	10	8

CORN
% PLANTED

	1986	1985	AVG.
COLO	72	63	56
GA	95	99	95
ILL	89	85	58
IND	70	80	45
IOWA	65	89	56
KANS	85	60	40
KY	80	65	48
MICH	55	70	40
MINN	32	68	43
MO	85	82	55
NEBR	60	60	35
N C	97	96	90
OHIO	70	85	45
PA	44	49	28
S DAK	7	47	23
TEX	100	97	95
WIS	43	54	29

19 STATES 14 18 9
THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

17 STATES 64 75 49
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

GRAIN SORGHUM
% PLANTED

	1986	1985	AVG.
ARK	79	55	52
ILL	20	5	4
KANS	10	5	3
LA	87	81	69
MISS	62	49	34
MO	36	21	18
NEBR	5	15	5
OKLA	15	5	10
S DAK	0	0	0
TENN	45	25	NA
TEX	71	68	68

11 STATES 36 31 NA
EXCL. STATES WITH NA 36 31 28

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP. THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

COTTON
% PLANTED

	1986	1985	AVG.
ALA	50	90	76
ARIZ	98	95	96
ARK	68	60	56
CALIF	95	95	96
GA	30	76	57
LA	90	71	63
MISS	83	56	62
MO	90	23	43
N MEX	65	85	63
N C	75	78	62
OKLA	15	20	5
S C	79	96	90
TENN	75	65	55
TEX	27	36	28

14 STATES 54 55 50

GRAIN SORGHUM

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	32	68	0
LA	0	0	56	44	0
MISS	0	7	65	23	5
TEX	0	3	45	50	2

COTTON

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARIZ	0	0	0	97	3
ARK	0	6	0	88	6
CALIF	NA	0	25	50	25
GA	2	41	51	6	0
LA	0	0	60	40	0
MISS	0	0	67	29	4
N MEX	0	0	20	80	0
S C	12	56	32	0	0
TEX	0	0	19	75	6

NA - STATES NOT ASKING VERY-POOR

SPRING WHEAT % PLANTED				SPRING WHEAT % EMERGED				WINTER WHEAT % HEADED			
	1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.
IDAHO	83	76	83	IDAHO	66	41	48	ARK	96	89	NA
MINN	27	87	80	MINN	12	56	42	CALIF	95	90	87
MONT	75	85	80	MONT	55	50	45	COLO	9	7	3
N DAK	35	90	61	N DAK	14	58	28	GA	96	97	89
S DAK	54	100	87	S DAK	29	94	64	IDAHO	0	0	0
								ILL	55	36	24
								IND	15	25	4
5 STATES	47	89	73	5 STATES	27	61	41	KANS	75	60	20
THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.				THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.				MICH	0	0	0
								MO	73	57	36
								MONT	0	0	0
								NEBR	1	2	4
								N MEX	90	NA	NA
								N C	90	NA	NA
								OHIO	5	10	0
								OKLA	97	85	60
								OREG	0	0	0
								S DAK	0	0	0
								TEX	91	77	71
								WASH	0	0	1
								20 STATES	57	NA	NA
								EXCL. STATES WITH NA	56	47	31
								THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.			

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 SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged 6° above normal. Rainfall totals under 0.50 in.

Days suitable for fieldwork 6.5. Soil moisture 100% short. Fieldwork progress behind schedule. Dry weather continued to hamper plants growth throughout State. Primary activities: Planting corn, cotton, soybeans, peanuts, sorghum; land preparation; fertilizer, lime application; machinery repair; care of livestock poultry; general farm chores.

ALASKA: Warm, scattered daytime showers with cool nights. Railbelt temperatures maximums ranged 4° below normal to 1° above normal. Minimums ranged 2° below normal to 2° above normal. Precipitation below normal most areas.

Days suitable for fieldwork 5.0. Soil moisture supplies 80% adequate, 20% surplus. Many areas drying out. Increased progress light soils. Barley seeding underway. Spring fieldwork progress on schedule. Livestock good. Seeding, planting commercial hardy vegetables active early week.

ARIZONA: Dry, windy conditions continued although cold system arrived 7th. Scattered showers north, snow level 6,500 ft. One-half inch Flagstaff. Precipitation from traces to 0.10 in. Sunny skies 8th to 11th. Average temperatures 1 to 7° below seasonal normals.

Barley harvested. Wheat good, 100% heading, 65% turning color. Cotton planting winding down. Stands developing well, insect problems minimal. Weed infestations light. Alfalfa cutting advanced. Growers into 3rd cutting west, 2nd cutting elsewhere. Crop mostly good to excellent. Insect controls applied. Corn, sorghum planting southeast. Emerged stands developing nicely. Safflower in bloom. Potatoes harvested. Dry onions, artichokes, sweet corn, mixed vegetables

shipped. Lettuce packed Willcox. Melons maturing. Tree fruit, nut spraying continued. Nectarines, peaches, apricots harvested. Valencia oranges, grapefruit picked.

ARKANSAS: Temperatures warm, humid. Scattered showers end of week. Light rain south. Temperature extremes 46°; 93°. Rainfall none to 3.76 in.

Days suitable for fieldwork 6.0. Soil moisture 32% short, 64% adequate, 4% surplus. Flies, ticks increasing. Preparing land; planting; fertilizing; harvesting hay, silage; flushing rice; controlling weeds major activities. Strawberry harvest continued. Spraying apples, peaches, pecans.

CALIFORNIA: Weather dominated by slow moving spring storm over northern State, rain, snow early week. Skies cleared. Warming late week, high pressure moved into State leaving most temperature averages 3 to 4° below normal. Lows into 30s Sacramento Valley, light frost some locations.

Weather generally good, some hail, frost, wind damage small grains. Rice planting heavily underway. Cotton planting nearing completion. Wheat, barley harvest underway southern area. Sugarbeet harvest, spring planting active. Alfalfa, grain hays cut. Irrigation, weed control throughout State. Spring planting new trees nearing completion. Apricot harvest underway. Cherry harvest gaining momentum, crop very light. Gibberellic acid application table grape vineyards. Nectarine varieties packed. Early Freestone peach varieties packed. Thinning Cling peach varieties. Plum picks very light. Almond, walnut crops sizing. Artichokes fairly light supply. Asparagus harvest active. Snap bean harvest underway south coast. Broccoli fairly heavy supply central coast. Planting brussels sprouts central coast. Carrot

harvest active desert, Kern districts. Cauliflower volume moderate Santa Maria, fairly heavy Salinas. Celery harvest active south coast. Sweet corn harvest increased Coachella Valley. Lettuce harvest fairly heavy central coast. Grading dry market onions increased desert, San Joaquin Valley. Planting fall potatoes stopped by wet field. Movement from potato storage active. Strawberry harvest very active. Planting sweetpotatoes active. Early market and processing tomato fields setting fruit, sizing well. Recent rains helped water supplies, slowed drying out range grasses. Livestock continued move summer ranges, pastures. Little movement cattle to market due to poor prices.

COLORADO: Temperatures averaged 10 below normal to 110 above normal. Precipitation totals averaged none to 0.72 in.

Days suitable for fieldwork 5.3. Soil moisture 19% very short, 36% short, 39% adequate, 6% surplus. Winter wheat developing rapidly, fair to good. Barley seeded 97%, 93% 1985, 88% avg.; 78% emerged, 64% 1985, 62% avg.; good. Oats seeded 89%, 89% 1985, 74% avg. Livestock good; range, pasture fair to good. Calving, lambing progress normal.

FLORIDA: Very dry except some locally heavy rains of 1.00 to 2.00 in. coastal areas central, south. Warm summer like afternoons, cool nights; cooler weekend. Overall temperatures near seasonal normal.

Soil moisture mostly short to very short; few isolated areas adequate. Corn progress slow. Peanut planting continued. Fieldwork slowed by dry soils. Wheat harvest underway. Sugarcane good. Tobacco, peanut fair. Pastures very poor Panhandle, north; fair to poor elsewhere. Cattle fair, Panhandle, north; fair to good elsewhere. Some rain most citrus groves; irrigation continued; trees still shedding excess new crop fruit. Tree condition good in well cared for groves. Valencia orange harvest remained very active. Grapefruit harvest slowing. Hot, mostly dry weather prevailed over vegetable producing areas. Light, widely scattered showers provided some relief last half week. Temperatures ranged lows 60s, highs 80s to low 90s. Winds moderate to brisk by weekend. Harvest most spring acreage southern areas seasonal decline, rapidly increasing central areas. Increased volume celery, sweet corn, cucumbers, lettuce, peppers, potatoes, radishes, tomatoes, watermelon offset lower volume snap beans, cabbage, carrots, escarole, squash, strawberries. Largest supply gains due to potatoes, tomatoes, watermelons.

GEORGIA: Scattered showers, thunderstorms limited mainly to north, east. Most occurred on 7th p.m. Rainfall totals 0.50 in. or less. Local rain totals 1.00 to 2.00 in. mainly east. Heaviest total 1.61 in. Midville Experiment Station. Temperatures 3 to 5° above normal, except 1 to 3° above normal southeast. Maximums low to mid 90s central and south midweek, late week. Lowest temperatures 40s, 50s.

Days suitable for fieldwork 5.9. Soil moisture 86% very short, 11% short, 3% adequate. Sorghum grain 5% very poor, 33% poor, 57% fair, 5% good; 24% planted, 51% 1985, 28% avg. Peanuts 2% very poor, 23% poor, 67% fair, 8% good; 34% planted, 81% 1985, 59% avg. Soybeans 6% very poor, 35% poor, 54% fair, 5% good; 4% planted, 20% 1985, 10% avg. Tobacco 17% poor, 69% fair, 14% good. Watermelons 2% very poor, 18% poor, 73% fair, 7% good; 94% planted, 99% 1985, 94% avg. Rye 8% very poor, 34% poor, 51% fair, 7% good. Other small grains 9% very poor, 39% poor, 47% fair, 5% good. Apples 8% poor, 65% fair, 27% good; 100% blooming, 100% 1985, 98% avg. Peaches 2% very poor, 13% poor, 62% fair,

23% good. Pasture 32% very poor, 48% poor, 17% fair, 3% good. Cattle 3% very poor, 28% poor, 50% fair, 19% good. Hogs 9% poor, 50% fair, 40% good, 1% excellent. Main activities: Irrigating, planting where irrigation or rain available, extra feeding and care of livestock, cutting small grains for hay. Looking for rain!

HAWAII: Weather variable. Winds northeasterly beginning of week, turning southeasterly weekend. Showers, at times heavy, over some areas. High cloudiness several days end of week. Temperatures ranged mid 60s to low 90s. Rainfall ranged none to 6.50 in.

Days suitable for fieldwork 7.0. Weather favorable crop development. Soil moisture adequate. Spray operations returned normal with decreased wind velocities. Banana, papaya orchards fair to good. Yields leafy vegetables improved.

IDAHO: Normal temperatures early week, cool, wet weather remainder of week. Below normal temperatures, above normal precipitation.

Days suitable for fieldwork 3.0. Fieldwork slowed by cool, wet conditions. Some frost damage. Winter wheat good. Spring wheat good. Livestock good. Potatoes 35% planted, 36% 1985, 46% avg.

ILLINOIS: Temperatures averaged 6 to 8° above normal. Daily lows to upper 80s south, highs mid 70s to low 80s north. Precipitation none to heavy local showers, harvest east central.

Days suitable for fieldwork 6.5. Soil moisture 64% short, 34% adequate, 2% surplus. Winter wheat filled 10% 1986, 9% 1985, 3% avg. Oats 33% fair, 60% good, 7% excellent; headed 6% 1986, none 1985, none avg. Alfalfa 1% very poor, 4% poor, 35% fair, 56% good, 4% excellent; alfalfa 1st crop cut 10% 1986, 8% 1985, 3% avg. Pasture 1% poor, 46% fair, 46% good, 7% excellent. Major farm activities: Seeding corn and soybeans, hoeing corn, applying herbicides, spreading fertilizer, cutting hay.

INDIANA: Temperatures 4 to 7° above normal. Average lows 40s to 50s, highs 80s. Soil temperature mid 60s. Rainfall below normal. Totals 1.00 in. central, 0.30 to 0.50 in. elsewhere.

Fieldwork averaged 4.2 days. Topsoil moisture 17% short, 57% adequate, 26% surplus. Subsoil moisture 15% short, 68% adequate, 17% surplus. Spring cropland 95% tilled, 92% 1985, 86% avg. Corn 45% emerged, 45% 1985, 12% avg. Soybeans 6% emerged, 6% 1985, none avg. Soils dry enough for rapid tilling, planting. Wheat mostly fair to good. Wheat 80% jointed, 91% 1985, 60% avg. Wheat 16 in. high, 19 in. 1985, 13 in. avg. Oats 6 in. high, 6 in. 1985, 4 in. avg. Alfalfa hay 5% cut once, 8% 1985, none avg. Tobacco plants none set, none avg. Pastures 59% good or better. Mild, wet weather improving condition of wheat, pastures, emerging crops.

IOWA: Unseasonably warm with spotty rainfall averaging near normal east to above normal elsewhere. Heaviest 8th to 10th, locally damaging winds, floods, hail, tornado funnels.

Days suitable for fieldwork 5.4. Topsoil moisture 16% short, 67% adequate, 17% surplus; subsoil moisture 1% short, 81% adequate, 18% surplus. Winter wheat 2% very poor, 13% poor, 43% fair, 39% good, 3% excellent; hay 1% very poor, 3% poor, 31% fair, 54% good, 11% excellent. Corn planting made excellent progress, some started planting soybeans. Corn emerged 20%, 37% 1985, 13% avg. Oats sown 98%, 100% 1985, 96% avg.; oats emerged 90%, 99% 1985, 75% avg. Seedbed preparation 85% completed; fertilizer application 88% completed, 96% 1985, 87% avg. Late week's scattered heavy rains caused moderate to severe soil erosion, soil compaction. Livestock mostly

good; pastures good to excellent, rain, warm temperatures spurred growth.

KANSAS: Precipitation less than 0.10 in. northwest and southwest, 0.25 in. west central, 1.00 to 2.00 in. central and east. Temperatures averaged 66° northwest, 68 to 72° elsewhere; 7 to 10° above normal.

Days suitable for fieldwork 5.5. Soil moisture 83% short, 30% adequate, 17% surplus. Rain needed west. Several wheat diseases present, main ones wheat streak mosaic, speckled leaf blotch. Russian wheat aphid, 10 southwest counties. Corn 14% fair to poor, 35% good, 51% excellent. Cutworms northeast, east central, south central - treatment underway. First cutting alfalfa, 20% complete. Weevil damage widespread. Spring black stem disease widespread, causing alfalfa defoliation. Pasture poor to fair west, good to excellent elsewhere.

KENTUCKY: Warm temperatures, dry week. Temperatures averaged near 70°, 3 to 6° above normal. Precipitation amounts ranged none to 1.91 in. heaviest northeast.

Days suitable fieldwork 5.6. Soil moisture 62% very short, 33% short, 5% adequate. Corn 60% planted acreage emerged. Some stands poor, some replanting. Soybean planting underway. Tobacco plants growing slowly, unevenly. Some large enough to set but fields too dry. About 1% set, average less than 1%. Some beds reseeded. Wheat 18% poor, 49% fair, 31% good, 2% excellent; 80% headed. Alfalfa hay first cutting 24% cut. Low quantity, high quality. Pastures mostly poor to fair. Need rain. Some feeding hay to cattle.

LOUISIANA: Temperature ranged 1 to 3° above normal. Temperature extremes 45°; 93°. Rainfall averaged none to 0.30 in.

Days suitable for fieldwork 6.3. Soil moisture 61% short, 39% adequate. Spring plowing 99% complete, 96% 1985, 93% avg. Corn fair to good; 99% planted, 99% 1985, 95% avg. Corn 99% emerged, 96% 1985, 90% avg. Cotton 90% planted, 71% 1985, 63% avg.; 80% emerged, 52% 1985, 43% avg. Rice 95% planted, 88% 1985, 82% avg.; 91% emerged, 79% 1985, 72% avg. Sorghum 87% planted, 81% 1985, 69% avg.; 80% emerged, 69% 1985, 55% avg. Soybeans 26% planted, 12% 1985, 9% avg.; 9% emerged, 2% 1985, 3% avg. Soybeans 60% fair, 40% good. Sweetpotatoes fair; 36% planted, 48% 1985, 38% avg. Winter wheat fair; 99% headed, 95% 1985, 97% avg. Winter wheat 81% turning color, 72% 1985, 62% avg. Hay first cutting 23% complete, 27% 1985, 23% avg. Sugarcane fair to good. Vegetables fair to good. Pasture fair. Livestock fair to good. Main activities: Planting cotton, rice, sorghum, soybeans, sweetpotatoes; baling hay.

MARYLAND & DELAWARE: **Maryland:** Temperatures averaged 3° above normal over State; lowest temperature 27° Oakland, Cumberland; highest temperature 93° College Park. Precipitation averaged 0.06 in., ranging from none to 0.57 in.

Days suitable for fieldwork 6.4. Topsoil moisture very short; subsoil moisture very short to short. Small grains fair to good. Small grains headed: Wheat 50%; barley 92%; rye 88%; oats 7%. Planting progress: Field corn 74% planted, 77% 1985, 55% avg.; soybeans 3% planted, 5% 1985, 3% avg.; spring oats 97% planted, 98% 1985, 91% avg.; tobacco transplants 5% planted; sweet corn 70% planted, 79% 1985, 59% avg.; watermelons 77% planted; cantaloupes 72% planted; cucumbers 69% planted, 36% 1985, 37% avg.; lima beans 2% planted, 28% 1985, 18% avg.; tomatoes 72% planted. Strawberries 97% blooming. Hay: Alfalfa 13% harvested; other hay 5% harvested. Light to moderate alfalfa weevil, flea beetle, wheat mildew, corn cut worm, potato beetle.

Delaware: Temperatures averaged 3° above normal over State; lowest temperature 32° Georgetown; highest temperature 91° Milford, Dover. Precipitation averaged a trace, ranging from none to a trace.

Days suitable for fieldwork 7.0. Topsoil moisture very short; subsoil moisture very short. Small grains fair. Small grains headed: Barley 97%; rye 95%; wheat 31%. Planting progress: Field corn 87% planted, 74% 1985, 61% avg.; soybeans 1% planted, 4% 1985, 12% avg.; sweet corn 81% planted, 67% 1985, 55% avg.; watermelons 37% planted, 43% 1985, 41% avg.; cantaloupes 21% planted; cucumbers 35% planted, 34% 1985, 40% avg.; tomatoes 42% planted, 30% 1985, 21% avg. Apples 100% blooming. Hay: Alfalfa 19% first cutting. Light to moderate alfalfa weevil, wheat powdery mildew, corn cut worms.

MICHIGAN: Average temperatures 3 to 6° below normal. Lows mid 30s north, low 40s south. Highs lower 80s. Precipitation none to 0.75 in.

Days suitable for fieldwork 6.0. Soil moisture 75% short, 25% adequate. Tillage, pesticide application, corn, potato planting major activities. Corn 55% planted, 70% 1985, 40% avg. Oats 95% planted, 90% 1985, 85% avg. Potatoes 40% planted, 50% 1985, 50% avg. Soybeans 5% planted, 10% 1985, 5% avg. Wheat 5% very poor, 10% poor, 25% fair, 45% good, 15% excellent. Warm weather hastening fruit development. Rain needed by growers without irrigation. Thinning apple tree tops. Blueberries, strawberries full bloom southwest. Asparagus harvest 20% done.

MINNESOTA: Temperatures averaged near normal to 7° above normal. Temperature extremes 30°; 85°. Precipitation averaged 0.25 to 1.36 in. above normal. Greatest weekly total 2.69 in.

Days suitable for fieldwork 3.4. Topsoil moisture 4% short, 29% adequate, 67% surplus. Most spring wheat producers still waiting to plant fields too wet. Cold soil slowing emergence of wheat, other small grains. Oats 57% planted, 89% 1985, 83% avg.; 34% emerged, 69% 1985, 49% avg. Barley 18% planted, 84% 1985, 73% avg.; 9% emerged, 51% 1985, 36% avg. Corn planting very active south central, southeast, over half done; elsewhere, mostly too wet. Almost no progress on harvest of remaining 1985 corn. Hay growth rapid, south; early cutting possible. Pasture, hay growth slow north too cold, wet.

MISSISSIPPI: Average temperatures 5° above normal. Extremes 45°; 94°. Greatest 24-hour rainfall 2.45 in.

Days suitable for fieldwork 6.5, 3.4 1985, 4.5 avg. Soil moisture 25% short, 75% adequate. Planting delayed due to lack of moisture. Main activities; hay harvest, hoping for rain. Rainfall over weekend relieved extremely dry conditions in all but southern counties. Corn 6% very poor, 5% poor, 55% fair, 34% good; 91% planted, 90% 1985, 85% avg.; 79% emerged, 81% 1985, 66% avg. Wheat 97% heading, 96% 1985, 95% avg.; 14% ripe, 9% 1985, 7% avg.; 6% very poor, 33% poor, 48% fair, 13% good. Sweetpotatoes 30% planted, 32% 1985, 27% avg. Peanuts 52% planted, 38% 1985, 34% avg. Watermelons 65% planted, 73% 1985, 62% avg. Hay harvest 16%, 12% 1985, 10% avg. Peaches 42% very poor, 46% poor, 12% fair.

MISSOURI: Temperatures 7 to 10° above normal. Record highs southeast. Rainfall varied, widespread, up to 2.00 in. west, less than 0.10 in. southeast.

Days suitable for fieldwork 5.3. Soil moisture 55% short, 40% adequate, 5% surplus. Wheat mostly fair to poor. Alfalfa first cutting 12%, 11% 1985, 9% avg. Pasture 16% poor, 50% fair, 33% good, 1% excellent.

MONTANA: Heavy precipitation much of Plains, 2.50 in. east, 1.50 in. central. Isolated areas 3.00 to 4.00 in. rain, 1.00 to 2.00 in. southwest, 0.20 to 1.50 in. northwest. Snow high elevations. Temperatures cool, 2° below normal west of Divide, 4 to 8° below normal remainder.

Days suitable for fieldwork 1.4. Topsoil moisture 1% short, 43% adequate, 56% surplus. Subsoil moisture 2% short, 73% adequate, 25% surplus. Barley 75% seeded, 80% 1985, 80% avg. Sugarbeets 75% planted, 95% 1985, 80% avg. Corn 20% planted, 60% 1985, 45% avg. Potatoes 25% planted, 15% 1985, 20% avg. Calving, lambing nearly complete. Movement to summer ranges well underway, 35% cattle and 45% sheep moved. Stockwater 6% short, 75% adequate, 19% surplus.

NEBRASKA: Precipitation near 1.00 in. across north and east. Southern areas received 0.25 to 0.50 in. Temperatures 4° below normal over Panhandle, but 5 to 7° above normal over central and east. Temperature extremes 30°; 89°.

Days suitable for fieldwork 5.5. Topsoil moisture 17% short, 67% adequate, 16% surplus. Subsoil moisture 7% short, 88% adequate, 5% surplus. Wheat mostly fair to good. Wheat jointing 70%, 75% 1985, 55% avg. Wheat headed 1%, 2% 1985, 4% avg. Corn planting 60%, 60% 1985, 35% avg. Corn planting near 85% south central, less than 50% across northern 3rd of State. Sorghum planting 5%, 15% 1985, 5% avg. Soybean planting 5%, 6% 1985, 2% avg. Alfalfa, wild hay mostly fair to good. Calving near completion, branding underway. Warmer weather needed to boost pasture, range growth. Supplemental feeding continued many areas west, north.

NEVADA: Series Pacific storms kept all areas under cloudy skies most week. Cold front early resulted gusty winds, up to 8 in. snow East. Another storm spread clouds, widely scattered showers northern half. Skies mostly cloudy until end of period. Fairly wet week all areas. Average temperatures well below normal.

Potato planting gaining momentum, emergence slow due low night temperatures. Persistent, scattered rain, snow showers delayed small grain seeding. Mild weather end period favorable newborn calves, lambs.

NEW ENGLAND: Temperatures averaged 1 to 6° below normal. Greatest departure from normal along southeast coast. Rainfall normal northern areas; 0.50 to 1.15 in. Elsewhere relatively dry 0.06 to 0.50 in.

Days suitable for fieldwork 5.0. Soil moisture 45% short, 48% adequate, 7% surplus. Fieldwork progress generally 3 days ahead of schedule. Grazing availability 10% short, 86% adequate, 4% surplus. Crops need rain. Maine potatoes 10% planted, 3% 1985, 6% avg. Field corn 20% planted, 15% 1985, 10% avg. Sweet corn 25% planted, 25% 1985, 20% avg. Maine oats 20% sown, 20% 1985, 20% avg. Hay growth fair to good. Less than 1% shade tobacco transplanted. Frost damage heavy on apples, peaches, strawberries low lying areas. Apples bud to full bloom north to south. Peaches full bloom, poor pollinating conditions. Wild blueberry, cranberry progress on schedule. Major farm activities: Plowing, fertilizing, planting, protecting from frost.

NEW JERSEY: Temperatures averaged near normal. Extremes 25°; 93°. Rainfall averaged 0.39 in. north, 0.03 in. central, 0.02 in. south. Heaviest 24-hour total 0.45 in. on 6th, 7th. Estimated soil moisture percent field capacity averaged 6% north, 51% central, 39% south. Four inch soil temperatures averaged 57° north, 59° central, 61° south.

Temperatures continued to vary to extremes. Cold nights slowed crop growth. Topsoil moisture short,

irrigation in use. Asparagus; Big Boston, Bibb, leaf lettuce; greens; radishes spinach marketed. Sweet corn, snap bean, tomato, pepper, eggplant, cucumber planting continued. Blueberries, strawberries continued to bloom. Cranberry bog water drawn off. Field corn planting active. Barley, rye heading. Hay cutting began. Pastures need rain.

NEW MEXICO: Temperatures averaged slightly below normal over most of State. Light precipitation northwest. Temperatures 18° northern mountains to 94° southeastern plains. Precipitation none most areas to 0.24 in. northern mountains.

Days suitable for fieldwork 6.7. Soil moisture 73% short, 27% adequate. Hail damage 83% none, 17% light. Wind damage 17% none, 66% light, 17% moderate. Freeze damage 75% none, 25% light. Alfalfa 25% fair, 67% good, 8% excellent. Corn 14% fair, 86% good. Barley 25% fair, 75% good. Pecans 20% fair, 80% good. Apples 33% fair, 67% good. Chile 100% good. Onions 100% good. Lettuce 100% good; excellent market. Cattle 36% fair, 64% good. Sheep 25% fair, 75% good. Range 7% very poor, 21% poor, 65% fair, 7% good.

NEW YORK: Temperatures above normal, except near normal St. Lawrence Valley, Adirondacks and Champlain Valley. Below freezing temperatures 4th, above normal temperatures midweek, cooler by end of week. Rainfall below normal. Most areas less than 0.25 in. Precipitation heavier north, 0.50 to 0.75 in. Most rain midweek.

Days suitable for fieldwork 5.5. Soil moisture adequate. Oat planting 66% complete, 87% 1985, 41% avg. Corn planting 14% complete, 27% 1985, 15% avg. Wheat good, some powdery mildew and yellowing. Hay growth good. Long Island potato planting near completion, upstate potato planting underway. Apples full bloom. Pasture good.

NORTH CAROLINA: Weather warm, dry with above normal temperatures; below normal rainfall. Temperature extremes 27°; 93°. Precipitation ranged from none to 0.78 in. across State.

Days suitable for fieldwork 6.5. Soil moisture 83% very short, 12% short. Corn planting ahead of average. Moisture shortage hampered germination. Some replanting. Small grains need moisture. Soybean planting behind average. Tobacco beds 9% poor, 41% fair, 50% good. Transplanting flue-cured tobacco 63%, 76% 1985, 66% avg. Peanuts 65% planted, 64% 1985, 46% avg. Sorghum 33% planted, 47% 1985, 30% avg. Irish potatoes 26% poor, 52% fair, 22% good. Peaches 24% poor, 52% fair, 24% good. Frost damage being realized. Truck crops 15% poor, 77% fair, 8% good. Pasture 66% poor, 33% fair, 1% good. Major farm activities: Planting corn, peanuts, cotton, sorghum, soybeans; transplanting tobacco; applying herbicides to ornamentals, Christmas trees; cutting small grains for hay; tending livestock; general maintenance.

NORTH DAKOTA: Average temperatures ranged from 4° below normal southwest to 2° above normal east central. Low 25° south west, high 91° south central. Precipitation heaviest west and south. Precipitation averaged 2.01 in. southwest to 0.64 in. northeast.

Days suitable for fieldwork 1.9. Soil moisture supplies increased from last week, well above normal. Topsoil moisture 63% adequate, 37% surplus; subsoil moisture 5% short, 72% adequate, 23% surplus. Winter wheat, rye mostly good. Wet ground and weather still limiting seeding which lags last year and normal for all crops. Some seeding last week, mostly central. Hard red spring wheat 35% planted, 90% 1985, 61% avg.; emerged 14%, 57% 1985, 28% avg.; durum wheat 24% planted, 76% 1985, 46% avg.; emerged 6%, 35% 1985, 16% avg.; barley 31% planted, 89% 1985, 62% avg.; emerged

11%, 53% 1985, 26% avg. Corn 5% planted, 39% 1985, 16% avg.; flax 3% planted, 40% 1985, 14% avg.; soybeans 1% planted, 21% 1985, 8% avg.; potatoes 7% planted, 47% 1985, 25% avg.; sugarbeets 29% planted, 97% 1985, 88% avg. Dry bean, sunflower plantings just beginning. Calving 94% complete, lambing 97%, shearing 92%. Pasture growth fair to good; supplying 65% of roughage requirement.

OHIO: Temperatures above normal. Average highs mid 70s to low 80s. Lows upper 40s to upper 50s. Soil temperatures in 60s. Precipitation mostly over 0.25 to 1.00 in. south and northeast.

Days suitable for fieldwork 6.0. Soil moisture 41% short, 52% adequate, 7% surplus. Corn planting rapid; no insect damage yet. Some fields rototilled to assist emergence. Soybean planting gathered momentum. Winter wheat 45% jointed or beyond; fair to mostly good. Oats 90% emerged; fair to good. Hay, pasture fair to good. Alfalfa mowed, sprayed to combat weevil. Sugarbeet freeze losses greater than realized earlier; replanting in progress. Processing tomato transplanting 15% complete.

OKLAHOMA: Temperatures averaged 3° above normal south central to 7° above normal northeast. Precipitation averaged 0.04 in. Panhandle to 1.83 in. central.

Days suitable for fieldwork 5.5. Topsoil moisture 42% short, 55% adequate, 3% surplus. Subsoil moisture 30% short, 70% adequate. Wheat 10% poor, 60% fair, 30% good. Wheat 97% headed, 85% 1985, 60% avg. Wheat 50% soft dough, 10% 1985, 10% avg. Harvest could begin this week. Rain welcomed but prolonged periods of insufficient moisture may thwart any substantial benefit. Continual hot winds reduced prospective yield, test weights. Sorghum 15% planted, 5% 1985, 10% avg. Cotton 15% planted, 20% 1985, 5% avg. Row crop progress ahead average. Pasture growth should accelerate. Livestock marketings, prices increased from preceding week.

OREGON: Temperatures well below normal, except extreme south coast normal. East of Cascades minimum temperatures below freezing. Rainfall west from 0.36 to 2.25 in. Eastern precipitation ranged from 0.04 to 1.17 in.

Soil moisture 22% short, 61% adequate, 17% surplus. Columbia basin grain crops show nitrogen deficiency, poor development due to cold. Rains helped, more moisture needed. Barley 97% seeded, 96% 1985. Spring grain planting continued eastern high country. Crimson clover bloom west. Field corn planting underway Medford area, full swing Malheur County. Early spring started crop growth ahead of schedule, but much colder than normal weather past 3 weeks stressed crops, slowed growth. Some Malheur sugarbeets replanted because of frost damage. Strawberries blooming; considerable frost damage particularly Totem variety. Blueberry bloom near complete. Early caneberry bloom. Cranberry bloom started on Stevens variety. Hood River tree fruit set uncertain due to cool, frosty weather. The Dalles Royal Anne cherry set short due to cold; Bings less affected. Cherry damage Union County. Medford area tree fruits protected from frosts; condition good. Most vegetable fieldwork halted by rains Willamette Valley. Good onion stands Medford area. Rain, hail thinned onions Malheur County. Potatoes 90% planted Malheur; planting beginning Klamath Basin. Livestock mostly good. Majority of animals turned-out to summer ranges. Seasonal movement of cattle from California underway. Western pastures mostly good; cool temperatures slowed growth; recent rains replenished moisture. Eastern rangeland at lower elevations need moisture. High elevation range improving with advancing season; rain, snow improved moisture condition.

PENNSYLVANIA: Week began warm, moist. Heavy thunderstorms occurred over western region. Average temperature 60°, 6° above normal. Temperature extremes 27°; 90°. Average precipitation 0.22 in., 0.60 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 66% short, 34% adequate. Plowing 85% complete, 84% 1985, 69% avg. Corn 44% planted, 49% 1985, 28% avg. Potatoes 69% planted, 76% 1985, 56% avg. Tobacco beds 100% planted, 100% 1985, 99% avg. Oats 92% planted, 95% 1985, 80% avg. Soybeans 27% planted, 10% 1985, 6% avg. Hay stands mostly fair to good. Feed from pastures mostly average to below average. Barley 59% pre-boot, 22% boot, 19% headed. Wheat 90% pre-boot, 10% boot. Wheat 1% poor, 18% fair, 60% good, 21% excellent. Oats 4% poor, 21% fair, 51% good, 24% excellent. Peaches 7% pink stage, 93% full bloom or past stage; 1985, 14% pink stage, 85% full bloom or past stage. Cherries 100% full bloom or past stage; 1985, 6% pink stage, 94% full bloom or past stage. Apples 5% pre-pink stage, 9% pink stage, 86% full bloom or past stage; 1985, 6% pink stage, 92% full bloom or past stage. Activities: Planting oats, corn, potatoes, soybeans; plowing; fence work, spreading manure, fertilizer, lime.

PUERTO RICO: Island average rainfall 3.26 in. 1.75 in. below normal. Highest weekly total 8.99 in. Highest 24-hour total 3.52 in. Temperature averaged about 79° on coast, 72 to 74° interior divisions. Mean station temperature ranged from 65 to 80°. Extremes 57°; 92°. Total rainfall 1.63 in., plus 0.43 in.

SOUTH CAROLINA: Scattered thunderstorms 8th, 9th. Weather varied; warmer than usual early week, cooler over weekend. Temperatures 1° above normal. Rainfall 8th, 9th, light showers over State, heavier few localities.

Days available for fieldwork 5.9. Soil moisture 80% very short, 18% short, 2% adequate. Cotton 12% very poor, 56% poor, 32% fair; 79% planted, 96% 1985, 90% avg. Corn poor to fair; 97% planted, 100% 1985, 96% avg. Tobacco poor to fair; 94% planted, 100% 1985, 95% avg. Peaches fair. All small grains poor to fair, rain late to be of much benefit. Pastures poor, vegetables poor to fair.

SOUTH DAKOTA: Average temperatures ranged 6° below to 10° above normal. Extremes 26°; 93°. Precipitation totals ranged 0.70 to 4.63 in.

Days suitable for fieldwork 2.9. Topsoil moisture adequate west, surplus east; 35% adequate, 65% surplus. Flooding major problem east. Cool, wet weather slowing spring planting; crop mostly good. Spring small grain seeding 2 weeks behind normal. Row crop planting beginning, but slow. Livestock fair to good. Pneumonia, scours showing up following mid April blizzard. Calving 83%, lambing 84% complete. Range, pastures mostly good.

TENNESSEE: Dry conditions prevailed. High temperatures averaged above normal. West averaged 8° above normal, middle and east 3 to 6° above normal. Weekend rainfall variable.

Days suitable for fieldwork 6.0. Soil moisture 77% very short, 18% short, 5% adequate. Corn 85% planted, 75% 1985, 60% avg.; 7% very poor, 24% poor, 55% fair, 14% good. Cotton 75% planted, 65% 1985, 55% avg.; 12% poor, 62% fair, 23% good, 3% excellent. Sorghum 45% planted, 25% 1985; 1% very poor, 10% poor, 63% fair, 26% good. Soybeans 9% planted, 10% 1985, 8% avg. Wheat 85% headed, 85% 1985, 70% avg.; 13% very poor, 25% poor, 47% fair, 15% good. Tobacco 4% transplanted, 12% 1985, 10% avg. Alfalfa 40% 1st cutting, 40% 1985, 35% avg.; 10% very poor, 31% poor, 49% fair, 10% good. Cattle fair to good. Pastures mostly poor to fair.

TEXAS: Two slow moving Pacific fronts, upper air low pressure system highlighted weather. First front stationary Panhandle 12th, triggering scattered thunderstorms Rolling Plains, Southern High Plains, north central. Golf ball size hail, wind gusts up to 50 mph more severe storms. Another slow moving front 8th moved west central counties before becoming stationary. Front combined with several upper level impulses produce most significant rainfall over eastern half 8th through 10th. Temperatures averaged above normal all districts. Rainfall below normal all regions, except south central, Coastal Bend above normal. Cross-Timbers, south below normal.

Crops: Some wheat harvest completed, crop mature, conditions allowed. Western areas, dryland acreage stress with poor prospects, producers graze out or cut acreage for hay. Harvest expected expand quickly as fields dry Blacklands, central. Corn planting neared completion Plains. Good stands established, high winds some damage. Blacklands, central, south corn responding to moisture, making fast growth. Early fields tasseling southern half. Planting grain sorghum active Plains, moisture available. Some growers waiting for planting moisture. Rains helped fields Blacklands, southern areas, early fields beginning head. Cotton planting expand Plains. Some dryland areas received planting moisture, other areas remained dry. Rains helped emerged fields eastern half State. Insects beginning damage young cotton southern areas. Rice planting practically complete. Rains helped emergence most areas. Peanut planting continued expand across Cross-Timbers, north. Moisture improved planting conditions. Sugarbeets excellent growth High Plains.

Other Field Crops: Peanuts 14% planted, 10% 1985, 13% avg. Soybeans 30% planted, 8% 1985, 5% avg. Sunflowers 22% planted, 10% 1985, 13% avg. Oats 2% harvested, none 1985, 1% avg.

Commercial Vegetables: Rio Grande Valley shipments onions, cabbage continued taper off. Prices onions low. Limited supplies melons available. Some rain, irrigation continued where needed. San Antonio-Winter Garden onion harvest slowed because low prices. Melons making slow growth, being irrigated. East vegetables good supply. Squash, beans, new potatoes, onions, turnips available. Some fungal disease present. Transplanting sweetpotatoes. North vegetables excellent growth. Cantaloups beginning vine. High Plains wind damage, blowing sand problem. Thrips continued damage onions. Sweet corn planted, potatoes looking good. Onion harvest started Trans-Pecos. Some early varieties peaches harvested. Quality should be good, supplies limited. Pecan blooming across State. Spraying casebearers underway, earlier than most years. Rain helpful for nut set.

Range and Livestock: Ranges, pastures beginning benefit from recent moisture, particularly eastern, southern half State. Scattered areas western half also received some rain, more needed. Some culling herds, marketing calves continued. Flies, other insects problem. Sheep shearing, working lambs Hill Country. Supplemental feeding continued, mostly dry areas.

UTAH: Temperatures below normal. Maximums 3 to 7° below normal. Minimums 1° below to 3° above. Precipitation light extreme south, moderate south, central; heavy north, north central, mountains. Days suitable fieldwork 2.2. Topsoil moisture 40% surplus, 40% normal, 20% short. Crop progress normal. Corn 28% planted, potatoes 27%. Corn, barley planting delayed north; spring wheat 70% emerged; barley 74%; oats 54%. Winter wheat 11 in. high, headed extreme south. Alfalfa 10 in. high, 2nd crop alfalfa 9 in. extreme south. Calf, lamb losses normal. Fruit set complete. Spraying codling moth, trapping apple maggot south.

Pastures, ranges good. Movement to summer range south.

VIRGINIA: Another dry period. Precipitation generally less than 0.10 in. Temperatures slightly above normal. Range 27°; 93°.

Days suitable for fieldwork 5.7. Soil moisture 98% short, 2% adequate. Crop conditions declined as drought continued. Corn planting 75% complete, 77% 1985, 74% avg. Condition fair, some fields not uniform, some replanting. Need rain to activate herbicides. Soybean planting 13% complete, 14% 1985, 14% avg. Peanut planting very active, 78% complete, 79% 1985, 76% avg. Flue-cured tobacco transplanting 25% complete, 32% 1985, 30% avg. Fire-cured tobacco 14% transplanted, 14% 1985, 9% avg. Burley tobacco transplanting just beginning. Possible shortage of fire-cured, burley tobacco seedlings, plantbeds poor to fair. Irrigating tobacco. Fruit good to excellent. Isolated frost damage on 3rd. Development slowed with drought. Small grain fields short, cereal leaf beetles increasing, some spraying. Wheat, barley condition declined; poor to mostly fair. Alfalfa fair, other hay poor. First cut hay very short. Cut rye silage. Pastures mostly poor, some fair. Poorest west. Some grazing hay, meadows. Some in west may sell cattle for lack of pasture. Irrigated vegetables, planted cantaloupes.

WASHINGTON: Cool temperatures prevailed, averaged 4° to 12° below normal. Rain throughout State; light central, east central.

Days suitable for fieldwork 5.4. Soil moisture 35% short, 65% adequate. Shortages scattered east of Cascades. Wheat, barley mostly good to fair. Fruit area frost alerts continued, pollination inhibited. Hay supplies 45% short, 55% adequate. Range, pasture 25% short, 75% adequate.

WEST VIRGINIA: Temperatures 3 to 8° above normal. Average temperature 63°. Temperature extremes 21° Greenbank; 94° Williamson. Precipitation below normal except in some areas south and southwest over an inch of rain. Average precipitation 0.57 in.

Days suitable for fieldwork 5.2. Soil moisture 36% very short, 46% short, 18% adequate. Feed supplies 19% short, 72% adequate, 9% surplus.

WISCONSIN: Temperatures averaged 60°, 5° above normal, low 32°, high 86°. Rainfall ranged from 0.10 to 1.30 in. Dry, windy week.

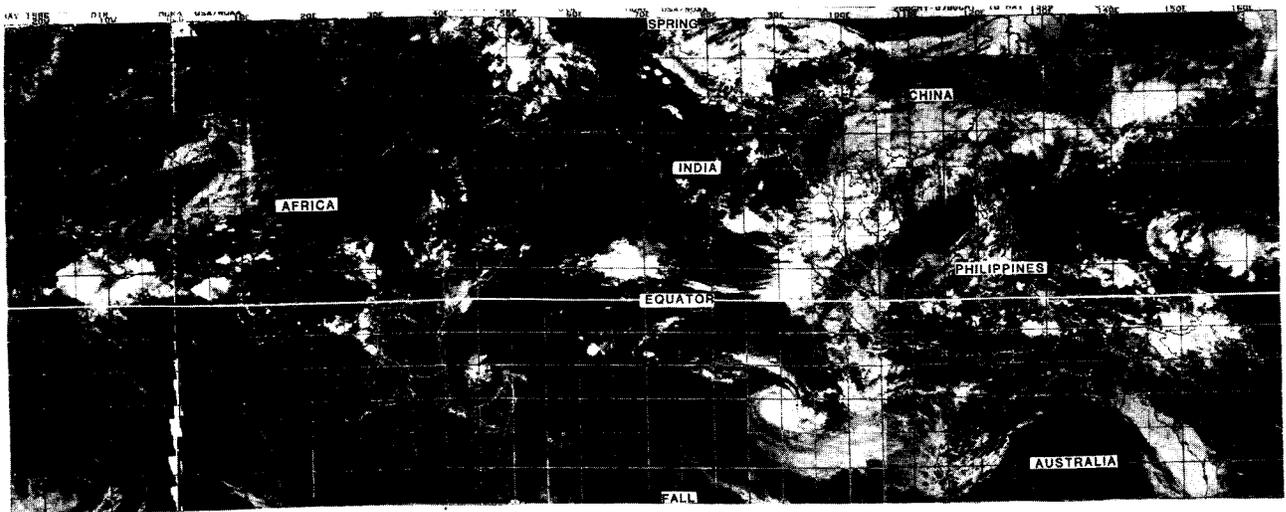
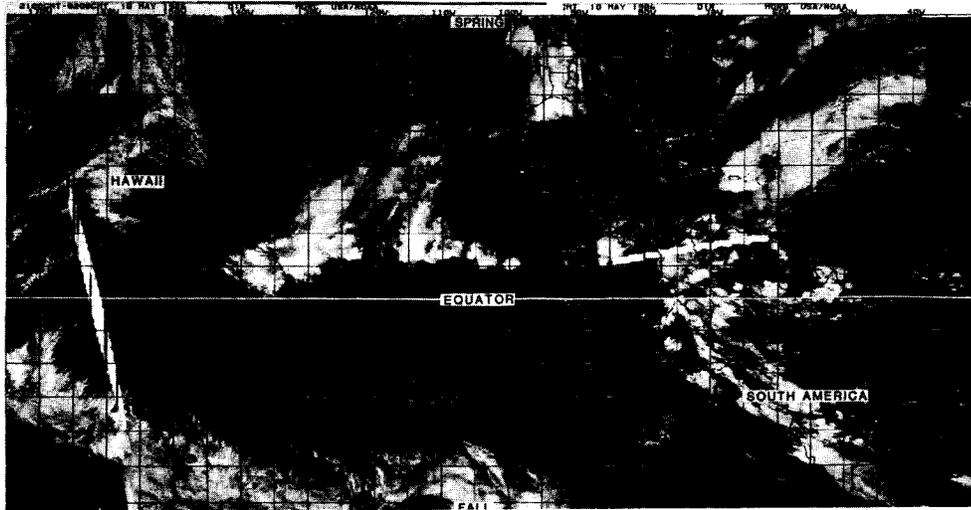
Days suitable for fieldwork 5.7. Soil moisture 42% short, 57% adequate, 1% surplus. Spring plowing 77% complete, 79% 1985, 64% avg. Corn planted 43%, 54% 1985, 29% avg. Oats 89% planted, 89% 1985, 75% avg. Crop development slow. Early planted corn emerging. Alfalfa nearing first cutting. Potato planting nearing completion.

WYOMING: Temperatures below normal. Precipitation mostly above normal.

Days suitable for fieldwork 2.9. Topsoil moisture 1% short, 78% adequate, 21% surplus. Spring wheat planted 80%, 90% 1985, 65% avg.; emerged 40%, 55% 1985, 35% avg. Oats planted 70%, 80% 1985, 60% avg.; emerged 40%, 45% 1985, 30% avg. Barley planted 80%, 95% 1985, 75% avg.; emerged 60%, 60% 1985, 50% avg. Sugarbeets planted 95%, 100% 1985; emerged 40%, 55% 1985, 30% avg. Corn planted 30%, 70% 1985, 35% avg. Potatoes planted 35%, 50% 1985, 20% avg. Winter wheat 35% fair, 65% good. Livestock 15% fair, 80% good, 5% excellent. Spring calves born 90%, 90% 1985. Calf losses normal. Farm flock: Ewes lambed 95%, 95% 1985; shorn 90%, 90% 1985. Range flock: Ewes lambed 65%, 70% 1985, 65% avg.; shorn 70%, 80% 1985, 70% avg. Lamb losses normal. Range, pasture 5% poor, 25% fair, 65% good, 5% excellent.

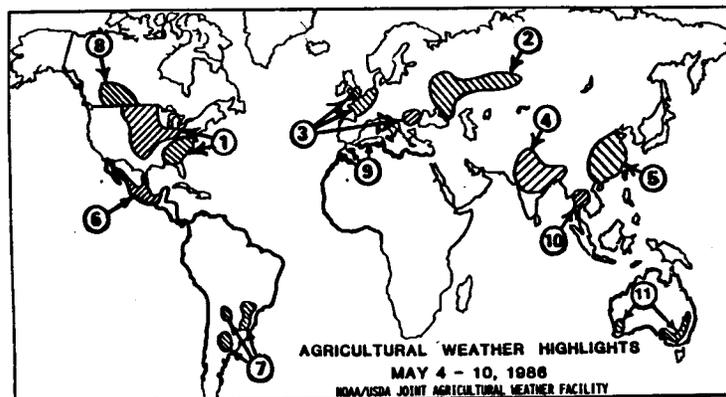
GLOBAL WEATHER SATELLITE IMAGE

MAY 10, 1986



International Weather and Crop Summary

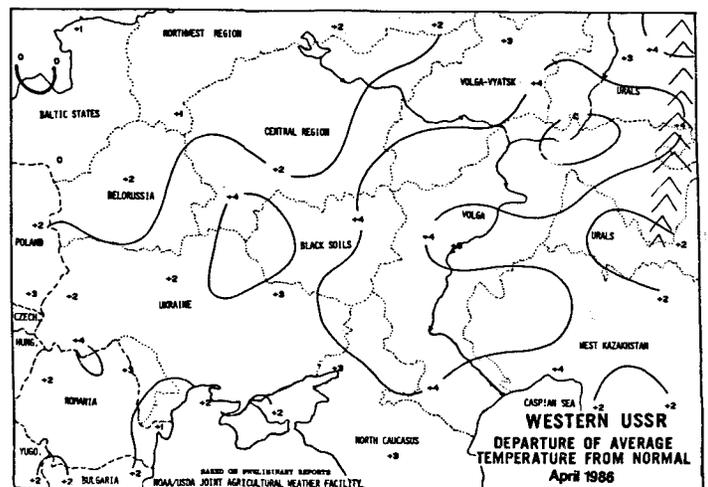
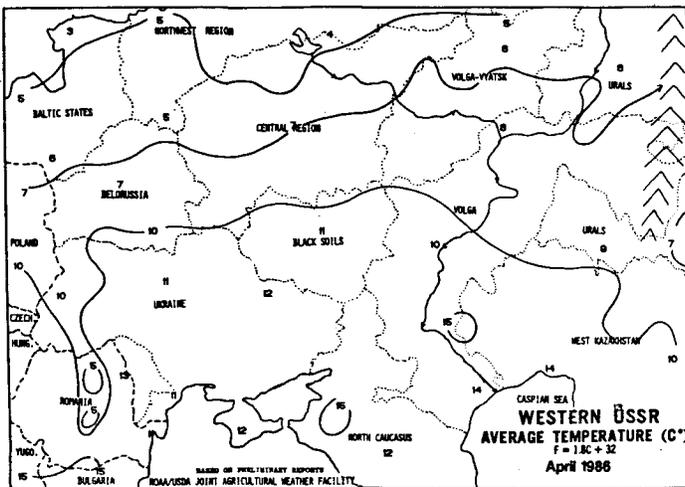
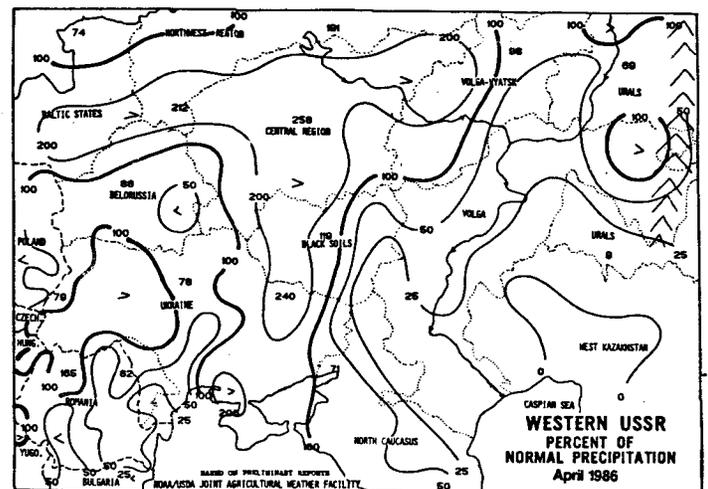
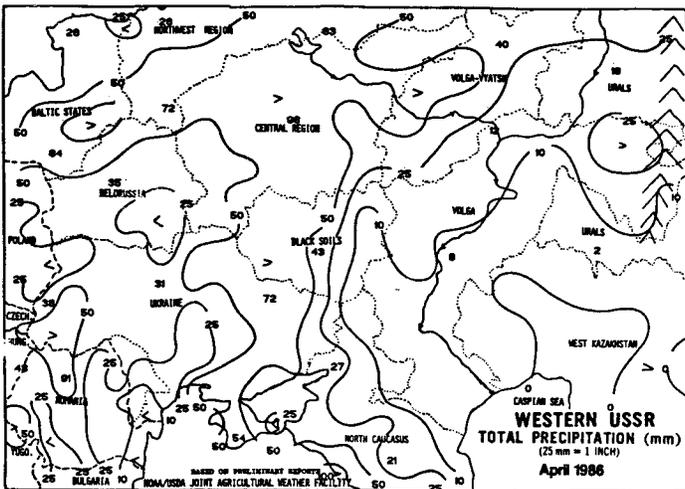
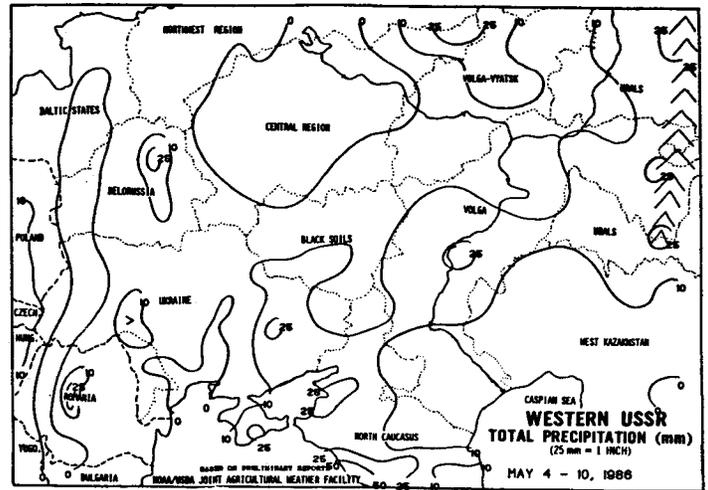
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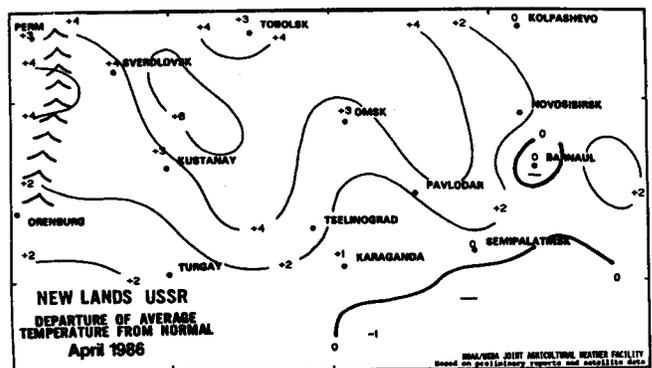
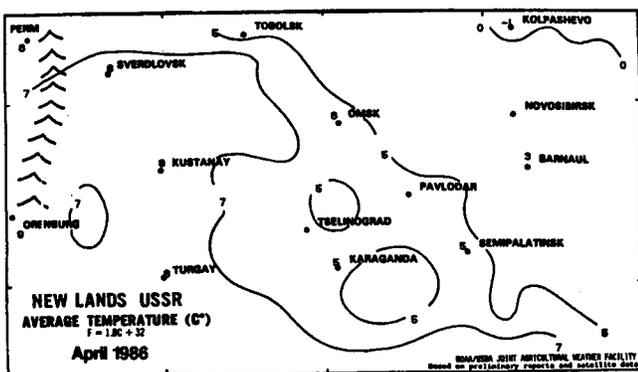
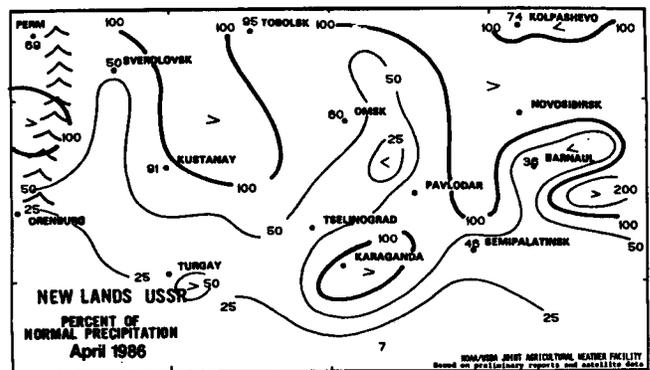
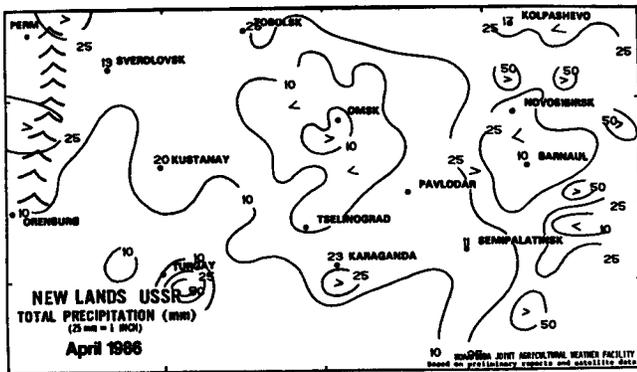
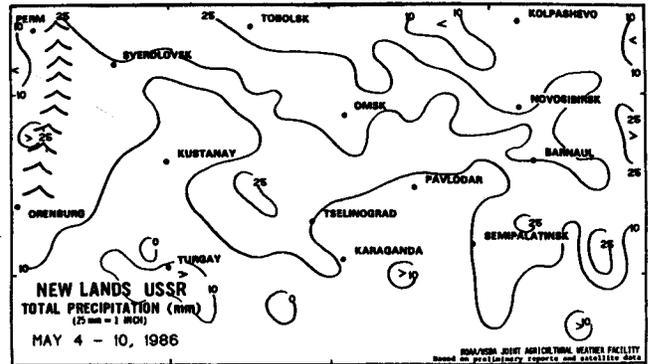
HIGHLIGHTS:

1. **UNITED STATES** ... Dryness hampers seeding, germination and crop development in the Southeast while rain and cooler temperatures slow seeding and crop development in the northern Great Plains and northern Rockies. Rain aids crop development and growth from Texas to the central Plains and in the Corn Belt.
2. **U.S.S.R.** ... Beneficial showers cover winter grains in the North Caucasus and the Volga. However, a late-week frost in these areas may have caused some leaf burn. In the New Lands, showers provide favorable pre-planting moisture for spring grains.
3. **EUROPE** ... Frequent showers return to northwestern crop areas, likely causing further planting delays. Unseasonably warm, dry weather in the southeast is likely stressing winter grains approaching the heading stage.
4. **SOUTH ASIA** ... Premonsoon showers moisten soils in the eastern rice region. Wheat harvesting nears completion in the north.
5. **EASTERN ASIA** ... Unfavorably dry conditions persist in the North China Plain where crops must rely on irrigation. Moisture is adequate for rice.
6. **MEXICO** ... Scattered showers favor crop development in the east, but dryness continues in the west.
7. **SOUTH AMERICA** ... Some rain falls over most crop areas, but harvesting progresses.
8. **CANADA** ... Widespread precipitation in the Prairies keeps eastern crop areas too wet but moistens topsoils in the dry southwest.
9. **NORTHWESTERN AFRICA** ... Generally dry weather benefits maturing winter grains.
10. **SOUTHEAST ASIA** ... Heavy rain covers Thailand, flooding some areas, but the moisture will benefit rice and corn planting.
11. **AUSTRALIA** ... Rain in the eastern wheat belt provides planting moisture. Wheat planting normally continues through June.

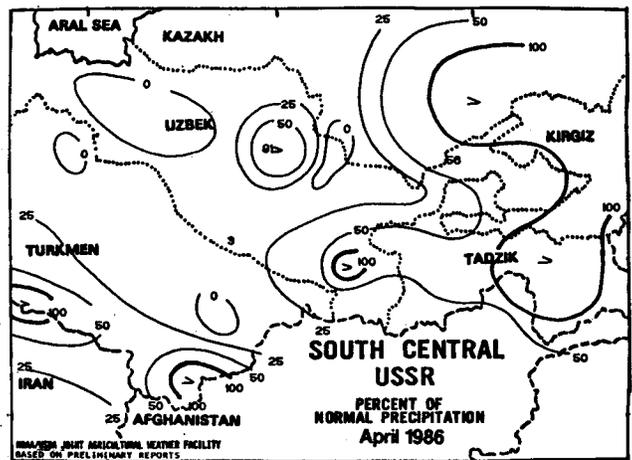
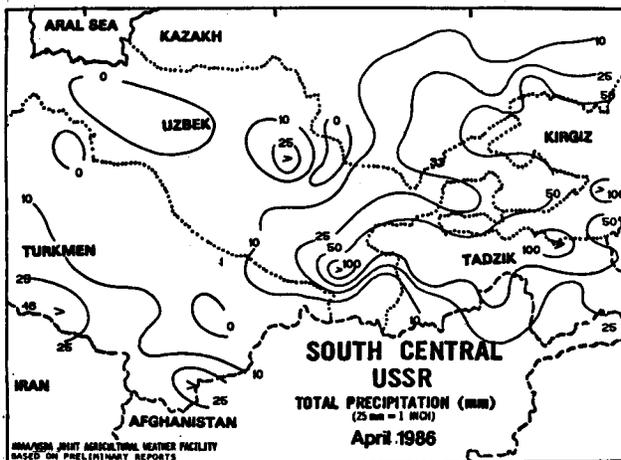
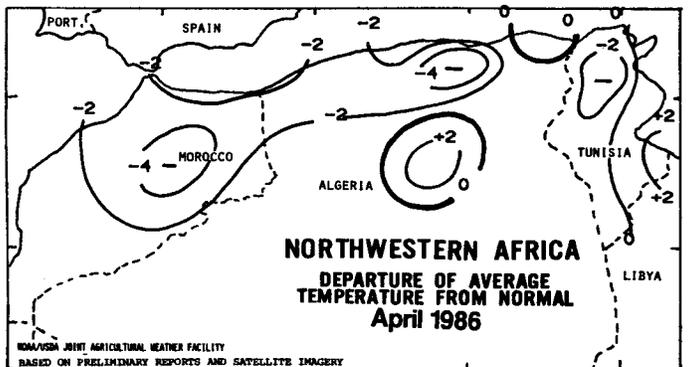
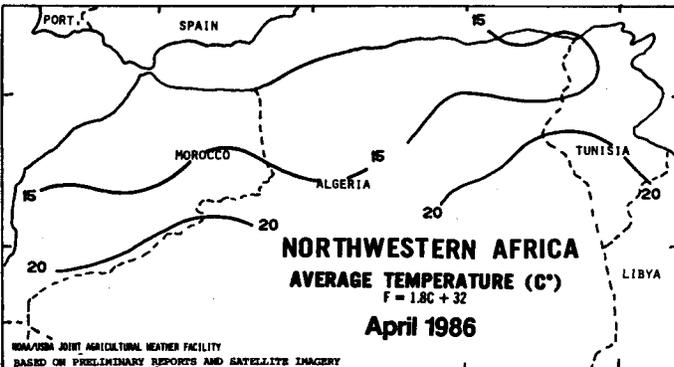
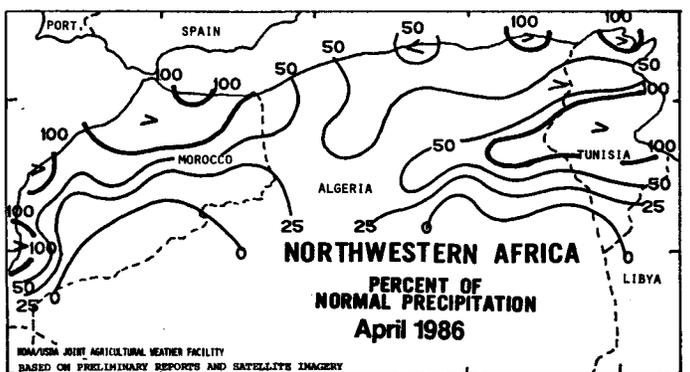
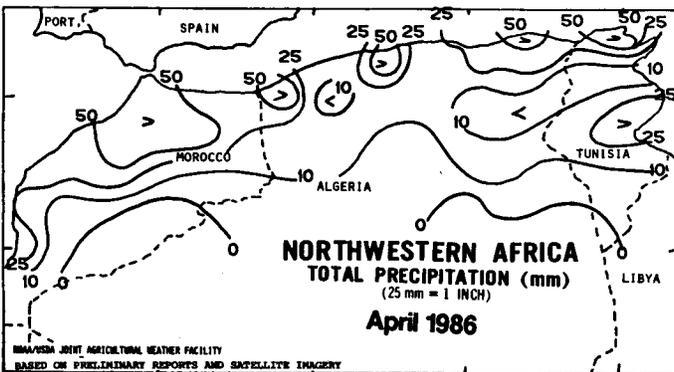
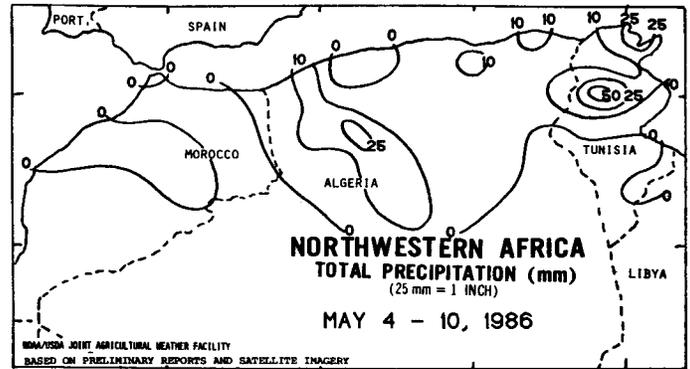
WESTERN U.S.S.R. ... Above-normal April precipitation covered winter grain areas from the Crimea, through the northeastern Ukraine and Black Soils Region, into the Central Region and Volga Vyatsk. The rain in these areas benefited winter grains and provided adequate topsoil moisture for spring crop emergence and early growth. Temperatures over the region during April were above normal, accelerating winter grain growth and increasing crop moisture demands. April precipitation was much below normal in winter grain areas in the extreme eastern Ukraine, North Caucasus, eastern Black Soils Region, and the Volga. As a result, the crop had to rely on soil moisture supplies to meet crop water requirements. During this past week, widespread showers benefited crops in these areas. However, the weather turned sharply cooler and on May 6-8, night temperatures at several locations dropped to below freezing. Winter wheat was mostly in the late vegetative stage, but some of the crop in more southern areas may have been entering the more vulnerable heading stage.

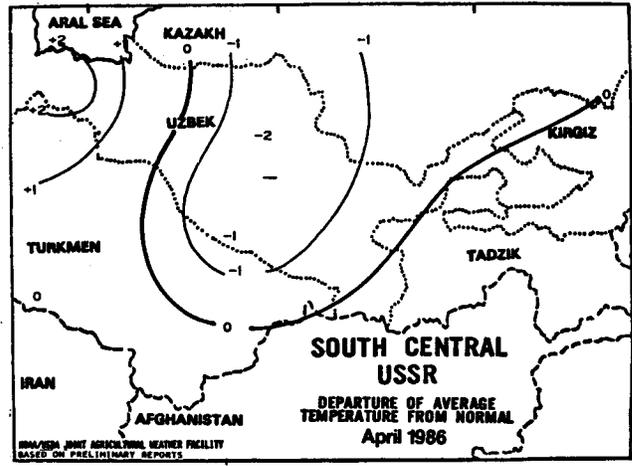
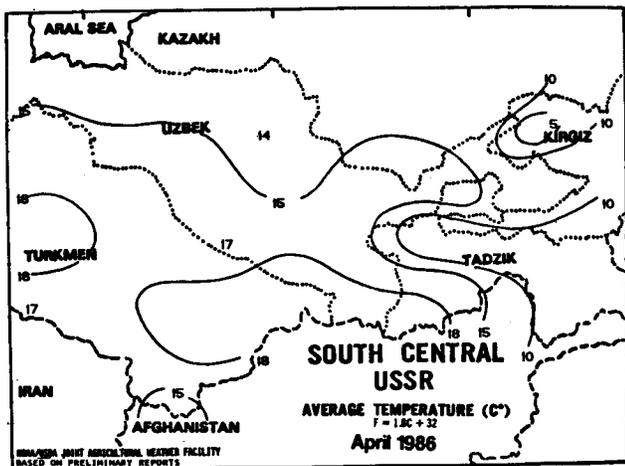
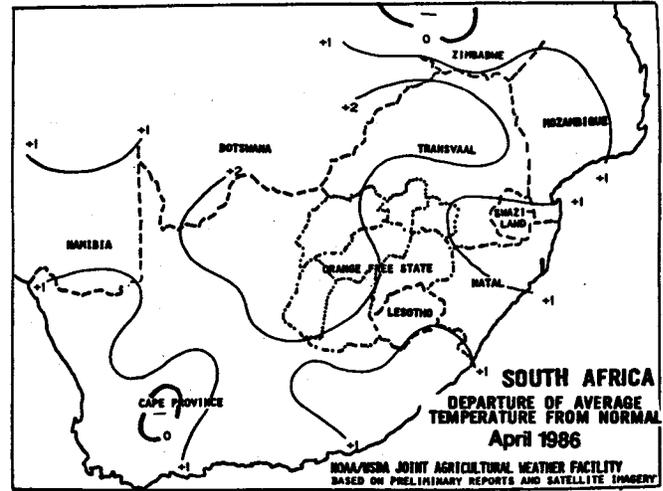
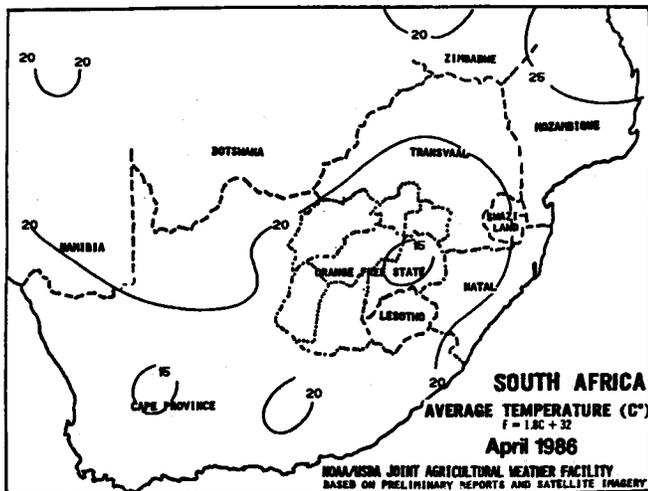
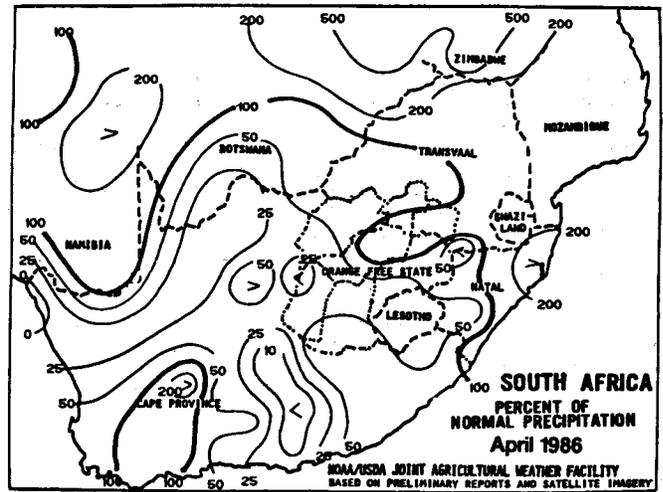
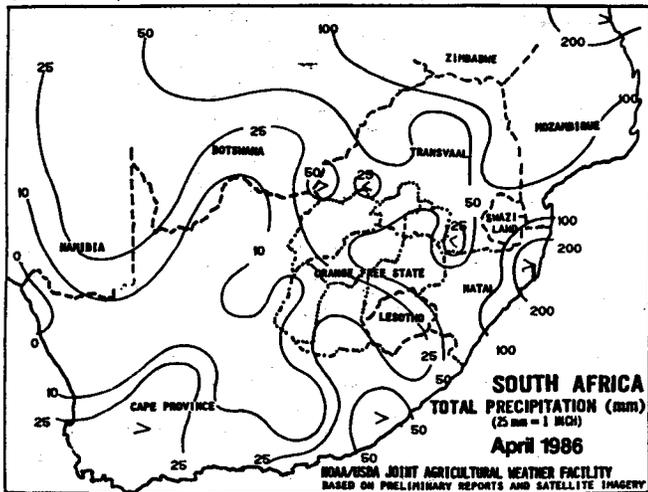


NEW LANDS ... Widespread precipitation covered spring wheat areas over much of the region, increasing topsoil moisture for planting which normally begins after mid-May. Winter precipitation over the region was near to above normal, and a mild, dry April favored early season fieldwork.

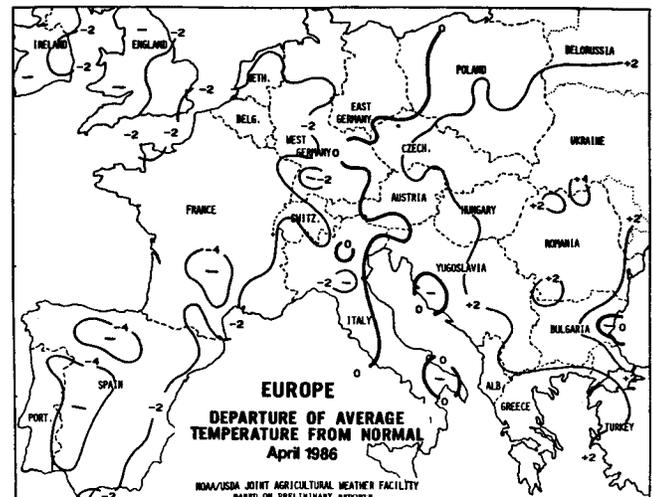
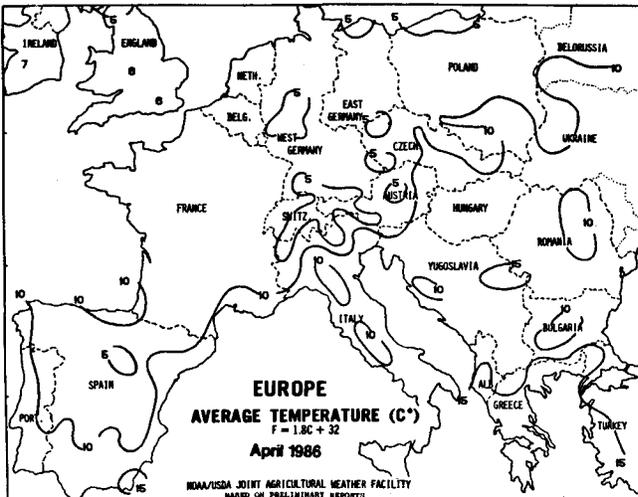
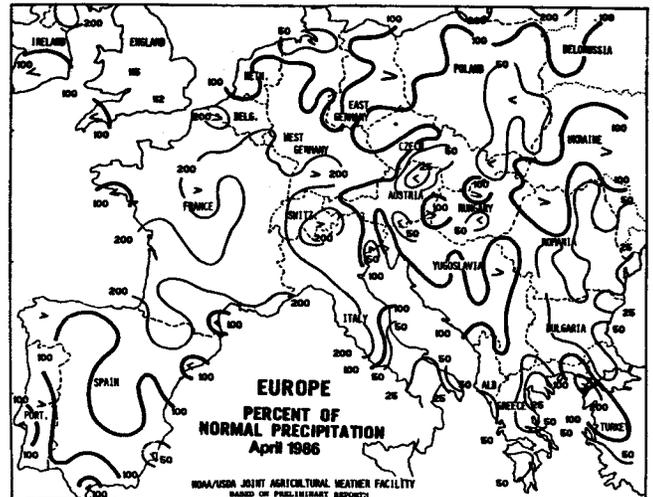
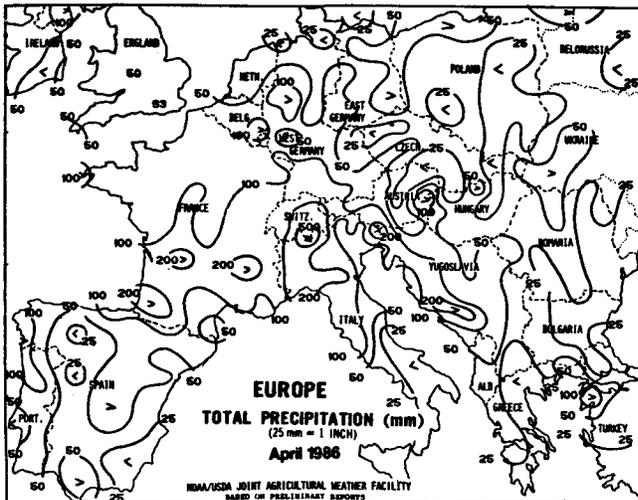
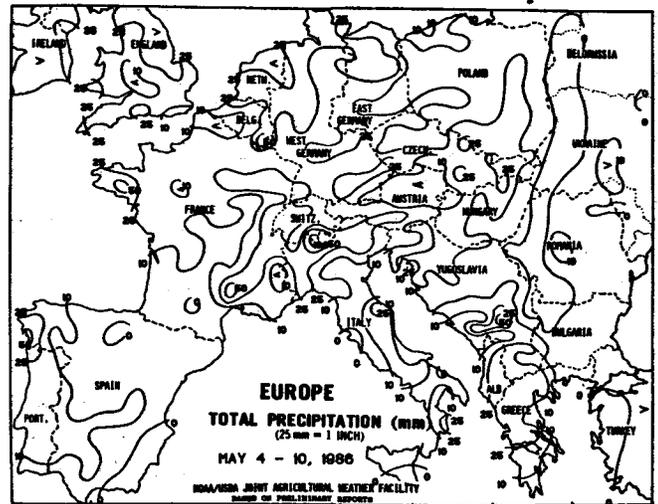


NORTHWESTERN AFRICA ... Mostly dry weather benefited maturing winter grains in Morocco. Light, scattered showers in Algeria and Tunisia should not have been detrimental to maturing winter grains as showers were interspersed with sunny days. In April, above-normal precipitation in northern Morocco benefited winter grains in the filling stage. Below-normal precipitation in Algeria created limited moisture for winter grains, but below-normal temperatures reduced crop moisture requirements. In Tunisia, below-normal precipitation for April continued a pattern which has covered winter grains during the growing season, significantly reducing the yield potential. At present, harvesting has likely begun in some areas, coinciding with the dry season. Weekly coverage of this region will be discontinued until next autumn when sowing of next year's crop is scheduled to begin.

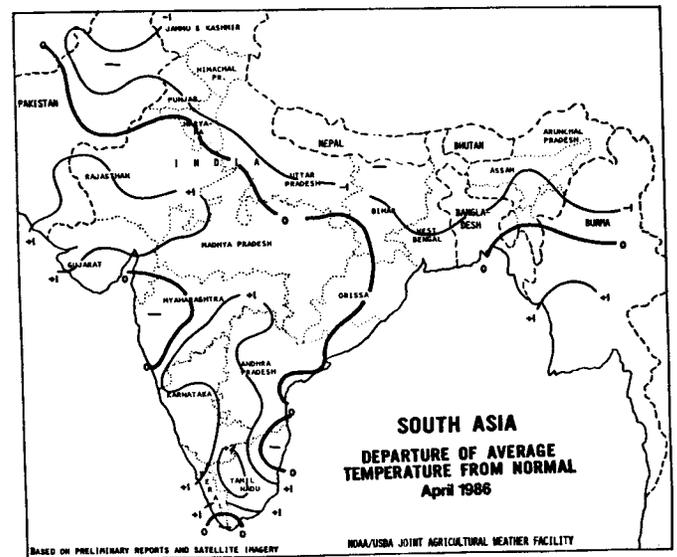
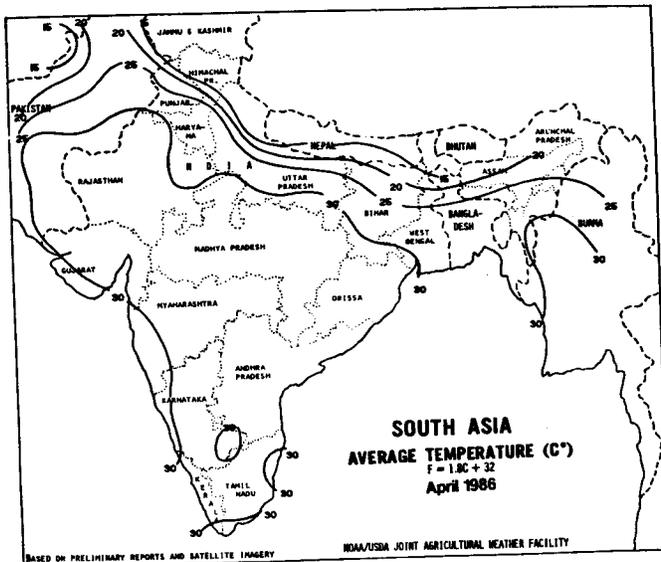
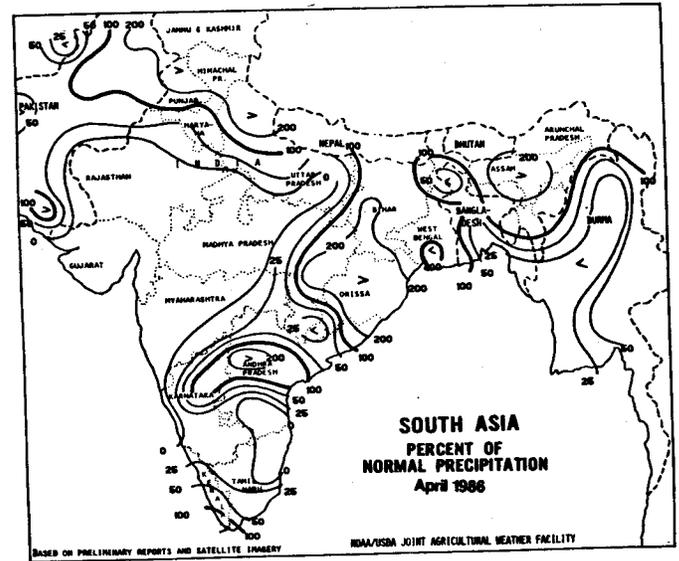
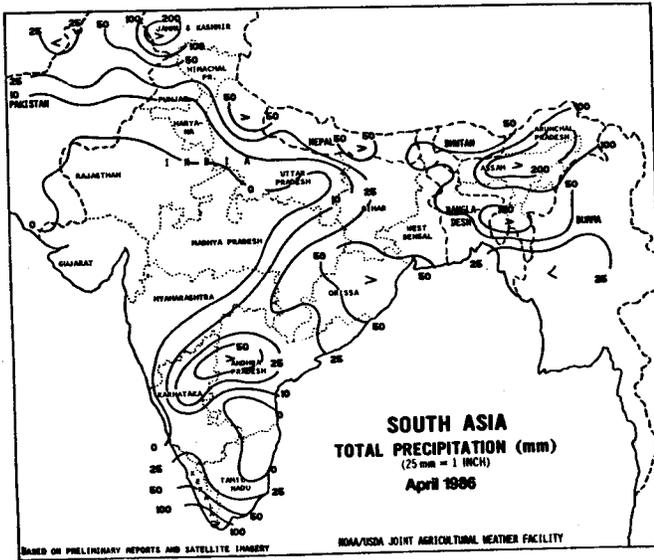
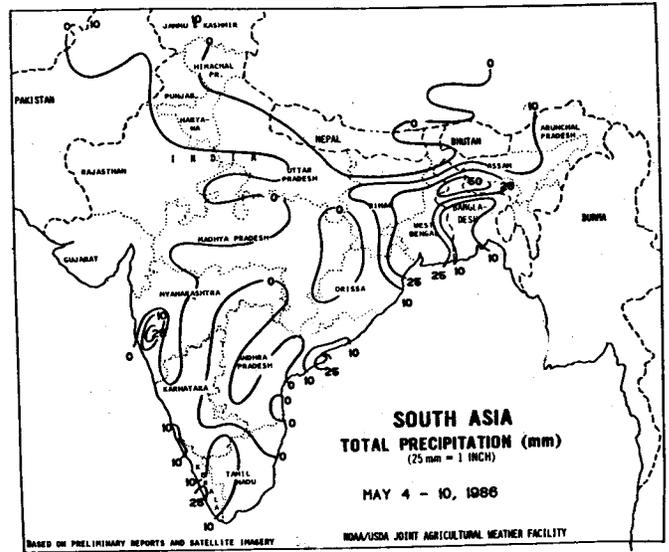




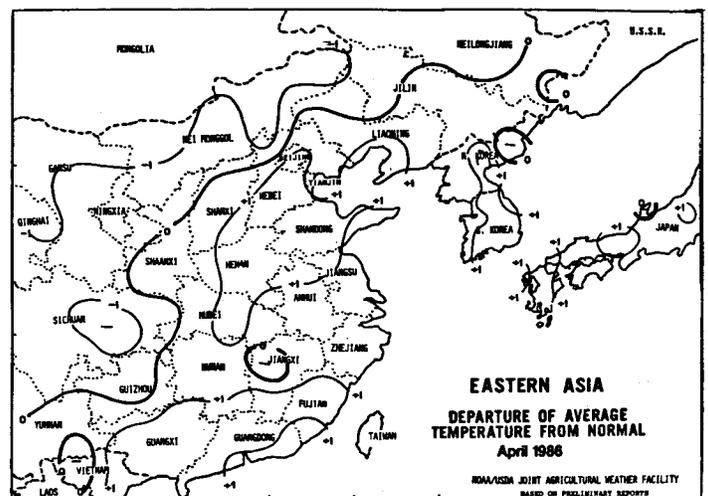
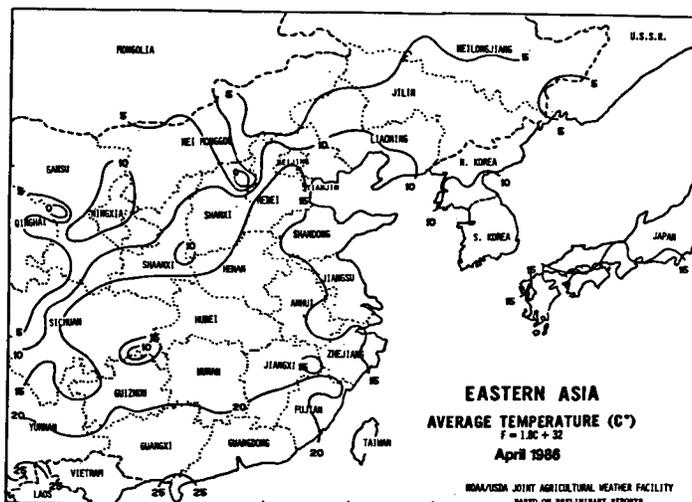
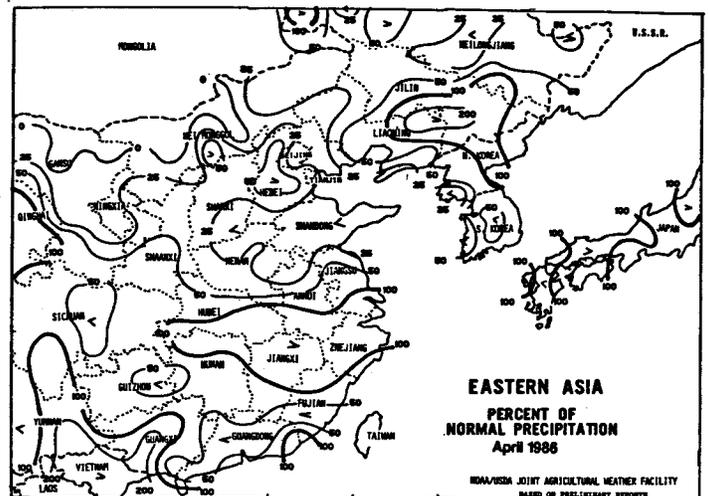
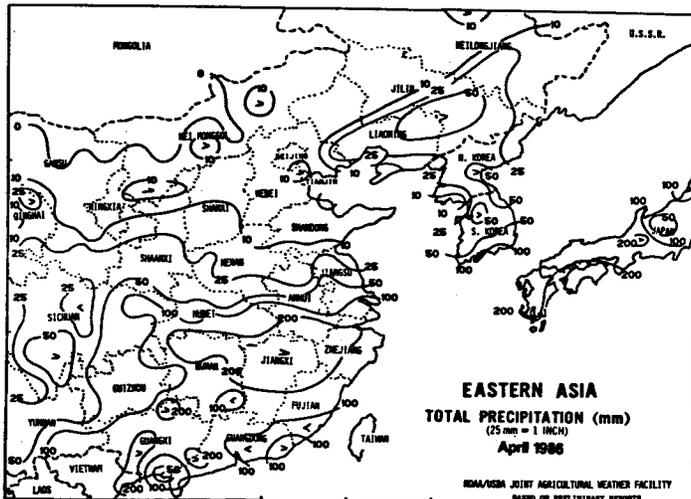
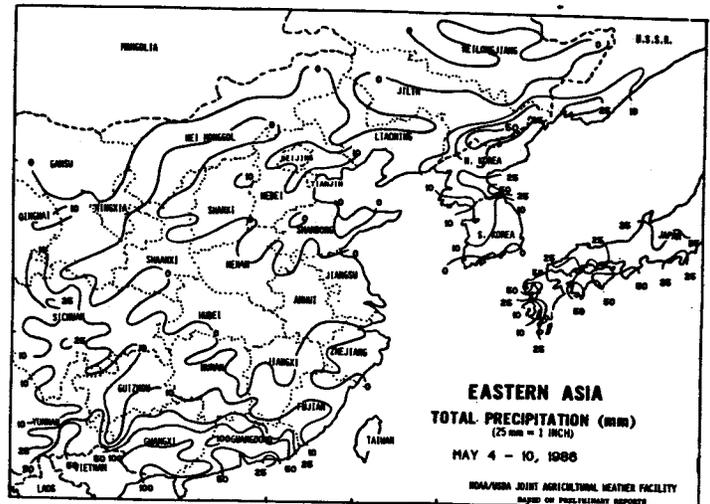
EUROPE ... Frequent showers in England, northern France, the Netherlands, Belgium, and West Germany may have caused further planting delays, following April's wet pattern. Above normal precipitation covered crop areas in East Germany, reversing April's below normal rainfall pattern. April's dry weather in southern Romania and northern Bulgaria continued this past week, likely stressing winter grains and creating unfavorable moisture conditions for summer crop planting. Light, scattered showers continued to benefit Spanish winter grains, following near-normal rainfall in April. Weekly temperatures continued April's below-normal pattern in the west and above normal in the east.



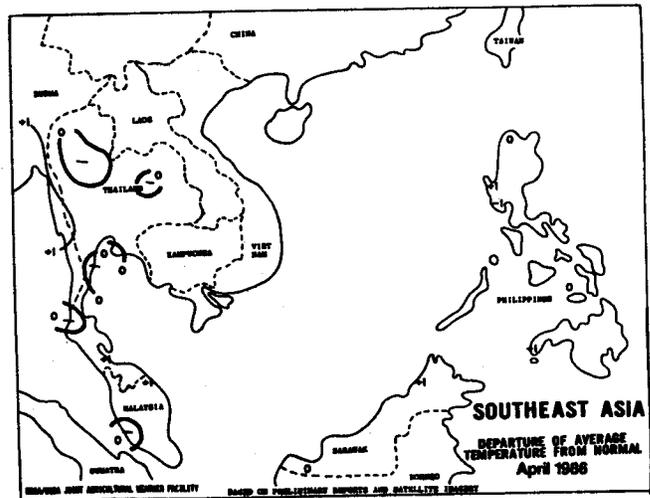
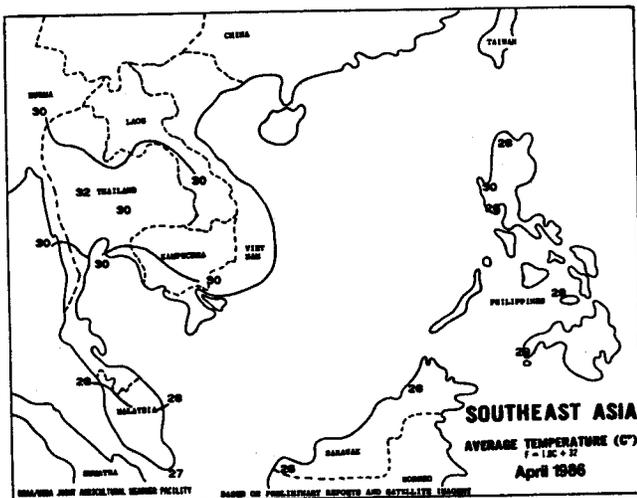
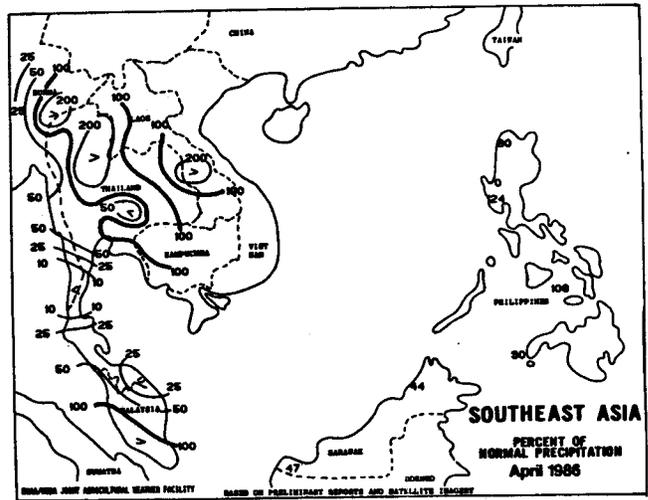
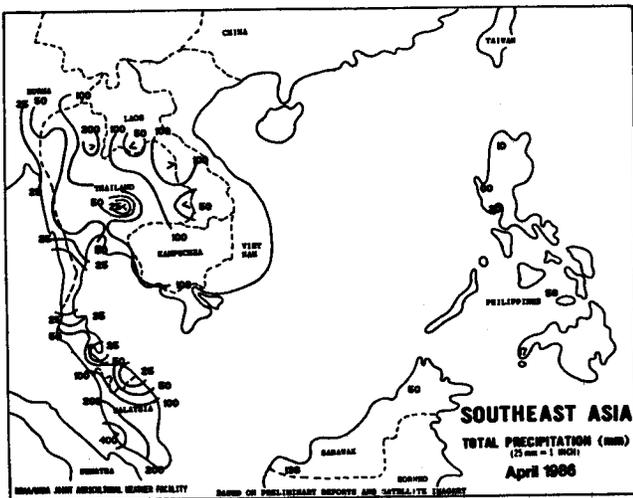
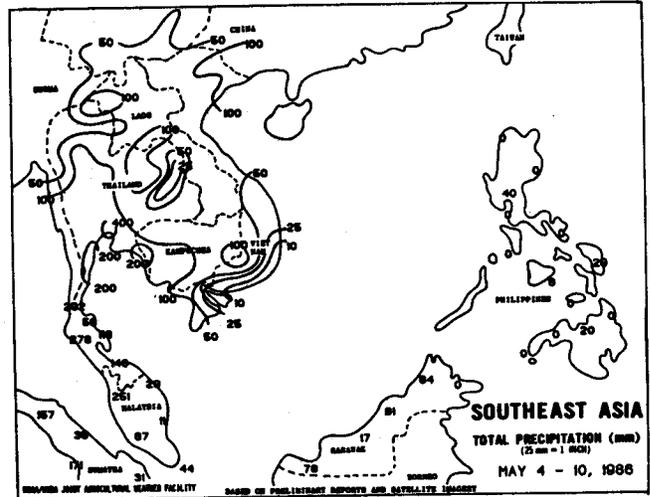
SOUTH ASIA ... Scattered, light showers (1 to 5mm) fell in much of southern and central India. Moderate rain (20 to 30mm) fell in West Bengal and eastern Bihar, moistening soils where some autumn rice will be planted in June. Light showers fell in northern India while wheat harvesting is nearing completion. April's rainfall was above normal in northern wheat areas of Pakistan and India slowing harvest progress. Above-normal rain during April fell in southern and eastern India, but rice planting must wait for monsoon rainfall in June.



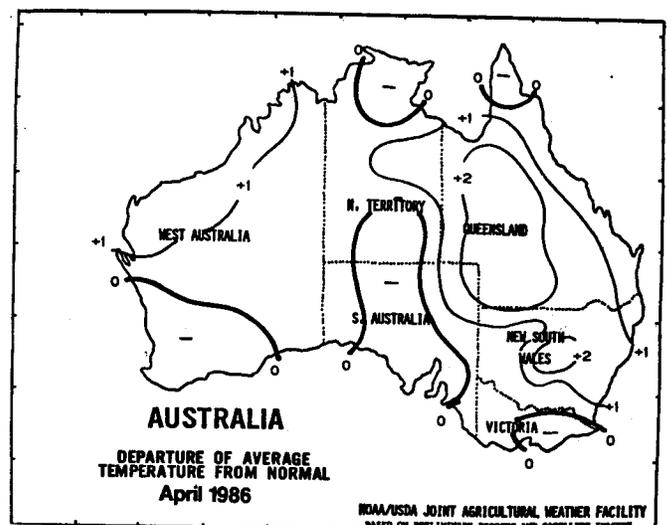
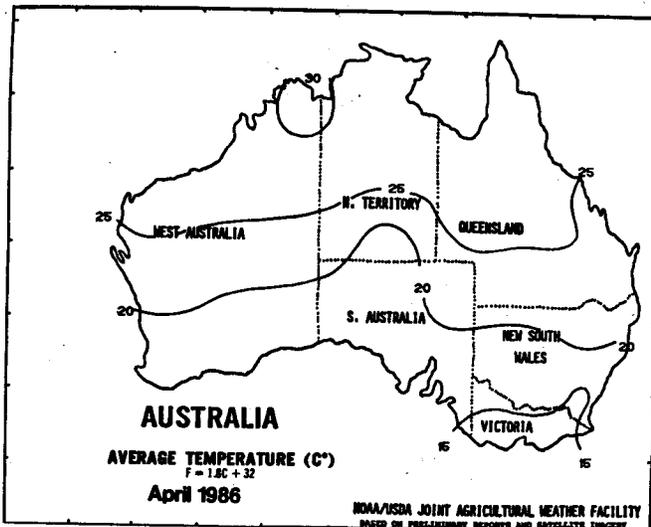
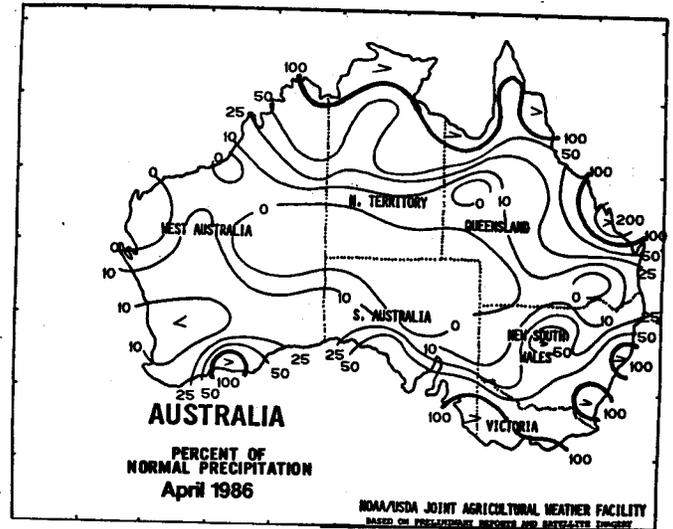
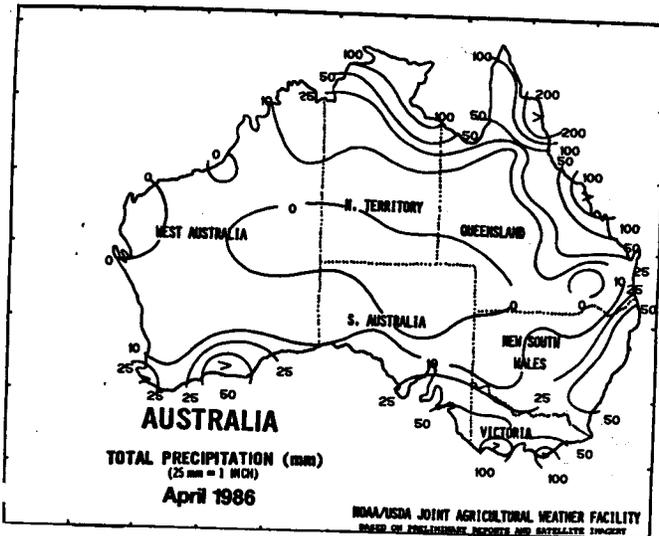
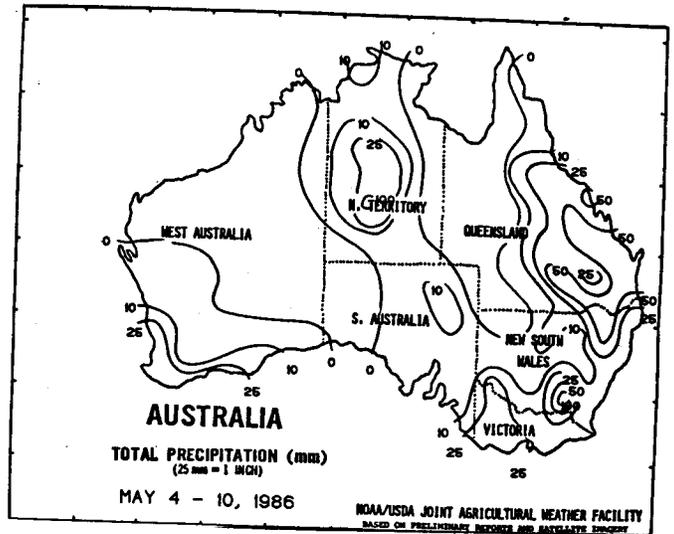
EASTERN ASIA ... Significant rain was concentrated in the southwestern rice areas. Guangdong and Guangxi received 50 to 100mm of rain, benefiting early rice in the heading stage. The rest of the rice region was relatively dry, but moisture is adequate. Light showers, less than 5mm, fell in Hebei, Shandong, and northern Henan but did little to offset the very dry conditions. Rainfall during April was much below normal in the North China Plain and temperatures averaged above normal. Most of the winter wheat areas received less than 50 percent of normal rainfall and some areas less than 25 percent. The dry conditions forced crops to rely on irrigation, while nonirrigated crops are being stressed by the dryness.



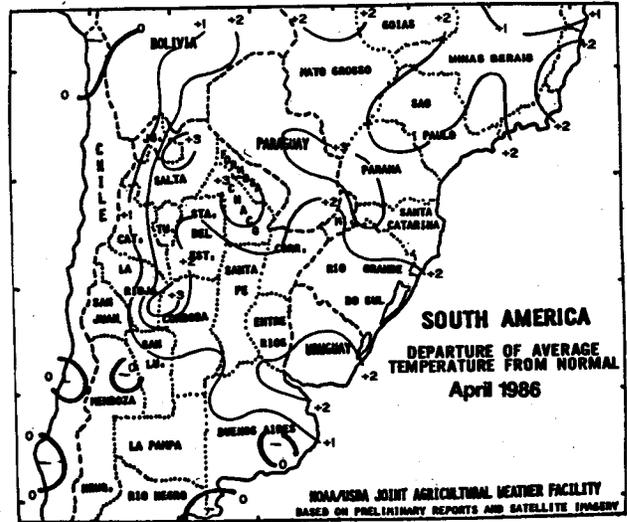
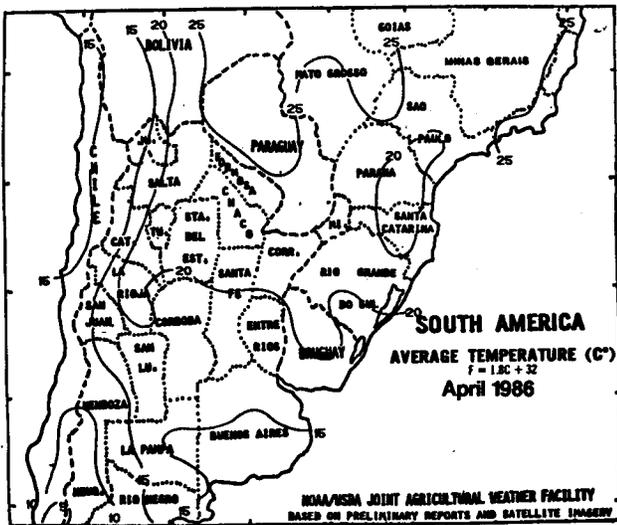
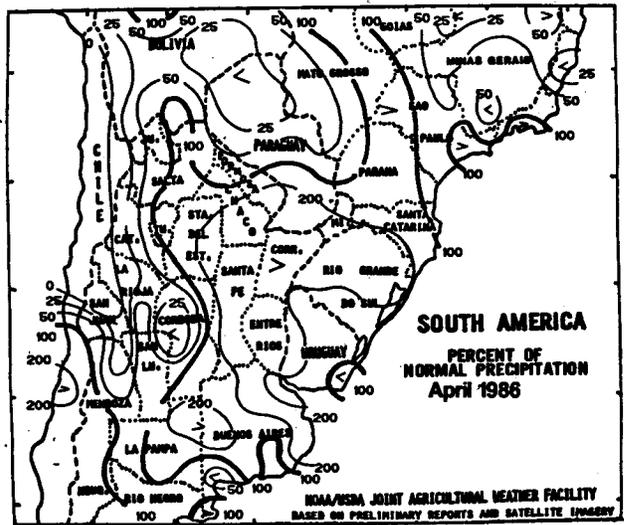
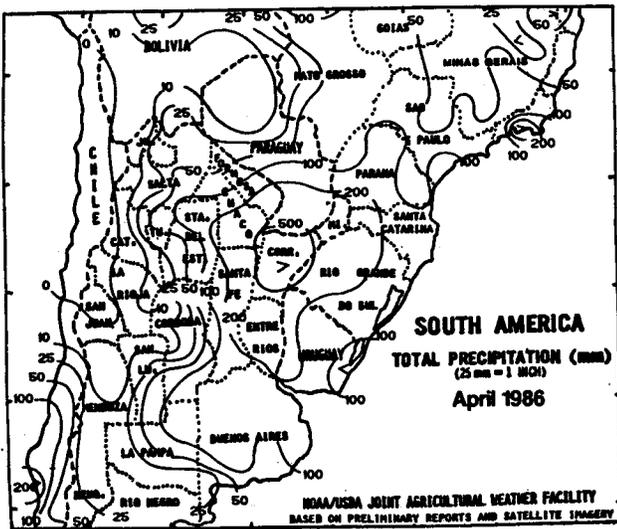
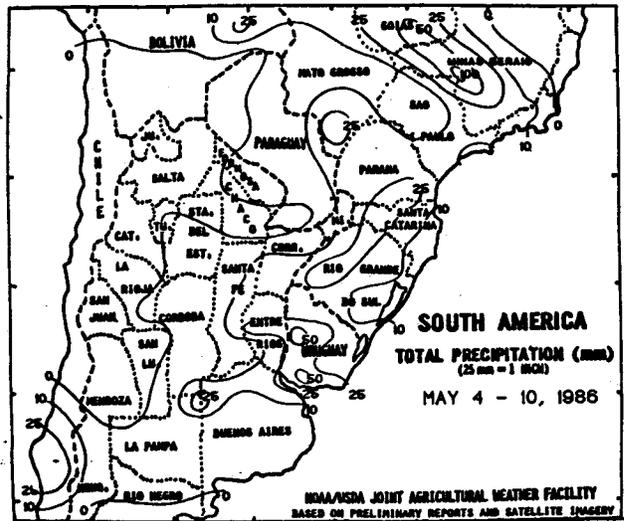
SOUTHEAST ASIA ... Moderate to heavy rain covered much of Indochina. Nearly all of Thailand received 50 to over 100mm of rain. The moisture will benefit planting conditions for corn and rice. Flooding likely occurred in the Chao Pharya River where 100 to 200mm of rain fell. Extremely heavy rain (over 400mm) inundated the Bangkok area. Scattered rain fell in the Philippines, but the important rice area in central Luzon remains unfavorably dry. April's premonsoon showers were above normal in much of Thailand possibly allowing some early corn and rice planting.



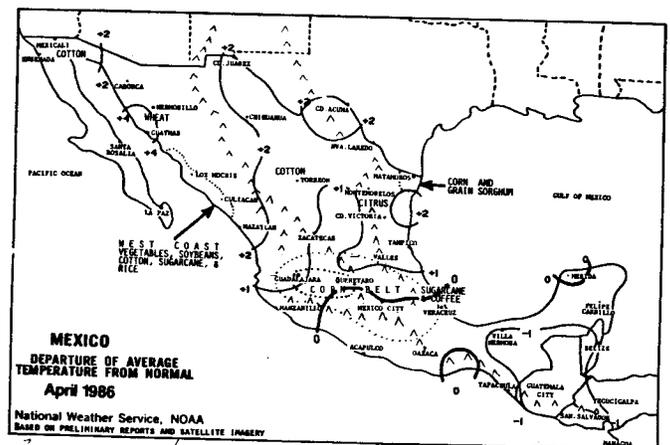
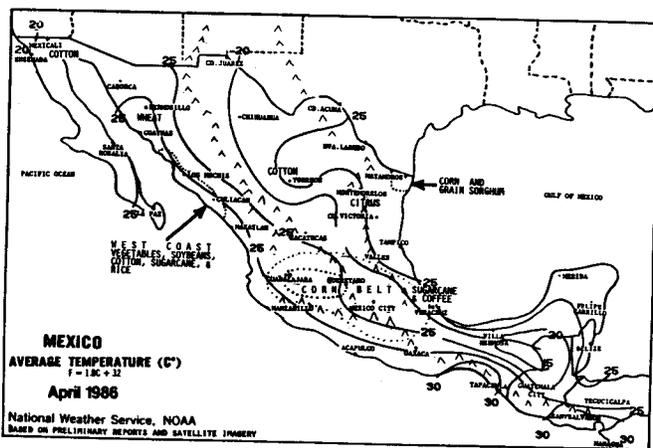
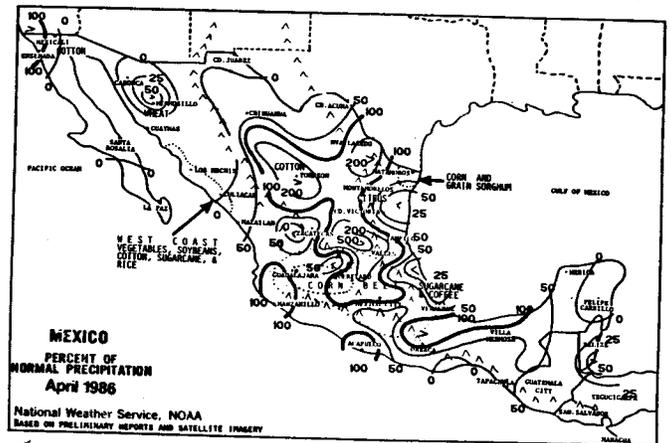
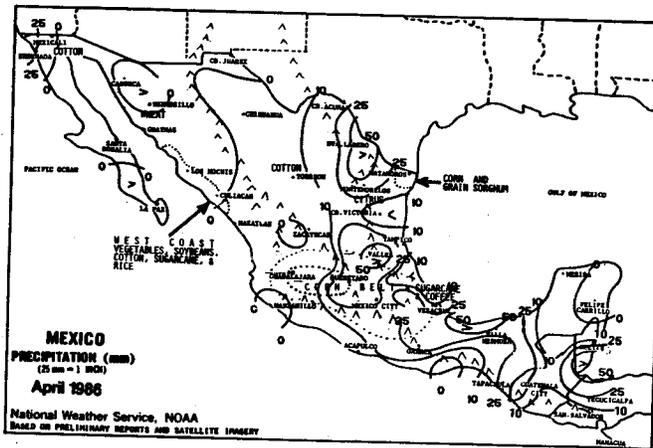
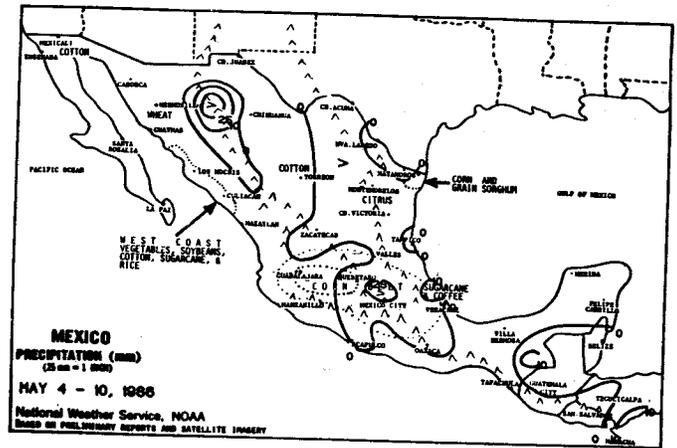
AUSTRALIA ... Significant rain continued in the northeastern wheat belt. Moderate to heavy rain (25 to 75mm) covered much of southeastern Queensland and northern New South Wales. Variable rain fell in central and southern New South Wales where as much as 100mm of rain likely caused localized flooding. In general, planting conditions in the eastern wheat belt have greatly improved; however, some unfavorably dry areas remain in central New South Wales. Light showers fell in the western wheat areas where additional planting moisture is needed. April's rainfall continued below normal in nearly all wheat areas. While the recent rain has allowed planting to progress, more rain is needed to replenish low subsoil moisture reserves.



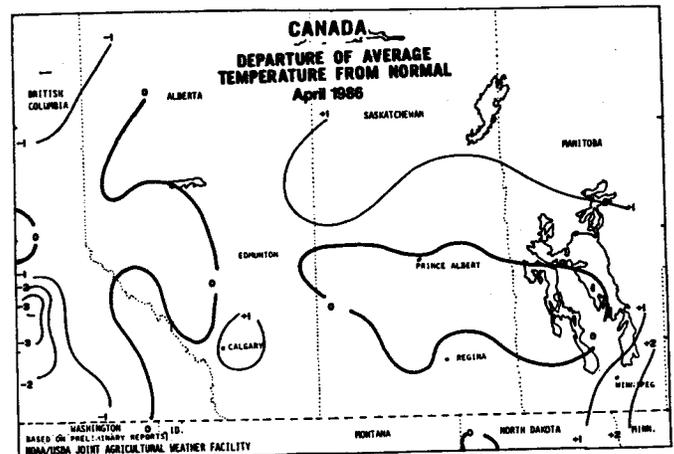
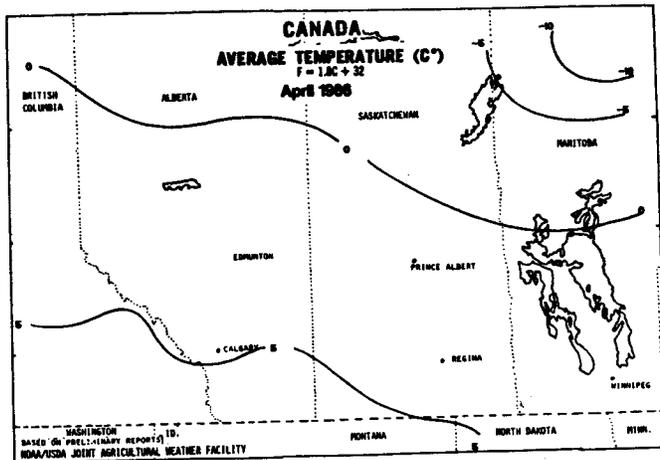
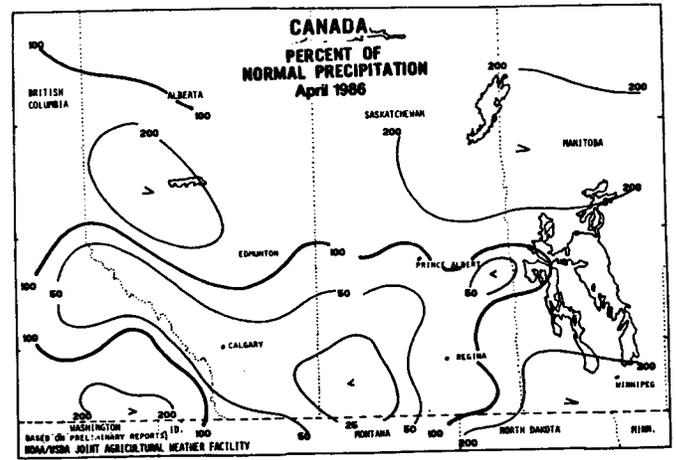
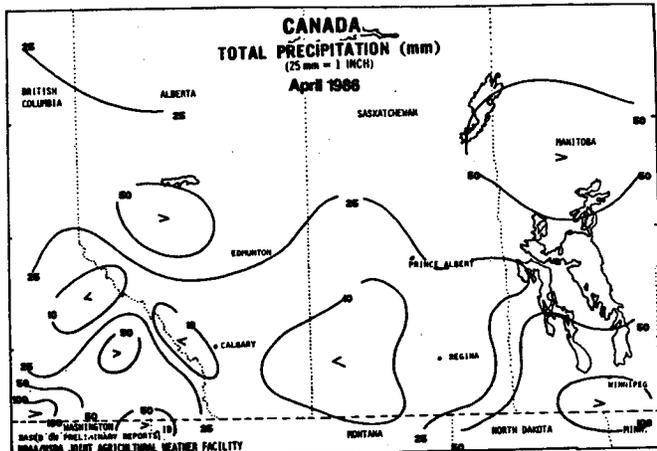
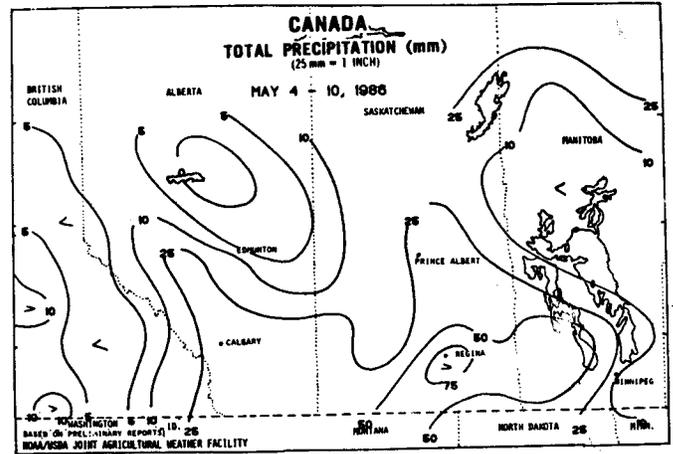
SOUTH AMERICA ... Some rain fell over most crop areas, but harvesting likely made progress. In Brazil, weekly amounts generally averaged 15 to 25mm in the major southern soybean areas of Rio Grande do Sul and Parana, and less than 10mm over Sao Paulo and much of Mato Grosso do Sul. Several days of dry weather allowed harvesting in these areas, however. A narrow zone of 50 to over 100mm of rain fell in southern portions of Goias and Minas Gerais, halting fieldwork but improving soil moisture following a relatively dry April. Above average April rainfall over most of Brazil's soybean area slowed the harvest (about 75 percent complete) lagging behind last year and the recent average. Argentina's harvest weather improved in early May following April's above average rainfall. Light showers fell this past week. Corn and sunflowers are reportedly over 80 percent harvested. Sorghum and soybean harvesting are over 65 percent and 20 percent complete, respectively.



MEXICO ... Scattered showers continued over eastern Mexico. Weekly rainfall amounts were mostly light, generally less than 10mm. Some rain also fell in the northwestern mountains, greatly benefiting the western reservoirs which are low. Dry weather prevailed over the remainder of the country, favoring fieldwork but hampering unirrigated crop development in the west. April rainfall was well below average in the west, while monthly temperatures averaged 2 to 5 degrees C above normal. April's weather promoted wheat maturity and harvesting but was unfavorable for planting and early crop growth. Late-month rain helped cotton, sorghum, and corn development in the northeast and early corn growth in the eastern half of the Southern Plateau corn belt.



CANADA ... Wet weather prevailed over nearly all of the Prairie grain belt, keeping the east too wet for planting but greatly improving topsoil moisture in the southwest. Rain, thunderstorms, and snow delayed fieldwork with weekly precipitation averaging 25 to 60mm or more across southern portions of all three provinces. In southwestern Manitoba, above-normal April and early May precipitation has produced abundant soil moisture but has delayed spring abundant soil moisture but has delayed spring planting. Further west, soil moisture reserves are limited in southwestern Saskatchewan due to well below-average spring precipitation. Recent precipitation in this area improved topsoil moisture for grain planting and emergence. Widespread precipitation moistened soils elsewhere in the spring wheat, barley, and rapeseed growing areas. Crop plantings are normally completed in May.



The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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ISSN 0043 1974