

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and World Agricultural Outlook Board

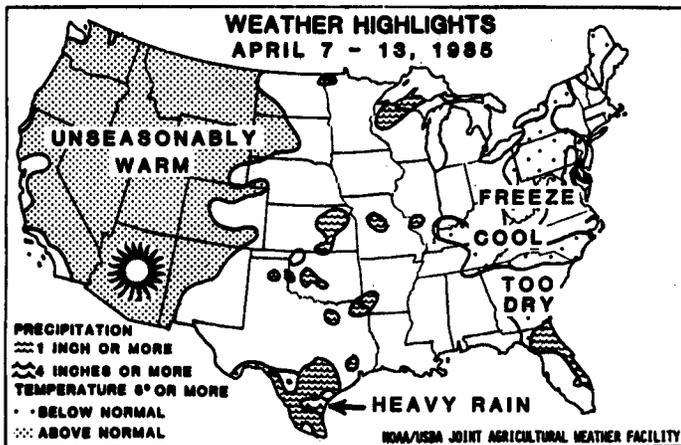
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Apr. 16, 1985

National Weather Summary

April 7 to 13, 1985



HIGHLIGHTS: Cold Canadian air moved into the upper Mississippi Valley early in the week and, by midweek, covered all of the East. Some early morning temperatures in the central Appalachians dropped to below 5 degrees (F) on Thursday. In sharp contrast, average temperatures west of a line from Texas to Minnesota were above normal--as much as 12 degrees warmer than normal over the Plateau and Intermountain region. Early in the week, snow fell from the northern Plains to New England. Snow mixed with sleet or rain from the upper Ohio Valley to the mid-Atlantic States. Showers and thunderstorms produced heavy rain in southern Texas and moderate rain northward into the lower Missouri Valley. While most of Florida received some rain, moderate to heavy rain fell along the east coast and southern tip.

SUNDAY...Light, intermittent rain fell from the upper Mississippi Valley through the Ohio Valley, to the mid-Atlantic area and southern New England. Light snow persisted in the northern Plains and Great Lakes region. Thunderstorms developed over southern Texas later in the day. Temperatures were mild, with the coldest weather in the northern Plains and Great Lakes region.

MONDAY...Sleet and snow scattered from the upper Ohio Valley into the central Appalachians. Snow fell through the Lakes and parts of the Northeast, while the northeastern coast had light rain. Afternoon thunderstorms spread over central and southern Texas. Cooler weather moved into the East and freezing temperatures reached to the southern Appalachians.

TUESDAY...Cold Canadian air moved through the Appalachians. Snow fell from the upper Ohio Valley

to New York and mixed with rain in the mid-Atlantic area. Showers and thunderstorms scattered over the central Plains and the central Rockies and developed again in southern Texas.

WEDNESDAY...Record-cold air covered the East Coast States. Low temperatures were well below 20 degrees in the central and northern Appalachians. In contrast, unusually warm air covered the West. Some heavy thunderstorms developed in southeastern Texas, and showers spread northward through Oklahoma to Missouri and into the Ohio Valley.

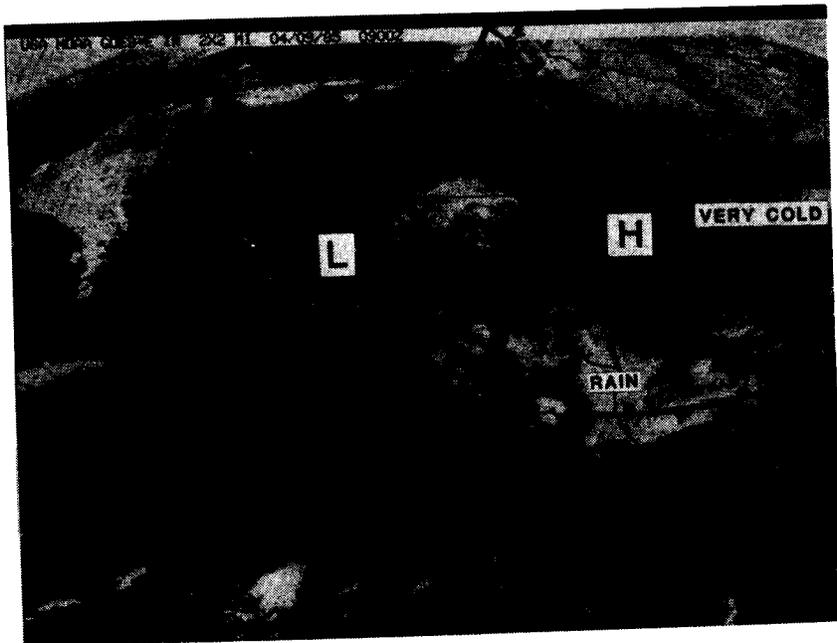
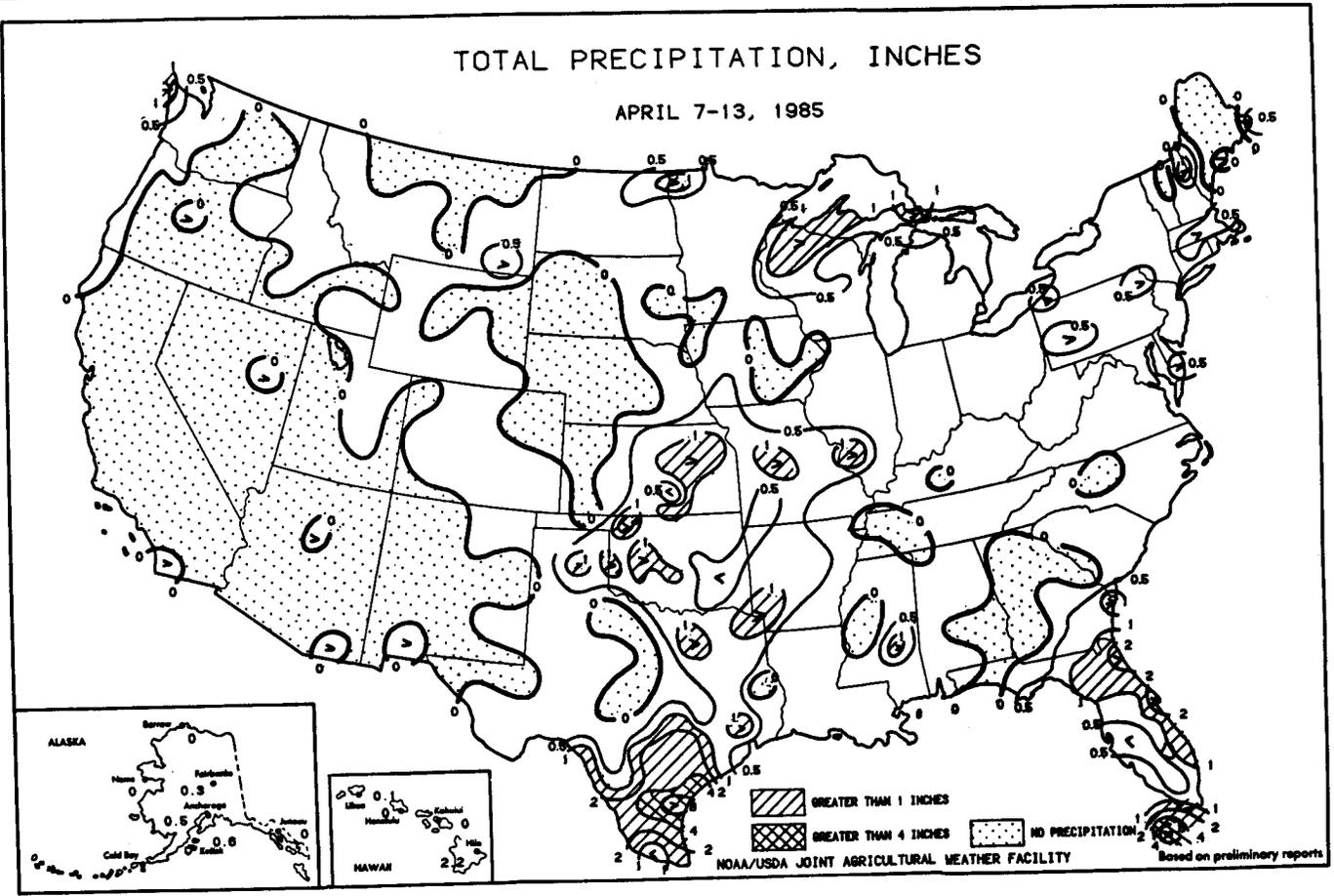
THURSDAY...The East was much warmer than the previous day, and very warm air pushed north through the Plains. Light showers and a few thunderstorms continued along the gulf coast and through the lower Mississippi Valley. Light showers fell from eastern Kentucky into New England. Rain also fell along the Northwest Coast and through the Rockies.

FRIDAY...Thunderstorms with gusty winds, hail, and a few tornadoes were along the leading edge of a cold front moving through the upper Mississippi Valley and the central and southern Plains. Another disturbance spread showers and thunderstorms along the middle and eastern gulf coast, the Tennessee Valley, and over Florida. Temperatures were generally mild over the Nation but were unusually warm in Nebraska, Iowa, and along the west coast.

SATURDAY...Showers and thunderstorms spread over most of Texas and northeastward into Illinois. Moderate rain and occasional thunderstorms covered much of Florida and southeastern Georgia. Light showers spread through all of the East Coast States. Unusually warm weather pushed into the central Great Lakes region, while cooler air spread over the Plains. Warm weather continued over the west coast.

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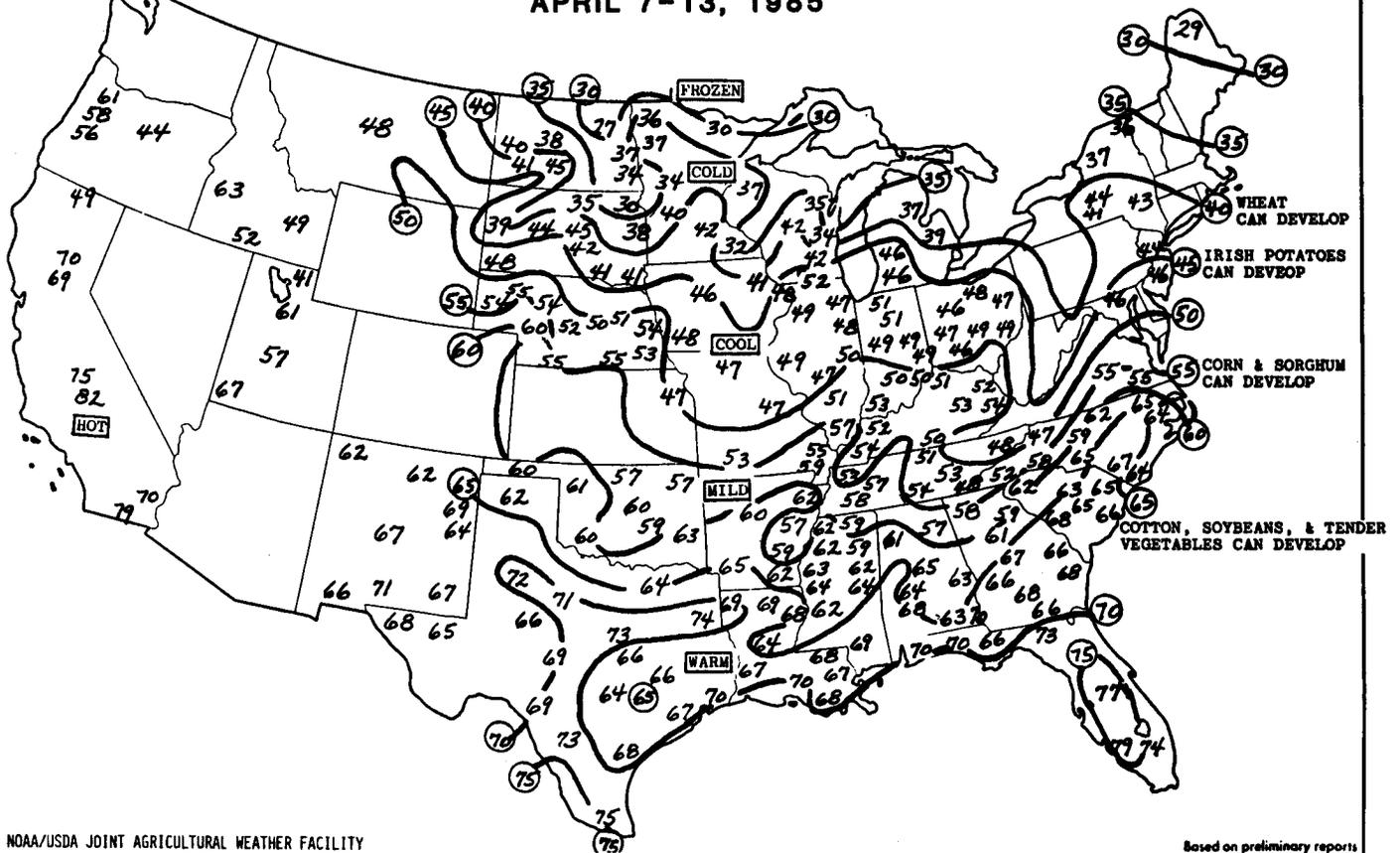
RECORD-COLD AIR CHILLS THE EAST, DAMAGING SOME ORCHARDS, ESPECIALLY APPALACHIAN APPLES.

HEAVY RAIN DRENCHES SOUTH TEXAS AND NORTHEASTERN MEXICO, INUNDATING SOME LOW SPOTS. THUNDERSTORMS MOISTEN CENTRAL MEXICO RANGELANDS.

LATE-SEASON SNOW BLANKETS PARTS OF THE OHIO VALLEY INTO NEW YORK.

SEASONALLY WARM AND MOSTLY DRY WEATHER DOMINATES THE CARIBBEAN.

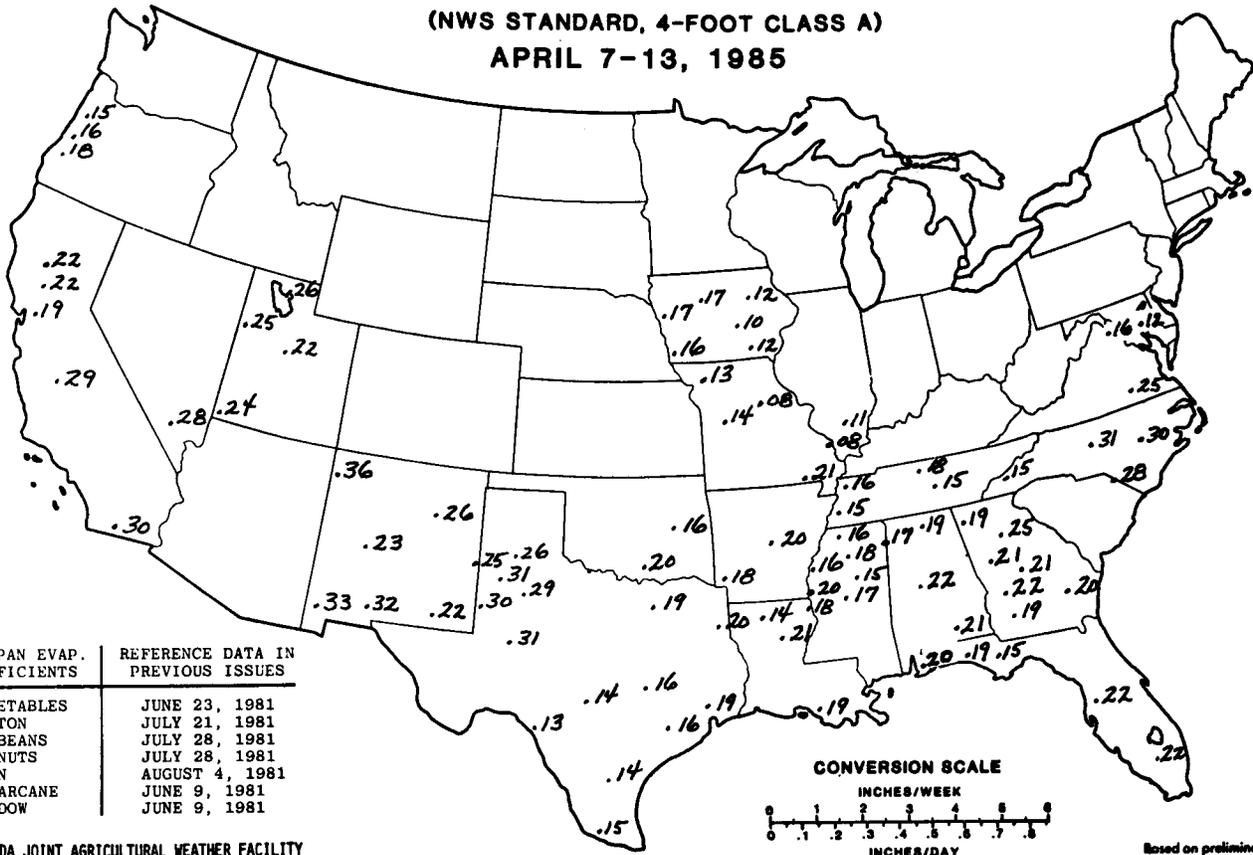
**AVERAGE SOIL TEMPERATURE (4-INCH BARE)
APRIL 7-13, 1985**



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

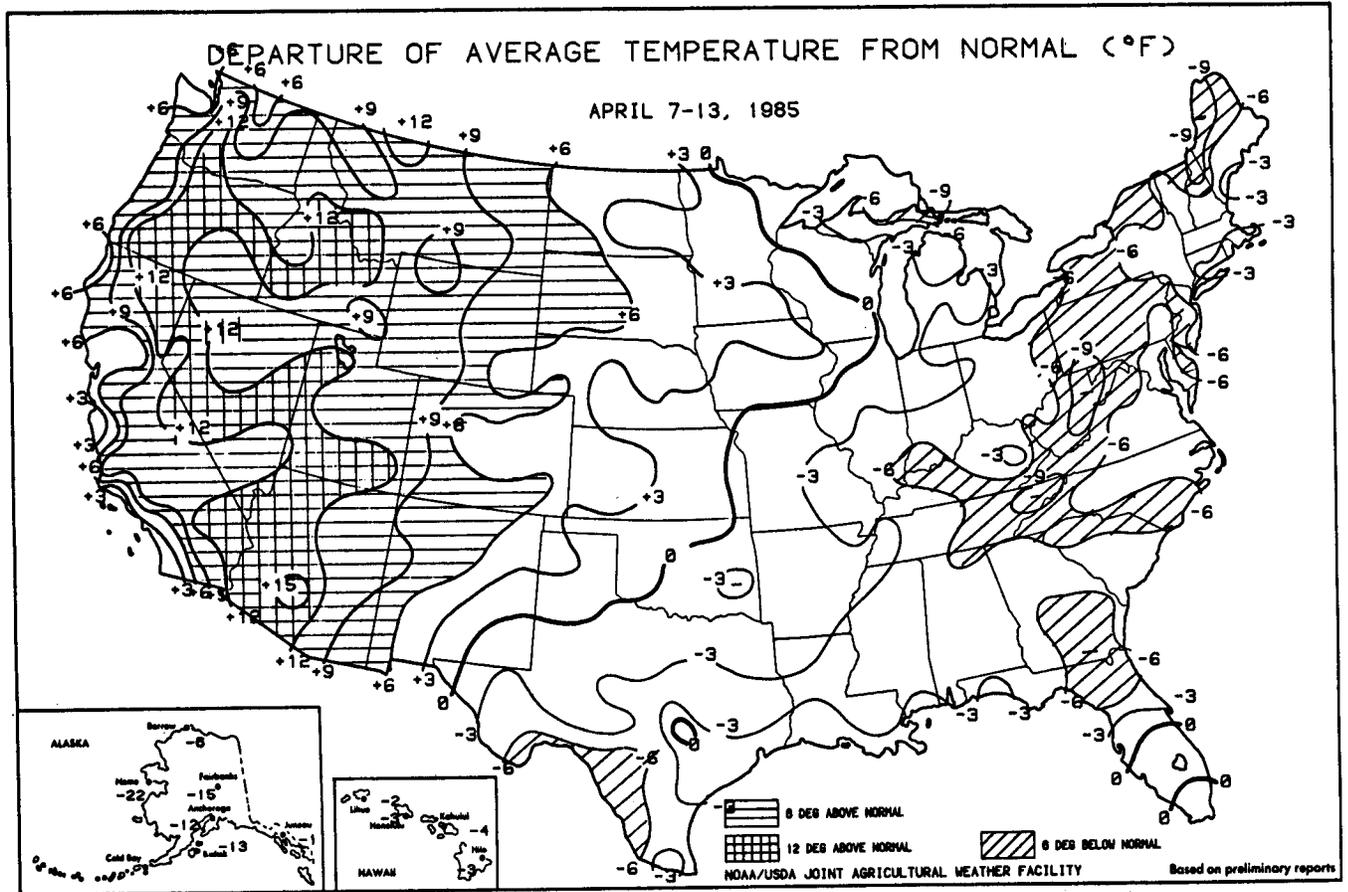
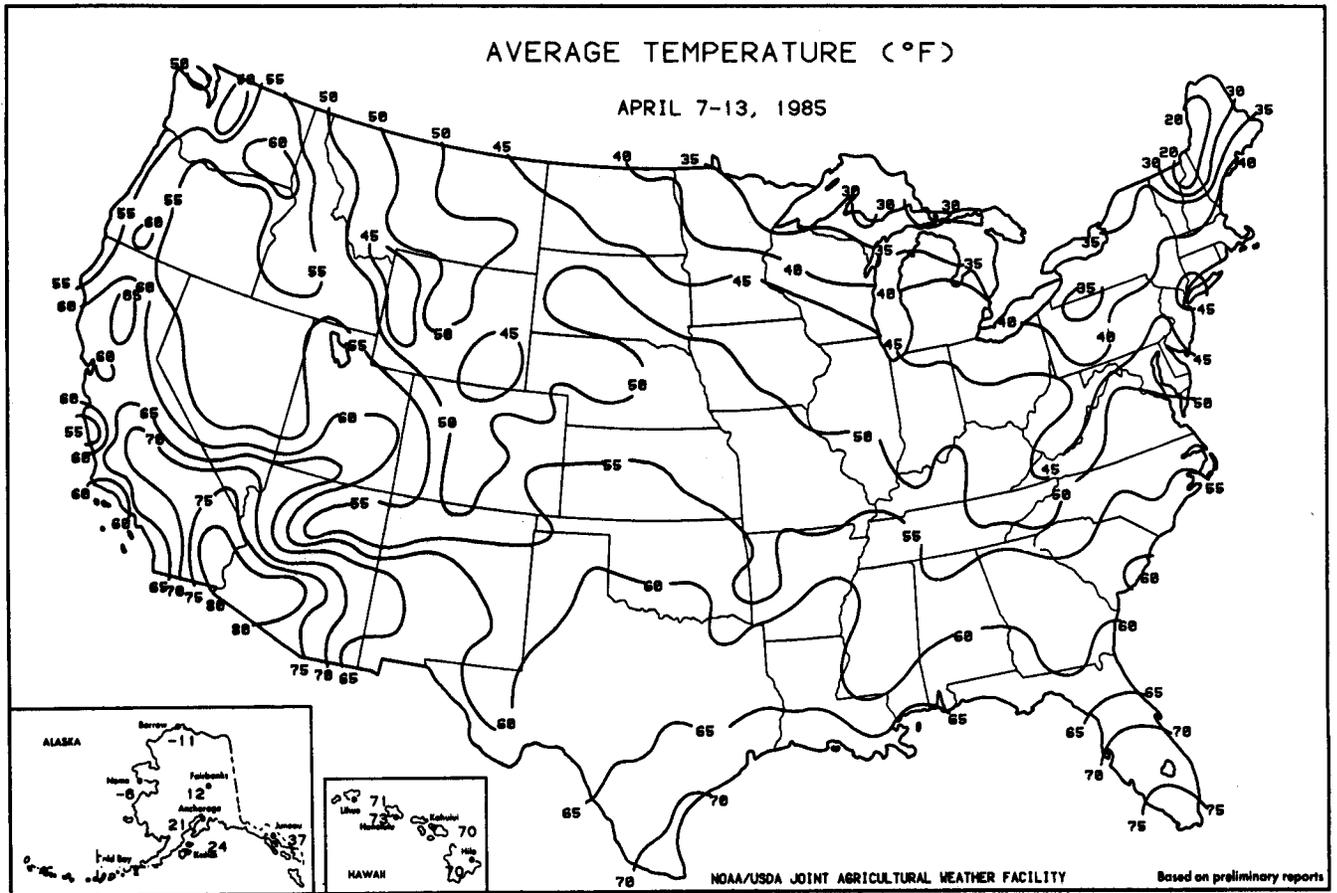
**AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
APRIL 7-13, 1985**

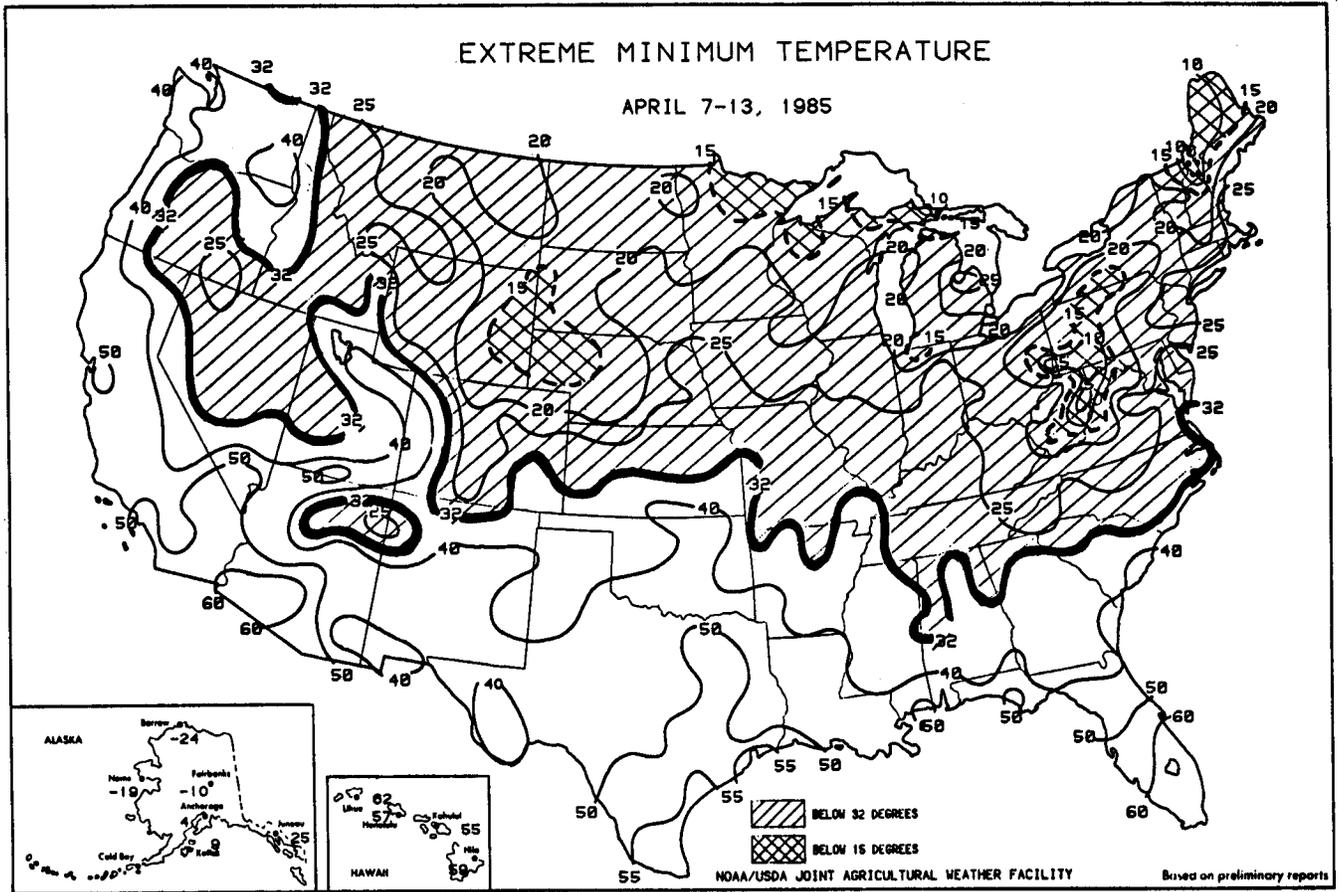


CROP-PAN EVAP. COEFFICIENTS	REFERENCE DATA IN PREVIOUS ISSUES
VEGETABLES	JUNE 23, 1981
COTTON	JULY 21, 1981
SOYBEANS	JULY 28, 1981
PEANUTS	JULY 28, 1981
CORN	AUGUST 4, 1981
SUGARCANE	JUNE 9, 1981
MEADOW	JUNE 9, 1981

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports





Weather Data for the Week Ending April 13, 1985

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
AL BIRMINGHAM	70	44	76	34	57	-4	T	-1.2	T	2.4	27	12.3	65	80	31	0	0	1	0
MOBILE	75	50	83	42	62	-4	T	-1.3	T	5.7	64	17.2	93	78	33	0	0	1	0
MONTGOMERY	73	47	79	35	60	-4	0	-1.1	0	3.0	37	15.3	92	82	34	0	0	0	0
AK ANCHORAGE	27	14	37	4	21	-12	.5	.3	.4	1.4	137	2.9	107	84	52	0	7	3	0
BARROW	-7	-16	-4	-24	-11	-6	T	-1.1	T	.2	60	.3	43	67	54	0	7	0	0
FAIRBANKS	21	3	38	-10	12	-15	.3	.2	.1	.8	158	1.8	120	87	49	0	7	5	0
JUNEAU	42	32	49	25	37	-1	T	-1.6	T	.3	6	1.2	11	97	63	0	3	0	0
KODIAK	30	19	37	9	24	-13	.6	-.3	.6	7.3	126	23.0	113	77	50	0	7	3	1
NOME	2	-14	10	-19	-6	-22	T	-1.2	T	1.5	171	2.6	118	80	60	0	7	0	0
AZ PHOENIX	97	67	99	64	82	15	0	-.1	0	.5	47	1.6	70	37	9	7	0	0	0
PRESCOTT	77	45	80	42	61	13	T	-1.2	T	1.7	87	4.4	85	53	19	0	0	0	0
TUCSON	90	59	94	53	75	11	0	-.1	0	.2	24	3.0	130	43	11	5	0	0	0
YUMA	99	64	104	61	82	13	0	-.1	0	T	13	.3	30	45	13	7	0	0	0
AR FORT SMITH	70	45	78	34	58	-2	.8	-.2	.6	8.4	148	15.7	157	87	36	0	0	3	1
LITTLE ROCK	70	48	77	38	59	-2	.8	-.5	.6	6.2	87	12.6	87	75	40	0	0	2	1
CA BAKERSFIELD	85	54	94	49	70	8	0	-.2	0	.5	41	1.4	42	78	29	2	0	0	0
EUREKA	58	48	62	45	53	4	T	-.7	T	4.7	72	9.1	49	95	81	0	0	1	0
FRESNO	86	54	93	51	70	11	0	-.3	0	1.7	79	2.9	48	81	30	2	0	0	0
LOS ANGELES	64	53	69	51	59	0	0	-.3	0	.7	32	3.3	42	87	61	0	0	0	0
RED BLUFF	81	52	89	49	67	9	0	-.4	0	3.1	97	4.6	42	81	32	0	0	0	0
SACRAMENTO	78	47	85	44	63	6	0	-.4	0	2.0	74	4.2	44	100	44	0	0	0	0
SAN DIEGO	68	57	72	54	62	1	T	-.2	T	.6	30	1.9	34	91	63	0	0	1	0
SAN FRANCISCO	69	49	84	47	59	5	T	-.4	T	3.3	94	6.4	56	92	57	0	0	0	0
CO DENVER	66	37	76	26	52	6	T	-.4	T	.7	38	2.0	65	68	22	0	1	0	0
GRAND JUNCTION	74	45	77	41	59	10	T	-.1	T	.9	90	1.7	77	56	19	0	0	1	0
PUEBLO	71	38	81	32	54	5	.1	-.1	.1	.7	63	1.6	100	74	22	0	1	1	0
CT BRIDGEPORT	53	37	65	29	45	-2	.2	-.8	.1	2.3	41	5.3	45	73	36	0	4	2	0
HARTFORD	53	33	60	21	43	-4	.6	-.4	.5	3.0	49	5.4	43	68	26	0	4	2	0
DC WASHINGTON	62	41	77	29	51	-4	.1	-.6	0	1.8	39	7.0	69	69	32	0	1	2	0
FL APALACHICOLA	72	52	76	43	62	-5	.7	-.1	.4	3.3	59	10.7	84	82	47	0	0	2	0
DAYTONA BEACH	73	58	78	49	65	-3	1.8	1.2	1.6	3.9	96	5.2	55	84	54	0	0	3	1
JACKSONVILLE	73	49	78	37	61	-6	1.5	.8	1.5	3.5	69	6.0	52	93	43	0	0	1	1
KEY WEST	80	72	84	67	76	-1	9.8	9.5	6.6	12.0	650	12.6	229	77	58	0	0	4	3
MIAMI	80	69	85	66	75	0	.9	.3	.6	2.4	80	2.8	39	85	54	0	0	3	1
ORLANDO	77	59	81	51	68	-3	.8	.3	.7	6.0	144	8.2	91	95	55	0	0	2	1
TALLAHASSEE	75	48	81	36	61	-4	.2	-.7	.2	5.0	66	9.5	56	92	41	0	0	1	0
TAMPA	80	60	86	52	70	-1	.3	-.1	.2	2.4	56	6.5	68	84	46	0	0	3	0
WEST PALM BEACH	79	67	85	65	73	0	1.5	.9	1.4	5.3	135	6.6	72	86	57	0	0	3	1
GA ATLANTA	68	46	76	37	57	-3	T	-1.1	T	2.6	33	11.7	68	65	26	0	0	0	0
AUGUSTA	73	44	82	36	59	-3	0	-.8	0	1.7	26	11.5	79	87	27	0	0	0	0
MACON	71	44	79	33	58	-6	T	-.8	T	1.9	28	9.8	63	90	35	0	0	1	0
SAVANNAH	70	47	78	38	59	-6	.8	.1	.8	2.9	56	4.8	42	84	40	0	0	1	1
HI HILO	75	64	79	59	70	-3	2.2	-.9	1.1	25.3	131	43.7	103	95	70	0	0	5	2
HONOLULU	82	63	86	57	73	-3	T	-.4	T	1.3	30	6.6	61	87	50	0	0	0	0
KAHULUI	80	59	85	55	70	-4	T	-.3	T	2.2	59	4.6	41	94	54	0	0	0	0
LIHUE	78	64	80	62	71	-2	.1	-.7	.1	2.3	39	12.3	77	78	53	0	0	1	0
ID BOISE	73	44	78	39	59	12	T	-.3	T	1.0	65	1.8	42	66	23	0	0	0	0
LEMISTON	75	45	82	40	60	11	.2	-.1	.2	.8	57	1.7	46	72	31	0	0	1	0
POCATELLO	68	34	73	30	51	8	T	-.3	T	1.5	107	3.2	94	83	26	0	4	1	0
IL CHICAGO	56	35	76	21	45	-2	.1	-.7	.1	5.5	131	10.4	146	91	45	0	4	4	0
MOLINE	60	38	80	24	49	1	.2	-.8	.2	5.8	131	9.5	130	82	42	0	3	1	0
PEORIA	58	37	75	24	47	-2	.1	-.8	.1	6.5	146	10.1	135	90	42	0	3	1	0
QUINCY	59	40	77	26	49	-1	.1	-.8	0	3.6	76	7.9	105	90	45	0	2	2	0
ROCKFORD	58	35	77	21	47	1	T	-1.0	T	4.4	100	7.2	103	90	42	0	4	1	0
SPRINGFIELD	58	40	74	26	49	-2	T	-.9	T	5.1	105	8.7	106	90	44	0	2	1	0
IN EVANSVILLE	59	39	74	27	49	-5	.2	-.8	.2	7.0	109	13.0	105	81	40	0	3	2	0
FORT WAYNE	55	36	74	26	46	-1	.1	-.7	.1	5.2	117	10.8	127	90	52	0	3	4	0
INDIANAPOLIS	58	37	75	25	47	-3	T	-.8	T	7.4	141	12.5	120	85	44	0	3	3	0
SOUTH BEND	54	34	73	14	44	-2	.2	-.8	.1	5.6	115	12.5	134	86	46	0	4	3	0
IA DES MOINES	61	35	81	21	48	0	T	-.7	T	3.4	99	6.1	109	89	39	0	3	0	0
SIOUX CITY	65	37	85	26	51	4	T	-.5	T	2.3	89	2.7	64	78	32	0	3	0	0
WATERLOO	61	35	81	20	48	3	T	-.8	T	3.1	86	5.0	91	79	39	0	3	1	0
KS CONCORDIA	65	39	76	27	52	1	.8	-.3	.7	1.8	67	3.8	90	97	51	0	2	3	1
DODGE CITY	68	42	79	34	55	3	.4	0	.4	1.9	89	4.2	131	83	33	0	0	1	0
GOODLAND	66	36	80	26	51	5	0	-.2	0	.3	24	1.0	45	70	26	0	3	0	0
TOPEKA	64	42	78	28	53	0	1.4	-.7	.7	4.3	124	7.0	130	91	44	0	1	3	2
WICHITA	67	45	75	36	56	1	.3	-.2	.2	2.2	77	4.6	102	91	46	0	0	3	0
KY BOWLING GREEN	60	40	74	27	50	-5	T	-1.0	T	3.1	42	7.4	47	87	42	0	2	0	0
LEXINGTON	58	38	73	25	48	-5	.2	-.8	.1	4.5	67	7.5	56	79	40	0	3	3	0
LOUISVILLE	61	40	74	27	50	-5	T	-1.0	T	5.1	77	9.4	71	79	39	0	2	2	0
LA ALEXANDRIA	74	51	79	43	63	-3	.1	-1.2	.1	3.6	49	15.7	89	85	42	0	0	1	0
BATON ROUGE	75	52	81	44	64	-4	.1	-1.2	.1	4.4	64	14.9	90	86	41	0	0	1	0
LAKE CHARLES	76	55	82	45	65	-2	T	-.9	T	3.6	77	13.8	109	89	41	0	0	1	0
NEW ORLEANS	73	55	80	44	64	-4	.3	-.7	.3	7.5	113	21.5	128	73	40	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 13, 1985

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	TEMPERA- TURE		PRECIPI- TATION		
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	75	51	79	45	63	-1	.3	-.8	.3	4.6	80	11.4	86	86	39	0	0	1	0	
ME CARIBOU	36	20	43	12	28	-7	.1	-.5	0	2.6	73	6.3	79	71	37	0	7	2	0	
PORTLAND	49	29	59	20	39	-2	T	-1.0	T	3.9	69	6.5	50	64	24	0	4	0	0	
MD BALTIMORE	59	35	73	22	47	-5	.1	-.7	.1	2.5	49	7.5	67	70	32	0	3	2	0	
MA SALISBURY	60	35	76	28	47	-5	.5	-.3	.5	2.8	51	8.6	70	93	40	0	4	2	0	
BOSTON	53	35	59	26	44	-3	.7	-.2	.7	3.4	58	6.3	47	76	27	0	3	1	1	
CHATHAM	47	36	51	28	42	-2	.4	-.6	.4	5.3	93	8.9	63	--	--	0	2	1	0	
MI ALPENA	42	23	53	15	33	-6	.4	-.2	.3	4.7	158	9.1	152	90	39	0	6	2	0	
DETROIT	51	30	68	19	41	-5	.1	-.7	.1	6.0	153	12.4	165	90	47	0	4	2	0	
FLINT	52	31	73	22	42	-2	.2	-.5	.1	7.0	204	11.9	183	86	46	0	4	5	0	
GRAND RAPIDS	51	31	71	19	41	-3	.2	-.7	.1	6.1	152	11.3	151	98	56	0	4	4	0	
HOUGHTON LAKE	46	25	66	17	35	-4	.2	-.4	.2	5.1	172	8.7	153	87	40	0	6	1	0	
LANSING	51	31	73	20	41	-3	T	-.7	T	5.6	157	10.6	154	92	54	0	4	1	0	
MARQUETTE	40	19	53	8	29	-5	1.4	.5	.9	7.6	175	13.4	163	90	52	0	7	5	1	
MUSKOGON	51	31	70	17	41	-2	.1	-.7	.0	5.0	128	10.3	130	87	50	0	4	3	0	
SAULT STE. MARIE	36	19	45	9	27	-8	1.2	.6	1.1	4.9	161	10.3	149	83	41	0	7	2	1	
MN ALEXANDRIA	51	30	63	19	40	-1	T	-.5	T	2.0	97	2.9	81	86	41	0	3	0	0	
DULUTH	41	27	58	17	34	-2	.3	-.2	.3	2.1	79	3.1	65	77	42	0	5	3	0	
INT'L FALLS	44	24	58	13	34	-2	.3	0	.2	1.1	60	2.1	64	81	45	0	7	2	0	
MINNEAPOLIS	58	34	82	21	46	3	.2	-.2	.2	4.7	186	6.1	145	71	34	0	3	2	0	
ROCHESTER	56	33	77	22	45	3	.1	-.5	0	2.8	103	4.0	95	83	42	0	3	2	0	
MS GREENWOOD	70	48	77	37	59	-4	T	-1.3	T	3.3	37	10.1	55	84	34	0	0	0	0	
JACKSON	71	44	77	35	58	-6	T	-1.4	T	4.3	51	15.8	88	94	34	0	0	0	0	
MERIDIAN	73	44	79	33	59	-5	.4	-.9	.4	4.2	45	13.5	72	93	33	0	0	1	0	
MO CAPE GIRARDEAU	65	43	76	32	54	-1	.1	-1.0	.1	7.9	113	14.0	109	89	43	0	1	2	0	
COLUMBIA	60	41	76	28	51	-2	.7	-.1	.7	4.5	94	11.8	144	89	43	0	1	2	1	
KANSAS CITY	60	39	76	27	50	-3	.9	.2	.7	3.2	86	6.8	113	91	41	0	2	3	1	
SAINT LOUIS	60	43	75	31	52	-3	.9	.1	.5	7.5	156	11.8	136	90	45	0	1	3	1	
SPRINGFIELD	63	43	74	27	53	-2	.5	-.4	.4	9.5	184	15.3	172	84	45	0	1	2	0	
MT BILLINGS	67	37	78	25	52	10	T	-.4	T	2.3	128	3.0	86	65	24	0	2	0	0	
GLASGOW	63	32	75	21	48	8	0	-.2	0	.5	65	.6	40	83	27	0	3	0	0	
GREAT FALLS	67	37	76	22	52	12	T	-.3	T	1.2	80	1.8	56	69	22	0	2	0	0	
HAVRE	67	32	78	20	50	9	0	-.2	0	1.4	149	1.8	95	80	22	0	3	0	0	
HELENA	66	32	75	20	49	9	0	-.2	0	.5	42	1.0	45	76	22	0	5	1	0	
KALISPELL	65	33	72	28	49	8	.1	-.1	.1	1.0	78	2.6	67	74	32	0	5	1	0	
MILES CITY	68	33	78	21	51	8	.1	-.2	.1	1.2	111	1.4	64	87	27	0	3	1	0	
MISSOULA	68	35	76	30	51	9	.1	-.1	.1	.6	49	1.5	44	88	29	0	3	1	0	
NE GRAND ISLAND	66	35	82	25	51	3	T	-.6	T	1.2	45	1.7	44	73	26	0	3	0	0	
LINCOLN	65	37	82	24	51	2	T	-.6	T	1.4	45	2.2	47	91	38	0	3	0	0	
NORFOLK	64	36	86	26	50	4	T	-.4	T	1.7	70	2.1	57	83	33	0	3	2	0	
NORTH PLATTE	65	29	84	16	47	2	T	-.4	T	.5	30	1.2	44	82	25	0	4	0	0	
OMAHA	63	40	79	29	51	3	.1	-.4	.1	1.8	60	2.9	62	85	43	0	3	1	0	
SCOTTSBLUFF	70	29	85	14	49	5	T	-.3	T	.5	35	1.3	57	71	16	0	5	0	0	
VALENTINE	66	31	87	17	48	5	T	-.4	T	1.0	64	1.6	70	74	22	0	4	0	0	
NV ELY	71	31	74	28	51	12	0	-.2	0	1.1	82	2.0	74	80	18	0	5	0	0	
LAS VEGAS	90	58	91	56	74	12	0	-.1	0	.1	11	.3	20	31	9	3	0	0	0	
RENO	76	37	81	33	56	11	0	-.1	0	1.1	114	2.0	65	76	13	0	0	0	0	
WINNEMUCCA	76	31	79	25	53	10	0	-.2	0	.7	73	2.2	85	77	14	0	6	0	0	
NH CONCORD	51	27	60	19	39	-3	T	-.7	T	3.6	85	6.5	68	80	21	0	5	2	0	
NJ ATLANTIC CITY	55	33	68	20	44	-5	.3	-.5	.2	2.6	48	6.4	52	89	37	0	3	3	0	
NM ALBUQUERQUE	74	45	79	42	60	6	T	-.1	T	.7	97	1.7	113	63	18	0	0	0	0	
CLOVIS	69	44	77	38	56	1	T	-.1	T	2.4	273	3.9	195	78	29	0	0	0	0	
ROSWELL	74	46	85	40	60	0	.1	.1	.1	.8	205	1.2	133	80	30	0	0	1	0	
NY ALBANY	50	30	55	22	40	-5	.1	-.6	.1	4.7	109	6.6	74	78	27	0	4	3	0	
BINGHAMTON	46	27	58	17	37	-6	.1	-.6	.1	4.0	93	6.5	71	82	38	0	5	4	0	
BUFFALO	45	28	60	21	37	-7	.1	-.7	.1	5.1	117	12.6	129	83	35	0	6	1	0	
NEW YORK	53	39	64	29	46	-4	.2	-.7	.1	3.1	54	5.7	48	76	33	0	2	3	0	
ROCHESTER	48	29	57	20	38	-6	.1	-.6	0	4.1	110	8.3	100	80	38	0	5	2	0	
SYRACUSE	47	29	53	23	38	-6	.1	-.7	.1	3.1	68	7.1	72	80	34	0	5	2	0	
NC ASHEVILLE	62	34	73	23	48	-6	.2	-.7	.2	2.1	30	9.8	70	84	29	0	3	2	0	
CHARLOTTE	67	39	78	28	53	-6	T	-.8	T	1.0	16	10.3	74	79	26	0	1	1	0	
GREENSBORO	66	38	78	24	52	-5	T	-.8	T	.8	14	8.9	73	71	23	0	2	0	0	
HATTERAS	63	44	73	32	53	-5	T	-.7	T	2.4	44	12.3	87	88	39	0	2	1	0	
NEW BERN	70	42	80	32	56	-4	.2	-.4	.2	2.9	61	10.5	82	71	27	0	1	1	0	
RALEIGH	67	39	80	23	53	-5	T	-.6	T	1.1	23	10.4	87	69	24	0	2	1	0	
WILMINGTON	69	44	79	32	56	-5	.1	-.6	.1	1.8	34	8.9	71	80	28	0	1	1	0	
ND BISMARCK	57	27	67	15	42	2	.1	-.2	.1	.9	74	1.3	59	85	30	0	5	2	0	
FARGO	52	29	64	19	41	1	.4	0	.4	1.7	108	2.1	84	78	35	0	5	1	0	
GRAND FORKS	53	32	65	24	43	5	.5	-.2	.4	1.7	133	2.4	92	81	40	0	4	2	0	
WILLISTON	59	29	68	16	44	5	T	-.3	T	1.2	117	1.6	76	79	29	0	5	1	0	
OH AKRON-CANTON	51	32	69	18	41	-6	.2	-.6	.1	5.4	111	8.5	89	84	46	0	4	4	0	
CINCINNATI	57	35	72	24	46	-5	.4	-.4	.2	8.2	148	12.1	107	91	49	0	3	2	0	
CLEVELAND	51	33	73	21	42	-4	.4	-.4	.2	6.1	138	10.5	115	84	43	0	3	4	0	
COLUMBUS	56	34	76	21	45	-4	.2	-.5	.2	4.4	94	7.3	76	81	39	0	3	3	0	

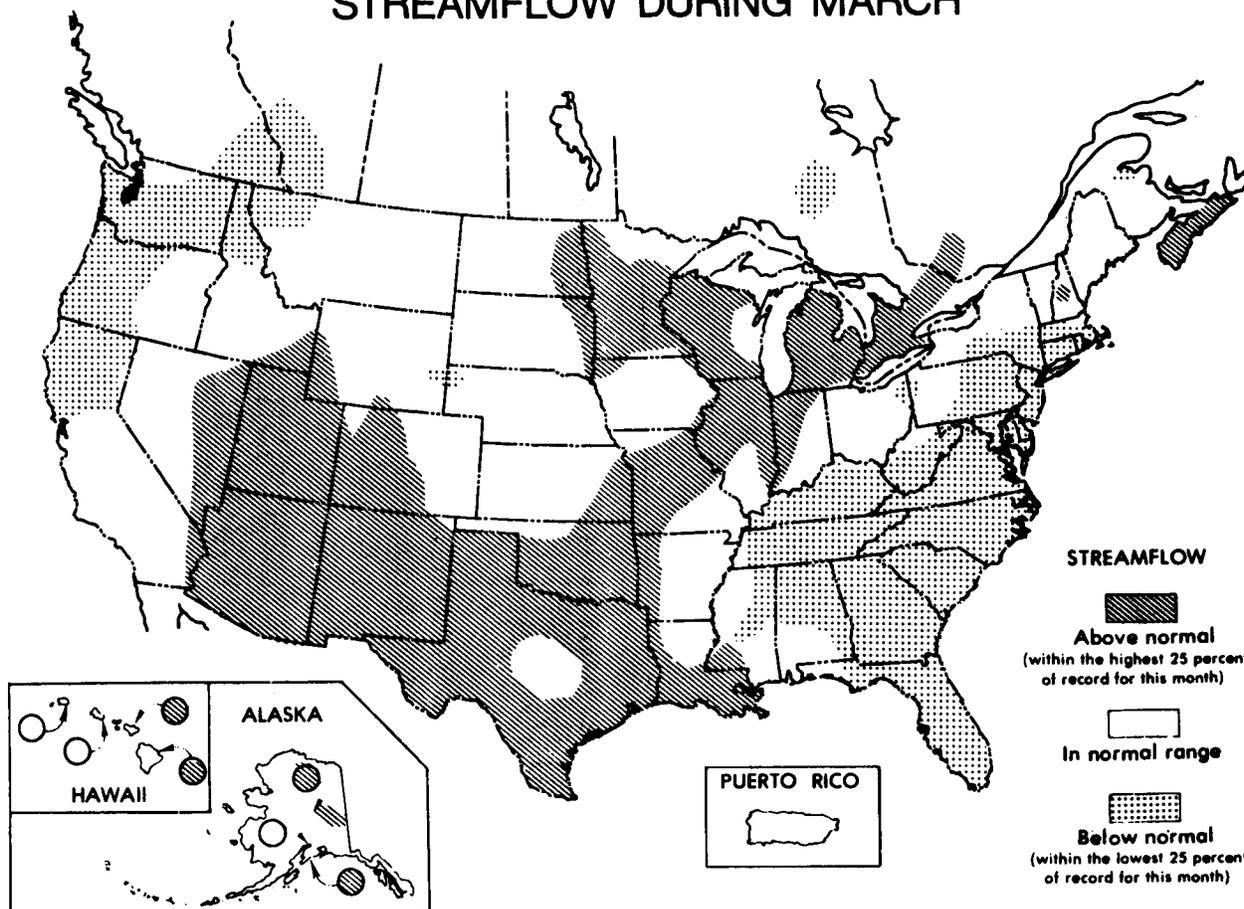
BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 13, 1985

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		PRECIPITATION			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE		
DAYTON	55	35	73	23	45	-5	.3	-.4	.3	5.9	130	9.7	105	76	42	0	3	3	0	0	
TOLEDO	53	31	73	19	42	-4	.3	-.5	.3	7.0	177	12.2	158	91	49	0	4	1	1	0	
YOUNGSTOWN	50	31	72	18	40	-6	.2	-.6	.2	6.2	128	8.3	85	91	49	0	3	3	0	0	
OK OKLAHOMA CITY	67	49	76	40	58	-1	.7	.2	.7	7.3	239	12.0	226	83	44	0	3	1	1	1	
TULSA	68	51	78	43	59	0	1.0	.1	1.0	6.7	139	13.6	172	81	39	0	0	1	1	1	
OR ASTORIA	59	46	63	40	53	6	.2	-1.0	.2	7.3	76	12.1	42	98	71	0	0	2	0	0	
BURNS	69	41	75	32	55	13	0	-1.0	0	1.0	165	1.7	113	11	1	1	0	0	0	0	
MEDFORD	79	43	86	39	61	12	T	-.3	T	1.2	51	3.0	38	88	25	0	0	0	0	0	
PENDLETON	72	47	79	42	60	11	.1	-.1	.1	1.2	81	2.9	67	72	30	0	0	0	0	0	
PORTLAND	70	48	79	45	59	10	T	-.5	T	3.1	66	4.9	33	90	42	0	0	0	0	0	
SALEM	69	43	76	37	56	8	0	-.6	0	3.7	68	7.4	43	94	47	0	0	0	0	0	
PA ALLENTOWN	54	34	68	26	44	-4	.2	-.8	.2	1.9	33	5.0	42	70	30	0	0	3	3	0	
ERIE	47	31	63	22	39	-4	.7	-.2	.3	6.1	139	11.4	127	91	53	0	3	3	0	0	
HARRISBURG	52	34	67	23	43	-7	.2	-.6	.1	3.3	68	7.3	69	78	32	0	2	2	2	0	
PHILADELPHIA	57	33	68	22	45	-6	.1	-.8	0	2.3	42	6.3	55	83	31	0	3	3	0	0	
PITTSBURGH	52	33	71	19	42	-6	.8	0	.3	4.4	87	7.3	71	91	51	0	2	6	6	0	
SCRANTON	50	31	67	20	40	-6	.6	-.1	.5	3.2	80	5.3	64	85	38	0	4	5	0	0	
RI PROVIDENCE	54	34	60	25	44	-2	.3	-.6	.3	4.2	70	7.1	51	73	25	0	3	2	0	0	
SC CHARLESTON	72	49	79	41	60	-3	.3	-.3	.3	1.9	33	5.4	44	71	33	0	0	1	1	0	
COLUMBIA	73	43	81	35	58	-4	.T	-.9	T	1.3	19	11.7	77	79	25	0	0	1	1	0	
FLORENCE	71	42	80	29	56	-6	.1	-.6	.1	.8	14	7.8	62	89	23	0	0	1	1	0	
GREENVILLE	66	40	75	31	53	-6	.1	-.9	.1	1.8	23	11.1	67	74	30	0	1	1	0	0	
SD ABERDEEN	60	31	70	22	46	4	.2	-.2	.2	2.1	118	2.3	79	91	35	0	4	3	0	0	
HURON	61	34	76	25	48	5	T	-.4	T	4.0	203	4.5	141	78	35	0	4	0	0	0	
RAPID CITY	68	33	85	16	50	8	T	-.4	T	1.7	94	2.2	79	66	21	0	3	0	0	0	
SIoux FALLS	64	34	88	23	49	5	T	-.5	T	3.7	147	4.2	108	78	34	0	3	2	0	0	
TN CHATTANOOGA	66	40	76	29	53	-6	.1	-1.0	.1	3.2	38	11.7	64	78	30	0	2	1	1	0	
KNOXVILLE	63	35	74	23	49	-9	T	-.9	T	3.0	41	10.3	64	90	36	0	3	1	0	0	
MEMPHIS	70	48	77	37	59	-2	T	-1.3	T	5.4	68	13.3	79	79	35	0	0	1	0	0	
NASHVILLE	66	42	78	27	54	-4	.2	-.9	.1	3.5	45	9.8	61	82	31	0	2	2	0	0	
TX ABILENE	70	54	76	46	62	-2	.1	-.4	.1	2.9	153	4.9	126	84	44	0	0	1	0	0	
AMARILLO	71	45	80	36	58	3	.7	.5	.7	2.1	171	3.9	170	81	34	0	0	2	1	1	
AUSTIN	71	57	78	50	64	-4	1.1	-.5	.7	3.0	107	6.5	94	90	55	0	0	3	1	0	
BEAUMONT	75	59	84	51	67	-1	.2	-.7	.2	6.1	135	16.4	132	95	52	0	0	1	0	0	
BROWNSVILLE	78	65	83	58	71	-3	1.8	1.4	.7	2.2	208	4.2	108	92	62	0	0	4	1	1	
CORPUS CHRISTI	75	62	78	56	68	-4	3.1	2.7	1.5	4.9	321	10.4	221	94	66	0	0	6	2	2	
DEL RIO	68	55	79	48	62	-9	1.3	.9	1.0	2.1	158	3.7	137	93	60	0	0	4	1	1	
EL PASO	79	46	86	40	63	1	T	-.1	T	.6	134	1.7	131	74	24	0	0	0	0	0	
FORT WORTH	71	53	77	50	62	-2	1.1	.3	1.1	4.8	125	8.2	111	79	45	0	0	1	1	0	
GALVESTON	71	63	75	58	67	-1	.1	-.5	0	5.7	182	14.0	167	85	58	0	0	2	0	0	
HOUSTON	74	56	80	49	65	-3	1.2	.2	1.1	5.8	133	13.2	122	93	47	0	0	4	1	1	
LUBBOCK	72	47	79	39	60	1	T	-.2	T	1.2	91	1.8	82	88	36	0	0	1	0	0	
MIDLAND	73	50	82	45	61	-2	.1	-.1	.1	.7	91	2.1	117	84	36	0	0	1	0	0	
SAN ANGELO	72	52	81	49	62	-4	T	-.3	T	1.7	122	2.8	97	87	44	0	0	1	0	0	
SAN ANTONIO	71	56	77	49	64	-5	2.2	1.7	1.2	5.1	220	9.7	170	91	58	0	0	5	2	2	
VICTORIA	75	60	79	55	68	-2	2.9	2.4	1.7	8.4	379	13.8	219	95	64	0	0	4	2	2	
WACO	72	52	78	43	62	-4	.2	-.6	.2	2.8	81	5.4	76	89	48	0	0	2	0	0	
WICHITA FALLS	71	49	77	42	60	-2	.5	-.1	.5	4.2	145	7.9	161	85	46	0	0	1	1	0	
UT BLANDING	73	43	74	40	58	13	0	-.2	0	1.9	167	3.5	103	51	20	0	0	0	0	0	
CEDAR CITY	75	40	77	32	58	12	T	-.2	T	2.4	158	3.4	113	67	18	0	1	0	0	0	
SALT LAKE CITY	72	45	76	41	59	11	T	-.5	T	1.8	68	3.6	67	70	27	0	0	0	0	0	
VT BURLINGTON	43	26	50	19	35	-6	T	-.6	T	3.4	100	6.0	87	70	29	0	6	1	0	0	
VA NORFOLK	63	40	76	32	52	-5	.1	-.5	.1	2.2	42	9.7	80	78	29	0	1	1	0	0	
RICHMOND	65	36	80	23	51	-6	.2	-.5	.2	2.0	41	8.8	79	78	24	0	3	2	0	0	
ROANOKE	62	36	80	20	49	-6	.1	-.6	.1	2.0	39	8.1	73	76	30	0	2	2	0	0	
WA COLVILLE	71	37	76	33	54	9	T	-.2	T	.9	54	3.2	60	73	33	0	0	1	0	0	
QUILLAYUTE	58	43	69	35	50	5	1.0	-.8	.8	11.1	75	19.2	46	98	68	0	0	4	1	0	
SEATTLE-TACOMA	63	44	70	42	53	6	.1	-.5	.1	2.7	57	5.9	39	93	57	0	0	1	0	0	
SPOKANE	69	40	75	35	54	10	T	-.2	T	1.4	76	2.7	46	77	29	0	0	0	0	0	
YAKIMA	73	37	78	34	55	7	T	-.1	T	.6	68	1.4	45	81	28	0	0	0	0	0	
WV BECKLEY	52	29	71	11	41	-9	.3	-.5	.2	2.7	47	7.0	57	92	43	0	4	6	0	0	
CHARLESTON	60	38	79	24	49	-5	.4	-.5	.1	4.9	87	10.2	84	83	37	0	2	5	0	0	
HUNTINGTON	58	36	76	20	47	-7	.3	-.6	.1	3.9	69	9.9	85	94	38	0	3	5	0	0	
PARKERSBURG	55	37	75	20	46	-6	.3	-.4	.2	5.2	97	8.7	72	88	41	0	3	3	0	0	
WI GREEN BAY	49	29	64	21	39	-2	.5	-.2	.2	3.9	131	7.4	142	81	47	0	5	3	1	0	
LA CROSSE	59	33	77	20	46	1	T	-.7	T	3.3	104	5.5	110	79	32	0	3	3	0	0	
MADISON	58	34	76	22	46	2	T	-.7	T	4.2	122	7.5	136	87	42	0	4	1	0	0	
MILWAUKEE	52	34	71	25	43	0	.2	-.7	.1	5.2	128	9.5	136	83	51	0	4	2	0	0	
WAUSAU	49	30	61	19	39	-1	.2	-.5	.1	3.6	118	4.8	98	87	43	0	4	2	0	0	
WY CASPER	64	28	72	16	46	6	T	-.3	T	.6	41	2.0	77	83	21	0	5	1	0	0	
CHEYENNE	60	31	70	17	45	5	T	-.2	T	.4	27	1.2	55	84	28	0	2	1	0	0	
LANDER	66	35	73	23	51	10	0	-.5	0	.7	35	1.4	45	59	19	0	2	1	0	0	
SHERIDAN	66	32	75	20	49	9	.2	-.3	.2	1.0	53	2.1	64	75	21	0	3	3	1	0	
PR SAN JUAN	84	72	85	71	78	-1	.2	-.6	.1	2.0	56	7.2	83	82	57	0	0	0	1	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

STREAMFLOW DURING MARCH



U.S. Geological Survey

MARCH STREAMFLOWS BELOW NORMAL IN EAST, SOUTHEAST, AND NORTHWEST

U.S. Geological Survey (USGS) hydrologists reported that streamflows were about above or normal at 65 percent of the stream-measurement index stations in the United States. March streamflows were below normal along most of the Eastern Seaboard and in the Southeastern and Northwestern States, but above normal in a wide band extending from Michigan southwestward into Texas, New Mexico, and Arizona (see attached map). The Colorado River in Utah flowed at record-high levels, and the Great Lakes reached its highest level in 108 years.

In contrast, usable contents of reservoirs in the Delaware River basin that help supply New York City's municipal water dropped to 59 percent of capacity, compared with the 95-percent average. The combined contents of the five reporting reservoirs in Washington State were 45 percent of capacity, well below the long-time March average.

Severe floods with recurrence intervals of 70 years or more occurred on the La Moine and Spoon rivers and Bear Creek in northwestern Illinois. Flood stages, as designated by the National Weather Service, were also reached on many streams

in the Great Lakes, South Dakota, Nebraska, Iowa, Kansas, Missouri, Oklahoma, Arkansas, Texas, Louisiana, Mississippi, Tennessee, Kentucky, West Virginia, and New York.

Flows on many streams on the Hawaiian Islands of Maui and Hawaii increased twentyfold during March from their February averages.

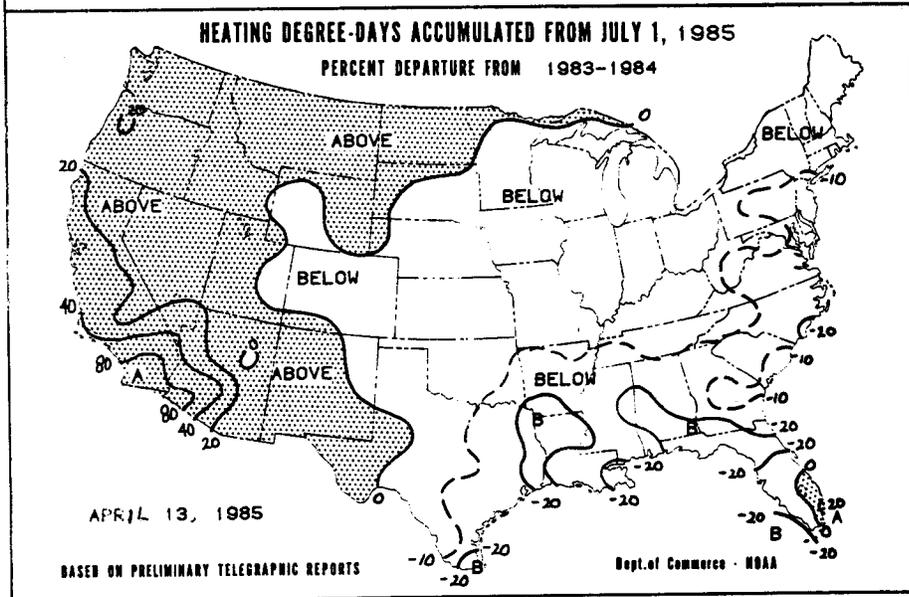
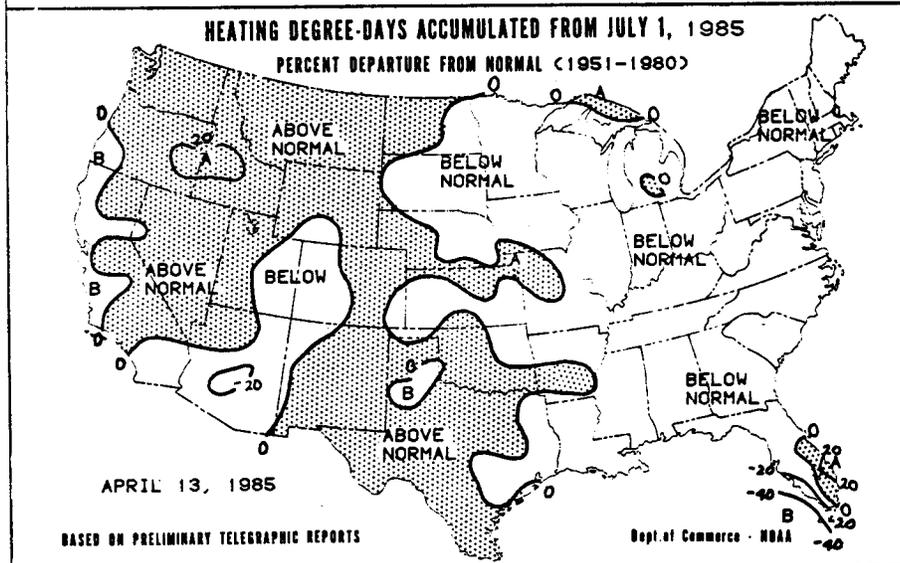
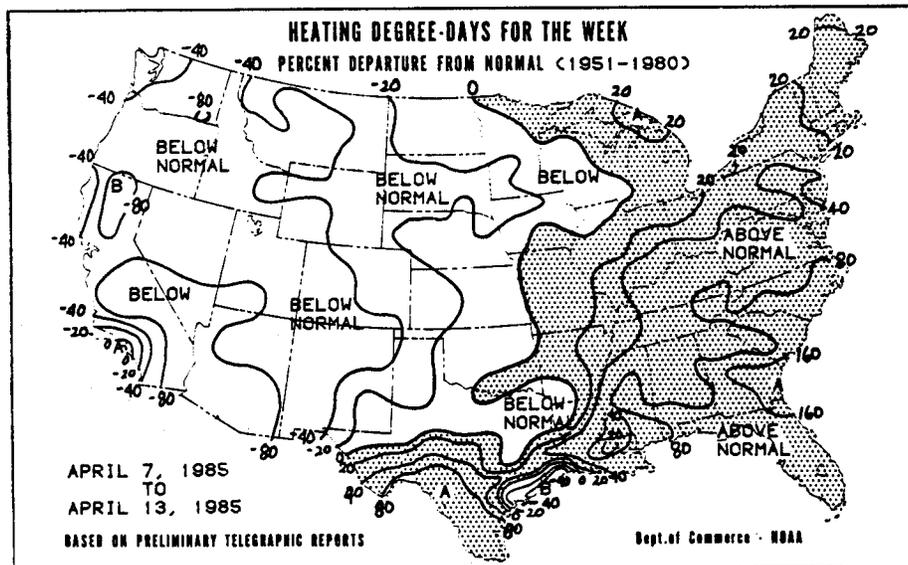
In contrast, a record-low March flow occurred on the French Broad River in North Carolina. USGS hydrologists said streamflows decreased an average of 71 percent at the nine index sites in North Carolina and Virginia.

The Nation's three major rivers--Mississippi, St. Lawrence, and Columbia--combined, flowed about 1.1 trillion gallons per day, which was about 44 percent above the long-term average.

The USGS, working in cooperation with State and local agencies, collects data on the quantity and quality of the Nation's surface- and ground-water resources at more than 65,000 sites across the Nation.

HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-INO-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA
LAST DATE OF DATA COLLECTION PERIOD IS 4-13-1985
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

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



National Agricultural Summary

4/8 to 4/14, 1985

HIGHLIGHTS: Wetness plagued Corn Belt farmers, delaying land preparing and seeding. Producers throughout that region had 1 day or less available for fieldwork, whereas the rest of the Nation had 4 to 5 days available. Soil moisture was mostly surplus in the Corn Belt, short in the Atlantic Coast States, and mostly adequate elsewhere. The lack of moisture curtailed planting and prevented germination in some of the south Atlantic Coast States.

Winter wheat was mostly good despite diseases in the Southern Plains States. Spring seeding of small grains progressed well in most areas except in the Northwest. Cotton seeding advanced to 17 percent(%) completion, compared with 18% last year and the 16% average. Cotton seeding lagged slightly behind normal in Arkansas, North Carolina, and Texas, and as much as 8 points behind normal in Georgia. Corn in the 17 major producing States was 5% seeded. Southern States seeded corn ahead of schedule, while most others held to their normal pattern. Corn was planted as far north as Iowa, where a few fields were seeded. Sorghum planting was limited mostly to the South. Seeding was ahead of normal in Arkansas, Georgia, and Louisiana, but lagged behind in Texas. Rice seeding was 17% complete, 4 points behind the 21% average. Texas rice was only 36% seeded, normally 67% is seeded. Seeding was about normal for the remaining 4 States. Peanut planting was underway in most Southern States except North Carolina, Virginia, Texas, and South Carolina. Tobacco transplanting was virtually complete in Florida, ahead of normal in Georgia, but behind in South Carolina. Frost damaged fruit trees and buds from Kentucky to West Virginia to South Carolina. Low temperatures concerned Georgia fruit producers.

SMALL GRAINS: Winter wheat was mostly good despite diseases in the Southern Plains States. Spring seeding of small grains progressed well in most regions except the Northwest.

Kansas wheat grew well: about 30% was jointing compared with the 20% average. Soil-borne Mosaic disease was present over the eastern two-thirds of the State; freeze damage was light to moderate in the south central, northeastern, and southeastern areas. Oats and barley were 96% seeded. Nebraska wheat was mostly good, but needs moisture. Growers reported crown and root rot, soil-borne Mosaic disease, and weeds. Oats were 75% seeded, 45 points above average. In North Dakota, spring wheat seedings were virtually on schedule and winterkill was about normal.

Texas small grains benefited from moisture scattered across the State. Plains wheat continued jointing; rust and greenbugs infested some fields. Cross Timber producers sprayed, but rust continued. Wheat in the Blacklands progressed well even with rust infestation. Oats began heading, but rust was a problem from the central areas down to Coastal Bend. In Arizona, sunshine and warm temperatures supported wheat growth. Hail damaged wheat in Harper County--many fields were apparently lost. Excess water and lack of nitrogen produced, yellowing in low-lying areas. The majority of the wheat was headed in southwest Oklahoma.

OTHER CROPS: Wetness handicapped farmers in the Corn Belt, delaying land preparation and seeding. Lack of moisture in some southeastern States delayed planting and prevented germination.

Cotton advanced to 17% seeded, compared with 18% last year and the 16% average. Cotton seeding lagged slightly behind normal in Arkansas, North

Carolina, and Texas. Although Georgia's cotton seeding was 8 points behind normal, the crop was mostly fair to good. Heavy rain halted the nearly-completed cotton planting in the Coastal Bend area of Texas--some replanting will be necessary. Central Texas cotton began emerging and fields showed good stands. High Plains' producers listed and bedded.

California and Arizona cotton seeding jumped 35 and 20 points, respectively, from last week; 65% was seeded in both States. Arizona plants began emerging and establishing stands in early-seeded fields.

Corn planting pushed towards completion in Georgia, Louisiana, and South Carolina. Planting increased over both last year and the average in all States. Corn in the 17 major producing States was 5% planted, compared with 3% last year and the average.

Texas seeded only 36% of its rice, holding the U.S. seeding to 17% complete, 4 points behind normal. In Louisiana, 41% of the rice was seeded, of which slightly more than half emerged.

Sorghum planting was virtually limited to the South. Seeding was 7 points behind normal in Texas, but 14 points ahead of the average in Arkansas. Sorghum ranged from 6% planted in Alabama to 51% planted in Texas. Flooding caused some replanting in the Coastal Bend area. Sorghum in Louisiana was fair and was mostly fair to good in Georgia.

Florida's tobacco was nearly transplanted, but frost caused some replanting. Transplanting was 10 points ahead of normal in Georgia, but 9 points behind in South Carolina. Producers seeded and cared for beds in most other regions.

Most Southern States just began planting peanuts: 2% were seeded in Alabama, 4% in Georgia, 5% in Mississippi, and none in Texas.

FRUIT AND NUTS: Frost damaged fruit trees and buds from Kentucky to West Virginia to South Carolina. Georgia fruit producers voiced concern over the low temperatures.

Rain over Florida citrus areas helped alleviate dryness, but more rain is needed. Citrus trees set fruit; green fruit dropping was about normal. Valencia harvest slowed, and a few grapefruits remained to be harvested on the lower east coast.

Texas pecan trees leafed out and bloomed. Peach trees showed signs of an excellent crop, but cold temperatures damaged peach trees in the Plains.

California grapes bloomed in early varieties. Pear bloom was nearly complete and navel orange bloom continued. Navel oranges were about 90% harvested, valencia harvest was just underway. Arizona grapefruit, lemon, and valencia orange harvests neared completion. Citrus were in good condition and bloomed heavily. Soft-tree-fruit harvest should be underway by the end of April.

VEGETABLES: Florida vegetable shipments increased 35% from last week. Chinese cabbage, carrots, cabbage, sweet corn, cucumbers, eggplant, green peppers, potatoes, tomatoes, and watermelons account for most of the increase. Tomatoes were actively harvested, the watermelon harvest is expected to increase.

Light supplies of cabbage and carrots were available from the Rio Grande Valley. Wind damaged tomato plants in the High Plains; producers transplanted onions.

California lettuce harvest decreased in the Palo Verde Valley, but cutting increased in the San

(continued on back cover)

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: Rainfall totals mostly under 0.10 in. Temperatures 5° below normal.

Fieldwork: 5.3 days. Soil moisture short to adequate northern half, short southern half of State. Plowing 81% complete. Corn planted 68%, 47% 1984, 43% avg. Wheat heading 28%, 39% 1984. Cotton planted 8%, 6% 1984, 6% avg. Sorghum planted 6%, 7% 1984. Peanut plantings 2%. Activities: Care of livestock and poultry, general farm chores, machinery repair, fertilizer and lime application, seedbed preparation, spraying pecan trees. Fieldwork on schedule. Conditions: Wheat, livestock fair to good; pastures mostly fair; pasture feed short to adequate, stored feed short.

ARIZONA: Sunny skies, unseasonably hot temperatures prevailed. Few thunderstorms and showers at midweek in central, White Mountains, extreme southeast. Precipitation amounts less than 0.10 in. Temperatures ranged from 16° above normal at Phoenix to 5° above normal at Douglas.

Wheat, barley 93% jointing, 75% heading out, 20% turning color. Barley harvest expected to begin in 3 weeks in early planted fields. Cotton 65% planted, 55% 1984, 60% avg. Plants emerging, stands established in early-seeded fields. Established stands in good condition. Alfalfa harvest increased. Stands in good condition, adequate supplies expected. Lettuce maturity advanced rapidly with warmer temperatures, causing increased packing, large shipments. Prices expected to be lower. Lettuce packing winding down Yuma, Parker-Poston; complete in Marana area. Shipping at seasonal levels central area with market fairly steady. Asparagus harvest complete. Parker-Poston area, 500 boxes of artichokes shipped, quality good. Mixed vegetable harvest continued at seasonal levels Salt River Valley. Spring melons making good progress. Soft-fruit harvest will be underway by April 30th. Trees in full bloom. Grapefruit, lemons, Valencia harvest nearing completion. Groves good condition, heavy bloom.

ARKANSAS: Temperatures slightly cooler than normal, light rainfall in most parts of State around midweek. End of week all sections had light to moderate rainfall. Lowest temperature 25°; highest temperature 81°. Precipitation 0.10 in. to 2.10 in.

Soil moisture adequate. Days suitable for fieldwork 5.0. Major activities. Soil preparation, planting, pasture weed control, fertilization, cattle treatment. Fieldwork east central, southeast ahead of schedule; central behind schedule. Rice 6% planted, 3% 1984, 4% avg. Cotton planted none, none 1984, 1% avg. Corn 45% planted, 10% 1984, 18% avg. Sorghum 24% planted, 5% 1984, 8% avg. Winter wheat good condition. Pastures providing good feed. Livestock good condition.

CALIFORNIA: Warm, dry weather continued for week. Temperatures well above normal; only precipitation recorded 0.04 in. in Eureka. Temperature averages range from 15° above normal at Blue Canyon to 1° above normal at Oxnard along south coast.

Excellent weather for fieldwork. Wheat, barley, oats headed out. Green chopping small

grains continued. Cotton planting active; 65% planted, 85% 1984, 58% avg. Minor seeding of rice in Yuba City area. Corn, safflower, sugarbeets continued to be planted, irrigated. Baling alfalfa and green chopping continued. Spraying for alfalfa weevil control. Apple bloom nearly complete. Hass, Fuerte avocado harvest continued. Good quality, demand reported for Hass. Grapes had good growth; some blooming in early varieties. Sulphur, fungicide applications; weed insect control practices continued. Kiwis near bloom. Nectarines thinned; applications to control thrips made. Pear bloom near complete. Prunes sizing normally. Navel orange bloom continued; harvest about 90% complete; granulation still a problem. Valencia orange harvest about 5% complete. Some pesticide applications made for worms. Some walnut orchards just reached full bloom. Artichoke harvest heavy. Asparagus harvest full-swing Delta, Salinas Valley; decreasing desert. Broccoli harvest heavy central coast. Cantaloups doing well desert, emerging San Joaquin Valley. Carrot harvest active desert. Cauliflower harvest fairly light. Celery planting active central coast, harvest active south coast. Lettuce harvest decreasing Palo Verde Valley. Cutting became heavy San Joaquin Valley. Strawberry harvest active south coast increasing other districts. Tomato planting well along. Grass beginning to mature many Foothill and valley areas result of warmer temperatures. Shallow soils beginning show need for moisture. Some livestock poisoned eating oak buds Redding areas. Movement livestock summer pastures started.

COLORADO: High pressure over Plains produced warmest temperatures of season early week. Scattered showers on the 9th, 12th. Low pressure system brought cooler temperature at week's end.

Warm temperatures provided 6.0 days suitable for fieldwork; prompted much greening of State's ranges, pastures. Corn planted 2%, none 1984, 1% avg. Winter wheat good growth, 11% pastured. Barley seeded 53%, 31% 1984, 39% avg. Oats seeded 52%, 15% 1984, 30% avg. Spring wheat 10% seeded. Onions 68% planted; summer potatoes 19% planted.

FLORIDA: Cold front moved in, became stationary over Central Peninsula. Below normal temperatures Panhandle, north with record lows about midweek. Near normal temperatures central, south. Scattered showers, thunderstorms accompanied front; more numerous central, south Peninsula. Rainfall varied greatly, generally up to 1.00 in, locally exceeding 2.00 in.

Soil moisture adequate southern Peninsula, short elsewhere. Frequent thunderstorms, showers in some areas at weekend beneficial. Corn recovering from frost damage, progress slow. Most tobacco transplanted, some replanted after frost; warmer weather needed. Peanut planting underway. Small grains fair condition, maturing. Land preparation for late crops continued. Warmer nights needed for sugarcane. Pastures benefitted from showers, thunderstorms some areas. Unseasonably cool temperatures Panhandle, north, delayed growth of grass. Supplemental feeding continued active, forage

growth insufficient. Pastures mostly good southern Peninsula, poor to fair elsewhere. Cattle condition improving somewhat, varied from fair to good depending largely on forage supplies. Citrus growing areas received late week rains of 1.00 to 3.00 in. New crop fruit setting; some new green fruit dropping as usual, abundance of new growth in well-cared-for groves. Valencia harvest slow. Remaining grapefruit on lower east coast. Partly cloudy skies prevailed most of week vegetable areas. Light to moderate rainfall early, late week. Rainfall averaged over 1.00 in. most areas. Temperatures averaged below normal. Rail, truck shipments increased 35% over previous week. Crops increasing in shipments: Cabbage, carrots, Chinese cabbage, sweet corn, cucumbers, eggplant, green peppers, potatoes, tomatoes, watermelons. Crops remaining steady in supply: Snap beans, celery, escarole, lettuce, squash. Cauliflower, radish shipments declined. Watermelon harvest light, gaining southwest area. Cutting expected to increase to good volume by early May. Tomato harvest becoming very active. Spring potato harvest getting underway.

GEORGIA: Temperatures 50 colder than normal. Freezing temperatures in mountains 9th through 11th. Rain 13th, 14 mainly south, north, west weekend. Rainfall totals mostly 0.50 to 1.50 in; lighter totals central, southwest.

Soil moisture 19% very short, 68% short, 13% adequate. Days suitable for fieldwork 5.9. Main activities: Spray fruit trees, applying herbicides, land preparation. Corn 90% planted, 71% 1984, 73% avg.; 1% very poor, 4% poor, 42% fair, 52% good, 1% excellent. Cotton 4% planted, 2% 1984, 12% avg.; 56% fair, 44% good. Peanuts 4% planted, 2% 1984, 7% avg.; 16% poor, 42% fair, 42% good. Tobacco 87% transplanted, 59% 1984, 77% avg.; 42% fair, 53% good, 5% excellent. Watermelons 88% planted, 79% 1984, 75% avg.; 61% fair, 39% good. Grain sorghum 9% planted, 6% 1984, 7% avg.; 56% fair, 38% good, 6% excellent. Wheat 97% jointing, 91% 1984; 78% boot, 68% 1984; 51% headed, 41% 1984; 4% very poor, 5% poor, 39% fair, 50% good, 2% excellent. Hessian fly continued concern for wheat producers. Rye 2% very poor, 1% poor, 37% fair, 57% good, 3% excellent. Other small grains 1% very poor, 13% poor, 36% fair, 45% good, 5% excellent. Apples 66% blooming, 86% 1984; 2% very poor, 5% poor, 37% fair, 56% good. Peaches 98% blooming, 100% 1984; 22% very poor, 25% poor, 31% fair, 22% good. Low temperatures caused additional concern for fruit crop. Pastures 1% very poor, 6% poor, 43% fair, 46% good, 4% excellent. Cattle 1% poor, 28% fair, 68% good, 3% excellent. Hogs 20% fair, 75% good, 5% excellent.

HAWAII: Weather provided favorable growing conditions for crops in all parts of State. Rainfall light to moderate with most of it concentrated in windward areas. Temperatures warmed a bit from previous week, still below normal levels. Wind velocities decreased, light or normal for most of week. Production of many vegetables expected to increase in coming weeks as a result of more favorable weather, increased acreage for harvest. Head cabbage production will be heavy, steady over the next two weeks. Head lettuce production will be moderate, steady. Chinese cabbage output will be very heavy with part of harvest being shipped to the U.S. mainland. Papaya production will be seasonally low, new regulation allowed for more color on hot water treated fruit may increase

pack-out rate by 5%. Banana production will be light due to tree damage from earlier winds.

IDAHO: High pressure dominated weather picture over State. Temperatures averaged well above normal. Most daytime readings in 60's, 70's. Overnight temperatures mild; lows mostly in 30's, 40's. First part week remained dry; few showers, thunderstorms on 11th, 12th. Amounts generally light, widely scattered.

Days suitable for fieldwork 4.0. Soil moisture good. Spring wheat planted 10%, 16% 1984, 24% avg. Spring wheat emerged 1%, 6% avg. Spring barley planted 10%, 11% 1984, 18% avg. Spring barley emerged 2%. Oats planted 16%. Sugarbeets planted 24%, 33% 1984, 32% avg. Onions planted 62%, 66% 1984, 54% avg. Lentils planted 3%, 12% avg. Winter wheat condition fair to good. Winter wheat snow mold in north, east; damage extent unknown. Potatoes planted 1%, 3% 1984, 4% avg. Little to no planting in eastern areas. Fruit trees in excellent condition; no reported winter damage. Lambing 79% complete; calving 69% complete. Winter wheat condition fair to good. Hay supplies fair to good. Irrigation water supply good to excellent. Alfalfa greening rapidly. Calf, lamb losses due to disease and weather in north, east.

ILLINOIS: Temperatures averaged 2 to 4° above normal in northern quarter, near normal to 6° below normal over remainder. Precipitation light, none to 1.13 in., mostly south.

Days suitable for fieldwork 1.8. Soil moisture 47% adequate, 53% surplus. Corn planted none, none 1984, none avg. Wheat condition 3% poor, 28% fair, 65% good, 4% excellent. Oats seeded 48%, 22% 1984, 36% avg. Tillage for corn, sorghum and soybeans 65% complete, 72% 1984, 78% avg. Alfalfa condition 1% poor, 17% fair, 78% good, 4% excellent. Pasture condition 6% poor, 26% fair, 67% good, 1% excellent; supplying 30% livestock roughage requirements, 17% 1984, 24% avg.

INDIANA: Temperatures averaged near normal north to a few degrees below normal south. Highs averaged upper 50's north to near 60's south. Lows averaged above normal except south. Lowest temperatures in 20's statewide. Soil temperatures from upper 40's to 50's. Precipitation below normal. Totals mostly under 0.50 in. except 0.75 in. in south.

Fieldwork averaged 0.6 days. Topsoil, subsoil moisture adequate to mostly surplus. Spring cropland 50% tilled, 53% 1984, 63% avg. Corn planted none, none 1984, none avg. Oats 45% seeded, 13% 1984, 30% avg. Wheat condition, 1% poor, 29% fair, 68% good, 2% excellent. Wheat 5% jointed, 4% 1984, 10% avg. Wheat 5 in., 3 in. 1984, 5 in. avg. Clover 65% seeded, 45% 1984, 60% avg. Apple buds 75% alive.

IOWA: Mild, dry week. April precipitation to date averaging less than 25% of normal.

Days suitable for fieldwork 4.3. Topsoil moisture supplies 7% short, 91% adequate, 2% surplus. Subsoil moisture supplies 6% short, 89% adequate, 5% surplus. Fertilizing, plowing or minimum tillage operations, seeding oats major activities. Limited amounts of corn acreage planted southern half of State. Oat acreage; 52% sown, 10% 1984, 32% avg. Winter wheat condition 5% poor, 32% fair, 57% good, 6% excellent. Pasture conditions 8% very poor to poor, 34% fair, 55% good, 3% excellent. Subsoil moisture supplies 6% short, 89% adequate, 5% surplus. Fertilizer supplies 95% adequate, 5%

surplus. Grain movement 37% light, 56% avg.; 70% heavy. Condition of all livestock 2% fair, 73% good, 25% excellent.

KANSAS: Precipitation averaged little or none northwest, west central; none to 0.20 in. southwest, south central; 0.50 to 1.00 in. east, north central. Temperatures averaged 55 to 58°; 1 to 3° above normal east, south central; 4 to 8° above normal west, north central.

Days suitable for fieldwork 4.5. Wheat growth, development good. Wheat jointing, 30%, 8% 1984, 20% avg. Condition good to excellent. Moisture supplies surplus southeast, dry southwest. Mustard infestations common. Soil-borne Mosaic present eastern two-thirds State. Light to moderate freeze damage south central, northeast, southeast. Oats, barley seeding winding down, 96% complete. Corn planting started, 3% complete, none 1984, 4% avg. Field activity; seedbed preparation spring crops. Calving winding down. Alfalfa weevil emerged several areas; spraying for control.

KENTUCKY: Week began with temperatures below seasonal normals. High temperatures barely into 50's first 2 days; by week's end highs well into 70's. Average temperatures ranged in low to mid 50's; 3 to 8° below normal. Precipitation ranged from 0.50 in. to 1.25 in. over west, east two-thirds of State had less precipitation ranging from trace to 0.33 in., on 9th snow fell over northeast. Soil moisture temperatures maximums averaged in mid 50's, minimums in 50's to around 50.

Days suitable for fieldwork 4.3. Soil moisture 8% short, 80% adequate, 12% surplus. Tobacco beds 96% seeded, 76% 1984, 100% avg. Plants up 40% seeded beds. Corn planting 10% complete, only few fields 1984, 2% avg. Pasture condition good. Wheat height averaged 11 in. Hay fields good. Almost 25% alfalfa infested with weevils. Some spraying. Freeze damage blooming apples, strawberries. Overall damage light to moderate. Severe winter damage to most of peach crop.

LOUISIANA: Rainfall mostly less than 0.25 in. ranged for none to 1.95 in. Averaged temperatures 3 to 5° below normal. Low 38°; high 85°.

Soil moisture adequate, except east-central and southwest short to adequate. Days suitable for fieldwork 6.0. Activities included spring plowing; planting corn, cotton, rice, sorghum, vegetables. Spring plowing 75%, 62% 1984, 62% avg. Corn planted 85%, 78% 1984, 62% avg. Corn emerged 72%, 64% 1984, 49% avg.; good condition. Rice planted 41%, 46% 1984, 41% avg. Rice emerged 25%, 34% 1984, 30% avg.; fair to good condition. Winter wheat headed 54%, 47% 1984, 42% avg. Wheat turning color 1%, 1% 1984, 3% avg.; good condition. Sorghum planted 27%, 22% 1984, 16% avg. Sorghum emerged 6%, 8% 1984, 7% avg.; fair condition. Cotton planting underway 4%, 1% 1984, 3% avg. Sweetpotatoes planted 1%, none 1984, 3% avg. Pastures, livestock, vegetables fair to good. Harvesting strawberries; quality good. Sugarcane stubble slow in emerging; crop fair.

MARYLAND & DELAWARE: Maryland: Weather cool, dry. Temperatures averaged 2 to 5° below normal. Lows in high teens to mid 20's; highs in low 70's to 80. Precipitation averaged 0.21 in. ranging from a low of 0.01 in. to a high of 0.43 in.

Tobacco farmers completed fourth week of auctions. With dry weather, farmers working

ground for spring planting. Crops being planted include potatoes, green peas, cabbage, other cole crops, some sweet corn.

Delaware: Weather cool, dry. Temperatures averaged mostly 3 to 5° below normal. Low temperatures in mid 20's. High temperatures ranged from near 70 to a high of 80. Precipitation averaged 0.23 in., ranging from 0.07 in. north to 0.32 in. central and 0.26 in. south.

Plowing main machine work being done. Potatoes, green peas, cabbage, some green beans, sweet corn planted. Small grain fields scouted for possible herbicide application.

MICHIGAN: Very cool, dismal spring week. Temperatures averaged 3° below normal. Precipitation light to moderate across State. Flooding continued across much of lower Peninsula. Sunshine, warm temperatures brought spring weather to all areas late week.

Spring tillage hampered by wet fields. Fieldwork generally limited to spreading fertilizer manure. Limited seeding of sugarbeets, oats. Corn none planted, none 1984, none avg. Livestock good condition. Cool wet weather contributed to health problems in young calves.

MINNESOTA: Mild week, some isolated thunderstorms on 12th. Temperatures averaged near normal to 6° above normal. Lows 13°; high 84°. Precipitation averaged 0.19 in. above normal for northwest, 0.15 to 0.49 in. below normal elsewhere. Greatest weekly total 0.57 in.

Soil continued drying, many areas about to become active in spring fieldwork. Planting of small grains, potatoes, peas began few counties with sandy soil.

MISSISSIPPI: Temperatures averaged 5 to 10° below normal. Extremes: 27°; 82°. Scattered showers late in week.

Soil moisture adequate to surplus. Fieldwork: 5.0 days suitable, 2.6 1984, 2.3 avg. Wheat fair to good; 90% jointing, 94% 1984, 83% avg.; 27% heading, 18% 1984, 22% avg. Corn fair to good; 65% planted, 42% 1984, 38% avg.; 37% up to stand, 9% 1984, 22% avg. Rice 15% planted, 5% 1984, 17% avg. Cotton 2% planted, none 1984, none avg. Sorghum 8% planted, 2% 1984. Peanuts 5% planted, 3% 1984, 3% avg. Watermelons 45% planted, 25% 1984, 41% avg. Pasture, livestock fair to good. Peaches in fair condition. Sweetpotatoes 5% planted, 3% 1984.

MISSOURI: Temperatures averaged 2° below normal ranging from 1° below in central and northeast to 4 below in Bootheel. Rain averaged between 0.50 to 0.75 in. over State, except for Bootheel less than 0.10 in. received.

Days suitable for fieldwork 2.9. Corn 5% planted, none 1984, 5% avg. Winter wheat condition 9% poor, 59% fair, 32% good. Topsoil moisture supplies 7% short, 50% adequate, 43% surplus.

MONTANA: Temperatures mild, ranged 5 to 15° above normal. Maximum temperatures in 70's noted over nearly all State, some 80's observed midweek. Precipitation light to none over all except southeast some areas received 0.33 to 0.50 in. of rain.

Moisture supplies short to adequate. Winter wheat mostly greening; freeze damage light to moderate. Fieldwork: 4.4 days suitable. Spring wheat 5% seeded, 10% 1984, 10% avg. Barley 5% seeded, 10% 1984, 10% avg. Sugarbeets

1% seeded, 1% 1984, 10% avg. Calving 80% complete. Lambing 65% complete. Shearing 65%. Pastures, ranges greening.

NEBRASKA: Mild week with east receiving some showers. Precipitation ranged from traces to 0.20 in. Temperatures ranged from 4 to 8° above normal.

Winter wheat condition 42% fair, 58% good. Wheat needs moisture. Some concerns about weeds, crown and root rot, soil-borne Mosaic. Oat seeding 75% completed, 3% 1984, 30% avg. Topsoil moisture 56% short, 44% adequate. Subsoil moisture 28% short, 72% adequate. Days suitable for fieldwork 6.4.

NEVADA: Dry, warm weather prevailed second consecutive week. Precipitation insignificant. Temperatures averaged 9 to 14° above normal. Extremes: 48°; 74°.

Warm, sunny weather ideal for fieldwork progress. Alfalfa hay harvesting started extreme south. Livestock moving to summer ranges.

NEW ENGLAND: Temperatures slightly below normal; most northern sections reported below freezing temperatures overnight. Mean temperatures in 40's south, in 30's north, except for upper 20's in northern Maine. Very dry week from northern areas, precipitation totals only between 0.10 to 0.30 in. Many areas reported only a trace in south. Precipitation totals around 0.50 in. on average.

Some spring plowing in southern areas. Maple syrup activities restricted to northern areas.

NEW JERSEY: Temperatures averaged 5 to 7° below normal. Extremes: 15°; 71°. Rainfall averaged 0.04 in. north, 0.12 in. central, 0.16 in. south. Heaviest 24-hour total 0.19 in. on 9th to 10th.

Soil moisture, in percent of field capacity averaged 79% north, 70% central, 58% south. Four inch soil temperatures averaged 47° north, 50° central, 52° south. Topsoil moisture short in many areas. Primary activities include land preparation, early planting, care of livestock. Cold temperatures caused some fruit blossom damage. Small grains generally in good condition. Harvest of spring vegetables underway.

NEW MEXICO: Average temperatures near normal southeast; 5 to 8° above normal north, west. Minimum temperatures 21° northwestern Plateau, western mountains. Maximum temperature 85° southeastern Plains, southern desert. Scattered thundershowers over most of State. Precipitation from none to 0.88 in.

Soil moisture short to adequate, mostly adequate. Hail, wind damage none to light. Freeze damage none to moderate. Alfalfa hay fair to good. Cotton 5% planted, 15% 1984, 4% avg. Corn planting underway in southeast. Barley good to excellent - 30% jointed. Irrigated, dryland wheat good to excellent - 30% jointed. Pecans good. Apple bloom near 95% in southwest. Chile good - 60% planted. Lettuce good - harvest expected to start last week in April. Onions good. Cattle fair to good. Sheep good; range fair to good, mostly good.

NEW YORK: Temperatures well below normal, with coldest temperatures midweek. Precipitation well below normal with bulk falling in New York City, Long Island area. Low moved off Atlantic Coast affecting southeast State early in week. Several relatively dry fronts moved across the

area. Rather cold flow of air into the region most of week. Dry weather enabled farmers to begin fieldwork. Fields being plowed; some farmers are applying fertilizers. Some oats planted on lighter soils in western areas.

NORTH CAROLINA: Temperatures averaged 4 to 6° below normal. Precipitation ranged from none to 0.31 in.

Soil moisture: 34% very short, 60% short, 6% adequate. Days suitable for fieldwork 6.3. Condition: Pasture 7% poor, 55% fair, 37% good, 1% excellent. Wheat 1% poor, 38% fair, 57% good, 4% excellent. Oats 5% poor, 50% fair, 40% good, 5% excellent. Barley 5% poor, 37% fair, 54% good, 4% excellent. Rye 3% poor, 41% fair, 53% good, 3% excellent. Tobacco beds 9% poor, 46% fair, 43% good, 3% excellent. Irish potatoes 9% poor, 52% fair, 39% good. Peaches 89% poor, 11% fair. Plantings: Corn 65%, 14% 1984, 30% avg. Cotton 4%, none 1984, 5% avg. Major farm activities: Corn planting, tobacco land preparation, fertilizing, irrigating tobacco beds, tending livestock, fire fighting. Considerable freeze damage to blueberry crop on April 10th.

NORTH DAKOTA: Average temperatures above normal across State with the exception of north central district. Southwestern district recorded average temperatures over 5° above normal. Extremes ranged from 12 to 74°. Moisture fell over most of State during later part of week. Northeastern district recorded 0.41 in.; southwestern, southeastern district received 0.09 in.

Crop season off to good start with early seeding progress in southern half of State. Hard red spring wheat 3% seeded, barley 3%, oats 2%; all near the 5-year average. Winter kill of winter wheat moderately more-than-normal for 34% of State, 37% 1984. Reminder of State reported normal or less-than-normal winter kill. Soil moisture levels a concern as statewide supplies lower than normal. Topsoil moisture 42% short, 18% 1984, 28% avg. Subsoil moisture supplies 53% short or very short, 24% 1984, 36% avg. Calving, lambing progress well. Calving 68% complete, lambing 78%; few problems reported to date.

OHIO: Temperature extremes unusual. Minimums in teens on 9th; maximums mid to upper 70's by 14th. Growing degree days accumulated between 60, 80 most areas. Four-inch bare soil temperatures averaged mid to upper 40's; lows in 30's, high in 60's. Precipitation below normal; averaged between 0.10 in. to 0.20 in. normal; range 0.70 in. to 1.00 in.

Fieldwork again limited by weather. Only 1.0 day suitable for fieldwork. Soil moisture 25% adequate, 75% surplus. Oat seeding 30% complete, 10% 1984, 20% avg. Tobacco beds 65% sown, 10% 1984, 55% avg. Corn planted less than 1% complete, none 1984, none avg. Winter wheat good although standing water remains a threat. Pastures, hay, apples fair to good. Peaches poor to fair. Activities: Minimal sowing of oats and tobacco beds, corn planting, repairing machinery, purchasing supplies, hauling manure, shipping bedding plants. Setting of cabbage virtually complete. Some seeding of dry onions, radishes.

OKLAHOMA: Temperatures averaged 3° below normal south central to 2° above normal Panhandle. Precipitation averaged 0.27 in. Panhandle to 0.69 in. southwest.

Sunshine, warm temperatures supported wheat, pasture growth. Late-week rainfall beneficial

to dry west. Considerable hail damage received in Harper County, many fields apparently lost. Excess water, lack of topdressing produced yellowing in low-lying areas. Majority of wheat headed in southwest. Panhandle cattle producers buying stocker cattle for grass pastures. Lice, tick activity heavy on untreated cattle. Wheat good; pastures and livestock good to fair condition. Wheat jointing 75%, 60% 1984, 65% avg.

OREGON: Daytime temperatures ranging from 60 to 84° pushed average temperatures to 8° above normal in central and northeastern areas, 12° above normal in southwestern areas. Nighttime lows in low 20's in extreme northeastern areas, mid 40's at southern coast. Light drizzle toward end of week left 0.20 in. of precipitation at coast, up to 0.15 in. in northern areas.

Winter wheat in fair to good condition.

Wheat fields look good, soil moisture short. Barley 82% seeded. Summer fallow work continued in east; weed spray, fertilizer going on winter wheat. Irrigation to begin as soon as water available. Klamath County had much alfalfa winter kill, now replanting. Willamette Valley fieldwork progressed rapidly: Spraying, fertilizing, seeding spring grains and grass. Many growers replanted weak stands of winter grains. Peppermint flaring in 10 to 14 days. Hood River pears in full bloom ahead of normal. Cherries blooming in Wasco, Union Counties. Hermiston cherries, apricots, peaches completed blossoming; apples in bloom. In the west, cherries in full bloom; pre-bloom sprays going on apples, pears; early peach, prune blooming. Pollinating weather excellent, expect good fruit set. Checking for filbert leafroller. Strawberry pesticide spraying; planting new fields. Raspberry, blueberry spraying. At the coast, cranberry bogs receiving fertilizer, fungicide; bud development excellent. Hermiston-Boardman area early potatoes emerged; late planting in full-swing. Central areas expect to plant potatoes this week. Klamath County preparing potato seedbeds. Malheur growers planting potatoes, onions, sugarbeets. Willamette Valley: Green peas growing; broccoli emerged; onions mainly planted, not showing; seed crops look good; field preparation for snap beans, sweet corn. Livestock condition good. Lambing, calving on schedule. Range, pasture fair to good. Growth started at high elevations of east. Other areas beginning to dry out; much irrigation planned.

PENNSYLVANIA: Cool, relatively dry week. Coolest week since last of March. State averaged temperature 38°, 10° below normal. State average precipitation 0.43 in., 0.04 in. below normal. Some precipitation in the form of snow.

Farming activities: Caring for livestock, routine chores, machinery, building and fence repairs. Early spring fieldwork as weather permits.

PUERTO RICO: Island average rainfall 0.88 in., 0.04 in. below normal. Highest weekly total 3.92 in. Highest 24-hour total 2.31 in. Temperature averaged about 76 to 77° on coasts, 70 to 73° Interior Divisions. Mean station temperature ranged from 64° to 80°. Extremes: 52°; 91°.

SOUTH CAROLINA: Weather varied from quite cool early in week to near normal or above over weekend. Temperatures on mornings of 9th, 11th mostly in 30's over central eastern State;

dropped into 20's in northwestern, north central parts of State. Lowest readings on 11th, considerable frost in northwestern part of State. Rainfall very deficient statewide. Temporary showers provided some relief over weekend.

Soil moisture mostly short. Days available for field activities 6.1. Corn condition fair; 86% planted, 49% 1984, 53% avg. Cotton condition fair to good; 15% planted, none 1984, none avg. Tobacco condition fair; 27% planted, 45% 1984, 36% avg. Additional rainfall still badly needed for continued planting, germination. Cold, frost caused more damage to peach crop, condition poor to fair. Tomato condition fair to good: 94% planted, 94% 1984, 91% avg. Watermelon condition fair: 74% planted, 66% 1984, 61% avg. Pastures condition fair. Small grains: Barley, wheat fair to good condition; oats condition fair.

SOUTH DAKOTA: Average temperatures ranged from normal to 8° above normal. Extremes: 8°; 90°. Precipitation light across State.

Days suitable for fieldwork 4.0. Topsoil moisture adequate to surplus east, short to adequate west. Winter wheat good condition. Livestock good condition. Range, pastures good. Calving 49% complete, lambing 62% complete. Feed, stockwater adequate. Corn planted none, none 1984, none avg.

TENNESSEE: High pressure dominated State much of week moved eastward at weekend. Temperatures averaged near normal except in east 5 to 7° below normal. Precipitation amounts west, middle 0.50 in. Northeast totaled from 0.10 to 0.25 in.

Farmers averaged: 5.0 days suitable for fieldwork. Cotton planted 1%, none 1984, 1% avg. Corn planted 15%, 5% 1984, 10% avg. Tobacco beds seeded 97%, 90% 1984, 90% avg. Beds with plants up 50%. Wheat acreage jointed 5%.

TEXAS: Week began high pressure covering most State bringing dry, cooler conditions. Midweek allow moving upper level trough combined with abundant Gulf moisture to produce heavy rains across south. System intensified late on 10th, 11th triggering very heavy rain Coastal Bend, some flooding. End of week light to moderate thundershowers southeast, south central. Most north, west dry until weekend. Widely scattered thundershowers High Plains, north central and south central. Precipitation above normal over south, south central. Totals near or slightly below normal remainder of State. Temperatures slightly below normal statewide.

Crops: Grain sorghum fields good progress most areas where planting underway. Good growth Rio Grande Valley, central areas. Coastal Bend, some replanting necessary; heavy rainfall, subsequent flooding. Blacklands planting continued under mild conditions. Fieldwork continued sorghum fields Cross-Timbers, Plains. Corn planting began High Plains at active pace. Good soil moisture available, alleviating heavy pre-watering irrigated fields. Producers Blacklands cultivating fields dry enough to enter. Good growth continued. Excellent growth central areas, Rio Grande Valley. Some damage fields Coastal Bend. Fields coming up to stands East. Cotton planting nearly complete Coastal Bend before heavy rains came, some replanting necessary. Rio Grande Valley crop continued good progress with added rainfall. Central cotton began emerging; fields showing good stands. Soil moisture excellent for planting in Plains. Producers continued listing, bedding

land for planting. Few isolated fields planted; soil temperatures remained too low for active planting. Small grains benefitted from scattered moisture across State; crop made good progress. Plains, wheat continued jointing. Rust, greenbugs continued infest some fields. Some irrigation underway, because winds slowly drying out topsoil moisture. Rust remained problem Cross-Timbers, some spraying. Wheat excellent progress Blacklands despite rust infestation. Oats begun heading, making good progress. Leaf rust problem from Central areas, down to Coastal Bend. Heavy lodging Coastal Bend, torrential rain. Wheat conditions at 89% of normal compared with 68% a year ago. Current reported conditions; 15% fair, 67% good, 18% excellent. Rice planting progress along Upper Coast. Corn planted 63%, 63% 1984, 52% avg. Cotton planted 10%, 10% 1984, 12% avg. Rice planted 36%, 73% 1984, 67% avg; emerged 1%, 22% 1984, 25% avg. Sorghum planted all purposes 51%, 53% 1984, 60% avg. Wheat headed 12%, 8% 1984, 9% avg. Peanuts planted none, 2% 1984, 5% avg. Sugarbeets planted 36%, 68% 1984, 66% avg.

Commercial Vegetables: Rio Grande Valley good progress most spring vegetables. Light supplies cabbage, carrots available. Onion harvest continued. San Antonio-Winter Garden most spring vegetables showed satisfactory progress. Additional slow rainfall benefitted watermelon crop. East, good growth most vegetables. Setting of tomatoes, peppers continued. Land preparation, some planting watermelons completed. Some wind damage on tomato plants. High Plains producers continued transplanting onions. Onions may be affected by rot and thrips. Early planted potatoes showed good stands. Trans-Pecos harvest lettuce continued. Onions good progress. Dusting cantaloups, honeydews for insects continued. Peach trees continued show signs excellent crop most areas. Some damage received Plains from cold temperatures, most other areas showing heavy fruit sets with little or no insect problems. Pecan trees continued leaf out, bloom across State first spraying zinc began some areas. Some light aphid populations Cross Timbers.

Range and Livestock: Ranges continued show satisfactory progress. Added moisture, spring-like temperatures increased weed populations, some producers began spraying. Planted hay fields up, showed good progress. First alfalfa hay cut northern Low Plains. Some small grain hay cut central and south. Livestock remained good condition. Market prices stronger in most areas.

UTAH: Relatively clear skies during past week; precipitation mostly zero or trace with light amounts few scattered locations. Maximum temperatures averaged 13° above normal. Minimums averaged 6° above normal.

Some flooding of grain, hay, pasture land along rivers in northern region. Cherry trees blossoming. Onion planting progressing. Calving, lambing continued. Sheep shearing just getting underway.

VIRGINIA: Dry spell continued. Scattered light rain first half averaged 0.20 in. Temperatures

cool first half followed by warming trend. Damaging frost evening of 9th.

Topsoil moisture; 81% short, 19% adequate. Days suitable for fieldwork averaged 5.8. Peach crop remained very poor. Apple crop hurt by frost. Early reports suggest moderate damage. Apple crop fair. Corn planting 20%, 12% 1984, 15% avg. Small grains, pasture, hayland good. Dry, cool weather slowed growth. First hay crop may be light. Tobacco plantbeds good to excellent condition. Land preparation, fertilizing, liming continued with good progress. Livestock remain in excellent condition. Marketing feeder cattle. Still some lambing, calving.

WASHINGTON: Fieldwork picked up rapidly in eastern areas with a week of warmer weather. Spring wheat, barley seeding underway. Growers tied hops, seeded potatoes. Fruit trees in bloom, berry growers cultivated fields. Tulip, daffodil harvest underway; early season vegetables planted. Livestock in good condition; hay supplies adequate.

WEST VIRGINIA: Temperatures averaged 2° below normal, except central division averaged 6° below normal. Low 1° at Green Bank; high 79° at Creston. Precipitation well below normal.

Soil moisture adequate to short. Days suitable for fieldwork averaged 2.6. Feed supplies adequate. Freezing temperatures midweek caused significant bud damage to State's fruit trees.

WISCONSIN: Cold, light snow beginning of week. Temperatures warmed up to seasonal normals midweek, continued into weekend. Showers, thunderstorms on 10th, 11th. Precipitation averaged 0.50 in., rainfall since April 1st above normal.

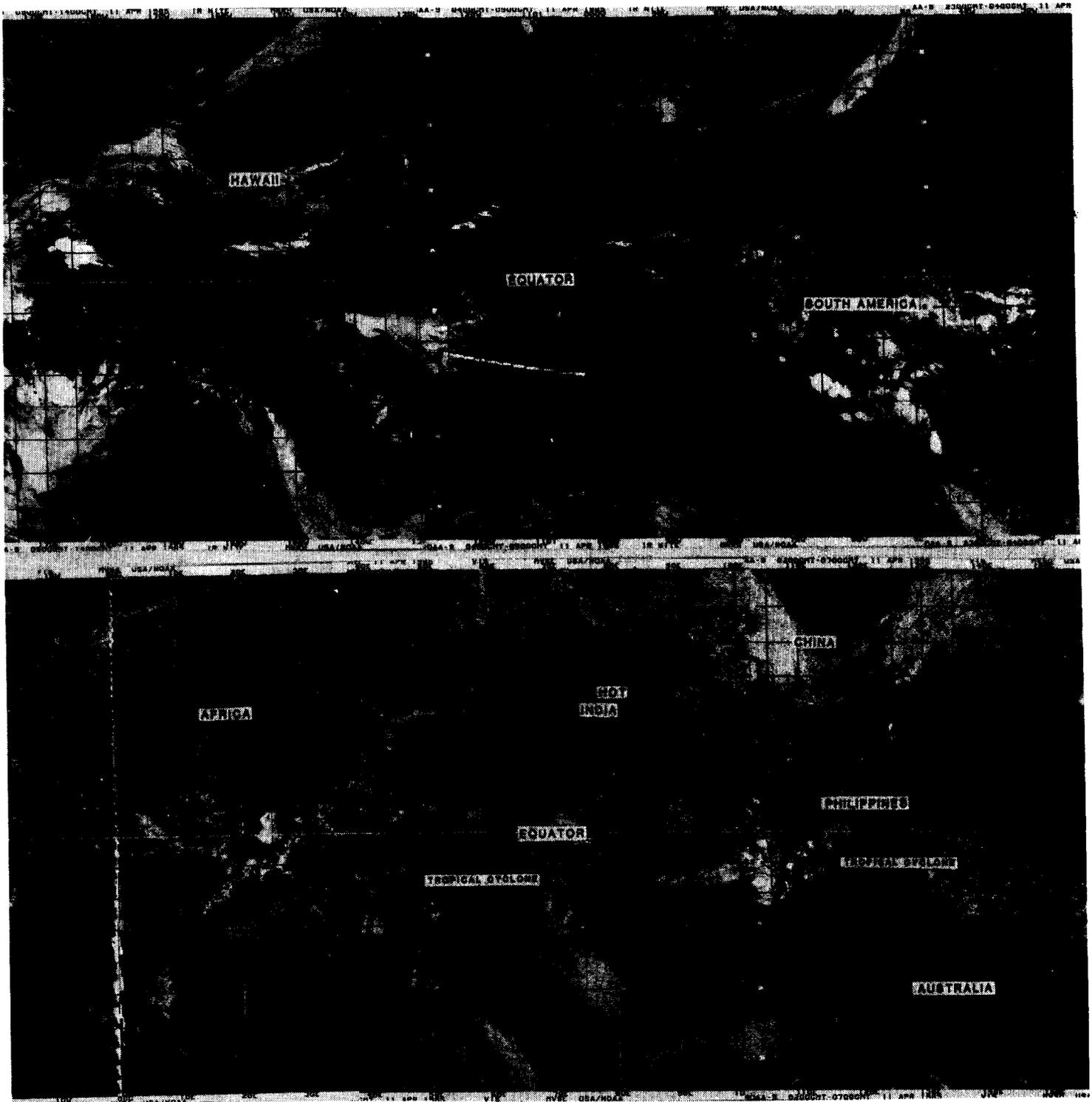
Soil moisture adequate to surplus. Fieldwork behind normal for most of State due to muddy conditions, cold temperatures early in week. Oats 2% planted, 7% avg. Spring plowing 3% completed, 6% avg. Some planting of canning peas in southwest, early potatoes in on sandy soils. Maple sap finished running. Maple syrup production average to above average for season. Livestock good to excellent.

WYOMING: Average temperatures well above normal. Precipitation below normal.

Topsoil moisture short 61% State. Subsoil moisture adequate 62% State. Days suitable for fieldwork 6.0. Spring wheat planted 25%, emerged small amount. Barley planted 50%, emerged 5%. Oats planted 25%, emerged small amount. Sugarbeets planted 25%. Winter wheat mostly fair; wind, freeze damaged non-existent to light, some moderate damage southeast. Livestock mostly good. Spring calves born 60%, 60% 1984. Farm flock: Ewes lambed 80%; shorn 70%. Range sheep: Ewes lambed 45%; shorn 40%. Calf, lamb losses light to normal. Range mostly fair to good.

GLOBAL WEATHER SATELLITE PHOTO

April 11, 1985

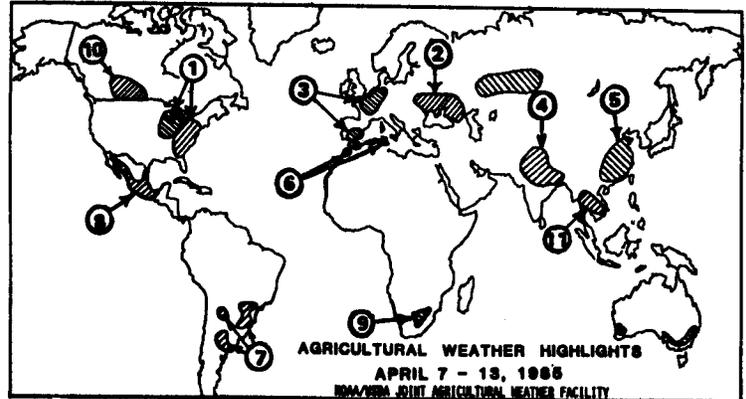


International Weather and Crop Summary

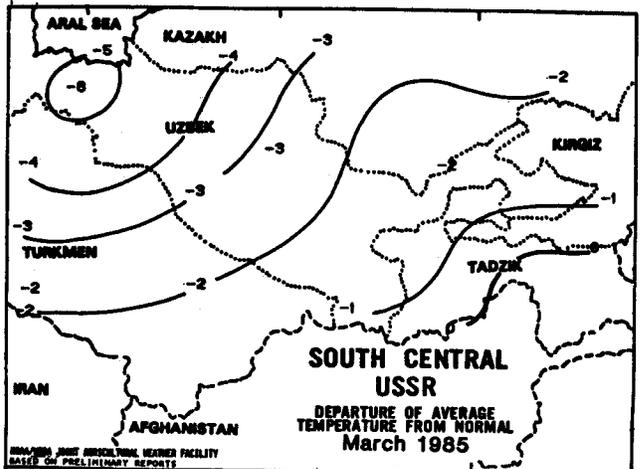
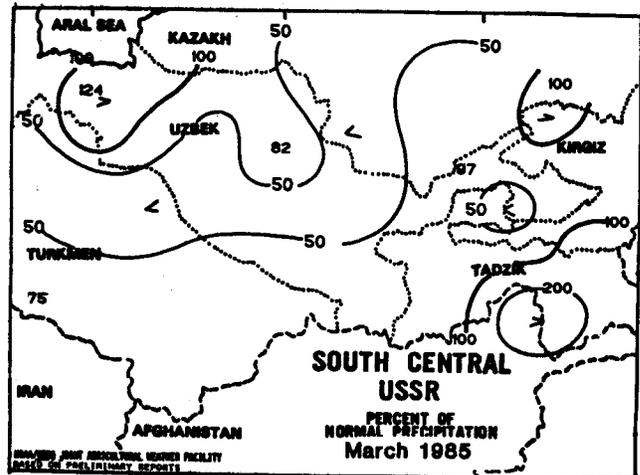
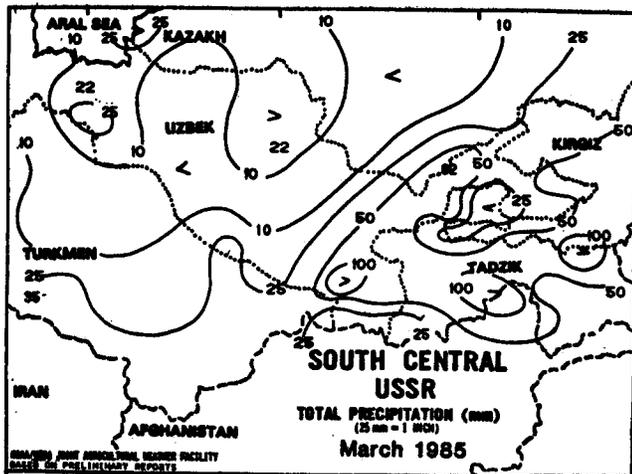
April 12 - 14

HIGHLIGHTS:

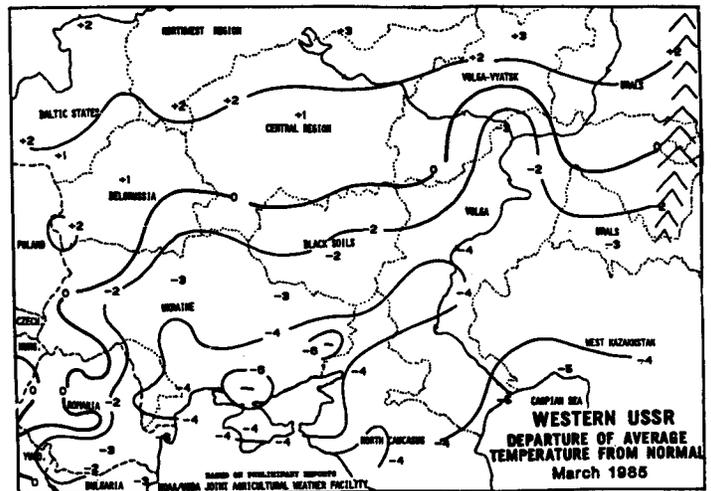
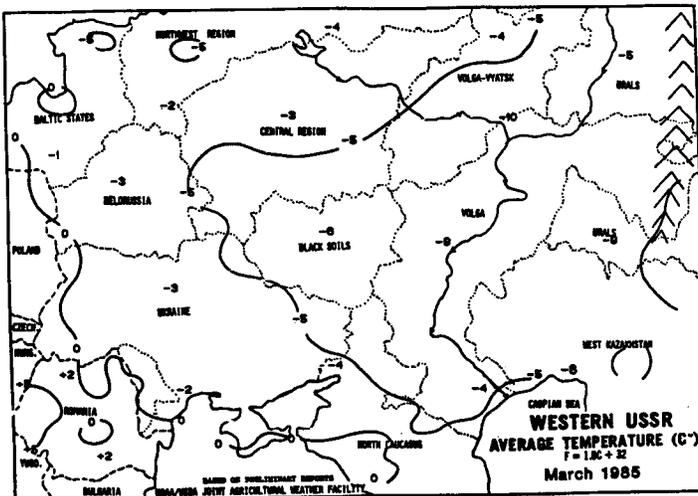
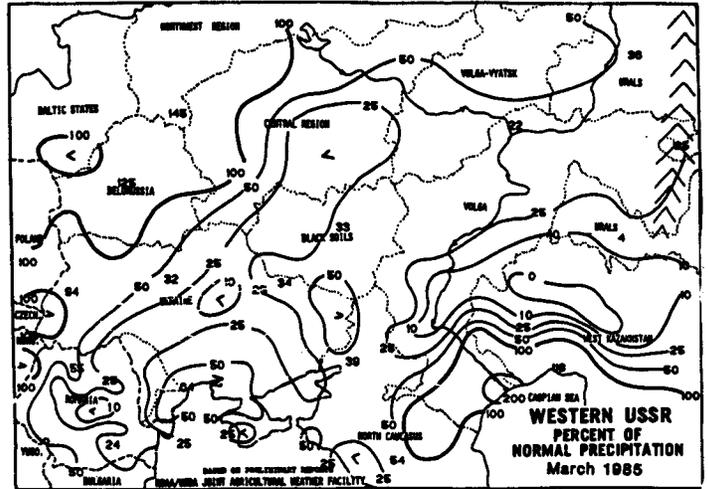
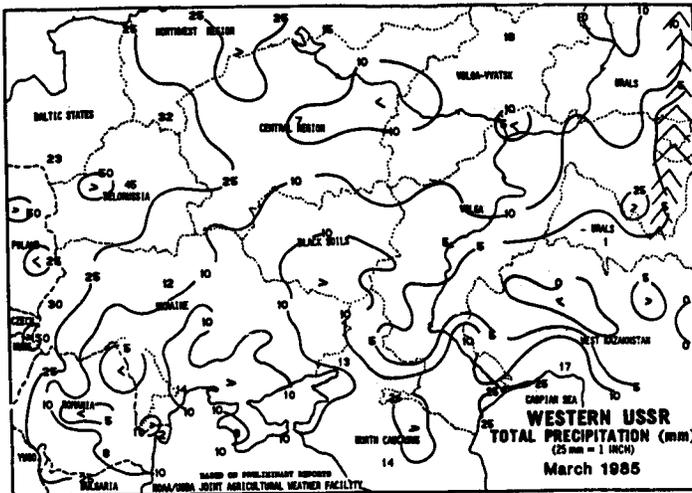
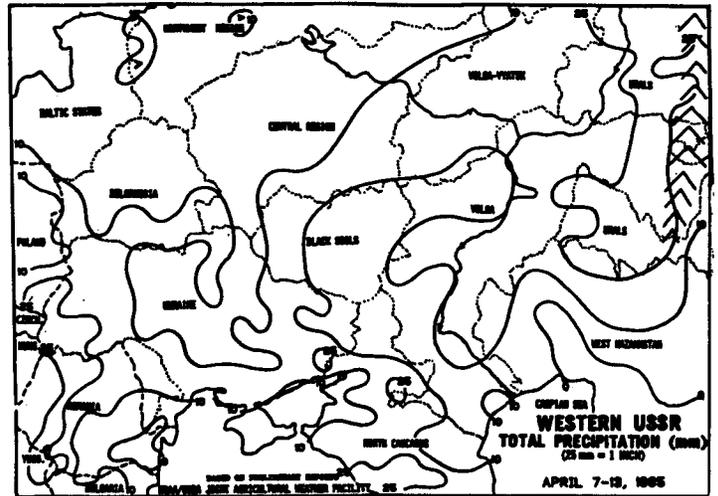
1. **UNITED STATES** ... Corn Belt wetness further delays field preparation and planting, while excessive dryness curtails planting and germination on the southeastern Coastal Plains. A late-season freeze damages some eastern orchards, especially Appalachian apples.
2. **WESTERN USSR** ... Showers favor winter grains breaking dormancy across the south but interrupts some spring fieldwork.
3. **RUSSIA** ... Showers persist in the northwest, delaying spring fieldwork. Dry weather continues to reduce crop prospects in southern Spain.
4. **SOUTH ASIA** ... Moderate to heavy rain does not favor maturing wheat in Pakistan. Drier weather benefits India's wheat harvest.
5. **EASTERN ASIA** ... Warmer temperatures in most of the region favor rice, winter wheat, and cotton. Unfavorably dry weather persists over nonirrigated crops in the north.
6. **NORTHWESTERN AFRICA** ... Persistent dryness in Morocco reduces winter grain yield prospects. Showers are needed in Algeria and Tunisia to maintain favorable crop prospects.



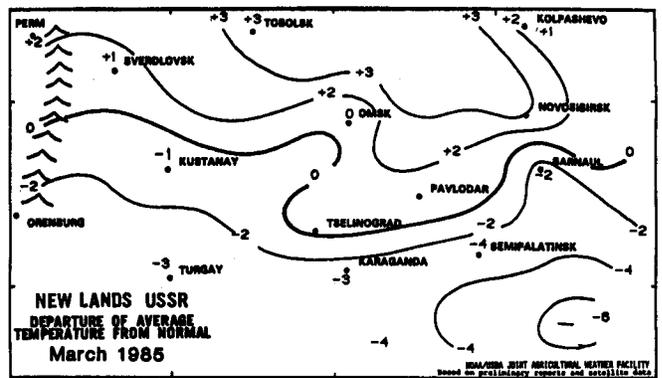
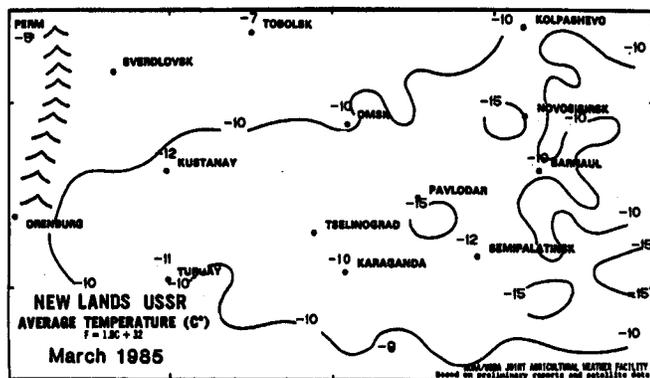
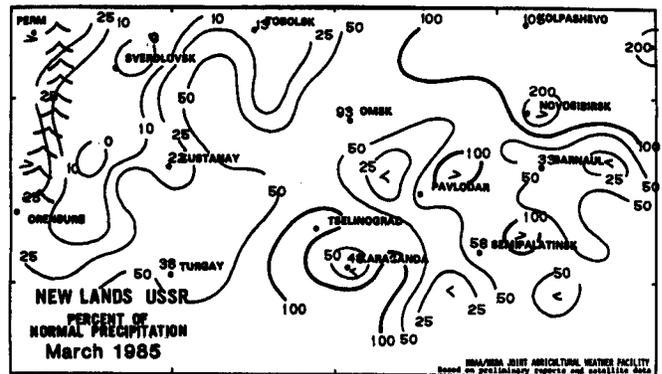
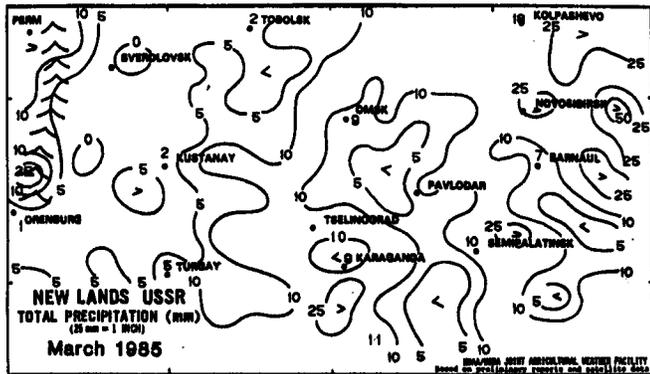
7. **SOUTH AMERICA** ... In Brazil, locally heavy showers in western Rio Grande do Sul keeps fields too wet for harvesting soybeans, already delayed by earlier wetness. Crop harvesting progressed in Parana and adjacent states as well as in Argentina's major summer crop areas.
8. **MEXICO** ... Unseasonably stormy weather brings beneficial moisture to most eastern crops.
9. **SOUTH AFRICA** ... Dry weather favors corn harvesting.
10. **CANADA** ... Light showers fall across the northern crop areas of the Prairie Provinces, while dry weather prevails in the south. Spring wheat planting will begin in a few weeks.
11. **SOUTHEAST ASIA** ... Light pre-monsoon showers have begun but are insufficient for significant planting progress.



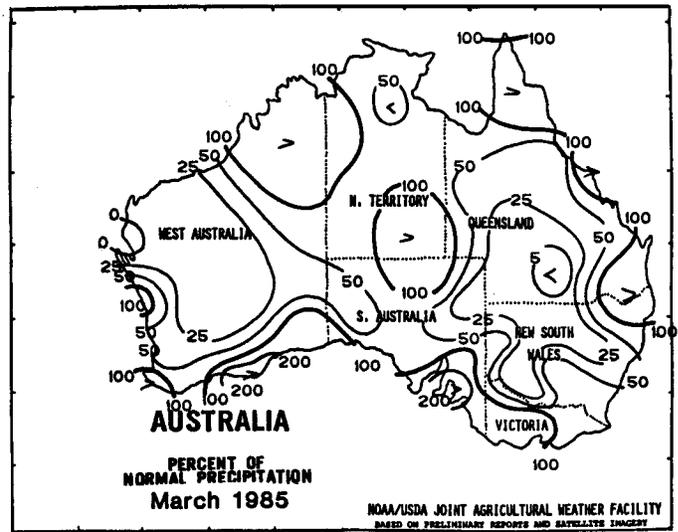
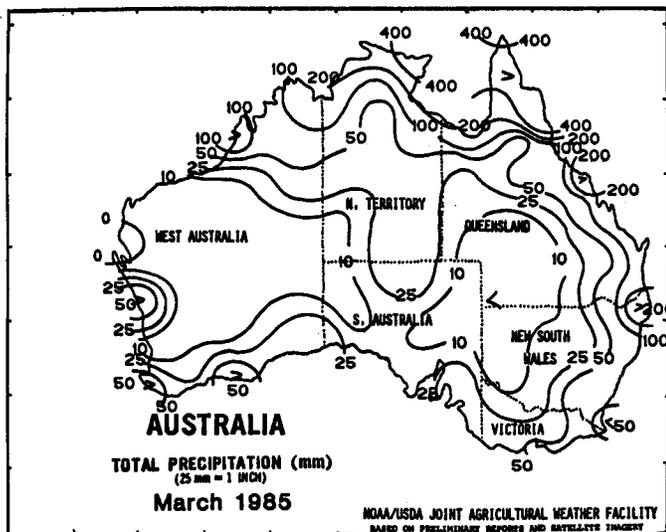
WESTERN USSR...Mid-week showers (10-25mm) covered southern crop areas favoring those winter grains breaking dormancy, but interrupting some spring fieldwork. Mixed rain and snow covered dormant winter grains in the Central Region, Black Soils, Upper Volga, and Volga Vyatsk. The winters' bitter cold weather continued until mid-March, when a gradual warming trend slowly melted snow. Snow disappeared from southern grain areas about 2 to 3 weeks later than usual. Recent weekly temperatures have been above normal, inducing southern winter grains to break dormancy 1 to 2 weeks later than normal. Cumulative precipitation since December is above normal over much of the region, providing good topsoil moisture. However, the Black Soils and Volga Valley have had below-normal moisture accumulations since September and subsoil moisture is likely limited in these areas.



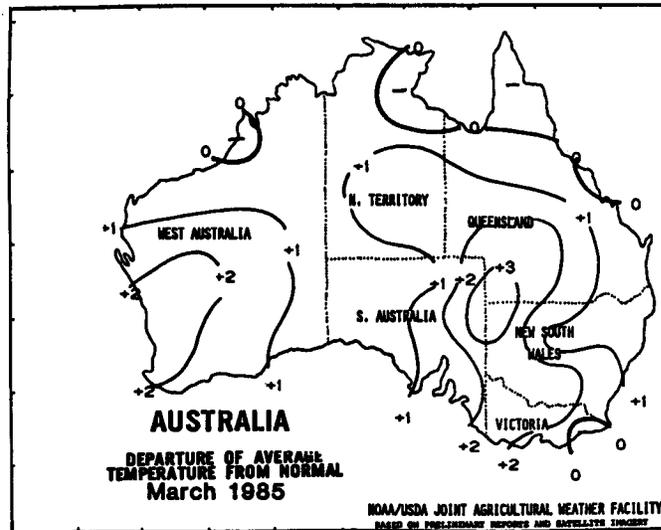
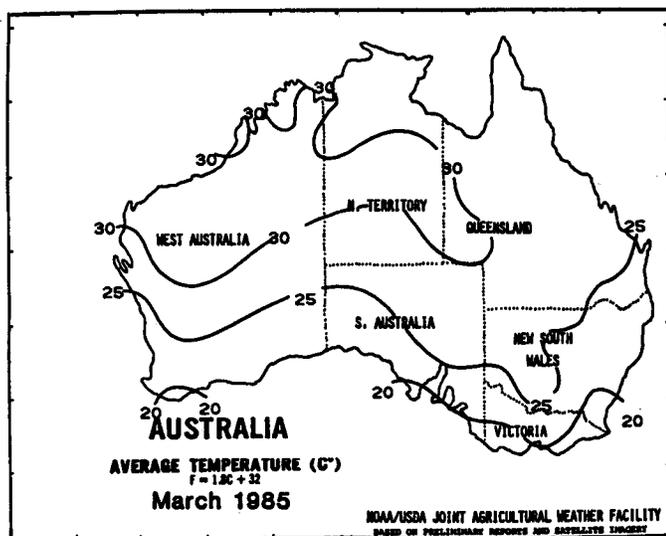
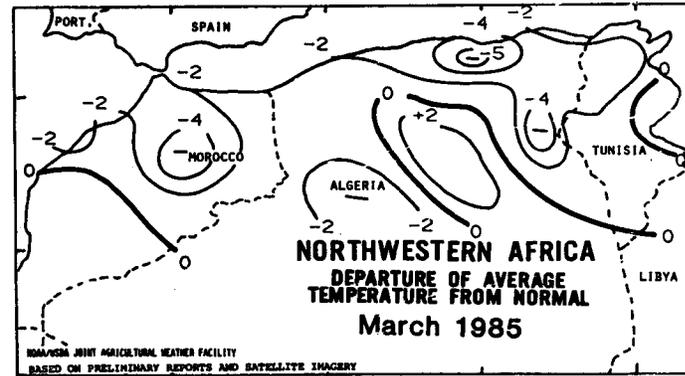
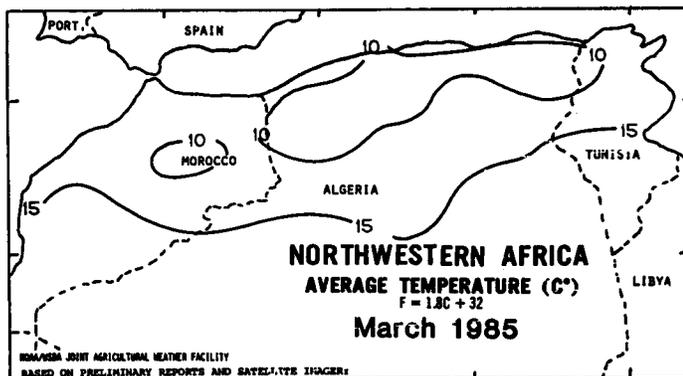
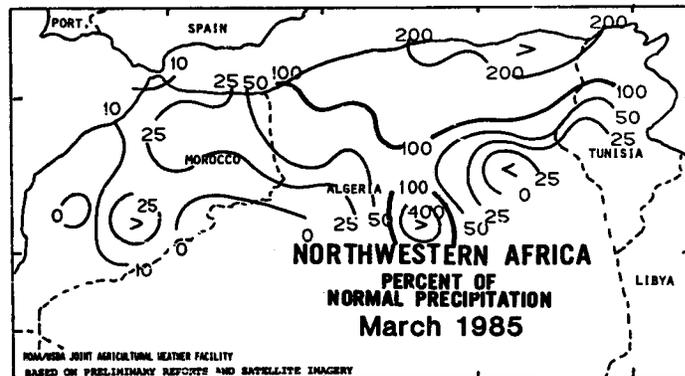
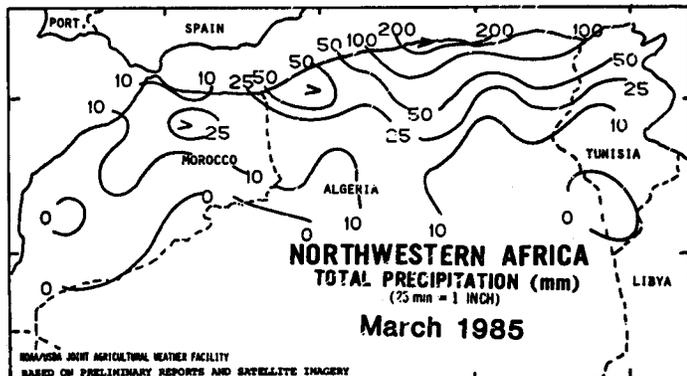
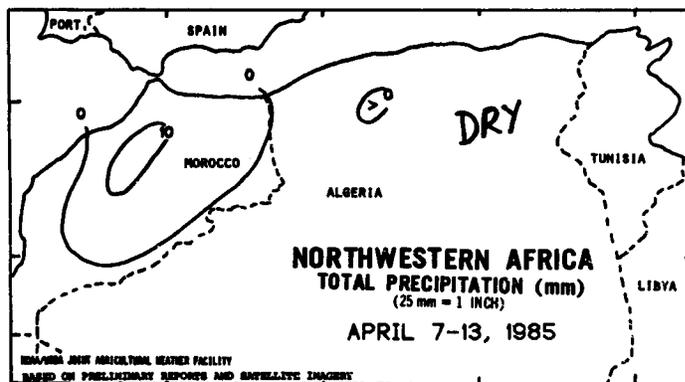
MONTHLY UPDATE: NEWLANDS... Most spring wheat areas have had near-to above-normal moisture accumulations since November. Recent above-normal temperatures melt some snow. Planting begins in mid-May.



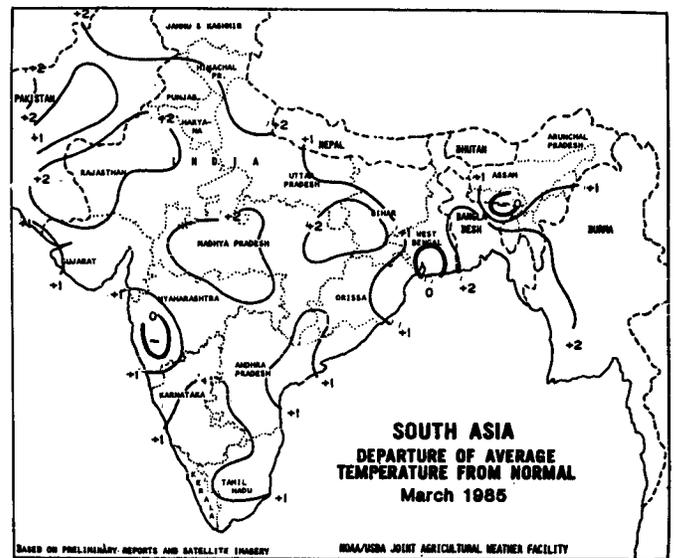
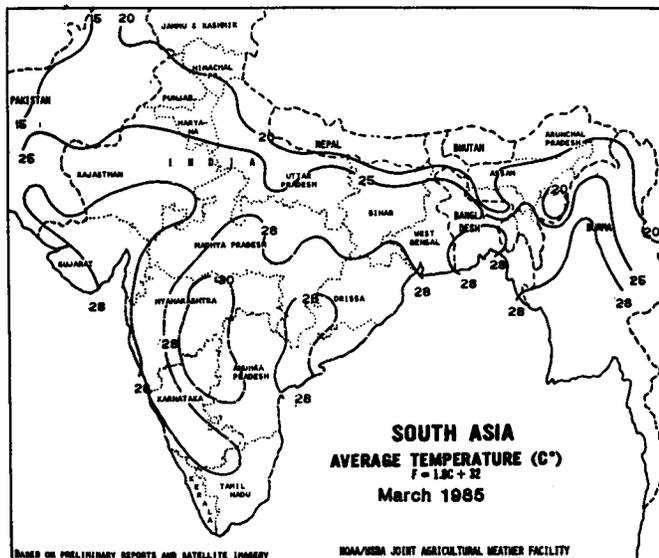
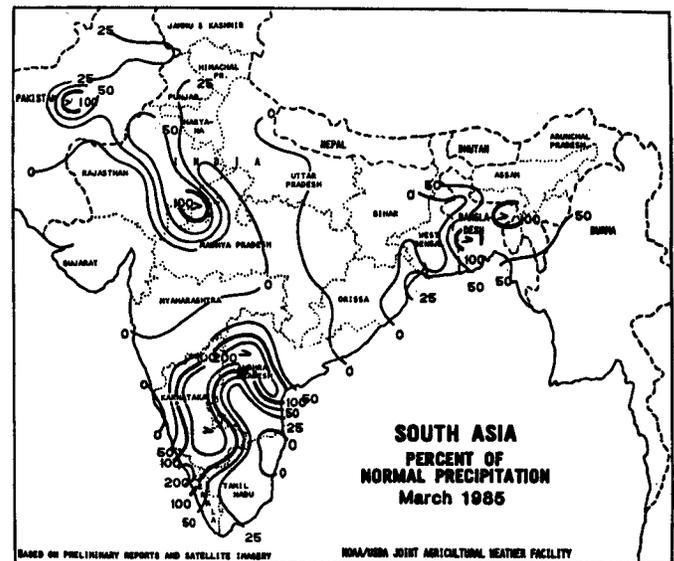
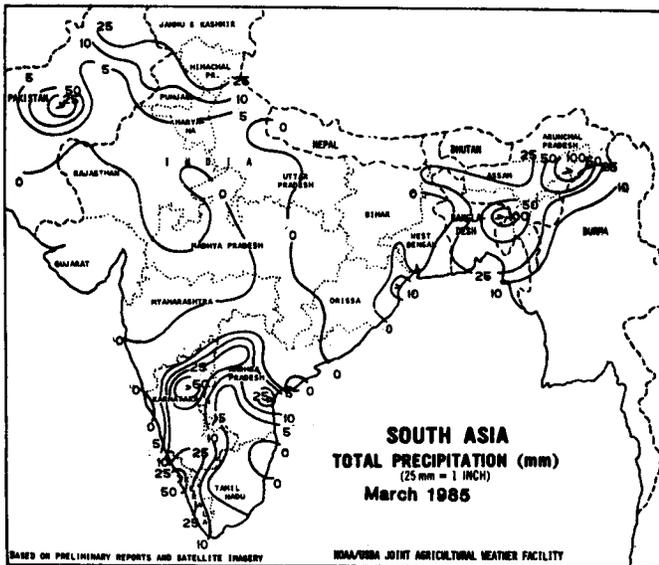
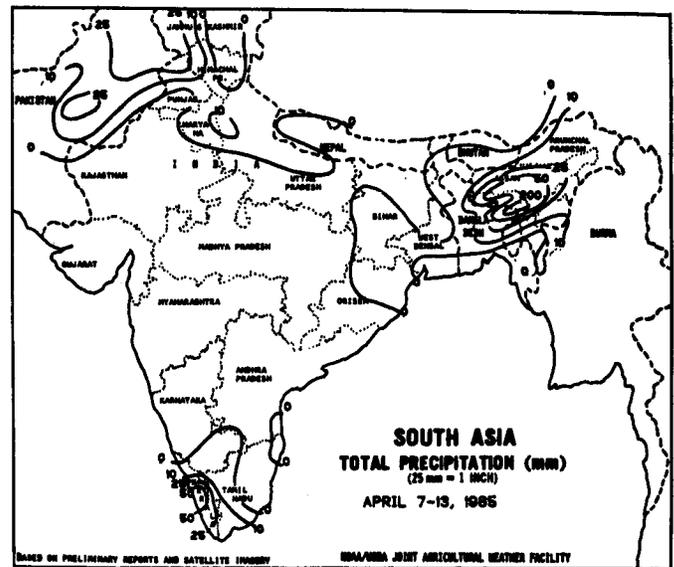
MONTHLY UPDATE: AUSTRALIA... Above-average March rainfall in southwestern Victoria and southeastern South Australia improved soil moisture for wheat planting which usually begins in May. Minimal rain fell over wheat areas of New South Wales. Seasonally dry weather covered most wheat areas of Western Australia, but rainfall normally increases during the next 2 months.



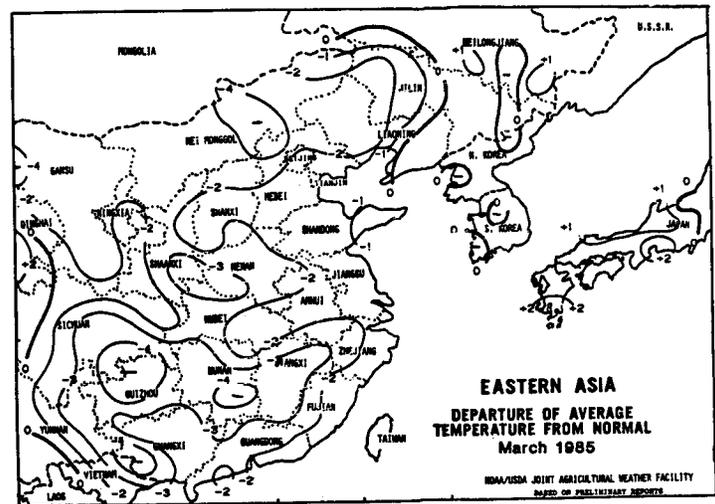
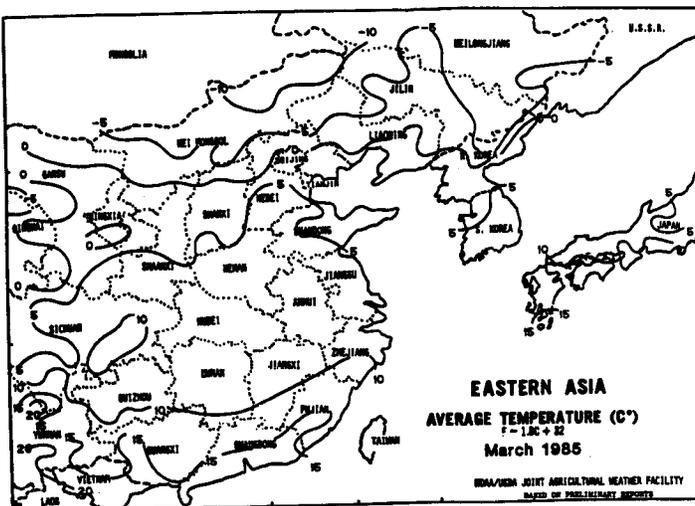
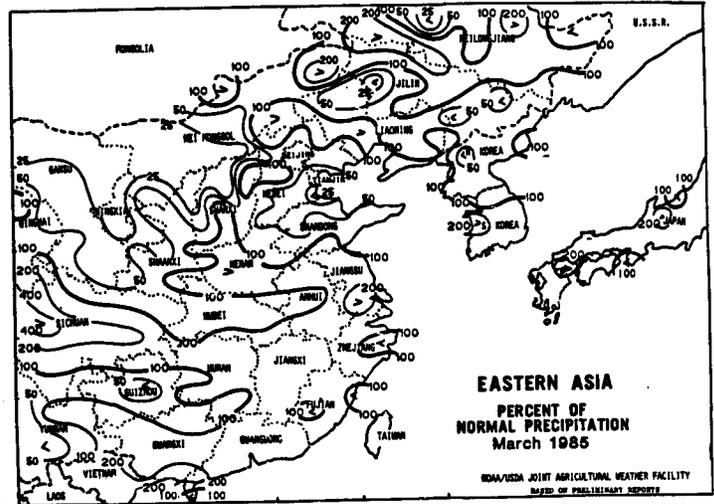
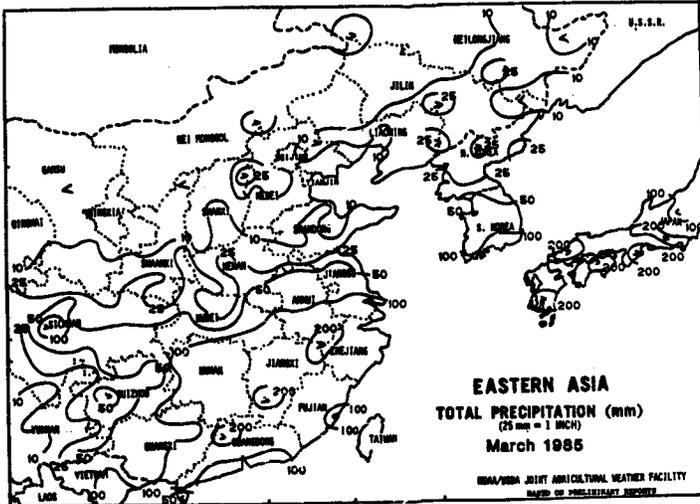
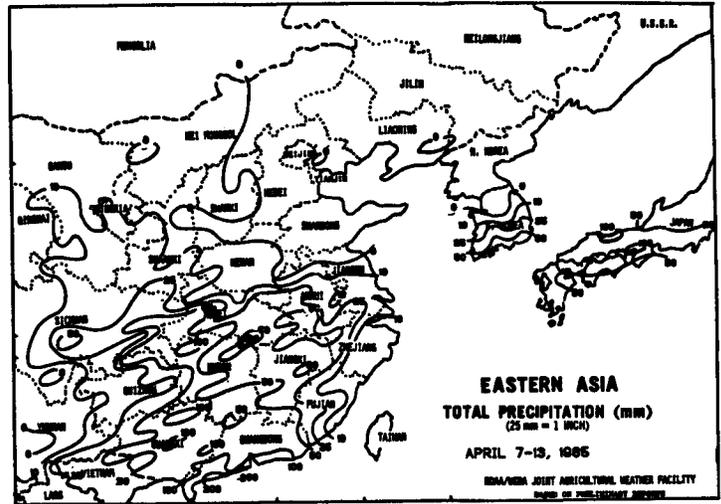
NORTHWESTERN AFRICA...Light showers in northern Morocco winter grain areas did not sufficiently meet the crop's moisture demand. Dry weather in southern Morocco, for the sixth consecutive week, covered winter grains. This below-normal precipitation has reduced the yield potential. Winter grains are currently in the filling stage, and rain is needed soon to prevent further crop deterioration. In Algeria and Tunisia, the second consecutive week of dry weather followed above-normal March precipitation. Currently, winter grains are heading and would benefit from additional showers.



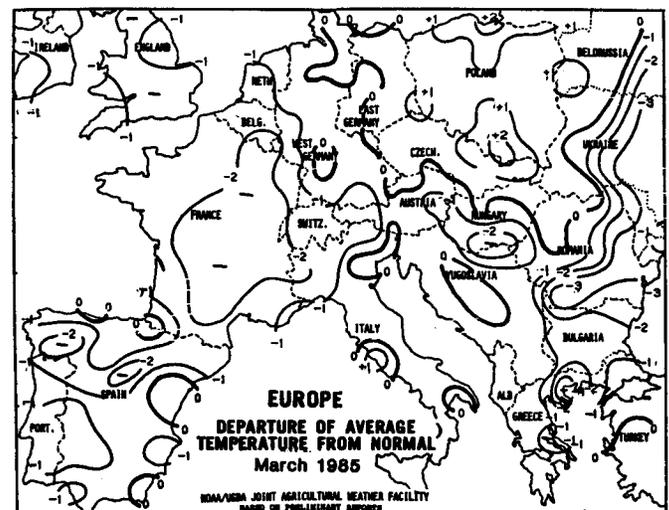
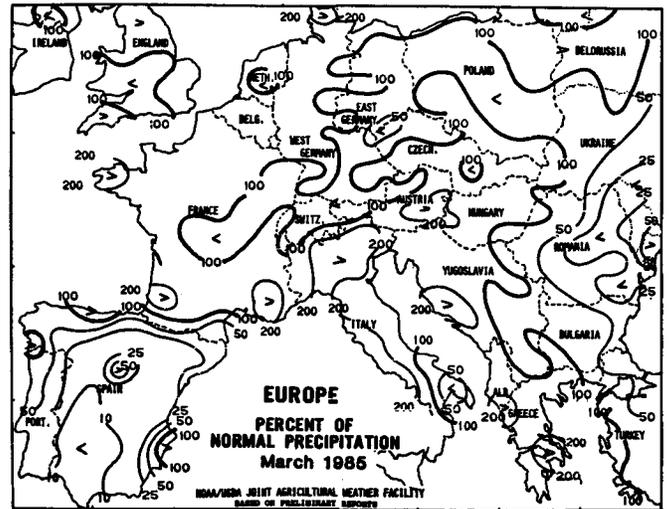
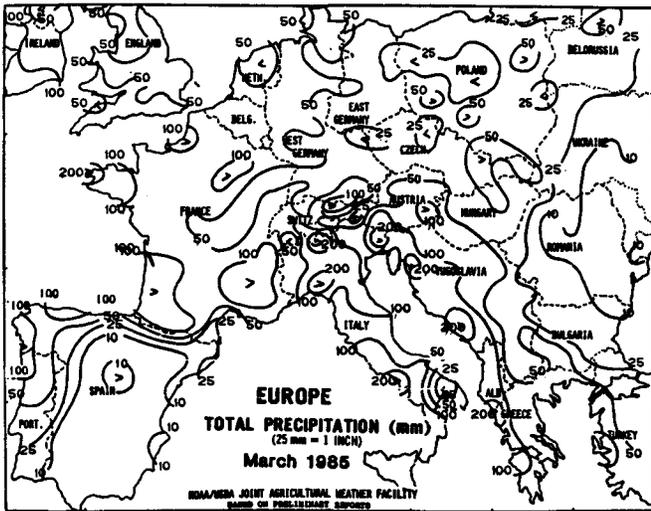
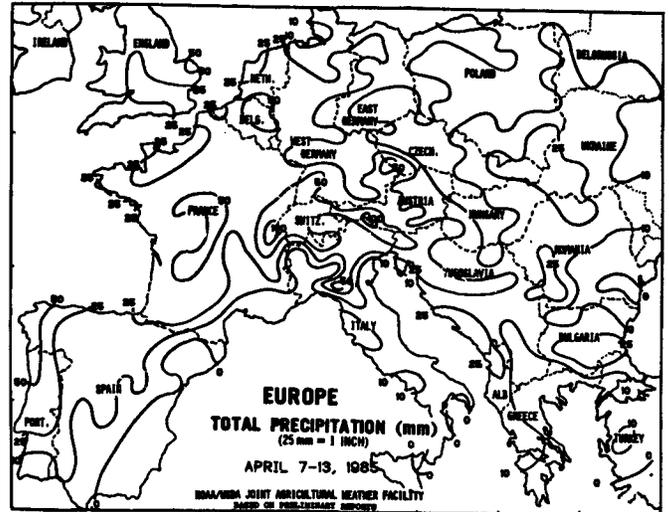
SOUTH ASIA...Drier-than-normal March weather across northern Pakistan and India aided wheat maturation and favored harvesting. Much above-normal rain fell in southern India during March; however, the largest amounts (around 50mm) were insignificant for the June planting season. Above-normal March temperatures accelerated wheat maturation in the north and evaporated the unseasonal moisture in the south. Light showers (1-10mm) fell in northern India, while wheat harvesting continued. Moderate to heavy rain (25-45mm) was unfavorable for maturing wheat in northern Pakistan.



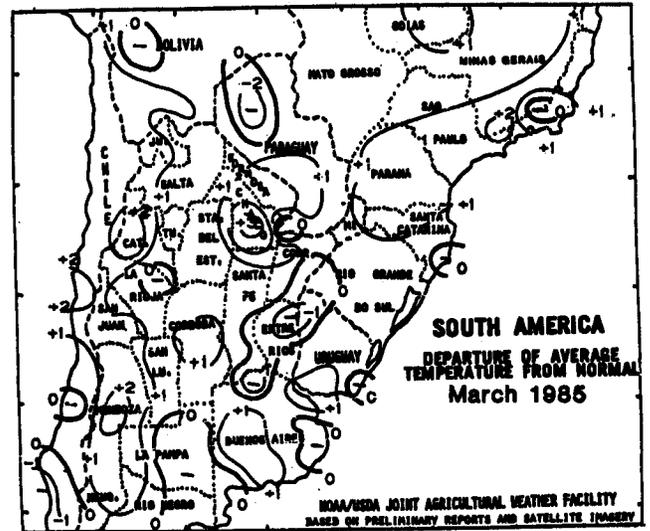
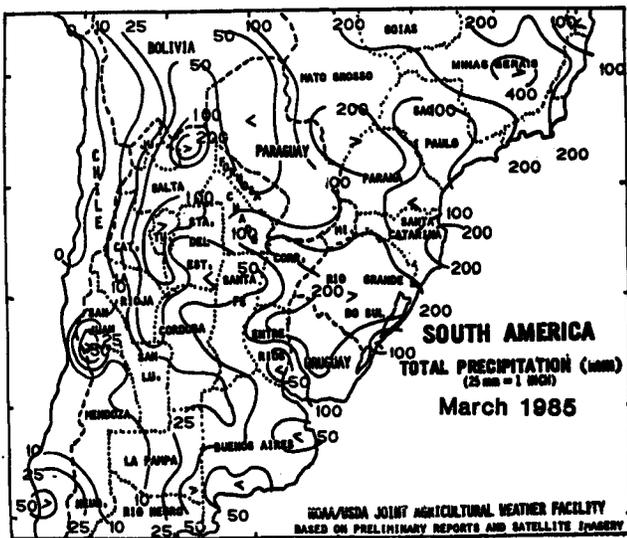
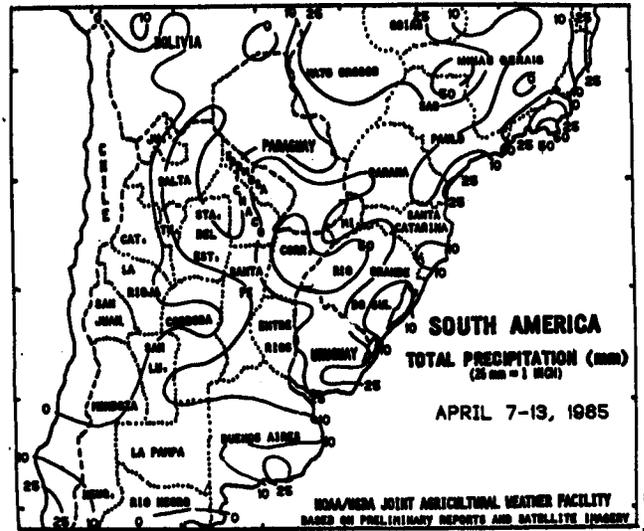
EASTERN ASIA... Generous rain covered the rice region following March's wet pattern in the south. March temperatures averaged significantly below normal, slowing early rice planting and development. Recent temperatures increased to slightly above normal, favoring rice. Cooler-than-normal March weather caused winter wheat to break dormancy 2-3 weeks late in the southern region. Northern winter wheat broke dormancy near the normal date. Relatively dry weather continued in Hebei, Shandong, and northern Henan, where nonirrigated winter wheat has limited topsoil moisture. Warmer weather in the North China Plain favored early winter wheat growth and cotton planting. The moisture in South Korea favored winter grains.



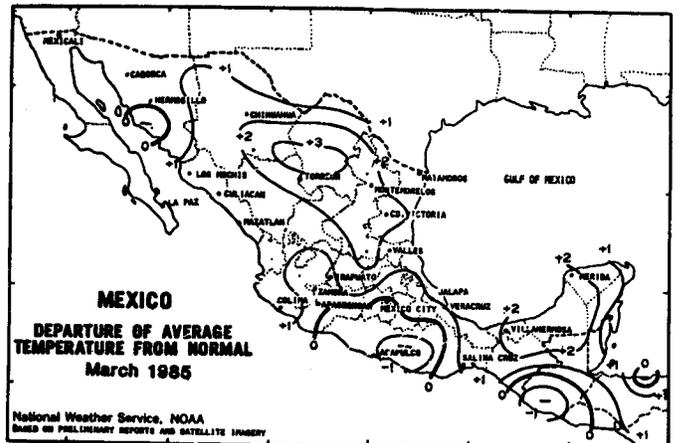
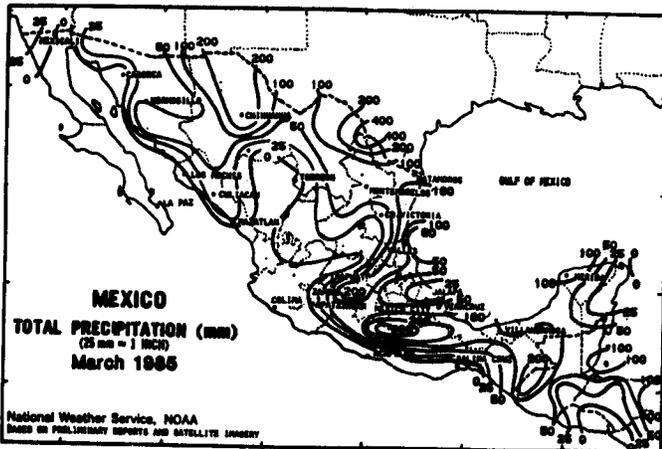
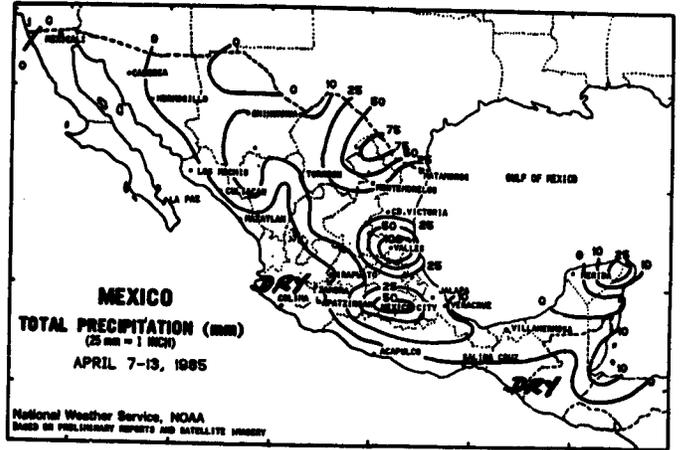
EUROPE... Persistent showers (25-50mm) over northern France, the Netherlands, Belgium, and West Germany, further delayed spring fieldwork. Beneficial showers (10-25mm) favored winter grains in southern Poland, Hungary, northwestern Romania, and Bulgaria, and increased topsoil moisture for spring grain planting. Dry weather continued to stress winter grains in southern Spain, reducing crop prospects. Below-normal March temperatures in France, West Germany, Romania, and Bulgaria caused winter grains to break dormancy 1 to 2 weeks later than normal. Below-normal precipitation covered Spain, stressing winter grains. Timely rains could still improve crop prospects in northern Spain, where March's cold nighttime temperatures slowed plant development.



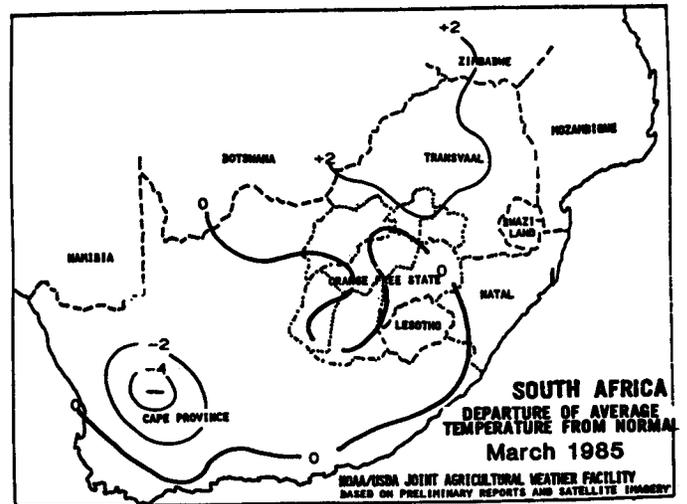
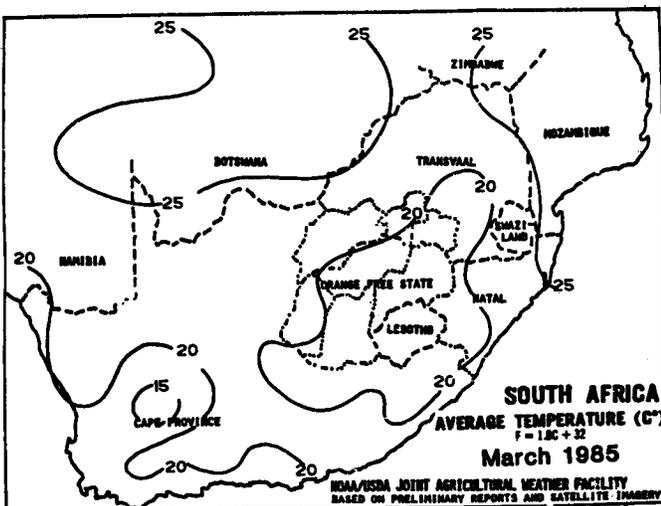
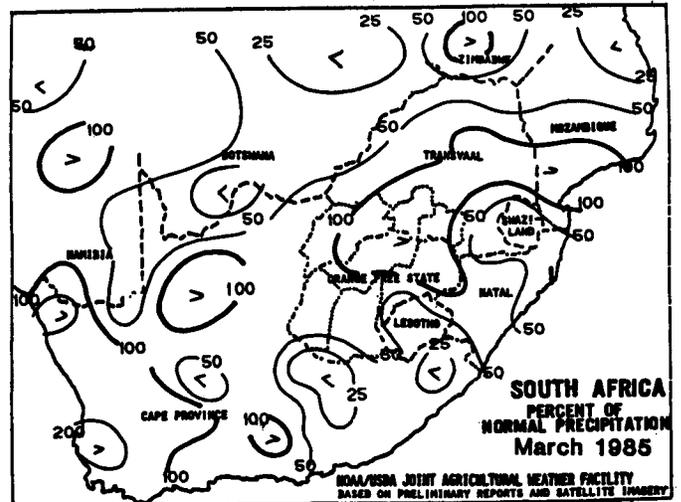
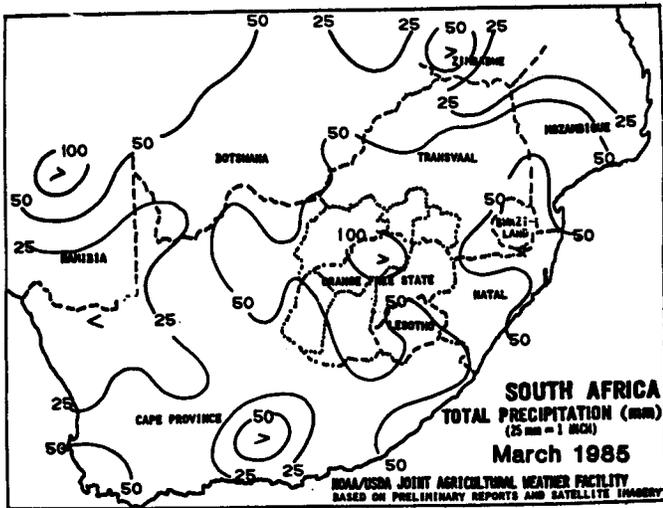
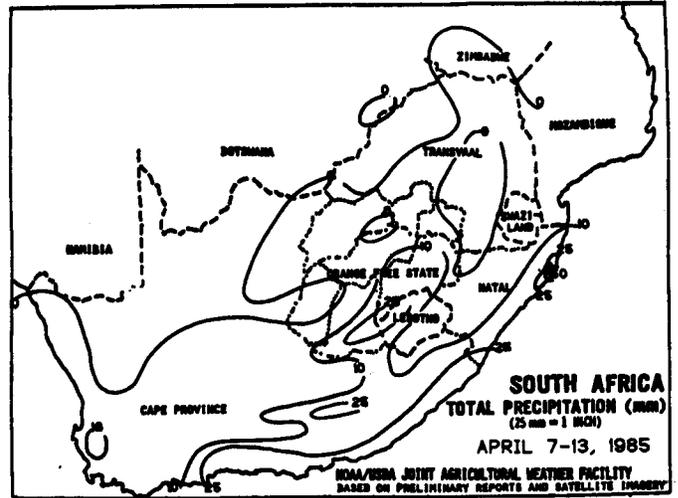
SOUTH AMERICA...Showery periods again slowed Brazil's soybean harvest. Locally heavy mid-week rain in western Rio Grande do Sul drenched fields, where harvesting is falling well behind normal. Consecutive days of dry weather during the first part of the week aided fieldwork in Parana, southern Mato Grosso do Sul, and southeastern Minas Gerais, but heavier showers elsewhere likely delayed harvesting. In southern Brazil, frequent and heavy showers, beginning in mid-March, produced above average monthly rainfall which coincided with early soybean harvesting. In Argentina, scattered showers fell over most crop areas, but harvesting was reportedly progressing well: corn, sunflower, and sorghum harvesting advanced to about 50, 60, and 30 percent complete, respectively. Soybean harvesting began in northern Buenos Aires. Argentina's March rainfall was generally below average, except in the northeast where heavy rain fell.



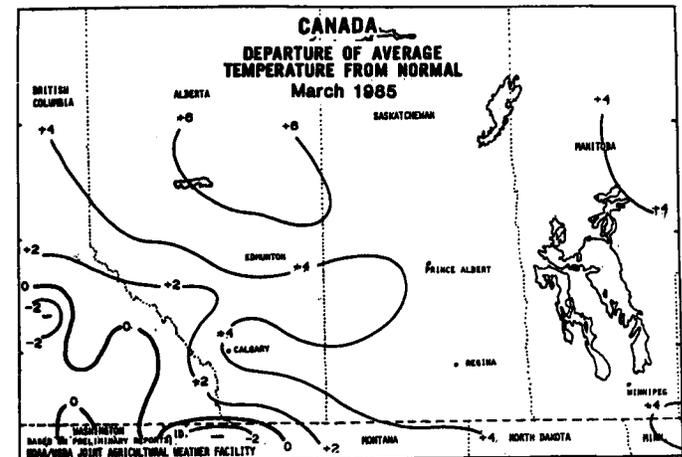
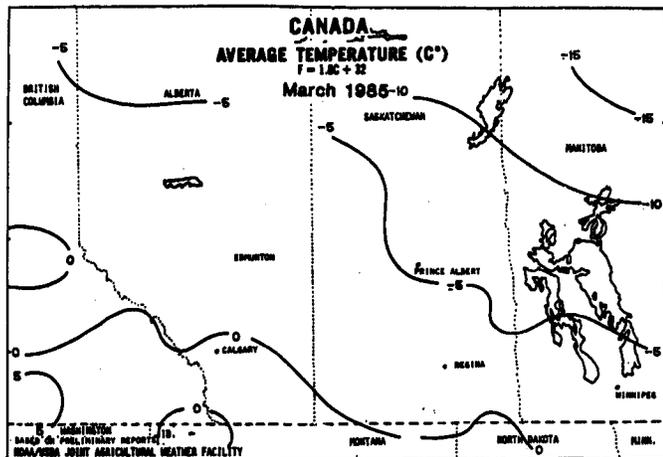
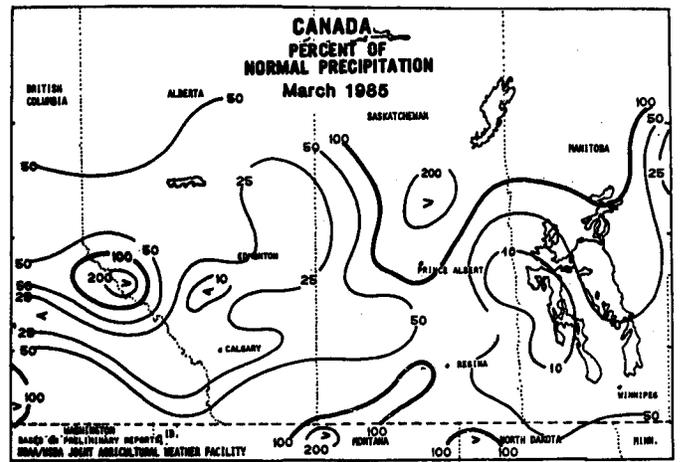
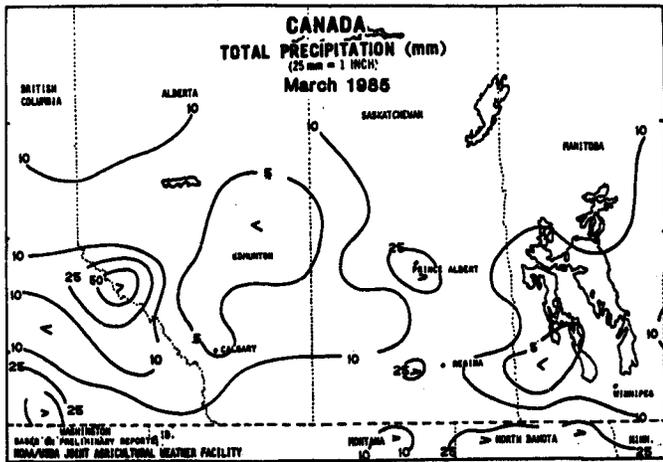
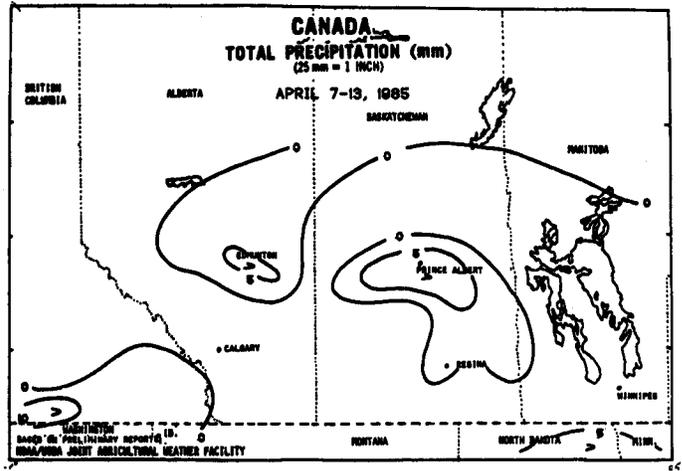
MEXICO ... Unusually stormy weather brought beneficial moisture to the northeastern and east central regions. The rains particularly helped eastern corn, grain sorghum, citrus, sugarcane, and vegetables. Even eastern parts of the southern Plateau corn belt were soaked, which should accelerate crop planting and emerging. Light rains across north central pastures should temporarily improve vegetation for livestock. The western coastal states remained mostly dry, allowing unimpeded harvesting and other field activities.



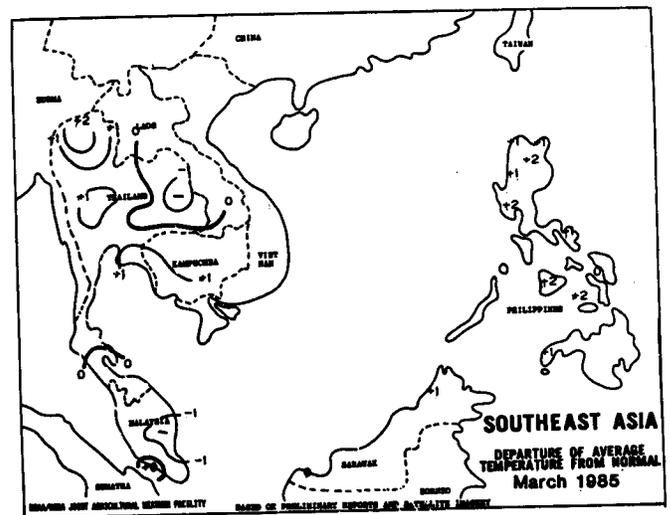
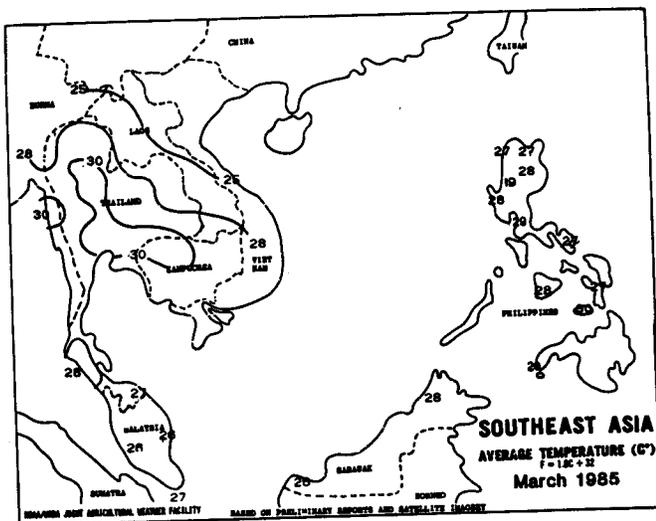
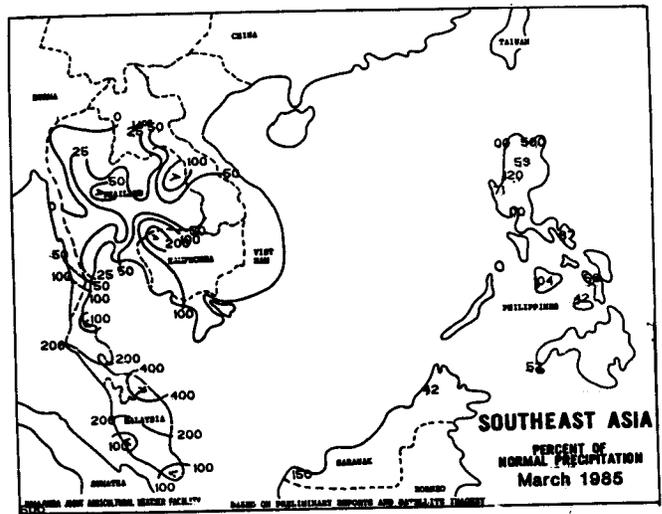
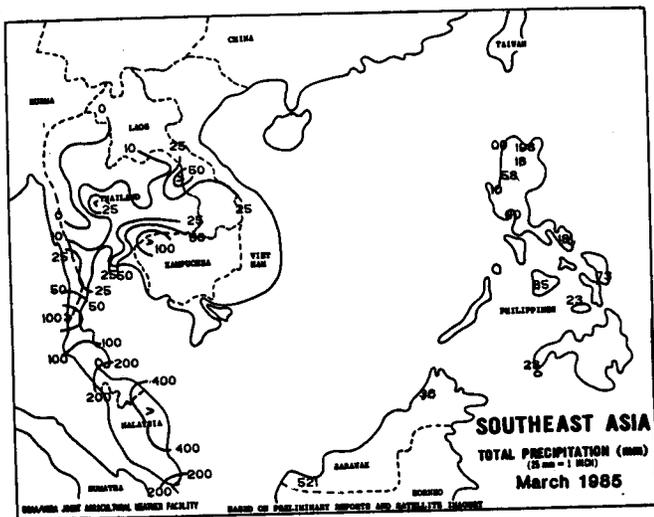
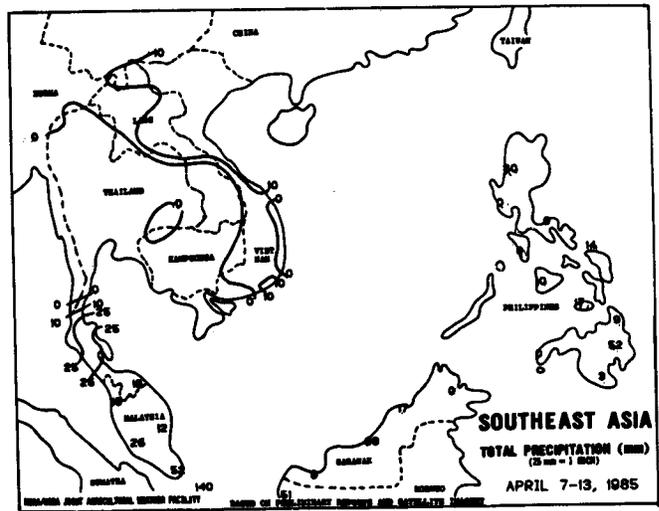
SOUTH AFRICA...Light showers (1-10mm) fell on the 7th across the major corn areas. Dry weather the rest of the week favored harvesting. Seasonal rain (25-40mm) fell along the coast. March precipitation was near normal in much of the Maize Triangle. Most of the rain fell during the first half of March, followed by favorably drier harvesting weather that continues into April. Weekly summaries for South Africa will be discontinued until the corn planting season begins in October. Monthly maps will appear throughout the year.



CANADA... March's near-seasonal precipitation over much of Saskatchewan's crop area helped soil moisture reserves for the upcoming grain and oilseed plantings. The moisture especially benefited southwestern portions of the province where below-average precipitation fell during the past 2 months. Light March precipitation fell in crop areas of Manitoba and most of Alberta. During the past week, very light showers fell across northern portions of the Prairie grain belt. Spring wheat planting usually does not begin until early May. Saskatchewan is the leading spring wheat producing province in the Canadian Prairies. Spring wheat comprises about 95 percent of Canada's total wheat production.



SOUTHEAST ASIA...Weekly weather summaries will begin with this issue to monitor the 1985 monsoon season. The primary rice-planting and corn-planting seasons coincide with the onset of the wet season. Although light pre-monsoon showers have begun, significant rain has not reached the major corn area in central Thailand. Mostly dry weather covered the region this week and early planting did not progress much.



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(continued from p.12)

Joaquin Valley. Broccoli harvest was heavy in the Central Coast, and mixed vegetable harvest was constant in the Salt River Valley. Lettuce in the Yuma and Parker-Boston areas is almost completely harvested, and is complete in Marana. Asparagus was completely harvested.

PASTURES AND LIVESTOCK: Pastures were in mostly good condition, but cold temperatures and the lack of moisture slowed growth in the Southeast. Livestock was mostly good to fair; movement to pastures continued. A few areas experienced problems when temperatures unexpectedly dipped below normal last week.

	RICE % PLANTED		
	1985	1984	AVG.
ARK	6	3	4
CALIF	0	1	2
LA	41	46	41
MISS	15	5	17
TEX	36	73	67
5 STATES	17	22	21

THESE 5 STATES PRODUCED 97%
OF THE 1984 RICE CROP.

	COTTON % PLANTED		
	1985	1984	AVG.
ALA	8	6	6
ARIZ	65	55	60
ARK	0	0	1
CALIF	65	85	58
GA	4	2	12
LA	4	1	3
MISS	2	0	0
MO	0	0	0
N MEX	5	15	4
N C	4	0	5
OKLA	0	0	0
S C	15	0	0
TENN	1	0	1
TEX	10	10	12
14 STATES	17	18	16

THESE 14 STATES PRODUCED 100%
OF THE 1984 COTTON CROP.

	CORN % PLANTED		
	1985	1984	AVG.
COLO	2	0	1
GA	90	71	73
ILL	0	0	0
IND	0	0	0
IOWA	0	0	0
KANS	3	0	4
KY	10	0	2
MICH	0	0	0
MINN	0	0	0
MO	5	0	5
NEBR	0	0	0
N C	65	14	30
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
TEX	63	63	52
WIS	0	0	0

THESE 17 STATES PRODUCED 93%
OF THE 1984 CORN CROP.

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