

# 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

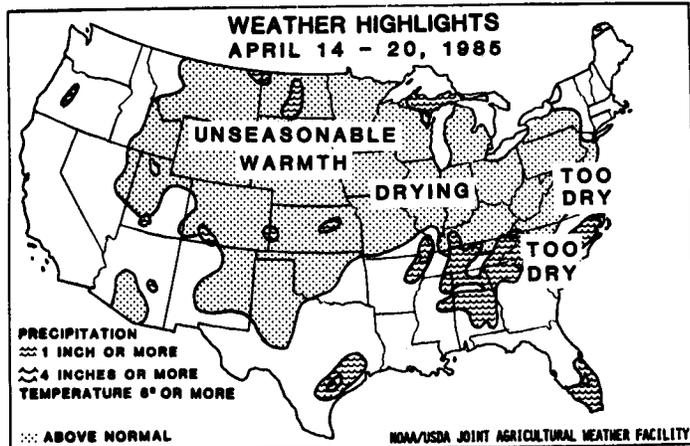
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Apr. 23, 1985

## National Weather Summary

April 14 to 20, 1985



**HIGHLIGHTS:** Summer weather descended on nearly all the Nation. In the early part of the week, unusual warmth prevailed over much of the West, and the western portion of the Plains began to warm. Very cold air settled over the Great Lakes region and New England. After midweek, the West began to cool and the very warm temperatures through the Plains began to spread eastward. By the end of the week, unusual warmth covered a large area from the eastern Plains to the east coast. Early-week showers and thunderstorms covered most of the area east of the Mississippi River. Precipitation was in the form of snow in the upper Great Lakes region and some freezing rain in New England. As cold air from the West pushed eastward at the week's end, showers and thunderstorms were triggered along the leading edge of the colder air in the Plains.

**SUNDAY...**Moderate showers and thunderstorms covered the lower Ohio and the Tennessee Valleys, while lighter showers spread over eastern United States from Louisiana to Michigan and eastward to the coast. Somewhat cooler air moved through the Great Lakes and parts of the East, but unusually warm weather spread over the High Plains and warm temperatures continued in the West.

**MONDAY...**Light showers covered the southeastern portion of the Nation from the lower Mississippi Valley through the Ohio Valley to the mid-Atlantic and through Florida. Isolated thunderstorms and a few tornadoes accompanied moderate to heavy showers from the lower Mississippi Valley to western Virginia and in southern Florida. A few showers fell in the Pacific Northwest. Temperatures were mild over most of the Nation, but the west coast and the western portion of the Plains were unusually hot. In contrast, freezing rain fell in Maine.

**TUESDAY...**Strong thunderstorms rumbled through the

Carolinas, while lighter showers and thunderstorms covered the East Coast States from northern Florida to Maine. Showers and thunderstorms developed along the west coast and the Southwest. Temperatures were generally mild but it was cold in the upper Mississippi Valley and unusually warm in the western portion of the Plains.

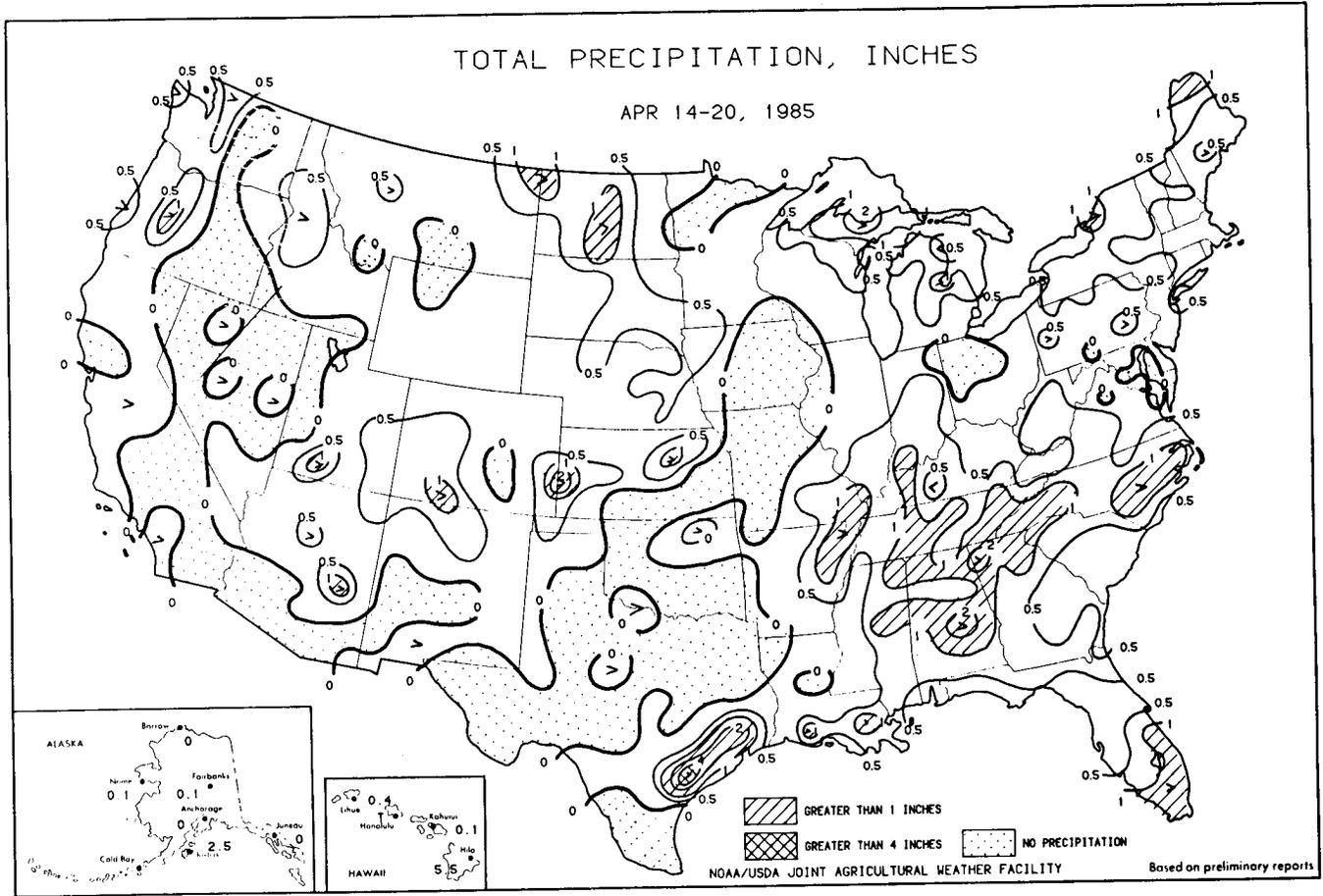
**WEDNESDAY...**Light rain fell in the upper Great Lakes region and some snow fell in the northern part of this region. Very light showers were widely scattered throughout the Rockies and westward. Very warm weather spread over all the Plains, reaching into the nineties in Nebraska and South Dakota.

**THURSDAY...**Rain and snow showers fell from the upper Lakes region across New York and New England, where record-cold temperatures prevailed. The unusually warm weather spread eastward across the Midwest to the mid-Atlantic States. Showers and thunderstorms became more widespread throughout the West and moved into the central Plains.

**FRIDAY...**Showers and thunderstorms continued from the lower Great Lakes to southern New England. Thunderstorms became severe in the central and northern Plains, producing moderate to heavy rain, hail, high wind, and tornadoes. Lighter storms developed in central Texas later in the day. Much cooler air enveloped the West. Cold rain and snow at higher elevations fell in the Northwest. Record-warm weather prevailed in the East and Midwest.

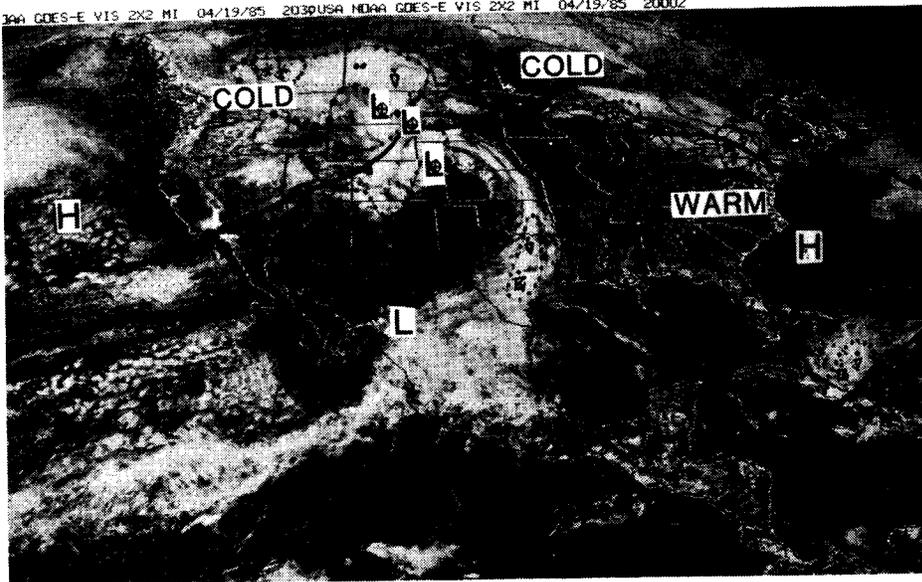
**SATURDAY...**The East and Midwest recorded record-warm temperatures, and the Northwest observed record cold. The cooler air displacing the warmer air triggered severe weather from Nebraska into Minnesota and Wisconsin. Thunderstorms also produced heavy rain along the southeastern coast of Texas, and lighter showers through the rest of the Plains. Rainshowers fell along the west coast, and snow was heavy at times in the central Rockies.

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THE SUBTROPICAL JETSTREAM FLOWS THROUGH MEXICO INTO TEXAS AND OKLAHOMA AND FINALLY MERGES WITH THE POLAR JETSTREAM IN THE NORTHERN PLAINS.

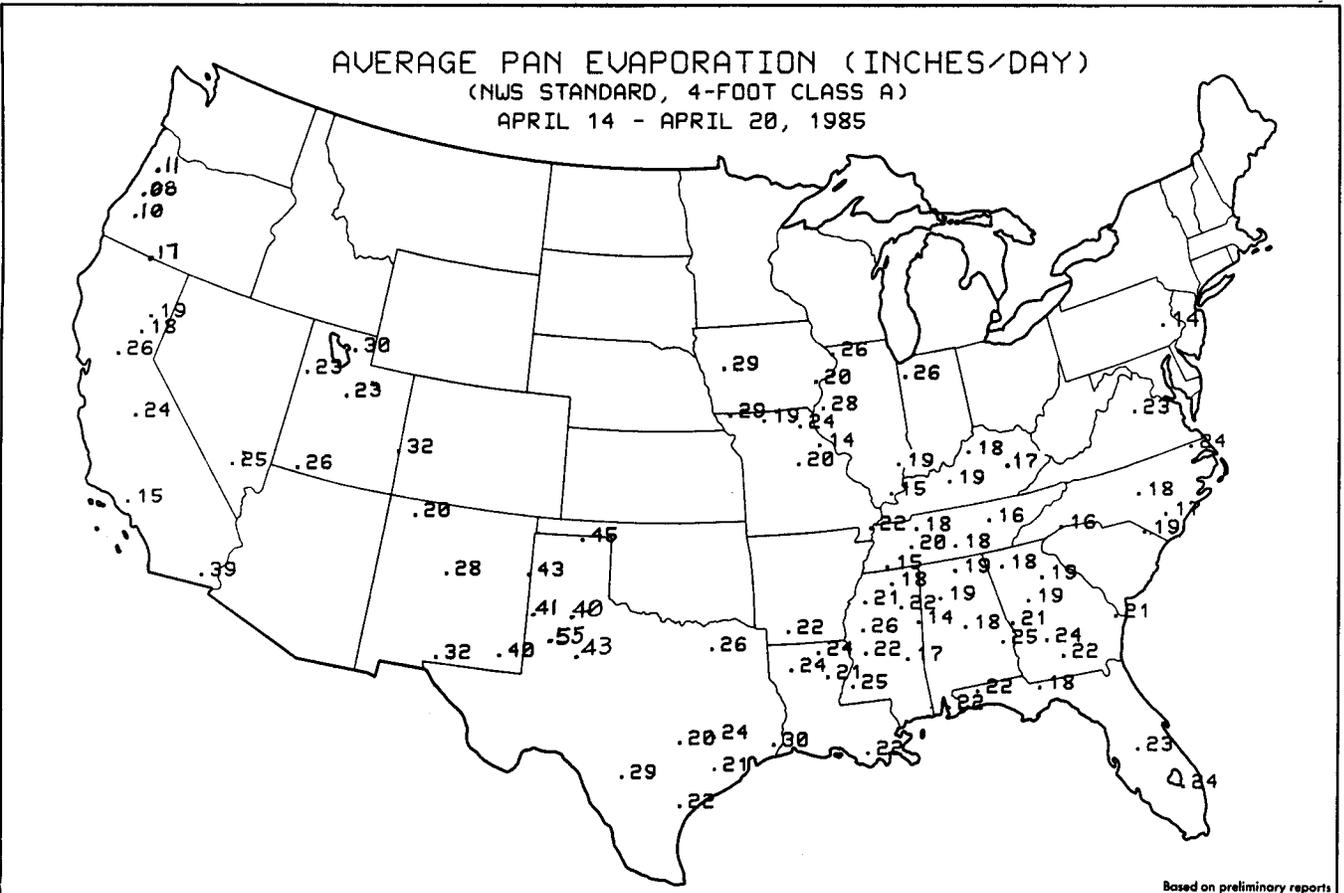
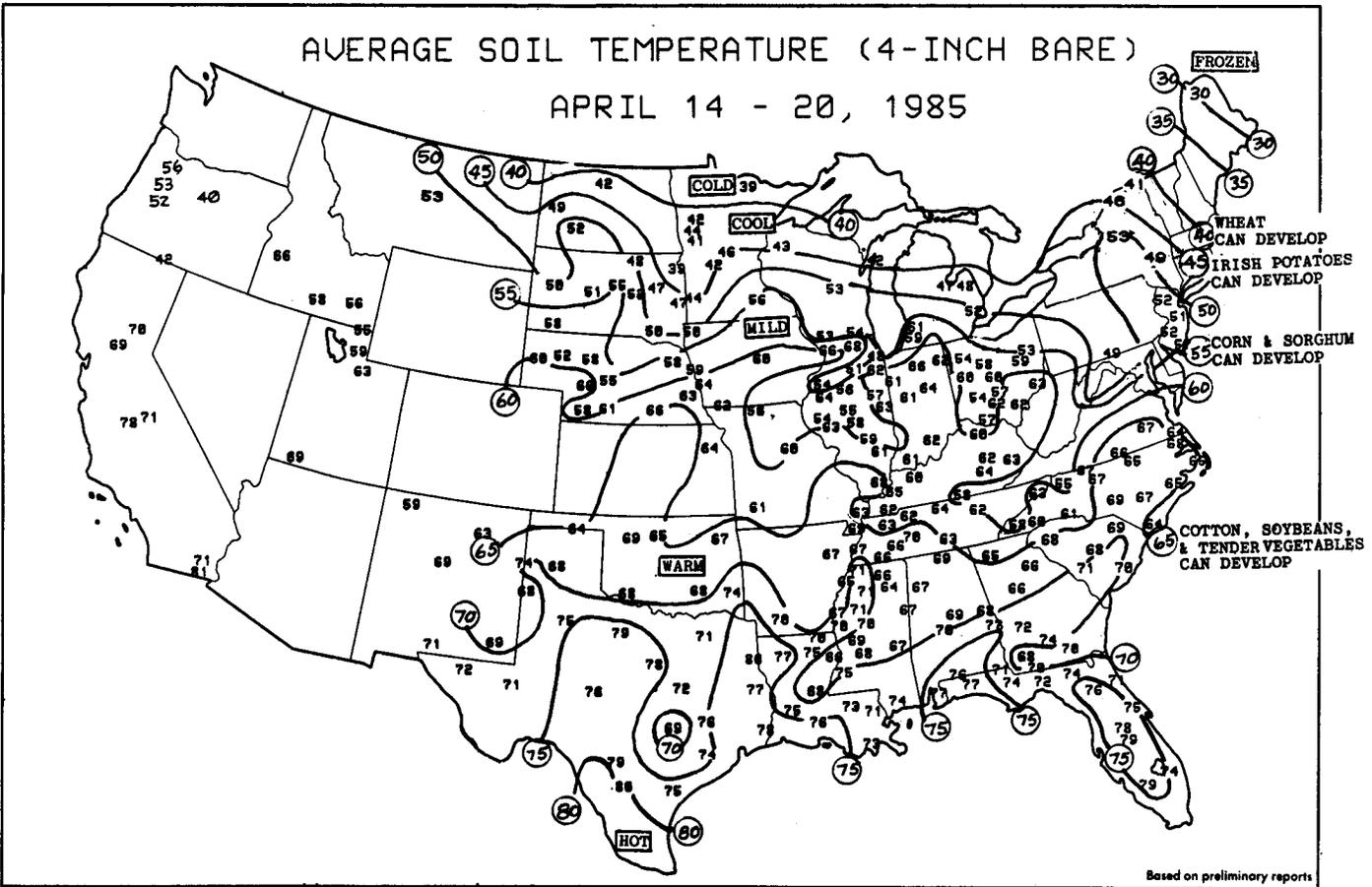
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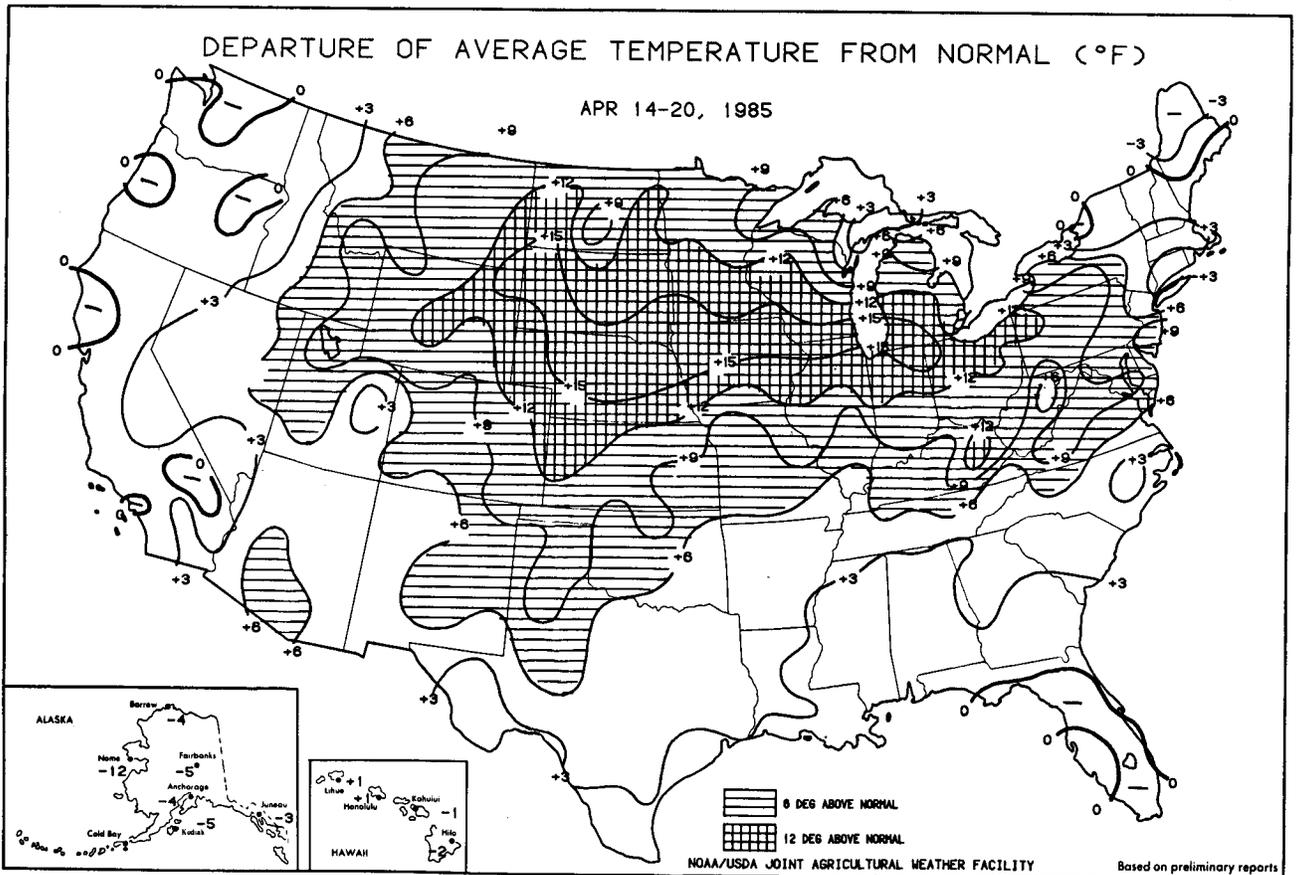
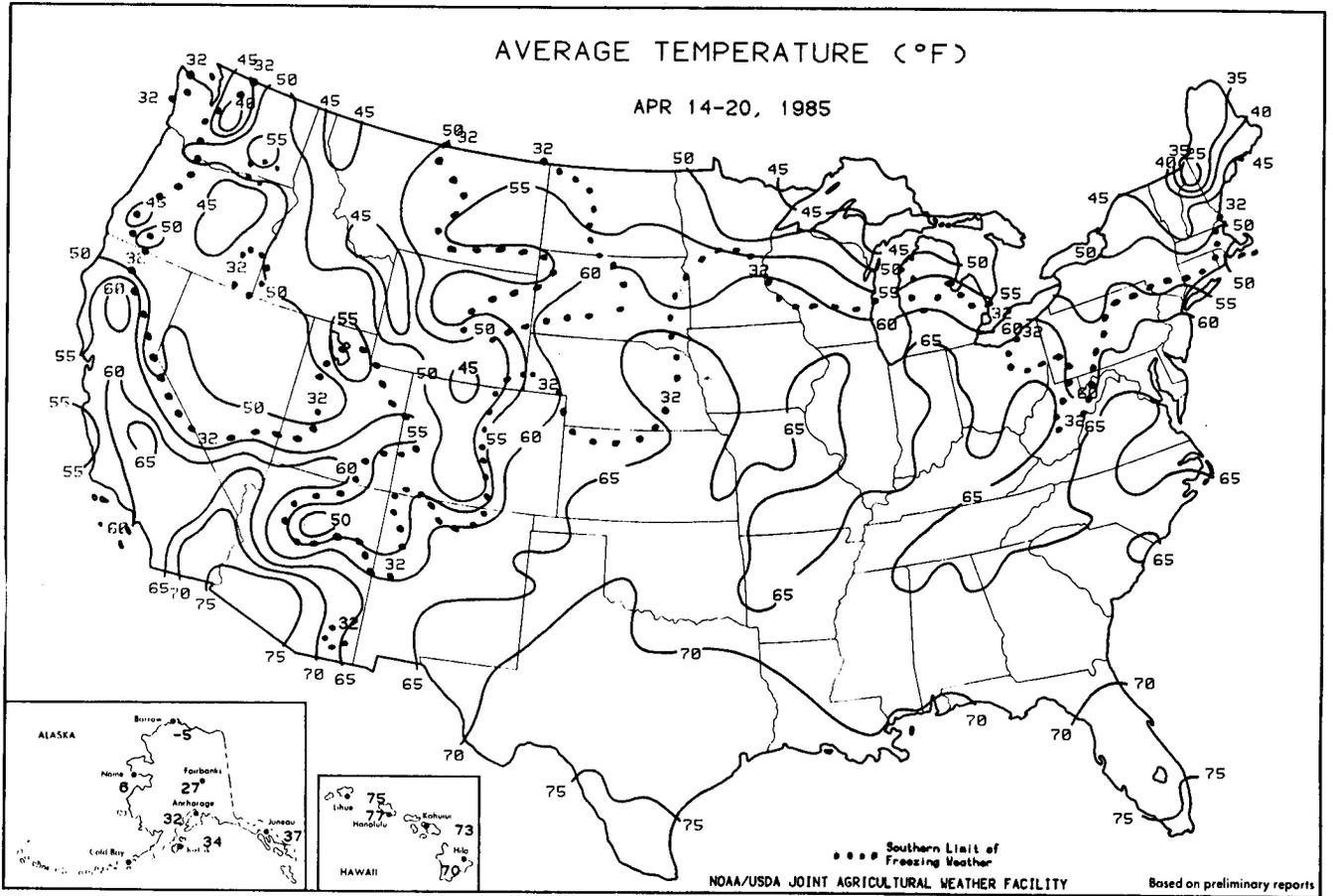


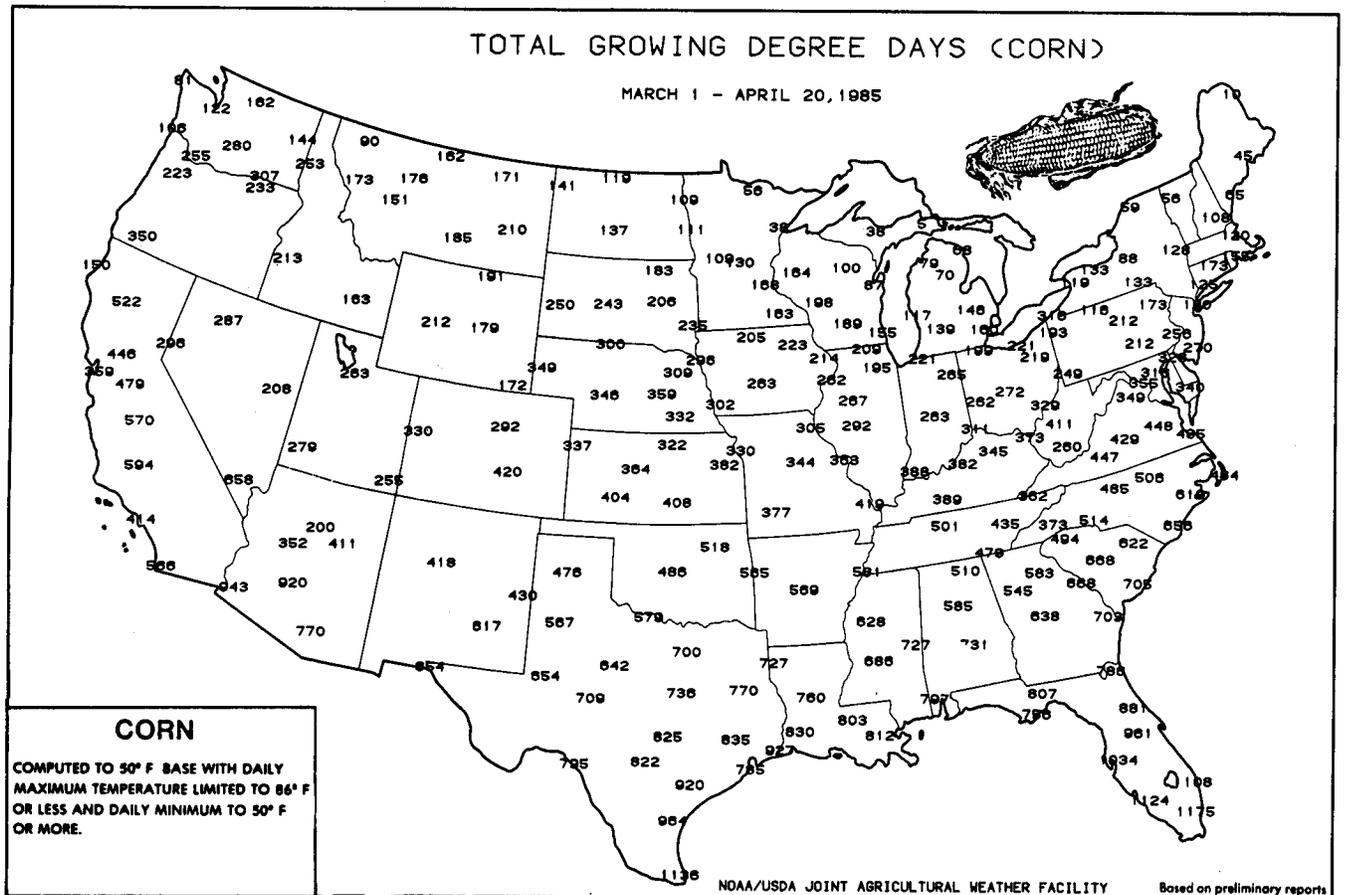
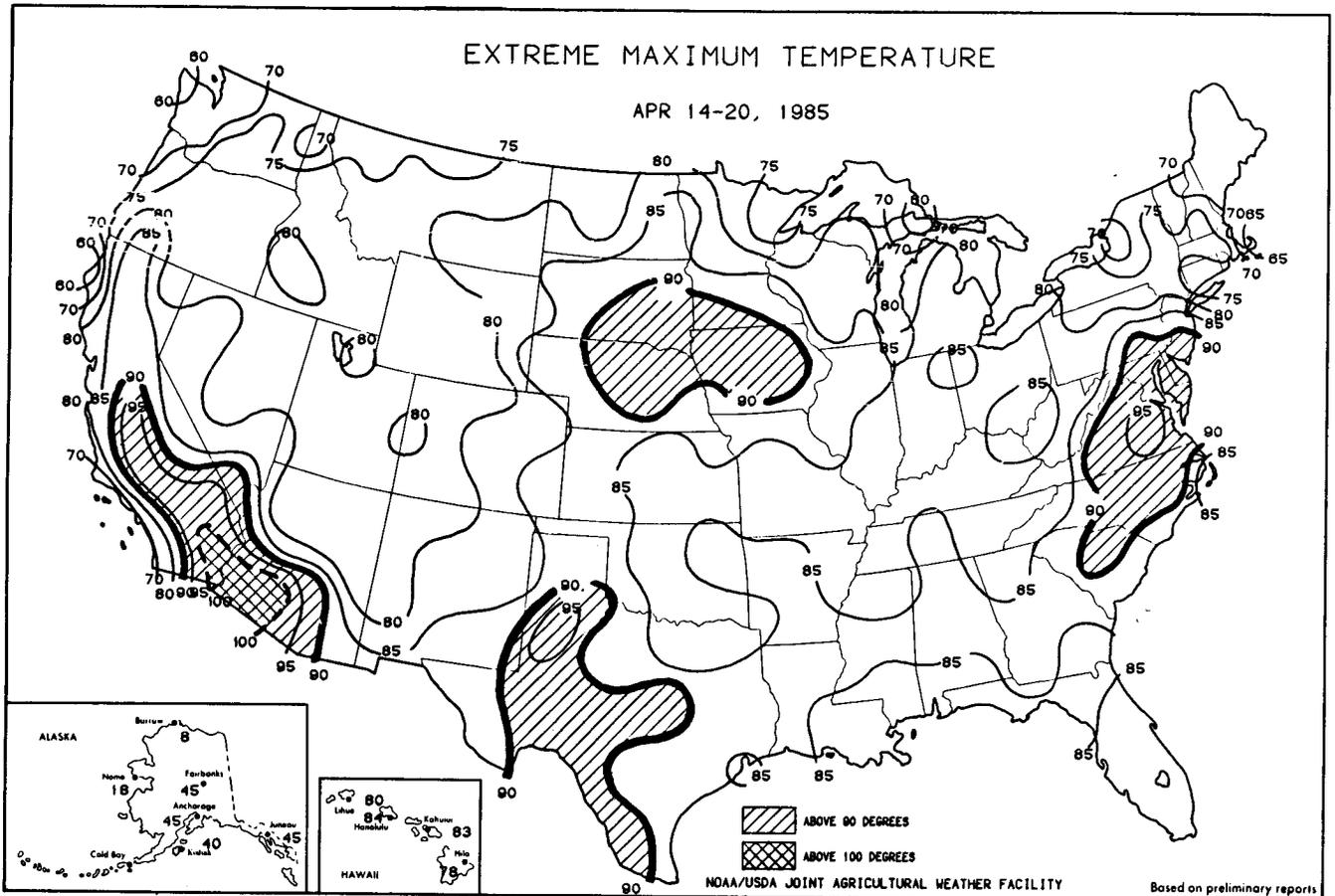
UNUSUALLY WARM AIR DOMINATES THE AREA EAST OF THE PLAINS, NORMALLY WARM AIR COVERS THE SOUTHWEST, AND THE COLD AIR REMAINS TO THE NORTH OF THE FRONTAL SYSTEMS.

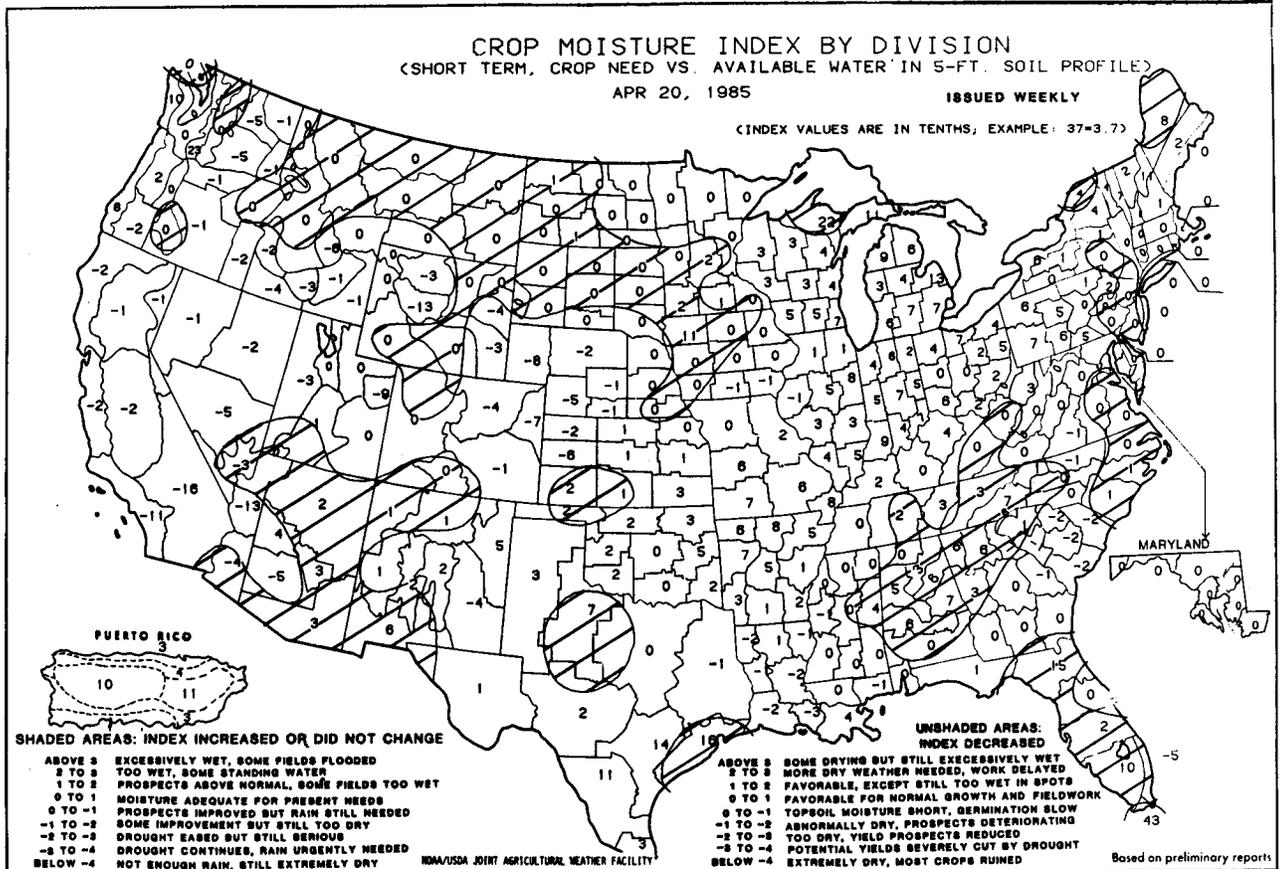
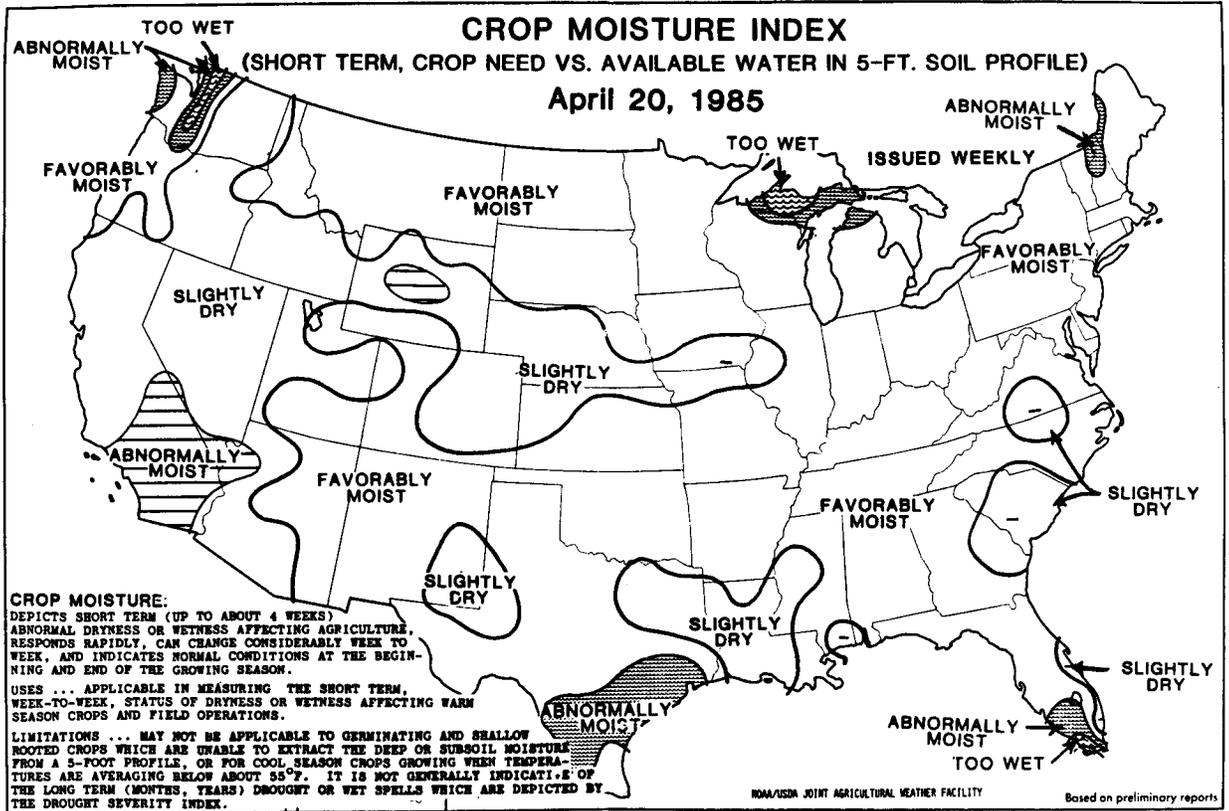
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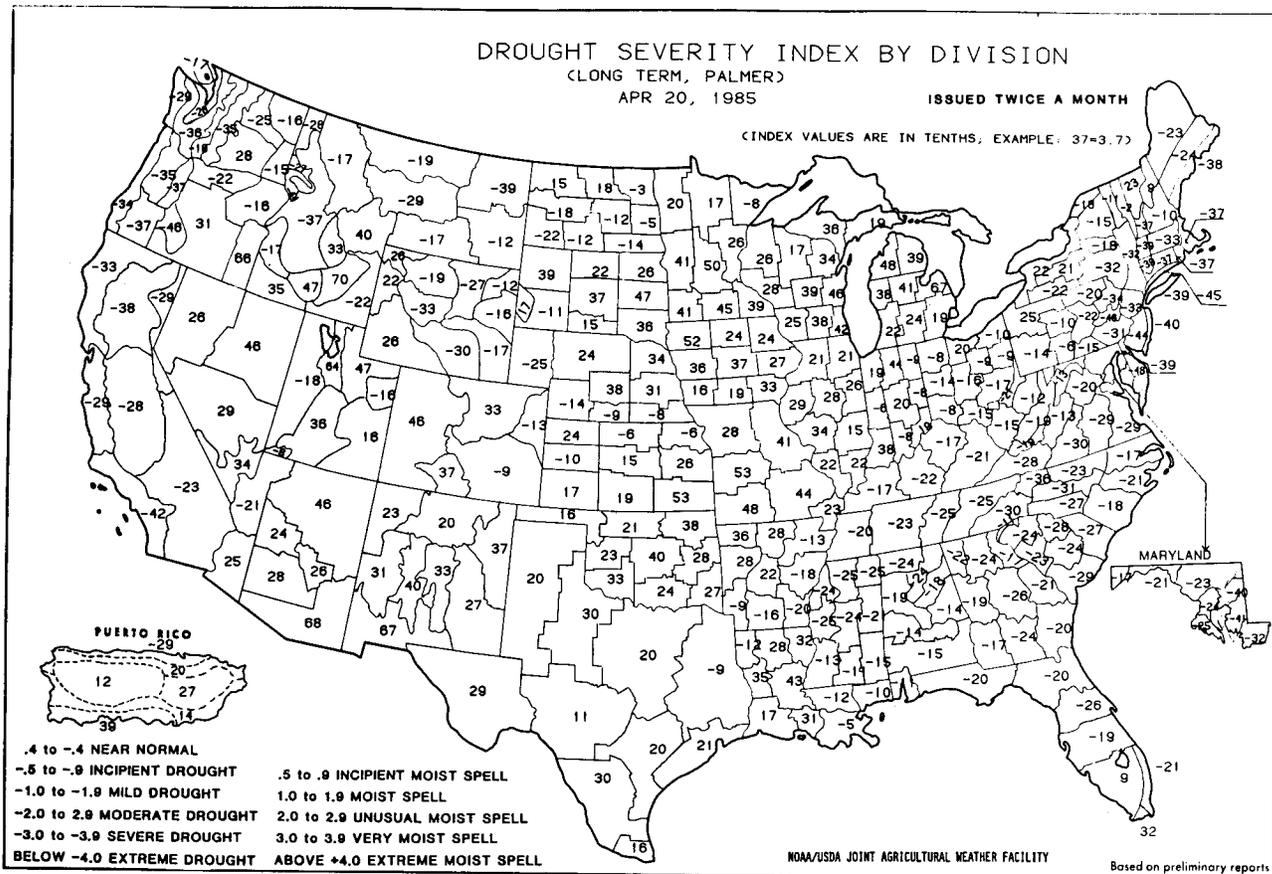
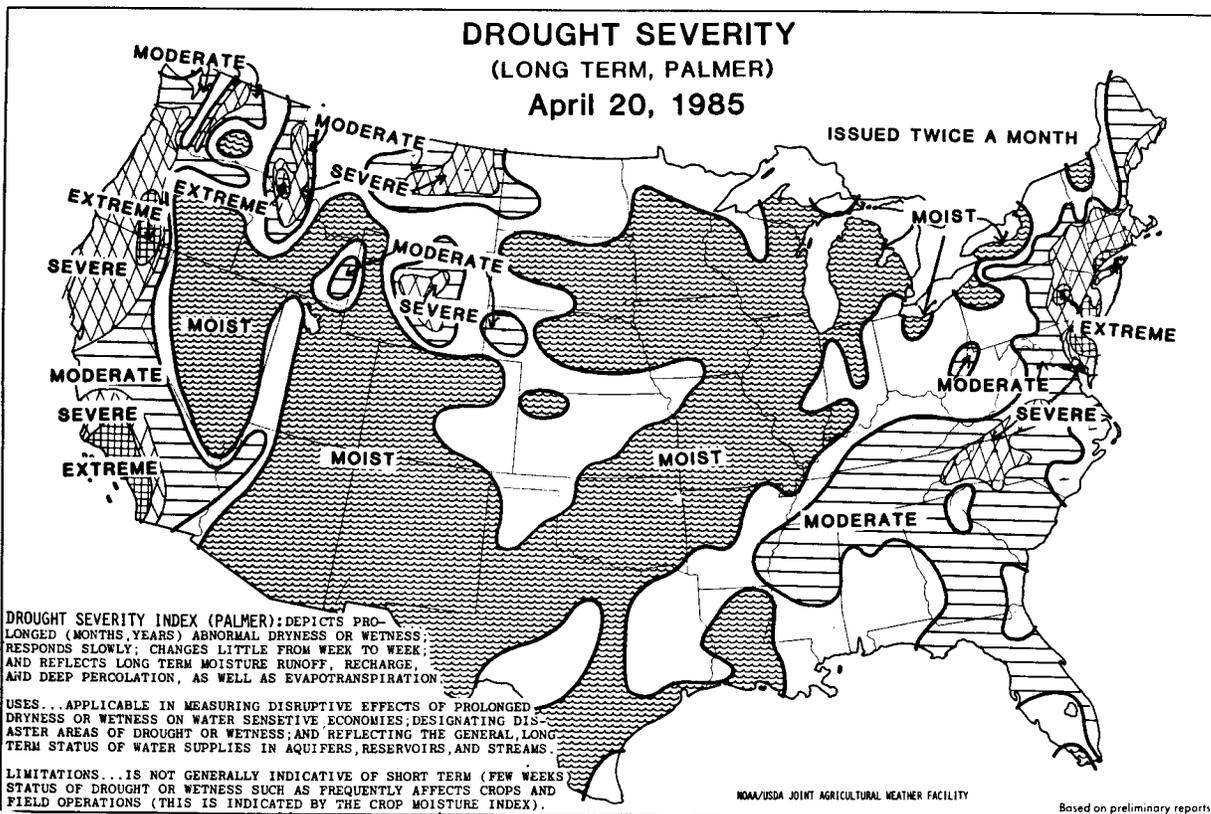
- \* SNOW
- RAIN
- ▽ RAINSHOWERS
- ⚡ THUNDERSTORMS
- PRECIPITATION AREAS

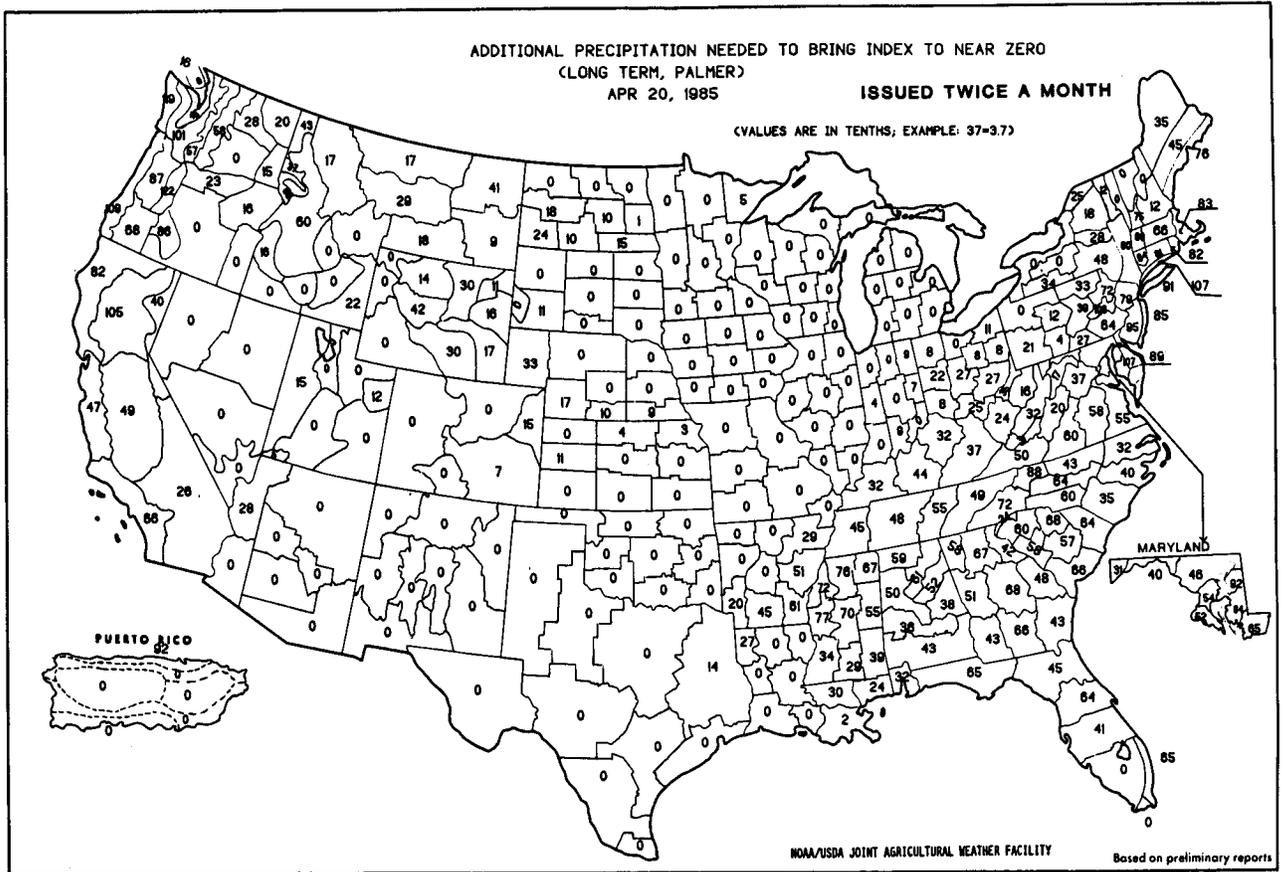












Weather Data for the Week Ending April 20, 1985

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	78	53	85	47	65	2	1.0	-.1	.8	3.4	34	13.2	66	92	43	0	0	2	1
MOBILE	82	56	84	53	69	1	.3	-.9	.2	6.0	60	17.5	89	91	38	0	0	2	0
MONTGOMERY	81	56	86	52	68	3	2.1	1.1	1.2	5.1	57	17.4	98	94	47	0	0	2	2
AK ANCHORAGE	40	24	45	8	32	-4	T	-.2	T	1.4	118	2.9	100	84	52	0	7	0	0
BARROW	1	-11	8	-19	-5	-4	T	-.1	T	.2	49	.3	38	76	55	0	7	0	0
FAIRBANKS	40	14	45	-7	27	-5	-.1	0	.1	.9	161	1.9	127	79	36	0	7	2	0
JUNEAU	41	32	45	29	37	-3	T	-.6	T	.3	5	1.2	10	93	62	0	4	0	0
KODIAK	38	29	40	26	34	-5	2.5	1.4	1.3	9.8	142	25.5	119	91	59	0	6	4	0
NOME	14	-3	18	-11	6	-12	-.1	-.1	-.1	1.6	154	2.7	117	87	64	0	7	1	0
AZ PHOENIX	90	63	100	54	76	8	T	-.1	T	.5	44	1.6	67	47	13	4	0	0	0
PRESCOTT	69	43	81	35	56	7	-.1	-.1	-.1	1.8	85	4.5	85	65	25	0	0	2	0
TUCSON	87	55	94	43	71	6	0	0	0	.2	22	3.0	125	39	11	3	0	0	0
YUMA	89	63	105	56	76	5	T	0	T	.3	13	.3	30	47	19	3	0	0	0
AR FORT SMITH	79	53	85	44	66	4	0	-1.0	0	8.4	126	15.7	143	88	39	0	0	0	0
LITTLE ROCK	78	56	85	50	67	4	-.5	-.8	-.5	6.7	80	13.0	82	84	43	0	0	1	0
CA BAKERSFIELD	75	52	99	43	64	1	T	-.1	T	.5	37	1.4	41	74	28	2	0	0	0
EUREKA	55	45	58	41	50	1	-.3	-.3	-.2	5.0	70	9.4	48	88	74	0	0	3	0
FRESNO	75	54	98	49	65	4	-.1	-.2	-.1	1.9	75	3.0	47	72	31	1	0	1	0
LOS ANGELES	64	54	68	52	59	-1	T	-.2	T	.7	29	3.3	41	78	50	0	0	0	0
RED BLUFF	71	51	88	46	61	2	-.1	-.1	-.1	3.1	90	4.7	42	72	36	0	0	2	0
SACRAMENTO	68	47	88	42	58	-1	T	-.3	T	2.0	66	4.2	42	97	51	0	0	0	0
SAN DIEGO	66	58	69	55	62	1	-.2	-.1	-.2	.9	39	2.1	37	83	58	0	0	2	0
SAN FRANCISCO	65	49	84	45	57	2	-.1	-.3	-.1	3.3	88	6.4	55	88	54	0	0	1	0
CO DENVER	74	43	84	32	59	11	T	-.4	T	.7	32	2.0	57	53	15	0	1	1	0
GRAND JUNCTION	71	45	82	35	58	6	1.0	-.8	-.6	1.9	161	2.7	113	64	27	0	0	3	1
PUEBLO	80	39	85	33	60	8	0	-.2	0	.7	52	1.6	89	58	13	0	0	0	0
CT BRIDGEPORT	59	44	74	38	51	2	T	-.8	T	2.4	37	5.3	42	85	54	0	0	1	0
HARTFORD	63	39	74	27	51	2	-.2	-.8	-.1	3.1	45	5.6	41	76	35	0	1	2	0
DC WASHINGTON	77	55	91	46	66	9	T	-.6	T	1.8	34	7.0	65	74	39	1	0	0	0
FL APALACHICOLA	77	57	80	52	67	-2	-.1	-.6	-.1	3.4	54	10.8	80	91	59	0	0	2	0
DAYTONA BEACH	79	61	85	57	70	0	-.4	-.1	-.4	4.3	94	5.6	57	91	54	0	0	1	0
JACKSONVILLE	79	58	84	54	69	1	-.1	-.7	-.1	3.6	61	6.1	49	99	54	0	0	2	0
KEY WEST	82	72	84	70	77	-1	-.5	-.1	-.5	12.5	568	13.1	222	85	61	0	0	1	0
MIAMI	83	66	87	61	75	-1	1.1	-.4	1.1	3.5	95	3.9	50	88	48	0	0	1	1
ORLANDO	81	62	85	58	71	-1	-.1	-.4	0	6.0	130	8.2	86	100	50	0	0	2	0
TALLAHASSEE	81	56	86	48	68	1	-.6	-.3	-.2	5.6	67	10.2	57	96	47	0	0	4	0
TAMPA	83	64	86	58	73	2	-.2	-.2	-.2	2.6	56	6.7	68	90	44	0	0	1	0
WEST PALM BEACH	81	67	88	61	74	0	1.1	-.4	1.0	6.4	138	7.7	77	89	54	0	0	3	1
GA ATLANTA	77	56	84	47	66	4	-.7	-.3	-.6	3.3	37	12.4	68	85	38	0	0	2	1
AUGUSTA	82	53	89	49	68	4	-.2	-.6	-.1	1.8	26	11.7	77	96	40	0	0	2	0
MACON	80	55	86	50	67	2	-.3	-.5	-.2	2.2	29	10.1	62	97	43	0	0	2	0
SAVANNAH	80	56	85	54	68	2	-.1	-.6	0	2.9	50	4.8	40	92	47	0	0	3	0
HI HILO	76	65	78	63	70	-2	5.5	2.3	1.6	30.8	137	49.1	108	95	69	0	0	6	5
HONOLULU	83	70	84	69	77	1	T	-.3	T	1.3	28	6.6	59	78	52	0	0	1	0
KAHULUI	80	66	83	65	73	-1	-.1	-.1	-.1	2.3	59	4.7	41	89	54	0	0	1	0
LIHUE	79	71	80	69	75	1	-.4	-.3	-.3	2.7	40	12.7	76	76	58	0	0	2	0
ID BOISE	64	38	83	20	51	2	-.5	-.2	-.4	1.5	80	2.2	49	76	30	0	2	2	0
LEWISTON	61	43	78	31	52	1	-.6	-.3	-.3	1.4	80	2.3	58	80	36	0	1	3	0
POCATELLO	67	39	78	27	53	8	-.1	-.2	0	1.6	93	3.2	86	69	21	0	2	2	0
IL CHICAGO	73	51	87	37	62	13	-.2	-.8	-.2	5.6	111	10.6	133	89	51	0	0	1	0
MOLINE	78	53	87	39	65	14	T	-.9	T	5.8	108	9.5	114	64	38	0	0	0	0
PEORIA	76	53	85	41	65	13	T	-.9	T	6.5	121	10.1	120	84	42	0	0	1	0
QUINCY	77	53	86	44	65	11	0	-.9	0	3.6	64	7.9	93	77	43	0	0	0	0
ROCKFORD	78	50	87	37	64	15	T	-1.0	T	4.4	81	7.2	90	82	39	0	0	2	0
SPRINGFIELD	75	53	85	40	64	10	-.2	-.8	-.2	5.3	90	8.9	97	86	47	0	0	2	0
IN EVANSVILLE	76	52	83	44	64	7	1.0	-.1	-.9	8.0	110	14.0	105	88	48	0	0	2	1
FORT WAYNE	79	53	86	40	66	16	T	-.8	T	5.2	98	10.8	116	79	38	0	0	0	0
INDIANAPOLIS	76	52	82	44	64	11	-.6	-.3	-.5	8.0	131	13.0	116	84	46	0	0	3	1
SOUTH BEND	75	54	84	43	65	16	-.1	-.9	-.1	5.7	97	12.5	121	76	42	0	0	2	0
IA DES MOINES	78	51	90	35	65	13	0	-.8	0	3.4	81	6.1	95	80	37	1	0	0	0
STIOUX CITY	82	51	91	38	67	16	-.5	0	-.4	2.8	90	3.3	70	74	30	1	0	2	0
WATERLOO	77	50	91	33	64	16	0	-.8	0	3.1	70	5.0	79	66	32	1	0	0	0
KS CONCORDIA	77	50	83	38	64	10	-.2	-.4	-.2	2.0	61	4.0	85	97	47	0	0	1	0
DODGE CITY	81	49	86	35	65	10	0	-.4	0	1.9	74	4.2	117	79	24	0	0	0	0
GOODLAND	79	44	85	34	62	12	-.1	-.2	-.1	.4	24	1.1	46	66	18	0	0	1	0
TOPEKA	78	52	87	38	65	10	-.2	-.6	-.2	4.4	106	7.2	118	90	44	0	0	1	0
WICHITA	78	53	83	43	66	9	T	-.5	T	2.2	65	4.6	92	91	45	0	0	0	0
KY BOWLING GREEN	76	54	83	50	65	7	-.5	-.5	-.3	3.6	43	7.9	47	96	49	0	0	2	0
LEXINGTON	76	52	82	45	64	8	T	-.9	T	4.5	59	7.5	52	79	46	0	0	1	0
LOUISVILLE	78	54	85	49	66	9	-.6	-.4	-.4	5.7	75	9.9	70	88	43	0	0	2	0
LA ALEXANDRIA	82	58	85	53	70	3	0	-1.3	0	3.6	42	15.7	83	87	41	0	0	0	0
BATON ROUGE	81	57	83	54	69	0	-.2	-1.1	-.2	4.6	56	15.1	85	95	44	0	0	2	0
LAKE CHARLES	84	59	86	55	72	3	T	-1.0	T	3.6	64	13.8	101	99	44	0	0	1	0
NEW ORLEANS	80	58	82	55	69	0	-.6	-.4	-.3	8.1	106	22.1	123	87	45	0	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 20, 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 °F		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	82	56	85	49	69	3	0	-1.1	0	4.6	67	11.4	80	97	42	0	0	0	0
ME CARIBOU	46	25	66	8	35	-2	.9	-1.2	.4	3.4	83	7.1	83	73	41	0	6	3	0
PORTLAND	54	33	66	23	44	1	.4	-1.6	.3	4.3	65	6.9	49	84	34	0	2	2	0
MD BALTIMORE	76	50	91	38	63	8	T	-1.8	T	2.5	43	7.5	63	71	36	1	0	0	0
SALISBURY	76	50	92	38	63	8	T	-1.7	T	2.9	46	8.6	66	95	50	2	0	1	0
MA BOSTON	59	41	71	36	50	1	.1	-1.8	0	3.5	52	6.4	44	84	35	0	0	2	0
CHATHAM	54	41	57	40	47	1	25.0	24.1	20.0	30.3	457	33.9	225	--	--	0	0	2	2
MI ALPENA	63	35	83	26	49	8	.1	-1.5	.1	4.8	135	9.2	142	98	49	0	2	3	0
DETROIT	71	45	82	33	58	10	.1	-1.6	.1	6.1	130	12.6	154	88	40	0	0	1	0
FLINT	70	47	82	33	59	12	.3	-1.5	.3	7.2	173	12.2	169	87	44	0	0	1	0
GRAND RAPIDS	72	50	82	35	61	14	.3	-1.5	.2	6.4	132	11.6	140	95	51	0	0	4	0
HOUGHTON LAKE	64	40	80	29	52	9	.4	-1.2	.3	5.5	153	9.1	142	93	45	0	1	3	0
LANSING	71	47	82	33	59	12	.5	-1.2	.4	6.1	144	11.1	146	91	47	0	0	3	0
MARQUETTE	56	33	81	23	45	6	3.2	2.3	3.0	10.7	207	16.5	183	96	49	0	5	3	1
MUSKEGON	69	48	78	36	59	13	.3	-1.5	.2	5.3	113	10.6	122	81	47	0	0	3	0
SAULT STE. MARIE	45	32	56	25	39	0	1.7	1.1	.6	6.6	183	12.0	160	99	67	0	4	5	2
MN ALEXANDRIA	71	42	83	33	56	13	.3	-1.2	.3	2.3	88	3.2	78	87	31	0	0	1	0
DULUTH	59	34	74	29	46	7	.2	-1.3	.1	2.3	72	3.3	62	92	45	0	3	4	0
INT'L FALLS	63	33	76	21	48	9	T	-1.4	T	1.1	50	2.1	57	90	41	0	4	0	0
MINNEAPOLIS	74	47	89	35	61	13	T	-1.5	T	4.7	157	6.1	130	70	35	0	0	3	0
ROCHESTER	73	47	89	33	60	14	T	-1.6	T	2.8	84	4.0	83	78	35	0	0	0	0
MS GREENWOOD	78	55	85	46	66	2	.4	-1.9	.3	3.6	36	10.4	53	95	46	0	0	2	0
JACKSON	80	52	85	49	66	1	.2	-1.2	.2	4.5	46	16.0	83	96	40	0	0	2	0
MERIDIAN	80	52	85	49	66	1	.6	-1.6	.4	4.8	46	14.1	71	100	47	0	0	2	0
MO CAPE GIRARDEAU	76	56	83	51	66	--	1.3	-1.3	1.3	9.3	115	15.3	109	92	54	0	0	1	1
COLUMBIA	76	53	84	44	64	9	T	-1.9	T	4.5	79	11.8	130	84	45	0	0	0	0
KANSAS CITY	76	52	86	37	64	8	0	-1.8	0	3.2	71	6.8	101	83	43	0	0	0	0
SAINT LOUIS	76	56	87	48	66	9	.3	-1.6	.3	7.8	137	12.1	127	80	46	0	0	1	0
SPRINGFIELD	75	51	82	41	63	6	T	-1.0	T	9.5	155	15.3	156	84	47	0	0	0	0
MT BILLINGS	68	42	80	33	55	10	T	-1.5	T	2.3	100	3.0	75	60	21	0	0	0	0
GLASGOW	66	42	75	34	54	11	.3	-1.1	.3	.8	84	.9	53	74	25	0	0	2	0
GREAT FALLS	63	38	78	30	50	7	.1	-1.3	.1	1.3	69	1.8	50	69	28	0	2	2	0
HAYVE	63	40	73	33	52	8	T	-1.3	T	1.4	116	1.8	82	73	27	0	0	1	0
HELENA	60	37	77	29	48	5	.2	0	.1	.7	53	1.3	54	78	29	0	2	2	0
KALISPELL	55	36	72	31	45	2	.4	-1.1	.2	1.3	87	2.9	69	71	42	0	2	3	0
MILES CITY	70	43	83	36	57	11	.3	-1.1	.3	1.5	105	1.7	68	76	32	0	0	2	0
MISSOULA	61	36	78	27	49	4	.3	-1.1	.3	.9	64	1.8	49	89	33	0	1	2	0
NE GRAND ISLAND	84	48	93	29	66	15	.1	-1.5	.1	1.3	39	1.8	40	71	21	2	1	2	0
LINCOLN	82	48	88	36	65	13	.2	-1.5	.2	1.6	42	2.4	44	88	36	0	0	1	0
NORFOLK	84	49	92	31	67	17	.2	-1.3	.2	1.9	65	2.3	55	80	24	2	1	2	0
NORTH PLATTE	83	44	89	29	63	15	.3	-1.2	.3	.8	37	1.5	47	74	16	0	1	1	0
OMAHA	79	52	88	39	66	14	.3	-1.4	.3	2.1	57	3.2	60	75	40	0	0	1	0
SCOTT'SBLUFF	79	39	87	30	59	12	.4	0	.4	.9	48	1.7	65	60	17	0	1	1	0
VALENTINE	81	43	91	29	62	15	.6	-1.2	.6	1.6	82	2.2	81	68	21	1	1	2	1
NV ELY	64	32	78	16	48	6	T	-1.2	T	1.1	73	2.0	69	72	24	0	3	1	0
LAS VEGAS	78	54	93	47	66	2	.3	-1.3	.3	.4	64	.6	40	49	16	2	0	1	0
RENO	65	39	84	28	52	5	T	-1.1	T	1.1	105	2.0	63	69	24	0	2	0	0
WINNEMUCCA	66	32	84	24	49	3	T	-1.2	T	.8	64	2.3	82	76	23	0	3	2	0
NH CONCORD	57	35	76	26	46	1	.3	-1.4	.2	3.9	79	6.8	67	88	35	0	2	2	0
NJ ATLANTIC CITY	72	48	92	35	60	9	.3	-1.5	.3	2.9	46	6.6	50	88	43	1	0	1	0
NM ALBUQUERQUE	77	45	81	41	61	5	.3	-1.2	.3	1.0	123	2.0	125	67	14	0	0	1	0
CLOVIS	79	49	82	43	64	7	T	-1.2	T	2.4	229	4.0	190	66	18	0	0	1	0
ROSWELL	85	51	88	45	68	6	.1	0	.1	.9	191	1.2	120	69	17	0	0	1	0
NY ALBANY	62	38	78	28	50	2	.3	-1.4	.1	4.9	99	6.9	72	90	43	0	2	4	0
BINGHAMTON	66	42	75	26	54	9	.5	-1.2	.5	4.5	90	7.1	72	84	43	0	1	2	0
BUFFALO	67	41	76	27	54	8	.6	-1.1	.6	5.6	112	13.2	126	82	41	0	1	2	1
NEW YORK	63	48	84	43	56	3	.4	-1.5	.2	3.5	52	6.1	47	84	49	0	0	2	0
ROCHESTER	66	41	76	29	54	7	.8	-1.1	.7	4.8	111	9.1	102	82	47	0	1	2	1
SYRACUSE	58	39	70	27	48	2	.6	-1.2	.5	3.7	68	7.7	73	94	57	0	1	4	0
NC ASHEVILLE	73	48	83	42	60	4	1.3	-1.5	1.0	3.4	44	11.1	75	98	46	0	0	3	1
CHARLOTTE	75	52	88	49	64	3	.9	-1.2	.5	1.9	27	11.2	76	92	41	0	0	3	1
GREENSBORO	78	52	90	45	65	6	.6	-1.1	.5	1.4	23	9.5	74	85	38	1	0	2	0
HATTERAS	71	57	81	48	64	5	.6	-1.1	.6	3.0	49	12.9	87	92	60	0	0	3	1
NEW BERN	78	55	91	45	66	4	1.0	-1.3	.7	4.0	72	11.5	85	93	54	2	0	3	1
RALEIGH	77	52	90	40	64	4	.6	-1.1	.5	1.7	30	10.9	87	80	40	1	0	2	0
WILMINGTON	79	55	88	45	67	3	.4	-1.2	.2	2.2	37	9.3	71	90	45	0	0	2	0
ND BISMARCK	69	35	79	31	52	8	1.5	1.1	1.0	2.4	148	2.7	104	91	25	0	2	3	1
FARGO	70	38	85	26	54	11	T	-1.5	T	1.7	83	2.1	70	80	30	0	2	0	0
GRAND FORKS	69	39	85	32	54	12	.1	-1.2	.1	1.8	113	2.5	86	85	36	0	1	1	0
WILLISTON	67	40	78	35	54	11	1.0	-1.7	1.0	2.2	165	2.6	108	74	26	0	0	3	1
OH AKRON-CANTON	73	47	82	31	60	11	T	-1.7	T	5.4	97	8.5	83	74	35	0	1	1	0
CINCINNATI	76	53	83	43	65	11	T	-1.8	T	8.2	129	12.1	100	81	42	0	0	1	0
CLEVELAND	74	49	83	33	61	13	T	-1.8	T	6.1	117	10.5	106	72	36	0	0	1	0
COLUMBUS	77	49	84	35	63	11	T	-1.8	T	4.4	81	7.4	71	71	34	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 20, 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
DAYTON	76	51	84	36	64	12	T	-.8	T	5.9	111	9.7	97	63	37	0	0	0	0
TOLEDO	76	48	85	37	62	13	0	-.7	0	7.0	149	12.2	144	87	37	0	0	0	0
YOUNGSTOWN	73	48	82	29	60	12	.1	-.7	.1	6.3	112	8.4	79	78	37	0	1	2	0
OK OKLAHOMA CITY	79	57	83	49	68	7	0	0	0	7.3	196	12.0	200	82	43	0	0	0	0
TULSA	78	57	86	48	67	6	T	-1.0	T	6.7	116	13.6	153	87	40	0	0	0	0
OR ASTORIA	54	42	61	36	48	0	.5	-.6	.3	7.8	73	12.5	42	94	65	0	0	3	0
BURNS	59	31	78	18	45	2	T	-.1	T	1.0	134	1.7	106	41	40	0	0	3	0
MEDFORD	64	42	86	35	53	3	.2	0	.1	1.5	56	3.3	41	87	40	0	0	3	0
PENDLETON	60	41	76	32	51	0	.1	-.1	.1	1.3	75	3.0	67	75	36	0	1	1	0
PORTLAND	59	45	71	39	52	1	.4	-.1	.2	3.5	67	5.3	35	89	55	0	0	3	0
SALEM	59	40	73	34	49	0	.2	-.3	.2	4.0	66	7.6	43	91	51	0	0	3	0
PA ALLENTOWN	70	48	86	36	59	8	.1	-.8	.1	2.0	31	5.1	40	75	38	0	0	3	0
ERIE	70	46	81	32	58	12	.1	-.7	.1	6.3	119	11.6	117	82	45	0	1	2	0
HARRISBURG	74	51	90	40	63	10	T	-.7	T	3.4	60	7.3	65	77	39	1	0	2	0
PHILADELPHIA	72	49	90	41	61	7	T	-.8	T	2.3	37	6.3	52	79	41	1	0	1	0
PITTSBURGH	75	48	83	32	61	10	.3	-.4	.2	4.7	82	7.6	69	74	34	0	1	2	0
SCRANTON	68	46	79	32	57	8	.5	-.2	.3	3.7	79	5.8	64	82	44	0	1	4	0
RI PROVIDENCE	63	43	77	32	53	4	.1	-.8	.1	4.3	62	7.2	49	79	34	0	1	2	0
SC CHARLESTON	80	58	85	54	69	4	T	-.5	T	1.9	31	5.4	42	86	45	0	0	1	0
COLUMBIA	81	54	90	49	67	3	.3	-.5	.1	1.6	21	12.0	75	98	43	1	0	3	0
FLORENCE	79	54	90	47	67	3	.2	-.5	.1	.9	15	7.9	60	98	43	1	0	3	0
GREENVILLE	73	54	86	52	64	3	.6	-.4	.5	2.4	27	11.6	66	94	53	0	0	3	0
SD ABERDEEN	76	41	89	31	59	13	.3	-.2	.3	2.4	106	2.7	79	85	28	0	1	2	0
HURON	78	41	91	31	59	13	.8	-.3	.6	4.8	195	5.3	143	82	29	1	2	2	0
RAPID CITY	76	46	84	36	61	15	T	-.5	T	1.7	75	2.2	67	58	23	0	0	1	0
SIoux FALLS	79	47	92	37	63	16	.6	0	.3	4.3	139	4.8	107	76	30	2	0	2	1
TN CHATTANOOGA	77	51	84	49	64	3	1.6	.6	1.1	4.8	51	13.2	68	89	44	0	0	2	1
KNOXVILLE	78	47	84	44	62	2	1.2	-.3	1.1	4.2	51	11.5	68	99	50	0	0	3	1
MEMPHIS	77	57	84	49	67	4	.3	-.1	.3	5.7	62	13.6	74	93	53	0	0	2	0
NASHVILLE	78	54	85	51	66	6	1.0	0	.5	4.4	51	10.8	63	91	42	0	0	2	1
TX ABILENE	85	57	88	49	71	5	.4	-.2	.4	3.4	135	5.4	123	79	27	0	0	2	0
AMARILLO	82	51	86	42	66	9	T	-.2	T	2.1	145	3.9	156	66	22	0	0	0	0
AUSTIN	83	63	90	58	73	4	T	-.8	T	3.0	85	6.5	86	87	45	1	0	0	0
BEAUMONT	84	64	89	60	74	5	.2	-.8	.2	6.3	115	16.6	124	98	54	0	0	1	0
BROWNSVILLE	86	66	89	60	76	1	T	-.4	T	2.2	148	4.2	98	89	49	0	0	0	0
CORPUS CHRISTI	82	65	88	60	74	0	T	-.5	T	4.9	242	10.4	200	96	55	0	0	0	0
DEL RIO	85	62	93	55	74	1	T	-.5	T	2.1	116	3.7	116	81	33	2	0	0	0
EL PASO	85	53	89	48	69	5	T	0	T	.6	134	1.7	131	53	13	0	0	0	0
FORT WORTH	81	59	84	50	70	3	0	-.9	0	4.8	101	8.2	99	89	47	0	0	0	0
GALVESTON	77	67	81	61	72	2	.7	0	.7	6.4	169	14.7	162	91	62	0	0	1	1
HOUSTON	83	62	88	57	72	3	2.7	1.7	2.7	8.5	158	15.9	135	92	45	0	0	1	1
LUBBOCK	87	52	97	46	70	9	T	-.2	T	1.2	77	1.8	72	78	17	1	0	0	0
MIDLAND	88	55	92	47	72	7	.1	-.1	.1	.8	87	2.3	121	76	17	4	0	1	0
SAN ANGELO	88	57	94	47	73	5	T	-.4	T	1.7	93	2.8	85	83	25	3	0	0	0
SAN ANTONIO	83	62	88	54	72	2	T	-.7	T	5.1	171	9.7	152	87	45	0	0	1	0
VICTORIA	83	64	88	58	73	2	5.0	4.4	5.0	13.4	469	18.8	269	95	54	0	0	1	1
WACO	84	58	90	50	71	4	T	-.9	T	2.8	64	5.4	68	89	44	1	0	0	0
WICHITA FALLS	83	54	86	48	68	4	.2	-.5	.2	4.5	123	8.1	145	88	41	0	0	0	0
UT BLANDING	66	39	77	30	53	5	.8	-.7	.8	2.7	213	4.3	123	72	32	0	1	2	1
CEDAR CITY	65	40	78	33	53	5	.2	0	.2	2.6	151	3.7	116	73	34	0	0	2	0
SALT LAKE CITY	71	48	85	37	60	10	.3	-.3	.3	2.1	66	3.9	66	62	25	0	0	2	0
VT BURLINGTON	55	33	74	23	44	1	.8	-.1	.8	4.2	103	6.9	91	81	40	0	4	2	1
VA NORFOLK	75	54	92	40	64	6	.3	-.3	.2	2.5	43	10.0	78	83	47	1	0	2	0
RICHMOND	80	53	95	39	66	8	.4	-.2	.2	2.4	44	9.2	78	85	36	2	0	3	0
ROANOKE	80	55	90	42	68	11	.9	-.2	.9	2.9	50	9.0	76	78	36	1	0	2	1
WA COLVILLE	59	39	73	25	49	2	.3	0	.3	1.1	60	3.5	64	80	47	0	1	1	0
QUILLAYUTE	53	38	60	30	46	-1	.6	-1.0	.4	11.7	71	19.8	45	98	57	0	1	4	0
SEATTLE-TACOMA	55	42	62	36	49	0	.1	-.5	0	2.8	53	6.0	38	90	52	0	0	4	0
SPOKANE	56	39	70	26	48	1	.1	-.1	.1	1.5	74	2.8	46	86	37	0	1	3	0
YAKIMA	64	37	78	22	51	1	T	-.1	T	.6	59	1.4	44	71	26	0	3	0	0
WV BECKLEY	72	49	81	39	60	8	.3	-.6	.3	3.0	45	7.3	55	81	39	0	0	1	0
CHARLESTON	81	52	89	40	66	10	.9	-.1	.6	5.7	90	11.1	86	75	32	0	0	3	1
HUNTINGTON	79	53	88	42	66	10	.4	-.4	.4	4.2	66	10.3	82	83	33	0	0	2	0
PARKERSBURG	78	51	86	38	65	10	.1	-.7	.1	5.3	87	8.8	68	81	30	0	0	2	0
WI GREEN BAY	66	39	82	31	52	8	.5	-.1	.2	4.5	123	7.9	134	86	47	0	1	4	0
LA CROSSE	75	50	89	33	63	15	T	-.7	T	3.3	85	5.5	96	65	26	0	0	0	0
MADISON	74	48	84	35	61	15	.2	-.6	.2	4.3	104	7.6	121	71	38	0	0	4	0
MILWAUKEE	72	49	86	36	61	15	.2	-.7	.1	5.4	110	9.6	122	84	51	0	0	4	0
WAUSAU	68	41	82	30	55	11	.2	-.5	.1	3.8	101	5.0	89	88	35	0	2	2	0
WY CASPER	69	39	78	33	54	12	.3	-.1	.3	.9	48	2.3	77	66	16	0	0	1	0
CHEYENNE	68	40	76	33	54	12	T	-.3	T	.4	24	1.2	48	71	21	0	0	1	0
LANDER	70	41	78	30	56	13	T	-.5	T	.7	29	1.4	39	49	15	0	0	1	0
SHERIDAN	70	39	80	22	54	11	T	-.5	T	1.0	42	2.1	55	65	21	0	1	1	0
PR SAN JUAN	86	72	87	71	79	0	T	-.8	T	2.1	46	7.2	76	80	52	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

## National Agricultural Summary

4/15 to 4/21/85

**HIGHLIGHTS:** Unseasonably warm temperatures dried soils in most areas, advancing land preparation and seeding. However, soil moisture became short in most areas except the Corn Belt and upper Delta States. Moisture was especially limited in the South Atlantic Coast States. Most of the Nation's farmers had 4-6 days available for fieldwork, but most Corn Belt farmers had less than 4 days available.

Winter wheat was mostly good, ranging from dormant in Minnesota to turning color in Louisiana. Corn was 9 percent (%) planted in the 17 major producing States, 4 points above average. Cotton reached 25% planted, slightly surpassing last year and the average. Sorghum seeding was still limited to the Southern States. Rice seeding was ahead of normal in all States except Texas where it was 29% complete, compared with 28% last year and the 30% average. Rice seeding in Mississippi increased 42 points over last week. Peanut planting progressed normally in all States except Texas, which was 5 points behind normal. Florida's tobacco was completely transplanted, and Georgia's was virtually complete. Transplanting continued in the Carolinas and in Virginia. Pasture and livestock were mostly good, but pastures continued to worsen in areas where moisture was short.

**SMALL GRAINS:** Winter wheat remained mostly good, ranging from dormant in Minnesota to turning color in Louisiana. Moisture shortages slowed wheat growth in the Southeast, but the crop continued greening in the northernmost growing areas.

Kansas' wheat grew rapidly despite competition from cheat, mustard, cress, and other annual weeds. Jointing spread across 60% of the crop, compared with 15% last year and the 35% average. Light freeze damage showed in the south central areas along with light wind damage in the central and south-central areas, but overall condition was good to excellent. Diseases continued. Oats and barley advanced to 97 and 98% seeded, respectively.

In Oklahoma, sunshine and warm temperatures increased wheat growth and enhanced patchy fields. Low-lying yellow and stunted fields plagued with soil-borne Mosaic disease were recovering.

Nebraska wheat was mostly fair to good, but moisture is needed. Weeds infested southern fields while soil-borne Mosaic disease continued in the east central region. Oats reached 98% seeded, compared with 25% last year and the 50% average.

Texas small grains continued progressing despite rust. Winds, along with the removal of moisture from the soil, stressed dryland wheat. Wheat began flowering in the Blacklands, central, and southern areas. Heavy rain severely lodged wheat at the Coastal Bend. Texas wheat was mostly good.

Spring wheat was 27% seeded in the 5 major producing States, 16 points ahead of 1984 and 9 points ahead of the 5-year average. Seeding ranged from 17% complete in North Dakota to 77% complete in South Dakota, where the pace more than doubles the average and was more than 8 times faster than 1984.

**CORN:** Corn in the 17 major producing States was 9% planted compared with 4% last year and the 5% average. Planting surged ahead of both last year and the average in most areas, especially in the Southeast. Planting was 95% complete in Georgia, 93% in South Carolina, 90% in Louisiana, 82% in Mississippi, 80% in Alabama, 78% in Texas, and 75% in North Carolina. Southern corn was fair, but moisture is needed for seed germination and emerged plants.

**COTTON:** Cotton planting continued advancing rapidly in Arizona, California, and New Mexico. Planting was underway in all States but slowed in the Southeast as moisture diminished. Planting was 25% complete in the 14 major producing States, 3 points ahead of last year and the average.

**OTHER CROPS:** All States exceeded or equaled last year's sorghum planting pace. Sorghum planting was restricted mostly to the Southeastern States. Texas planted 58%, compared with 58% in 1984 and 62% normally. Planting slowed in the Texas low plains as producers await additional moisture and was about complete in Central Texas. Texas sorghum was developing about normal in most areas. Sorghum was 46% seeded in Louisiana, 7 points ahead of 1984 and 18 points above average; about half of which emerged and was mostly fair to good.

Rice seeding slowly climbed to 29% finished. Seeding in Texas was 44% complete, normally most is already seeded. Wet soils continued to hamper planting. Mississippi rice leaped from 15% planted last week to 57% complete. Seeding progressed about normal for the other States.

Peanuts were seeded in Alabama, Georgia, Florida, Mississippi, and Texas. Peanut planting progressed normally in all States except Texas which was 5 points behind normal.

Tobacco was completely transplanted in Florida and virtually complete in Georgia. Transplanting continued in South Carolina, North Carolina, and Virginia.

A few soybeans were planted in Georgia.

**FRUITS AND NUTS:** Peaches in most of the eastern half of the Nation were mostly poor to fair. Cold temperatures hit Georgia peach trees, but damage is expected to be light and crop size is expected to be reduced. Texas peach trees set fruit. Leaf-curl damage was light in Cross Timbers and Central Texas, spraying increased. Apples in the Appalachian States and the Southeast began showing the effect of the earlier month freezing temperatures, but damage may not be as heavy as expected earlier.

Southern Florida citrus trees were mostly good; northern trees varied, depending on location. Valencia harvest for processing increased.

Arizona citrus harvest continued with light volumes of lemons and Valencia oranges. Grapefruit harvest picked-up.

California Valencia orange harvest increased, south coast lemon and desert grapefruit harvest continued, and Navel harvest neared completion. Nectarines were thinned and peaches were thinned and sprayed. The hot temperatures damaged cherries. Grape growers pruned canes, and sprayed for mildew and leaf hoppers.

**VEGETABLES:** Florida vegetable shipments gained momentum, up 31% from last week. Watermelon harvest became more active in the Immokalee area; size and quality was good. Spring potato harvest was underway and supplies are expected heavy through May. Volume of most spring crops should increase in the next several weeks.

California lettuce harvest was completed in the Palo Verde Valley and continued active in the San Joaquin Valley. Artichoke and broccoli harvest was heavy along the Central coast. Arizona producers completed spring lettuce and cauliflower harvests in the Yuma area, but lettuce harvest slowed in the Salt River Valley. Other mixed vegetable harvest continued.

Texas vegetable crops grew well--irrigation was  
(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 0.50 in. Temperatures 3 to 5° above normal north, 1 to 3° above south.

Fieldwork: 4.7 days. Soil moisture adequate statewide. Plowing 84% complete. Corn planted 80%, 48% 1984, 52% avg. Wheat heading 57%, 53% 1984, 36% avg. Cotton planted 26%, 12% 1984, 15% avg. Sorghum planted 15%, 8% 1984. Peanut planting 9%, 4% 1984, 10% avg. 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, pastures fair to good; pasture feed short to adequate, stored feed short.

**ARIZONA:** Mostly sunny, warm first part of week. Under influence of a slow moving cold upper level low pressure system remainder of week. Occasional periods of precipitation, amounts under 0.10 in. over southern third; 0.10 to 0.75 in. over central, north. Snow level reached down to 6,500 ft. late on 20th, early on 21st, 1 to 3 in. over Grand Canyon, Flagstaff area. Average temperatures varied from 3 to 8° above seasonal normals.

Cotton 85% planted, 75% 1984, 75% avg. Established stands good condition. Seedbed preparation nearly complete except acreage to follow small grains. Wheat, barley mostly good condition; 98% jointing, 85% heading, 35% turning color. Corn planting making good progress, established stands making good growth. Alfalfa harvest increased. Supplies increased, market remained strong. Prices for current sales good. Stands mostly good condition. Weeds problem some fields. Spring lettuce, cauliflower harvest complete; Zucchini squash harvested Yuma County. Spring lettuce movement slowed Salt River Valley. Other mixed vegetable harvest active. Potato digging expected to begin by April 26th. Citrus harvest light; small volumes lemons, Valencia oranges shipped. Grapefruit volume increased.

**ARKANSAS:** Temperatures averaged above normal, rainfall sparse. Heaviest rainfall east early week. Lowest temperature 34°; highest temperature 88°. Precipitation none to 0.89 in.

Soil moisture adequate. Days suitable for fieldwork 6.0. Major activities land preparation, planting, pasture weed control and fertilization, herd health management. Rice 17% planted, 6% 1984, 11% avg. Cotton 9% planted, 6% 1984, 4% avg. Winter wheat good. Pastures provided average feed. Livestock good condition.

**CALIFORNIA:** Week began with temperatures 10 to 20° above normal over all of State as massive ridge of warm air made it seem like summer. On 15th, ridge replaced by a trough of unseasonable cold air that moved temperatures to normal, then well below normal as trough continued to deepen, snow fell down to 2,000 ft. level in Siskiyou, to 4,000 ft. level in northern Sierra. By week's end, very little precipitation accumulated, temperatures beginning to move upward in a return to near normal conditions for spring. Ideal weather for planting. Riverside County needs rain.

Irrigated, most other dryland small grains look good. Green chopping small grains, baling

oat hay continued. Cotton 75% planted, 90% 1984, 73% avg. Rice 3% planted, 3% 1984, 4% avg. Corn, safflower, sunflower, sugarbeets planted and irrigated. Harvesting overwintered sugarbeets continued. Alfalfa irrigated, baled for hay, green chopped. Spraying alfalfa fields for weevils. Apricot orchards thinned, sprayed brown rot. Cherry damage due to hot weather. Grape growers pruned canes; sprayed for mildew, leaf hoppers. Nectarines, peaches thinned; peaches sprayed. Plum sprayed for codling moth. Walnuts bloomed. Navel orange harvest neared completion. Valencia harvest increased. South coast lemon, desert grapefruit harvest continued. Artichoke harvest heavy central coast. Asparagus harvest full swing. Broccoli harvest heavy central coast. Cantaloup fields blooming desert. Carrot harvest active desert. Cauliflower harvest moderate central coast. Lettuce harvest completed Palo Verde Valley. Cutting active San Joaquin Valley. Strawberry harvest active south coast. Planting tomatoes Sacramento, northern San Joaquin Valleys. Foothill, valley range grasses mature. Stockwater ample. Sheep shearing active; lambs moving to market. Movement livestock summer pastures.

**COLORADO:** High pressure dominated weather, record high temperatures on 16th. Weekend low pressure trough prevail with very strong winds, rain or thunderstorms common.

Warm week prompted development of winter wheat, 21% now jointing, much ahead of last season and average. Corn planted 12%, 1% 1984, 5% avg. Barley 57% seeded, 39% 1984, 54% avg.; 35% emerged, 10% 1984, 19% avg. Seeding of other small grains nearing completion east, getting good start elsewhere. Livestock good condition; 69% of cow herd calved, 64% of ewes lambed.

**FLORIDA:** Showers, few thunderstorms first of week; local amounts of 3.00 in. or more mainly south. Mostly warm, dry rest of week except isolated morning, night showers along Atlantic Coast. Isolated showers elsewhere weekend, amounts under 0.25 in. Temperatures mainly near or above seasonal normals.

Soil moisture short Panhandle, adequate elsewhere. Corn making good progress northern areas, progressing slowly Panhandle. Tobacco planting complete; conditions fair. Peanut planting active, early plantings coming up. Land preparation slowed Panhandle dry weather. Small grains mostly fair. Citrus trees south good condition, trees north of highway 60 variable depending on condition, location. Valencia harvest for processing increased; labor adequate. Grass began growing recent rains, warmer nights. Condition of most pastures improved some, although, mole cricket damage became evident several areas. Pastures mostly good condition south; poor to fair Panhandle, soils remain dry; most fair to good, central, northern areas. More rain needed all areas. Cattle condition improved slightly, varying from fair to good. Cloudy skies, heavy showers early week vegetable areas. Early morning lows mostly 60's to 70's. Daytime highs 70's to 80's. Winds light to moderate, gusty near showers. Overall shipments increased 31% over previous week. Crops gaining: Cabbage, carrots,

cauliflower, celery, Chinese cabbage, sweet corn, eggplant, green peppers, tomatoes, potatoes, watermelons. Crops continued steady: Snap beans, cucumbers, escarole, squash; supplies declined for lettuce, radishes, strawberries. Watermelon cutting became more active Immokalee area; size, quality good. Spring potato digging underway; heavy supplies expected through May. Volume most spring crops expected to gain next several weeks.

**GEORGIA:** Temperatures 3 to 50 above normal north; 1 to 30 above normal central, south. Total precipitation under 0.50 in. most locations; around 1.00 in. below normal north, 0.50 to 0.75 in. below normal central, south. Total rainfall since January 1st 4.00 to 10.00 in. below normal most of State.

Soil moisture 13% very short, 46% short, 41% adequate. Days suitable for fieldwork 5.4. Main activities: Land preparation, planting, insect and weed controls. Corn 95% planted, 82% 1984, 83% avg; 1% poor, 31% fair, 64% good, 4% excellent. Cotton 13% planted, 8% 1984, 24% avg.; 25% fair, 75% good. Peanuts 18% planted, 11% 1984, 17% avg.; 39% fair, 61% good. Tobacco 97%; transplanted, 78% 1984, 90% avg.; 32% fair, 63% good, 5% excellent. Watermelons 96% planted, 86% 1984, 85% avg.; 30% fair, 70% good. Grain sorghum 19% planted, 9% 1984, 11% avg. 38% fair, 62% good. Soybeans 1% planted, 1% 1984, 1% avg. Wheat 99% jointing, 95% 1984; 91% boot, 84% 1984, 69% headed, 61% 1984; 2% very poor, 4% poor, 43% fair, 48% good, 3% excellent; Hessian fly major problem some areas. Rye 1% very poor, 4% poor, 41% fair, 51% good, 3% excellent. Other small grain 1% very poor, 14% poor, 39% fair, 42% good, 4% excellent. Apples 96% bloomed 90% 1984; 9% poor, 29% fair, 59% good, 3% excellent. Peaches 100% bloomed, 100% 1984; 20% very poor, 24% poor, 32% fair, 24% good; earlier cold damage more apparent. Pastures 1% very poor, 1% poor, 38% fair, 54% good, 6% excellent. Cattle 1% very poor, 1% poor, 22% fair, 73% good, 3% excellent. Hogs 1% very poor, 17% fair, 78% good, 4% excellent.

**HAWAII:** Weather varied throughout State, but crops in major growing areas made improved growth, in good condition. Windward and mountainous areas of State experienced cloudy skies, light to moderate rainfall. Leeward section enjoyed mostly sunny skies with only sparse amounts of rainfall. High pressure system north-northeast of State generated gusty trade winds at 10 to 35 mph which caused some light bruising to crops in exposed areas. Temperatures hovered within a degree of normal. Chinese cabbage production will remain heavy with shipments to the U.S. Mainland expected to continue. Head cabbage output will also be heavy. Head lettuce harvesting will be moderate to heavy in volume. Papaya production relatively low. Banana output will be steady. Recent weather unfavorable for fruit development.

**IDAHO:** High pressure dominated weather through middle of week. Fair skies, temperatures averaging well above normal. Cooling trend last part of week brought below normal temperatures by 19th. Very light precipitation reported until 16th when pacific system brought rain from central mountains northward. Another system moved across State late on 18th into 19th. Brought moderate amounts of precipitation to all but southeast part of State light precipitation fell.

Soil moisture adequate. Days suitable for fieldwork 5.0. Spring wheat planted 30%, 26%

1984, 42% avg. Spring barley planted 22%, 16% 1984, 32% avg. Oats planted 20%. Sugarbeets planted 38%, 44% 1984, 52% avg. Onion planted 100%, 68% 1984, 73% avg. Dry peas planted 6%, 9% 1984, 20% avg. Lentils planted 8%, 23% avg. Potatoes planted 3%, 8% 1984, 9% avg. Calving completed 80%, lambing complete 90%. Fruit trees in excellent condition prior to freezing weather on 19th, 20th, 21st. Damage appears 10% or less. Less spring time fruit thinning required. Late week snow north, east further delayed tillage, planting. Crop, livestock condition good. Irrigation water supply good to excellent. Hay, roughage, winter wheat conditions fair to good. Hay crops better than normal. Alfalfa looks good.

**ILLINOIS:** Temperatures 10 to 150 above normal northern half, 7 to 100 above normal south. No precipitation except for some parts of central areas end of week.

Days suitable for fieldwork 3.5. Soil moisture 4% short, 67% adequate, 29% surplus. Corn planting 4% complete, none 1984, 1% avg. Winter wheat condition 2% poor, 18% fair, 70% good, 10% excellent. Oat seeding 80% complete, 26% 1984, 47% avg. Tillage for corn, sorghum, soybeans 70% complete, 72% 1984, 80% avg. Alfalfa condition 1% poor, 8% fair, 81% good, 10% excellent. Pasture condition 1% poor, 19% fair, 72% good, 8% excellent; supplying 45% livestock roughage requirements, 25% 1984, 35% avg. Freeze damage to apples 16% moderate, 57% light, 27% none. Freeze damage to peaches 78% severe, 10% moderate, 12% light.

**INDIANA:** Average high temperatures 10 to 170 above normal. Highs in 80's. Average lows 8 to 100 above normal south to 12 to 150 above normal north. Soil temperatures in low 60's. Precipitation totaled 0.10 in. south to 0.20 east central; no precipitation north.

Fieldwork averaged 3.2 days. Topsoil, subsoil moisture mostly adequate to surplus. Spring cropland 60% tilled, 56% 1984, 68% avg. Corn 1% planted, none 1984, none avg. Oats 70% seeded, 25% 1984, 45% avg. Oats 2 in. high, 1 in. 1984, 1 in. avg. Wheat 1% poor, 25% fair, 64% good, 10% excellent. Wheat 15% jointed, 5% 1984, 15% avg. Wheat 7 in. high, 4 in. 1984, 7 in. avg. Clover 80% seeded, 55% 1984, 70% avg. Tobacco plant beds 90% seeded, 45% 1984. Pastures fair to mostly good.

**IOWA:** Warm, dry weather. Days suitable for fieldwork 6.6. Topsoil moisture conditions 54% short, 45% adequate, 1% surplus. Subsoil moisture conditions 7% short, 92% adequate, 1% surplus. Fertilizer applications 72% complete. Conventional tillage operations 80% complete. Conservation tillage operations 72% complete. Winter wheat 9% poor to very poor, 25% fair, 59% good, 7% excellent. Pasture conditions 7% poor to very poor, 32% fair, 58% good, 3% excellent. Corn acreage planted 3%. Oat acreage sown 92%, 35% 1984, 54% avg. Grain movement 2% heavy, 50% average, 48% light. Livestock condition 30% excellent, 69% good, 1% fair.

**KANSAS:** Precipitation averaged 0.20 to 0.30 in. southeast, central; 0.10 in. elsewhere with localized amounts of 0.50 to 1.00 in. Temperatures averaged 66 to 690, 12 to 160 above normal.

Days suitable for fieldwork 5.5. Moisture adequate most areas, surplus southeast, short west. Wheat growth rapid. Wheat jointing 60%, 15% 1984, 35% avg; condition good to excellent. Wheat competition from cheat, mustard, penny cress, other annuals. Soil-borne Mosaic, light levels; tan spot, light to moderate. Light

freeze damage south central, light wind damage, central and south central. Oats, barley seeding 97%, 98% complete, respectively. Corn 10% planted 1% 1984, 5% avg. Farm activities: Seedbed preparation, fertilizing, weed control. Cattle moving to pasture. Alfalfa weevil light to moderate.

**KENTUCKY:** Unseasonably mild, relatively dry. Rain totals averaged 0.30 in. east to 0.60 in. west. Daily mean temperatures averaged in mid 60's, around 10° above average.

Days favorable for fieldwork averaged 4.6. Soil moisture 22% short, 67% adequate, 11% surplus. Shortages most prevalent in east central counties, surplus in some Ohio River bottom counties west. Corn planted 20%, 3% 1984, 8% avg. Planting most advanced southern counties. Wheat, barley very good condition. Early fields beginning to head, late freeze could cause problems. Nearly 70% of tobacco bed plants emerged. Watering tobacco beds necessary. Pastures, hay crops making good growth. Alfalfa weevils active; spraying necessary some fields.

**LOUISIANA:** Rain mostly less than 0.50 in; ranged from none to 2.14 in. Average temperatures normal to 3° above normal. Low 49°; high 89°.

Soil moisture conditions generally short central and southwest; adequate southeast; short to adequate elsewhere. Days suitable for fieldwork 6.1. Activities included spring plowing, pasture fertilization; planting rice, corn, cotton, sorghum, vegetables. Spring plowing 85%, 72% 1984, 70% avg. Corn planted 90%, 86% 1984, 71% avg. Corn emerged 82%, 74% 1984, 60% avg. Fair to good condition. Rice planted 56%, 54% 1984, 54% avg. Rice emerged 37%, 44% 1984, 43% avg.; fair to good condition. Winter wheat headed 74%, 65% 1984, 59% avg. Wheat turning color 8%, 4% 1984, 8% avg.; good condition. Sorghum planted 46%, 39% 1984, 28% avg. Sorghum emerged 22%, 23% 1984, 19% avg.; fair to good condition. Cotton planted 11%, 6% 1984, 9% avg. Sweetpotatoes planted 11%, 3% 1984, 9% avg. Pasture, livestock, vegetables fair to good condition. Harvest of strawberries continued; spraying peach trees. Sugarcane in fair condition.

**MARYLAND & DELAWARE:** Maryland: Week dry, warm. Temperatures averaged 6 to 8° below normal. Lows mostly mid 30's; highs in low 90's. Precipitation averaged 0.05 in., many areas received none to only a trace.

Days suitable for fieldwork 7.0. Topsoil moisture short throughout State. Subsoil moisture adequate west of bay, short eastern shore. Planting for spring crop 60% complete 20% 1984, 45% avg. Small grains sustained only light freeze damage through winter in mostly good condition. Tobacco beds 95% planted, 100% 1984, 100% avg. Vegetable planting is mostly ahead of schedule. Snap beans 35% planted, one week ahead of last year and average. Green pea planting 75% complete, 50% 1984, 70% avg. Potato planting 80% complete, 40% 1984, 75% avg. Sweetpotato beds 85% complete, 90% 1984, 90% avg. Freeze of April 9th, 10th damaged peaches severely. Peaches 90% bloomed.

Delaware: Weather dry, warm. Temperatures averaged mostly 5 to 8° above normal. Lows mid 30's to low 40's; highs near 90's. Precipitation averaged 0.05 in.

Days suitable for fieldwork 7.0. Topsoil and subsoil moisture below normal throughout State. Dry spring helped fieldwork progress. Acreage plowed 50%, 15% 1984, slightly average. Pasture

condition adequate. Winter freeze damage to small grain slight. Planting of green peas, potatoes well underway.

**MICHIGAN:** Unseasonably warm, summer-like temperatures. Temperatures averaged 12° above normal. Precipitation light in southern areas, moderate across remainder of State.

Spring tillage progressing on well drained fields. Planting of oats, sugarbeets active. Few fields of corn seeded. Celery, onion, potato planting started. Wheat, hay look good. Fruit growers busy spraying, pruning, planting fruit trees. Sweet cherries showed blooms. Tart cherries nearing full bloom in southwest section. Sugarbeet seeding 20% complete, 5% 1984, 26% avg. Corn 1% planted, none 1984, none avg. Livestock conditions normal. Feed supplies adequate.

**MINNESOTA:** Week of record-breaking warm temperatures ended with severe thunderstorms, southern, eastern portion. Temperatures averaged 7 to 17° above normal. Low: 21°; high: 95°. Precipitation averaged 0.41 to 0.45 in. above normal for central, southwest; near normal to 0.33 in. below normal elsewhere. Greatest weekly total: 2.08 in.

Soil moisture reserves still ample despite hot, dry weather. Topsoil moisture: 2% very short, 7% short, 83% adequate, 8% surplus. Subsoil moisture 7% short, 82% adequate, 11% surplus. Average beginning date of full-scale fieldwork April 21st, earliest since 1981. Small grain planting in full swing. On row crop ground, chemical application, plowing chiseling became active. Planting progress: Spring wheat 25%, 6% 1984, 19% avg.; oats 30%, 11% 1984, 19% avg.; barley 12%, 7% 1984, 14% avg. Ground prepared: Corn 10%, 4% 1984, 8% avg.; soybeans 3%, 2% 1984, 5% avg. Green peas planted 26%, 10% 1984, 12% avg. Winter wheat condition: 10% poor, 39% fair, 20% good, 31% dormant.

**MISSISSIPPI:** Temperatures averaged 2° above normal. Extremes 40°; 80°. Maximum 24-hour rainfall 1.20 in. Kosciusko.

Soil moisture adequate to short. Fieldwork: 5.5 days suitable, 3.6 1984, 3.5 avg. Wheat condition fair to good; 97% jointing, 100% 1984, 95% avg.; 54% heading, 42% 1984, 40% avg. Corn fair to good condition; 82% planted, 62% 1984, 50% avg.; 49% up to stand, 38% 1984, 29% avg. Rice 57% planted, 12% 1984, 28% avg.; 15% up to stand, none 1984, 9% avg. Cotton 18% planted, 3% 1984, 8% avg. Sorghum 27% planted, 9% 1984. Peanuts 9% planted, 7% 1984, 7% avg. Watermelons 55% planted, 35% 1984, 49% avg. Sweetpotatoes 6% planted. Pasture, livestock fair to good. Peaches fair.

**MISSOURI:** Temperatures ranged 4 to 11° above normal. Record highs tied or set late week. Rainfall nonexistent over northern half, around 0.25 in. through central portion, around 1.25 in. over Bootheel.

Topsoil moisture 18% short, 52% adequate, 30% surplus. Days suitable for fieldwork 4.0. Corn 23% planted, 1% 1984, 9% avg. Cotton planting Bootheel not started yet, 1% 1984, 2% avg. Winter wheat 5% poor, 58% fair, 37% good. Pastures 1% poor 30% fair, 64% good, 5% excellent.

**MONTANA:** Temperatures continued quite mild, ranged 2° above normal in west; 8 to 12° above normal in southwest, extreme east. Very warm first of week, cooling over State by end of week. Much of State received moderate to heavy precipitation, some areas received no

precipitation. Areas of southwest, south central, eastern portions of north central, dry. Western portions of north central received 0.33 to over 1.00 in. of precipitation. Western portions of central areas also received 0.50 to 1.00 in. Much of dry northeast received rain late in week, ranged from 0.10 to over 0.50 in. Some snow fell along east slopes of front range, over mountains.

Topsoil moisture short to adequate. Subsoil moisture mostly short. Fieldwork: 6.0 days suitable. Winter wheat green, started to grow. Spring wheat planted 20%, 30% 1984, 20% avg. Barley 20% planted 30% 1984, 20% avg. Oats 15% planted, 20% 1984, 15% avg. Sugarbeets 10% planted, 20% 1984, 30% avg. Calving 85% complete; lambing 75% complete. Shearing 75% complete; 75% of cattle, sheep on supplemental feed. Pastures, ranges mostly greening-up. Stockwater mostly adequate.

**NEBRASKA:** Temperatures averaged 10 to 15° above normal west, 15 to 20° above normal east. Precipitation averaged 0.25 in. statewide, some heavier showers 1.00 to 1.50 in. over northeast.

Topsoil moisture 87% short, 13% adequate. Subsoil moisture 24% short, 76% adequate. Days suitable for fieldwork 6.8. Oats seeded 98%, 25% 1984, 50% avg. Corn planted 5%, none 1984, none avg. Winter wheat condition rated 41% fair, 58% good, 1% excellent; moisture needed. Soil-borne Mosaic - east central. Weed across southern areas.

**NEVADA:** Dry and above normal temperatures dominated early. Low pressure system moved inland midweek, cool airmass developed through end of week. Precipitation amounts a mix of mostly light totals with some moderate. Temperature extremes: 16°; 95°.

Planting fall potato crop full swing. Alfalfa hay harvest gaining momentum extreme south. Livestock movement to summer ranges accelerated.

**NEW ENGLAND:** Average precipitation totaled 0.75 in. over northern areas, between 0.25 to 0.50 in. over central areas, less than 0.25 in. over southern areas. Temperatures ranged from mid 30's near Canadian border to mid 50's along south coast. Temperatures averaged well below normal north, slightly above normal south.

Spring fieldwork active in southern, central areas with northern areas wrapping up pre-spring activities.

**NEW JERSEY:** Temperatures averaged 5 to 7° above normal. Extremes: 24°; 92°. Weekly rainfall averaged 0.19 in. north, 0.15 in. central, 0.06 in. south. Heavies 24-hour total 0.25 in. on 19th to 20th.

Estimated soil moisture, in percent of field capacity, averaged 71% north, 64% central, 51% south. Four inch soil temperatures averaged 52° north, 55° central, 57° south. Days suitable for fieldwork 6.5. Above average temperatures, decreased soil moisture had mixed effect on crop progress. Vegetable planting, harvesting ranges 10 to 14 days ahead of schedule. Farmers began chopping rye; yields less than expected. Field preparation well underway.

**NEW MEXICO:** Average temperatures 5 to 10° above normal east, 4 to 5° above normal west. Minimum temperature: 22° northern mountains; maximum temperature: 91° southeastern Plains. Cooler air spread over State 21st. Scattered showers statewide over north, west. Precipitation none to 0.91 inch.

Soil moisture very short to adequate, mostly short. Hail damage none to light. Wind freeze damage none to moderate. Alfalfa hay mostly good - first cutting expected early May. Cotton planting well underway. Cotton 33% planted, 25% 1984, 13% avg. Corn planting underway - approximately 15% planted. Barley good to excellent - 70% jointed. Pecans mostly good. Apples fair to good - light to average fruit set. Chile fair to good - planting continued. Lettuce good - harvest expected to start first week in May. Onions good. Cattle fair to good; sheep good to excellent. Range fair to good.

**NEW YORK:** Temperatures generally above normal, averages from the mid 40's north of the Mohawk, Hudson Valley; mid 50's in western areas, New York City. Cold outbreak midweek with readings 10 to 15° below normal. Low temperatures fell below freezing. Precipitation about normal, amounts between 0.50 to 0.75 in. Amounts uniform throughout State.

Farmers taking advantage of dry weather to continue fieldwork. Main activities included plowing, planting oats.

**NORTH CAROLINA:** Temperatures averaged 3 to 4° above normal. Precipitation ranged from 0.15 in. to 2.35 in.

Soil moisture: 15% very short, 51% short, 34% adequate. Days suitable for fieldwork 5.5. Condition: Pasture 9% poor, 56% fair, 34% good, 1% excellent. Wheat 13% poor, 49% fair, 38% good. Oats 16% poor, 52% fair, 32% good. Barley 17% poor, 50% fair, 33% good. Rye 10% poor, 47% fair, 43% good. Tobacco beds 10% poor, 56% fair, 33% good, 1% excellent. Irish potatoes, 58% fair, 42% good. Peaches 88% poor, 9% fair, 3% good. Plantings: Corn 75%, 31% 1984, 46% avg. Cotton 16%, none 1984, 10% avg. Sorghum 18%, none 1984, none avg. Flue-cured tobacco 9%, 8% 1984, 10% avg. Major farm activities: Land preparation for spring planting, corn planting, tobacco bed maintenance, fertilizing, spraying herbicides, planting gardens.

**NORTH DAKOTA:** Average temperatures above normal across State, greatest being northwest at 12° above normal. Extremes ranged from 20° to 89°. Moisture over all of State, highest average amount south central at 0.75 in. East central district received the least with 0.12 in. average. Wilton recorded highest weekly total 1.53 in.

Days suitable for fieldwork 5.7. Topsoil moisture 36% short or very short, 64% adequate. Thunderstorms over weekend improved topsoil moisture condition in northwest, north central, south central districts. Warm, sunny weather most of week allowed excellent progress on small grain seeding; completion rate ahead of normal. Subsoil supplies continue below normal with 52% short or very short 48% adequate. Hard red spring wheat 17% seeded, 5% 1984, 11% avg. Durum 6% seeded, 2% 1984, 5% avg. Barley 14% seeded, 3% 1984, 8% avg. Oats 16% seeded, 3% 1984, 9% avg. Calving 81% complete, lambing 86%, shearing 84%. Only 12% of pastures showing good growth, 34% poor; 52% fair should improve with rains.

**OHIO:** Temperatures climbed into 80's late week, pushing average highs 12 to 13° above normal. Lows in 30's early in week but warming to upper 40's. Low 50's bare soil. Soil temperatures climbed into 70's. Averaged from upper 50's to low 60's. Precipitation light; ranging from none north to 0.56 in. east.

Days suitable for fieldwork 5.0. Soil

moisture 2% short, 94% adequate, 4% surplus. Oat seeding 60% complete, 15% 1984, 30% avg. Corn 5% planted, none 1984, 5% avg. Tobacco beds sown 90%, 65% 1984, 70% avg. Potato 2% planted, 1% 1984, 5% avg. Winter wheat good. Hay, pasture good. Apples fair to good; expected full bloom May 1st. Peach crop poor to fair. Activities: Plowing, seedbed preparation; planting corn, oats, potatoes, tobacco; applying anhydrous, hauling manure, machinery maintenance, waiting for operating loans. Fresh market vegetable seeding, transplanting. Early sweet corn seeded began emerging. Strawberries blooming.

**OKLAHOMA:** Temperatures averaged normal southeast to 7° above normal Panhandle. Precipitation averaged zero west central, central, east central to 0.65 in. southeast.

Sunshine, warm temperatures increased wheat growth, enhanced condition of patchy fields. Weekend thunderstorms improved moisture reserves west. Low-lying yellow, stunted fields plagued with soil-borne Mosaic disease recovering. Greenbugs prompted spraying west. Wheat jointing 85%, 75% 1984, 80% avg. Wheat headed 2%, none 1984, 5% avg. Cotton planting started. Cotton planted 1%, none 1984, none avg. Livestock marketings average. Prices continued decline. Livestock good; pastures good to fair condition.

**OREGON:** Warming trend of previous week turned to cooler temperatures, slight precipitation. Up to 0.30 in. precipitation fell coast, northern portions of State. Inland, southern, central areas recorded less than 0.10 in. Temperatures remained above normal; 2 to 4° warmer in northern areas, 6 to 8° warmer in central and northeastern areas.

Soil moisture short to adequate. Winter wheat fair to good. Stress from lack of moisture not yet evident. Barley 89% planted. Spraying, fertilizing western fields. Alfalfa growing well. Planting corn for grain at Hermiston. Some irrigation began in central areas. Hood River pears, apples ahead of normal development. Hermiston, Milton-Freewater apples past bloom; fruit set good. Pears in Jackson County in bloom; look good. Prunes dropped petals. Cranberry bud development ahead of normal; fertilization of bogs continued. Willamette Valley; fruit trees being sprayed; filberts leafrollers spraying and orchard flailing; strawberry, blueberry, caneberry fields being sprayed with pesticides. Hermiston-Boardman: Norgold potatoes emerged, planting of later varieties continued; asparagus harvest, good quality; watermelon planting. Milton-Freewater green pea seeding; spring onion seeding winding down. Some potato seeding in central areas. Malheur County; potatoes 40% planted; onions 80% planted. In west, planting potatoes, onions, broccoli, snap beans, sweet corn. Livestock in good condition. Range, pasture condition poor to good. Most areas drier than normal; this aided pastures in west but limited growth east of Cascades.

**PENNSYLVANIA:** Warm, dry week. Average temperature 9° above normal, warmest week this season. Precipitation spotty, light. Driest week since first of March. State average precipitation 0.20 in. around 0.60 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture mostly adequate to short. Activities: Repairing fences, spreading manure, plowing, topdressing pastures, spreading lime and fertilizer, planting oats, potatoes, tobacco

beds, alfalfa, some corn. Plowing 43% complete, 10% 1984, 29% avg. Potatoes 19% planted, less than 5% 1984. Planting tobacco beds 67% complete, 30% 1984. Hay stands mostly good to fair. Corn less than 5% planted, same as last year and the five year avg.

**PUERTO RICO:** Island average rainfall of 0.72 in., 0.36 in. below normal. Highest weekly total rainfall 4.67 in. at Pico Del Este Luquillo followed by 2.87 in. at San Sebastian, 2.25 in. at Rincon. Highest 24-hour total 2.00 in. at Rincon. Accumulated total rainfall for Puerto Rico since January 1st to April 19th 11.28 in. 5% above normal. Divisional temperatures averaged about 77 to 78° coasts, 71 to 73° interior; mean station temperature ranging from 64° at Pico Bel Este Luquillo to 80° at Roosevelt. Lowest minimum temperature 53° at Adjuntas; highest maximum temperature 91° at San Sebastian.

**SOUTH CAROLINA:** Weather warmer, drier than usual. General showers early week light to moderate. Precipitation varied across State.

Soil moisture very short to short. Days available for field activities 5.6. Corn condition fair; 93% planted, 69% 1984, 68% avg. Cotton condition poor to fair; 57% planted, 8% 1984, 26% avg. Tobacco condition fair to good; 59% planted, 76% 1984, 57% avg. Additional rainfall still badly needed for continued planting, germination. Peach crop condition continued poor to fair. Tomato condition fair, planting virtually complete. Watermelon condition fair; 78% planted, 77% 1984, 73% avg. Pastures condition fair. Sorghum, rye, oats, barley, wheat in fair condition.

**SOUTH DAKOTA:** Average temperatures were 9 to 17° above normal. Extremes: 22°; 95°. Rainfall general, amounts varied greatly.

Days suitable for fieldwork 6.0. Topsoil moisture mostly short to adequate. Winter wheat, rye good condition. Livestock, range, pastures good condition. Calving 63% complete, lambing 70% complete. Feed and stockwater supplies adequate. Corn planted none, none 1984, none avg. Spring wheat planted 66%, 8% 1984, 31% avg.

**TENNESSEE:** Weak low pressure system brought rain 15th, 16th; remainder of week dry. Temperatures averaged mid, upper 60's, about 4 to 7° above normal. Rainfall totaled from 0.25 in. or less west to 1.00 in. east.

Soil moisture levels: 15% short, 78% adequate, 7% surplus. Days suitable: 5.0. Corn 35% planted, 10% 1984, 15% avg. Cotton 10% planted, 1% 1984, 5% avg. Tobacco beds seeded 100%, 93% 1984, 95% avg.; plants up 70%. Wheat jointed 40%.

**TEXAS:** Crops: Grain sorghum fields most of State good progress. Planting slow Low Plains, producers waiting for additional moisture. Planting continued Blacklands, started winding down. Planted fields good progress. Some cultivating. Planting about complete central area. Fields this area, as well as Rio Grande Valley good progress. Corn planting good progress High Plains, now winding down. Most areas had good available moisture; however, few areas needed some watering to get crop up. Planted fields remainder State good progress, except Coastal Bend heavy rains caused some damage. Some side dressing nitrogen central areas. Cotton planting continued many areas State. Most planting complete central, Blacklands, good rain needed to get crop up to stand some areas.

Land preparation, pre-planted herbicide application continued Cross-Timers, into Plains. Small amount planted High Plains, most planting begin in week, weather permitting. Small grains continued show good progress, despite rust infestations. Irrigated fields High Plains excellent progress. Dryland fields beginning to stress from windy conditions. Low Plains, Cross-Timers, rust remained problem. Fields Blacklands, into central and south flowering. Producers concerned that head weights may be down because rust. Heavy logging Coastal Bend, heavy rains. Wheat condition 85% of normal compared with 68% a year ago. Current reported conditions: 2% poor, 19% fair, 67% good, 12% excellent. Rice planting continued Upper Coast as field dried. Good progress on planted fields. Sugarbeet planting continued High Plains, remained far behind schedule. Planted fields suffered from high winds. Corn planted 78%, 71% 1984, 65% avg. Cotton planted 13%, 11% 1984, 14% avg. Rice planted 44%, 91% 1984, 84% avg; emerged 20%, 38% 1984, 43% avg. Sorghum planted all purpose 58%, 58% 1984, 62% avg. Wheat headed 26%, 18% 1984, 21% avg.; turning color 1%, none 1984, none avg. Peanuts planted 2%, 3% 1984, 7% avg. Sugarbeet planted 42%, 88% 1984, 85% avg.

**Commercial Vegetables:** Rio Grande Valley, most spring vegetables good growth. Light supplies cabbage available. Onion harvest continued. San Antonio-Winter Garden onions showed good growth. Other spring vegetables fair to good growth. Watermelons started flowering. East, most spring vegetables good progress. Some producers sprayed for insects. Watermelon planting continued steady pace. High Plains onion transplanting near completion. Quality of transplants problem. Peppers, potatoes up to stands. Trans-Pecos cantaloup planting continued. Watering onions, melons started, drying conditions. Some dusting melons for insects continued. Peach trees continued set fruit spraying activities increased. Some light damage from leaf curl Cross-Timers, central. Pecan trees continued blooming across State; good crop expected. Many producers spraying operations.

**Range and Livestock:** Ranges, pastures improved. Planting haygrazer continued some areas. Some shredding, herbicide spraying necessary to control weeds. Some small grains baled. Cattle, sheep good condition. Shearing continued Edward's Plateau; markets down slightly.

**UTAH:** Relatively clear skies; precipitation mostly zero or trace with light amounts at few scattered locations. Maximum temperatures averaged 12.5° above normal, ranging 7 to 15° above. Minimums averaged 6° above normal, ranging 1 to 10° above.

Days suitable for fieldwork 5.6. Seeding progress considered slightly ahead of normal until storms halted activity at some areas over weekend. Barley plantings 56% complete, oats 28%, spring wheat 41%, pastures, alfalfa greening, some livestock moved to lower ranges. Most ranges good condition. Livestock conditions good. Calving 71% complete, lambing 52%, shearing 63%. Calf, lamb losses low to normal so far.

**VIRGINIA:** Warm, dry. Temperatures averaged 7 to 9° above normal. Record high temperatures set on 19th, 20th, 21st. Rain early in period did little to relieve dry conditions. Precipitation averaged 0.50 in. west, southwest; less than 0.50 in. elsewhere.

Topsoil moisture ratings: 79% short, 18% adequate, 3% surplus. Days suitable for

fieldwork averaged 5.7. Pasture, hayland conditions fair to good. Conditions declining due to dry weather. Expect short yields from first hay crop. Small grains rated good need rain. Small grains growth slow. Corn 34% planted, 18% 1984, 25% avg. Some corn replanting in southeast due to freeze damage. Tobacco plantbeds rated good to excellent. Irrigation reported. Apple prospects somewhat uncertain since freeze. Many orchards appear in good condition. Red delicious varieties suffered most damage. Farmers cutting rye for silage. Livestock good to excellent condition. Moving livestock to pasture. Cattle sales active.

**WASHINGTON:** Temperatures statewide warm early in week, but cooled considerably at week's end. Rain midweek, small amounts of precipitation did little to ease dry spell.

Fieldwork continued in full swing. Winter wheat in good condition. Apples in full bloom, other fruit trees past full bloom. Weather promoted good pollination. Asparagus harvest well underway. Seeding of sweet corn, melons, peas, other vegetables underway. Livestock in good condition, ranges short. More rain needed.

**WEST VIRGINIA:** Temperatures averaged 10° above normal over State. Low 25° Elkins; high 95° Williamson. Precipitation 0.20 to 0.50 in. below normal. Most rainfall Terra Alta 1.20 in.; least Martinsburg 0.04 in.

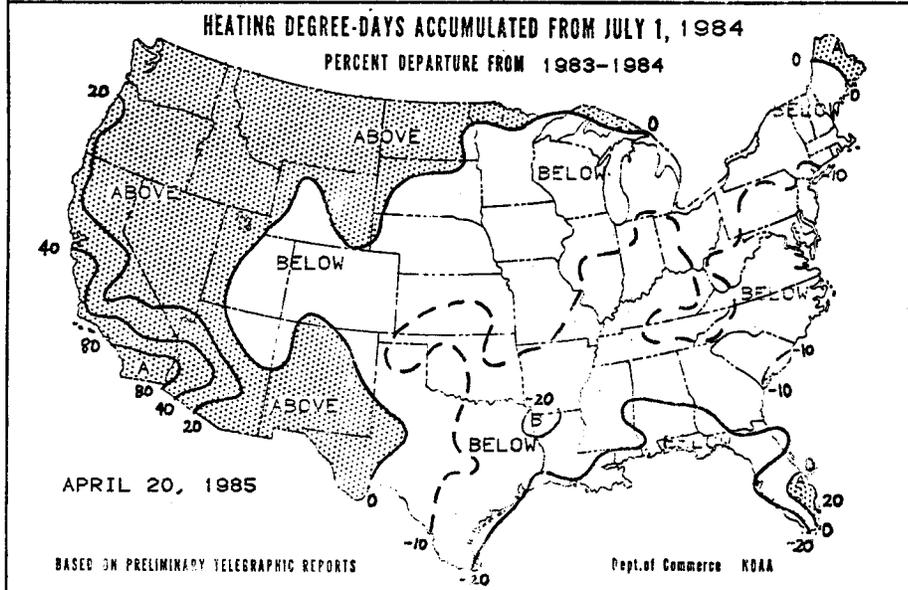
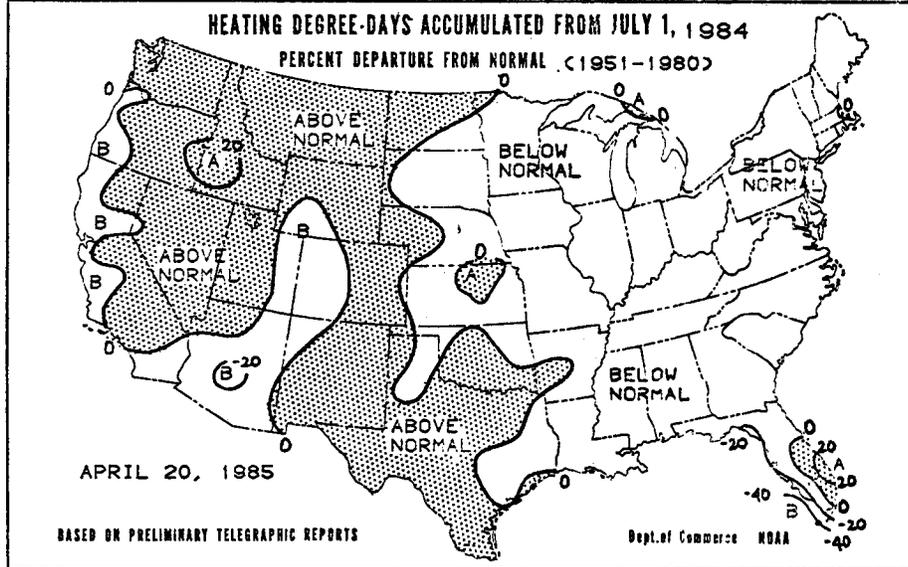
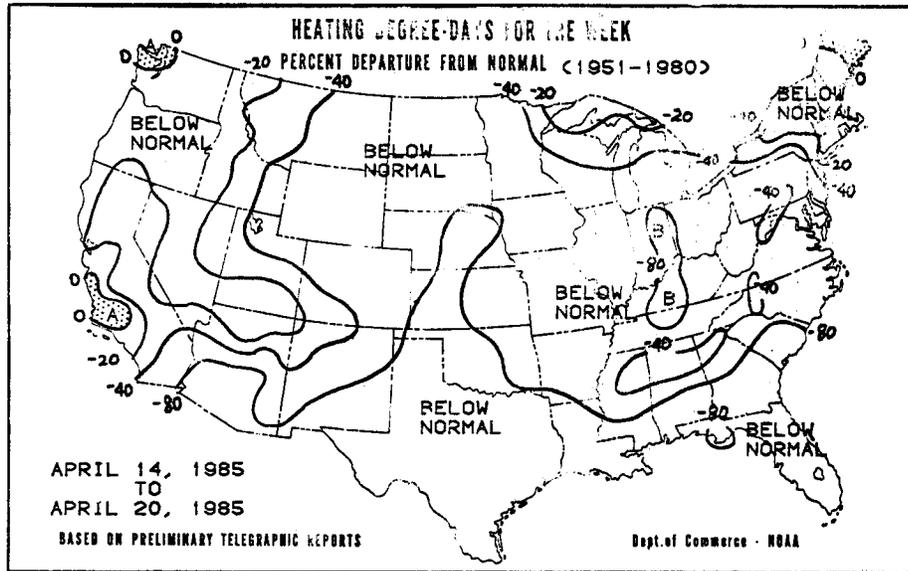
Soil moisture adequate to short. Days suitable for fieldwork averaged 4.8. Feed supplies adequate to short.

**WISCONSIN:** Seasonably cool early week, record warmth later week. Temperatures into 80's 17th, 18th, continued through 21st; exceeding daily records in many locations. Scattered showers early week, weekend, more numerous north. Precipitation 0.50 in. to 0.75 in. north, 0.25 in. to 0.50 in. central, 0.10 in. to 0.30 in. south.

Soil moisture averaged 3% short, 70% adequate, 27% surplus. Days suitable for fieldwork 3.3. Southern area had 5.6 to 6.7 days suitable for fieldwork. Spring plowing 13% complete, 14% avg. Planting canning peas beginning to expand in south, planting of potatoes in central district proceeding good, tobacco bed preparation underway south. Hay, pasture greening-up.

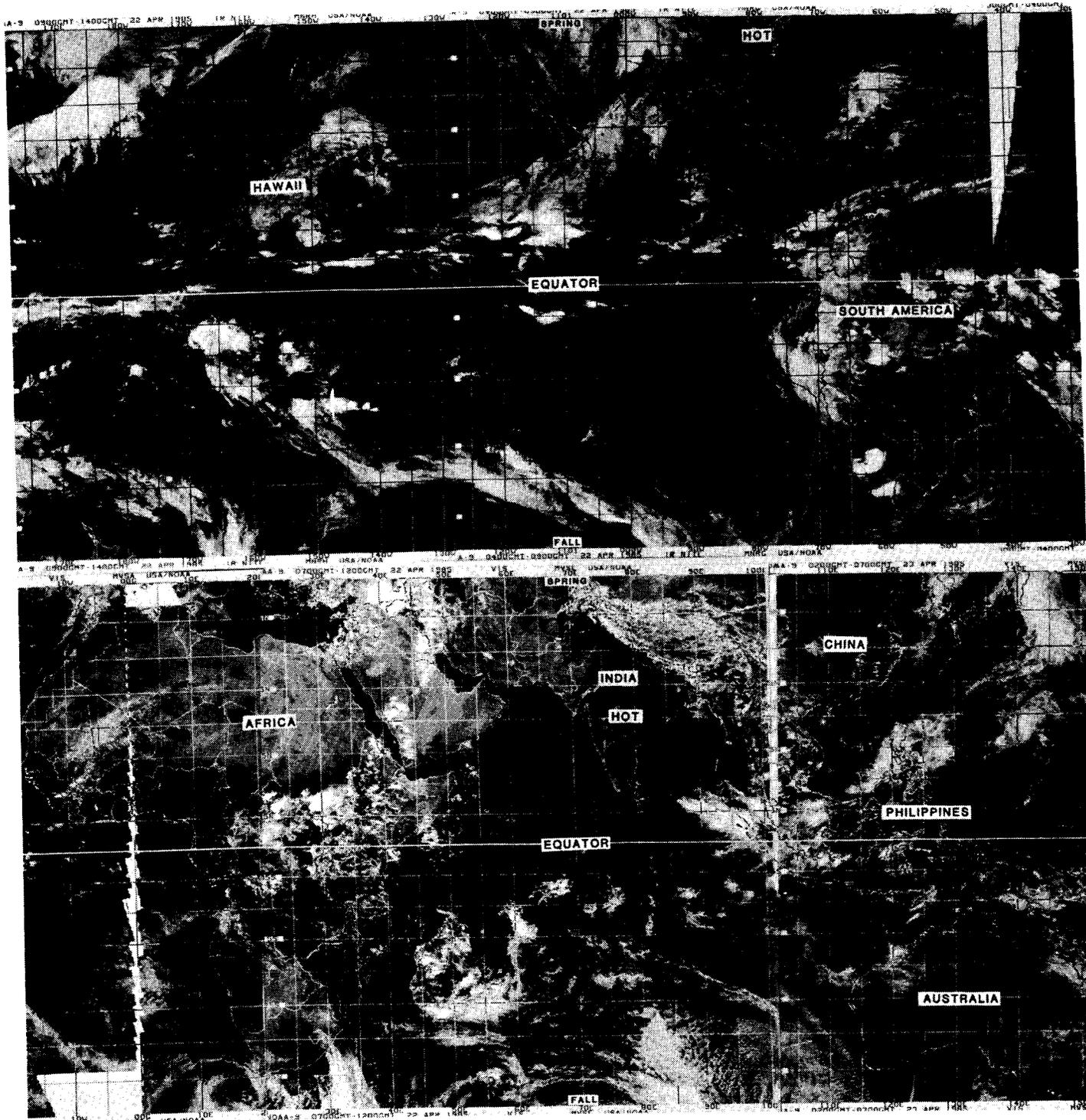
**WYOMING:** Average temperatures above normal. Precipitation below normal.

Topsoil moisture short 71% State. Days suitable for fieldwork 6.5. Spring planting progressing rapidly; most crops need additional moisture. Spring wheat planted 50%; emerged 15%. Barley planted 65%; emerged 20%. Oats planted 35%; emerged 5%. Sugarbeets planted 65%; emerged, small amount. Small amount corn, potatoes planted. Winter wheat mostly fair condition. Wind, freeze damage light to none, some moderate wind damage. Livestock mostly good condition. Spring calves born, 70% 1984. Farm flock: Ewes lambed 85%; shorn 80%. Range sheep: Ewes lambed 55%; shorn 50%. Calf, lamb losses light to normal. Some movement to summer pastures started. Range mostly fair to good.



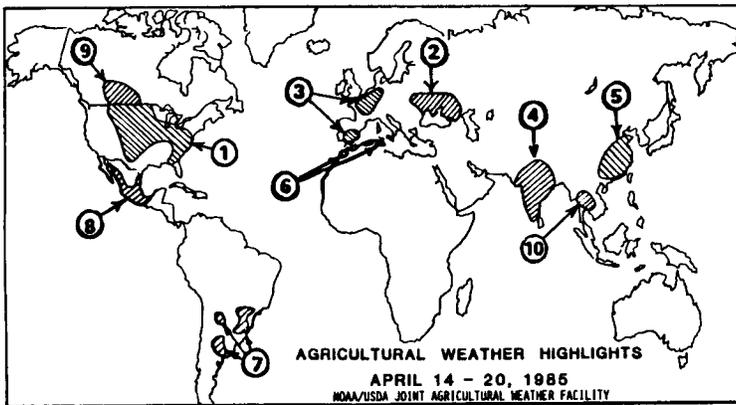
# GLOBAL WEATHER SATELLITE PHOTO

April 22 - 23



International Weather and Crop Summary

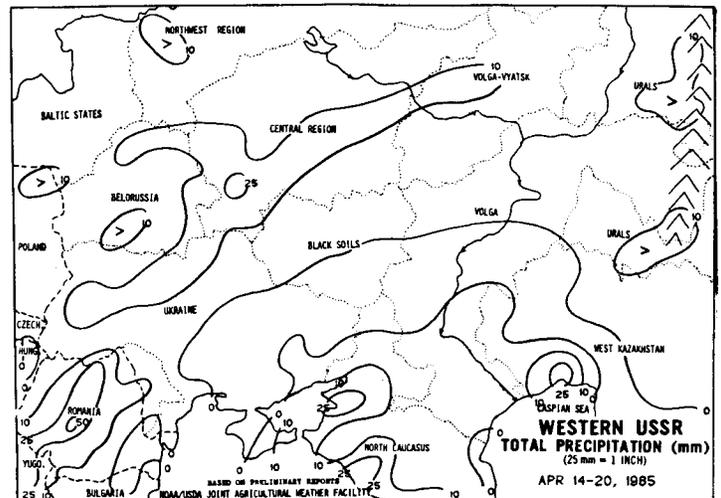
April 14 - 20

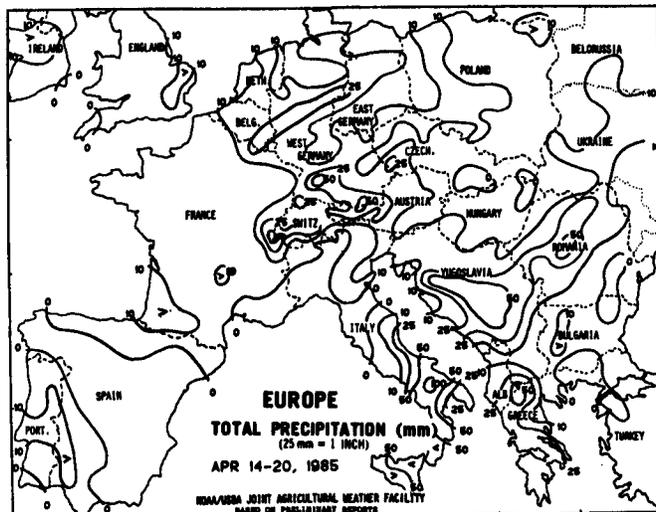


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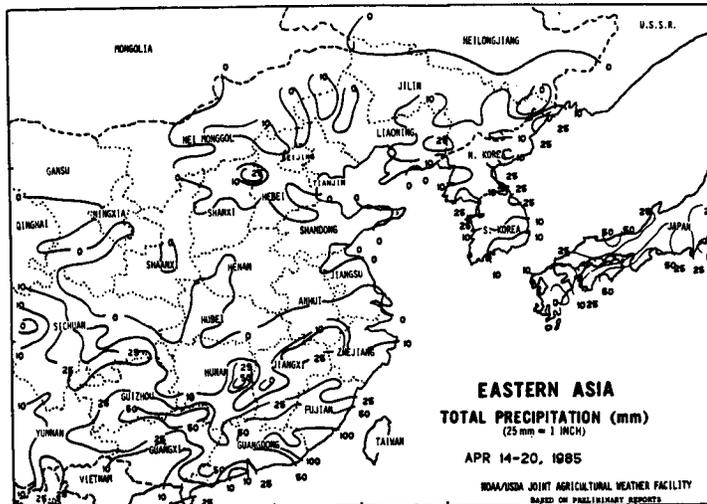
1. **UNITED STATES** ... A drying trend advances Corn Belt land preparation and planting, while dryness curtails planting and germinating in the Atlantic Coast States. Unseasonable warmth accelerates planting of spring grains in the northern Plains and development of winter grains in central and southern areas.
2. **WESTERN USSR** ... Fair weather across the south aids fieldwork.
3. **EUROPE** ... Mild, fair weather in France and England allows spring sowing to increase. Dry weather continues to reduce crop prospects in southern Spain.
4. **SOUTH ASIA** ... Mostly dry weather favors late wheat and summer rice harvesting.
5. **EASTERN ASIA** ... Warmer temperatures cover most of the region, favoring irrigated crops. Dry weather in the North China Plain slows progress in nonirrigated areas.
6. **NORTHWESTERN AFRICA** ... Persistent dryness in Morocco deteriorates winter grain conditions. Showers in northeastern Algeria and northern Tunisia favor winter grains in the heading stage.
7. **SOUTH AMERICA** ... Several consecutive dry days in southern Brazil, following early-week heavy rain, likely allow some soybean harvesting by the weekend. Brazil's total soybean harvest lags significantly behind the pace of recent years. In Argentina, showers slow summer crop harvesting, but harvest progress increased 10-15 percentage points ahead of last week.
8. **MEXICO** ... Additional rains generally favor eastern agriculture. Seasonally sunny, warm weather dominates most other crop areas.
9. **CANADA** ... Late-week rain across the Prairie Provinces provides extremely beneficial topsoil moisture for spring wheat planting, which will begin soon in the south.
10. **SOUTHEAST ASIA** ... Increased rainfall allows some corn and rice planting to progress.

**WESTERN USSR**...Fair weather favored fieldwork over much of the Ukraine, Black Soils, lower Volga Valley, and the North Caucasus. Showers in Black Sea coastal areas around Rostov and Krasnodar likely interrupted some fieldwork. Precipitation across the north was mainly in the form of rain. Winter grains are likely breaking dormancy and beginning vegetative growth in Belorussia, the Ukraine, southern Black Soils, lower Volga Valley, and North Caucasus. Elsewhere, winter grains remained dormant.

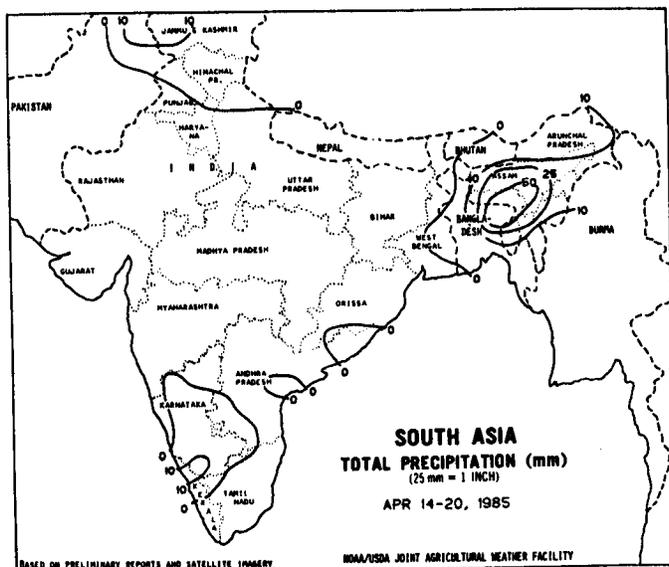




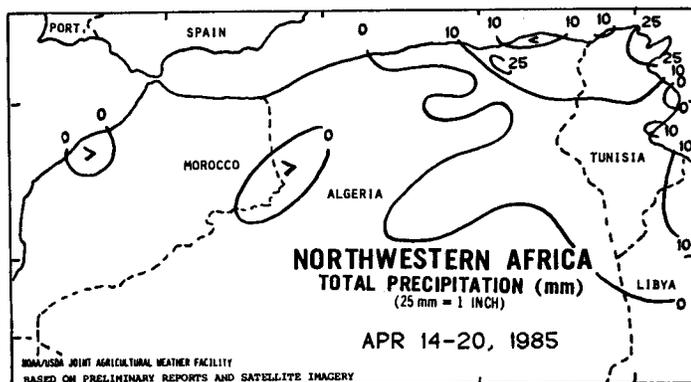
**EUROPE...**Several days of mild, fair weather in England and France followed persistent wetness, allowing spring crop sowing to increase. Winter grain areas in Spain remained unfavorably dry, and yield prospects are likely reduced in the south where the crop is in the highly moisture-sensitive heading stage. Dry weather in Czechoslovakia and Hungary aided fieldwork. In Poland, topsoil moisture is generally adequate for winter grains in the vegetative stage; and dry weather in the southeast favored fieldwork for spring crop planting. Light showers in western Romania increased topsoil moisture for spring seeding. In contrast, persistent dryness in southeastern Romania is causing concern about topsoil moisture conditions for spring planting and early winter wheat growth.



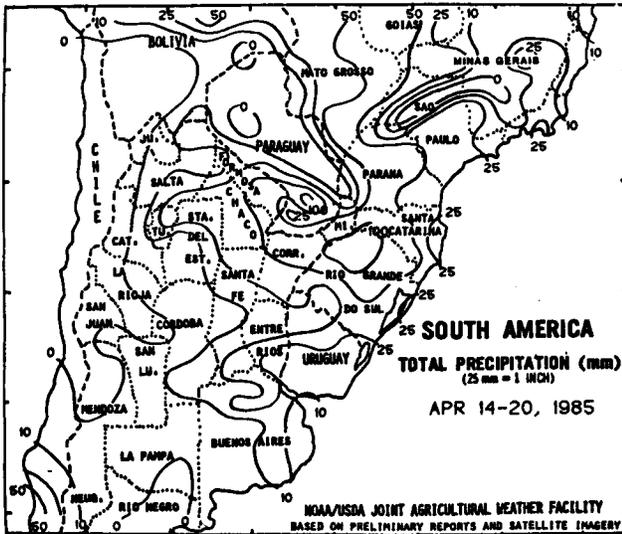
**EASTERN ASIA...**Rainfall decreased slightly in southern China, however, heavy rain (50-100mm) fell in southern Fujian and eastern Guangdong. Temperatures averaged a little above normal through Hunan, Jiangxi, and Zhejiang, favoring early rice growth. Below-normal temperatures in the south coastal provinces slowed rice development. Warmer weather in the North China Plain benefited irrigated winter wheat and cotton. Unfavorably dry weather continued in the north for nonirrigated winter wheat and summer crop planting. Light rain and above-normal temperatures in southern Manchuria favored corn and soybean planting, which normally begins in mid-April. Dry weather covered spring wheat in northern Manchuria.



**SOUTH ASIA...**Seasonably hot, dry weather covered most of central India. Light showers fell early in the week in northern Pakistan and India, followed by favorably dry harvesting weather. Moderate to heavy rain (25-75mm) continued in northeastern India. Mostly dry weather favored summer rice harvesting along the east coast.



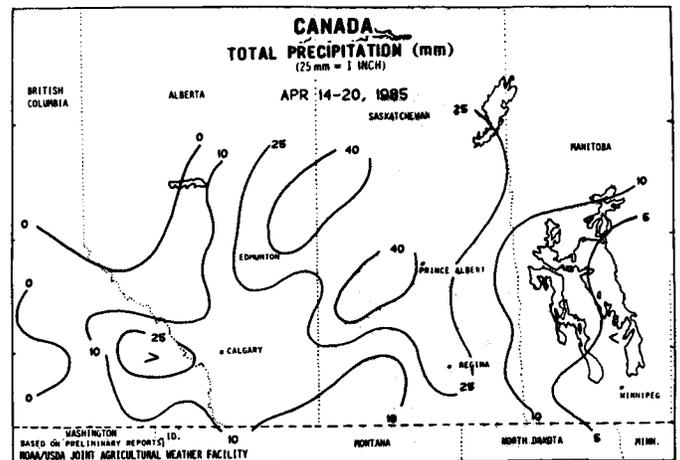
**NORTHWESTERN AFRICA...**Cool, wet weather in northeastern Algeria and northern Tunisia benefited winter grains in the heading stage. The third consecutive week of dry weather in central and western Algeria stressed crop growth. In Morocco, unseasonably warm, dry weather further reduced yield prospects for winter grains in the filling stage.



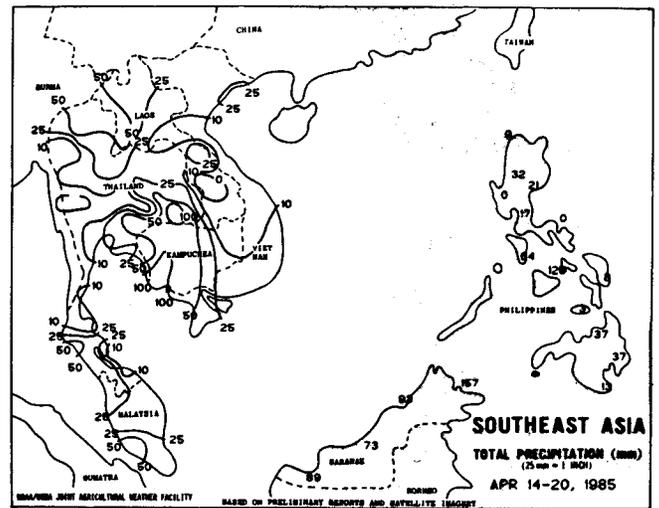
**SOUTH AMERICA**...Early-week rain (50-100mm) over soybean areas of southern Brazil kept fields too wet for harvesting during most of the week in Rio Grande do Sul. Several consecutive dry days later in the week probably allowed some harvesting by the weekend. Rio Grande do Sul's soybean harvest is only about 20 percent complete, compared with about 40 percent last year. Brazil's total harvest is about 40 percent complete compared with over 50 percent last year. Harvest weather has been generally favorable in more northern soybean areas of Brazil, but some rain fell over most areas during the week. In Argentina, scattered showers covered the major summer crop areas of southern Santa Fe, southern Cordoba, and northern Buenos Aires. Weekly amounts averaged 10-33mm, somewhat slowing the harvest. Corn, sorghum, and sunflower harvesting were about 60, 45, and 75 percent complete, respectively; about 10-15 points ahead of the last week. Soybean harvesting is in its early stages.



**MEXICO** ... Rains continued wetting parts of the east, generally benefiting agriculture. The additional moisture should maintain development of field crops and orchards and should reduce irrigation. Some lowlands may be too wet. The eastern part of the southern Plateau corn belt was moist enough for germination and early growth. However, other corn belt sections continued dry. Most other crop, vegetable, and orchard areas were sunny, warm, and dry--aiding field activities.



**CANADA**...Substantial rain fell over crop areas of the Canadian Prairies late in the week. In Alberta, weekly rainfall averaged 14-40mm, with heavier rain falling on northern crop areas. In the major spring wheat-producing province of Saskatchewan, rainfall by region averaged 25-49mm in northwestern and central areas, 10-24mm in eastern areas, and 2-9mm in southwestern areas. Light rainfall in Manitoba averaged less than 10mm. The recent showers across the Prairie Provinces provided extremely beneficial topsoil moisture for crop planting, which will likely begin very soon in the south. Weekly temperatures averaged 3-5C above normal in the east and slightly above normal in the west.



**SOUTHEAST ASIA**...Variable premonsoon rain fell in much of Indochina. Heavy rain (50-100mm) benefited southeastern and northern Thailand and western Kampuchea. Moderate rain (15-35mm) covered the Khorat Plateau, favoring rice planting. Relatively drier weather stretched into central Thailand's corn region, slowing planting. Temperatures continued seasonably hot, but normally decrease as monsoon rains become more widespread.

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(continued from p.12)  
necessary in some areas as fields dried.

**PASTURE AND LIVESTOCK:** Pastures were mostly good but continued declining where moisture was short. Livestock movement to summer pastures continued. Livestock was mostly good.

**CROP PROGRESS  
FOR WEEK ENDING APR 21, 1985**

	RICE % PLANTED		
	1985	1984	AVG.
ARK	17	6	11
CALIF	3	3	4
LA	56	54	54
MISS	57	12	28
TEX	44	91	84
5 STATES	29	28	30

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

	SPRING WHEAT % PLANTED		
	1985	1984	AVG.
IDAHO	30	26	42
MINN	25	6	19
MONT	20	30	20
N D	17	5	11
S DAK	66	8	31
5 STATES	27	11	18

THESE 5 STATES PRODUCED 92%  
OF THE 1984 SPRING WHEAT CROP.

	COTTON % PLANTED				CORN % PLANTED		
	1985	1984	AVG.		1985	1984	AVG.
ALA	26	12	15	COLO	12	1	5
ARIZ	85	75	75	GA	95	82	83
ARK	9	6	4	ILL	4	0	1
CALIF	75	90	73	IND	1	0	0
GA	13	8	24	IOWA	3	0	0
LA	11	6	9	KANS	10	1	5
MISS	20	3	8	KY	20	3	8
MO	0	1	2	MICH	1	0	0
N MEX	33	25	13	MINN	0	0	0
N C	16	0	10	MO	23	1	9
OKLA	1	0	0	NEBR	4	0	0
S C	57	8	26	N C	75	31	46
TENN	10	1	5	OHIO	5	0	5
TEX	13	11	14	PA	2	0	1
14 STATES	25	22	22	S DAK	0	0	0
				TEX	78	71	65
				WIS	0	0	0

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

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

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