

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

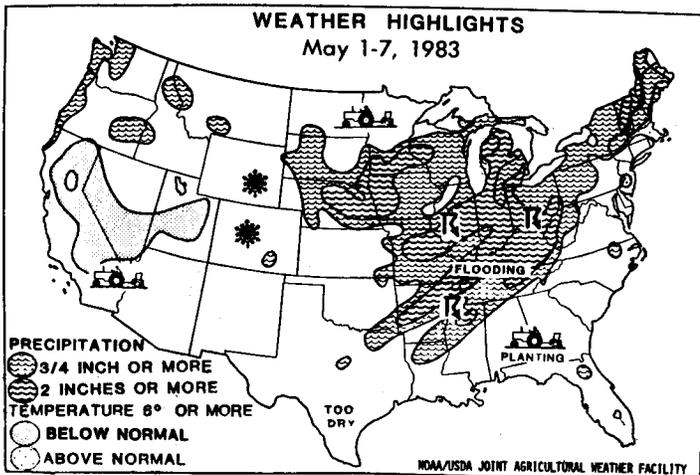
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May 10, 1983

National Weather Summary

May 1 to 7



TUESDAY... Showers and thunderstorms covered the East from the middle and lower Mississippi Valley to the east coast and through the Northeast. A few showers reached from the central Rockies into Nebraska. Snow covered the mountains in Colorado and Wyoming. Severe weather with some heavy rain reached from northern Alabama through the Ohio Valley to southwestern New York. Light to moderate showers and thunderstorms fell along the east coast from the Florida Panhandle to the mid-Atlantic States.

WEDNESDAY... The cold front moved off the east coast, but showers lingered from Ohio and the central Appalachians through the Northeast and in Florida. Cooler weather spread over all of the East. Light showers fell from Oregon across Nevada and southern Idaho to northern Utah. High temperatures reached the eighties in the southern Plains and rose to the nineties in the Southwest.

THURSDAY... A week cold front moved into the Northeast, southwestward to Missouri, and then through Nebraska to Canada. A few light showers fell in the Northeast and from Missouri through the northern Plains. The weather was quite cool in the East and over the Rockies. Freezing temperatures spread over the Great Lakes region and parts of New England. Showers ranged over the Pacific Northwest and to central California, the central Plateau, and northern Rockies.

FRIDAY... Light, occasionally moderate showers fell from Washington, Oregon, and northern California eastward over the Plateau to the central and northern Rockies. Showers and thunderstorms also spread from South Dakota and Nebraska eastward

(continued on p. 11)

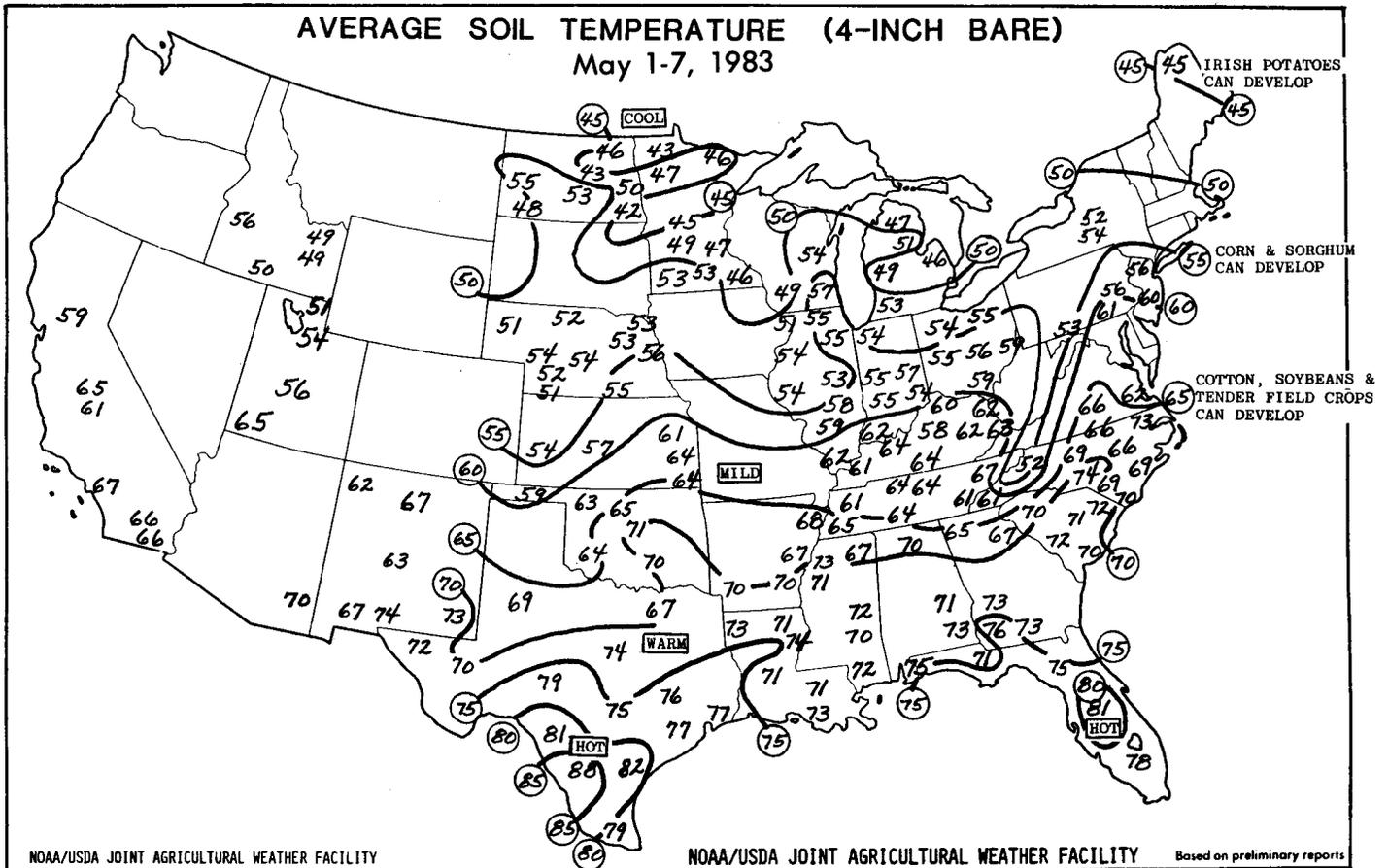
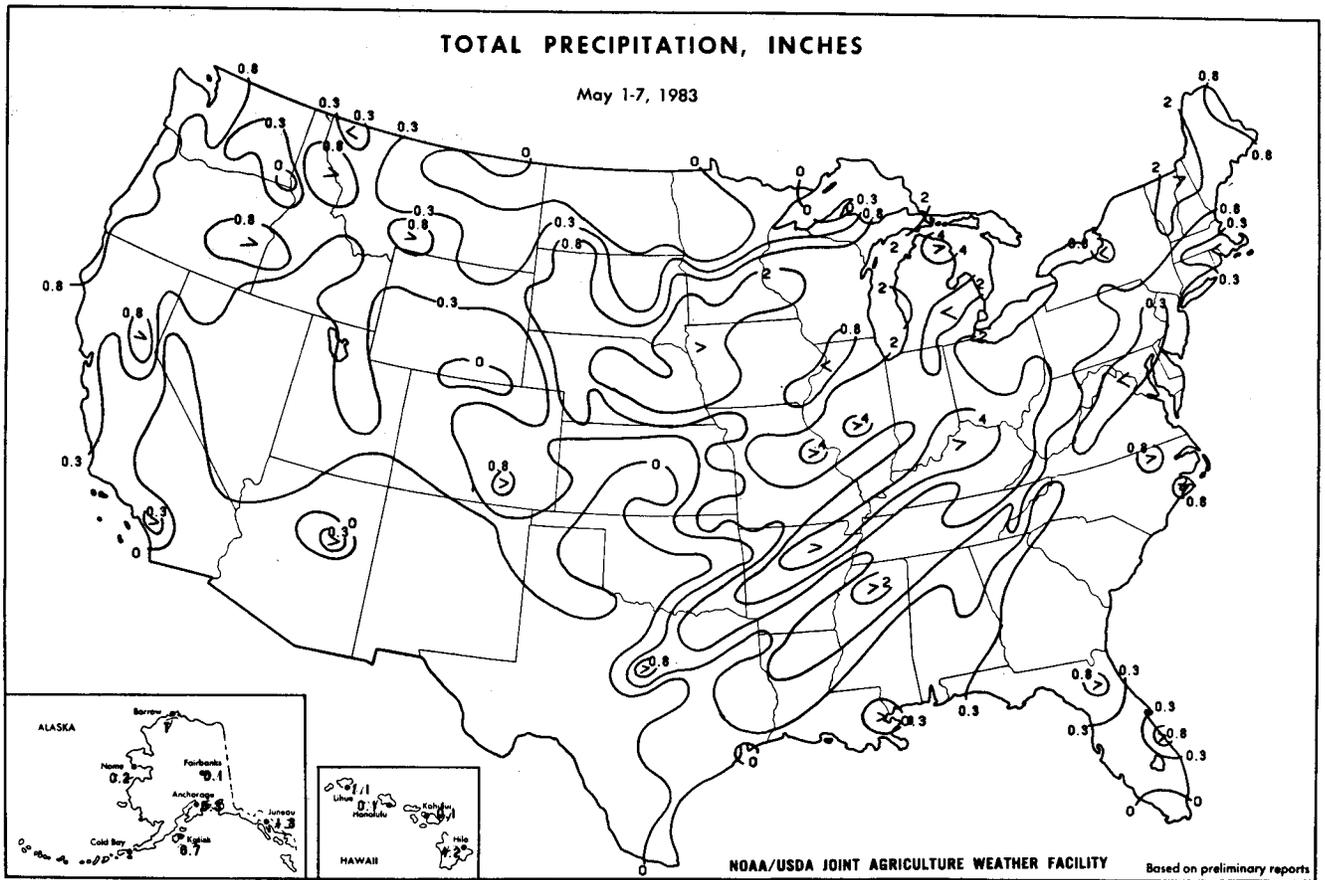
HIGHLIGHTS: A cold front was stationary from New England to Oklahoma at the beginning of the week and spread showers and thunderstorms along, ahead of, and well behind the front. Severe weather including tornadoes, hail, and heavy downpours occurred along the front from central Arkansas into the Ohio Valley and resulted in severe flooding. The front began moving eastward early in the week and spread heavy showers over the western Appalachians and lighter showers through the South and East. Light to moderate showers fell over the Pacific Coast States and spread over the Plateau to the central and northern Rockies. More rain began to move into the central Plains at midweek and moved eastward through the midwest and to the east coast. Much cooler weather moved over the East at midweek.

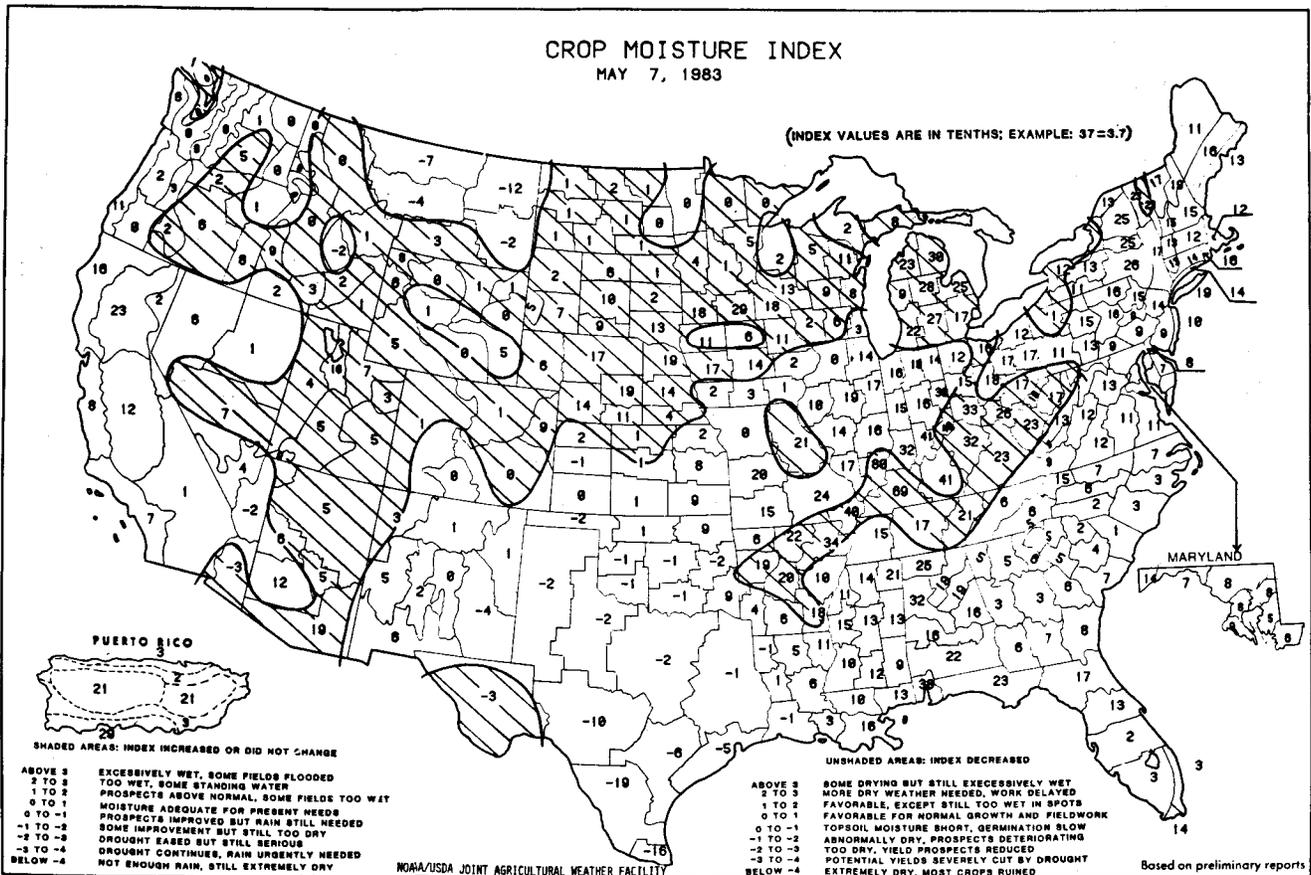
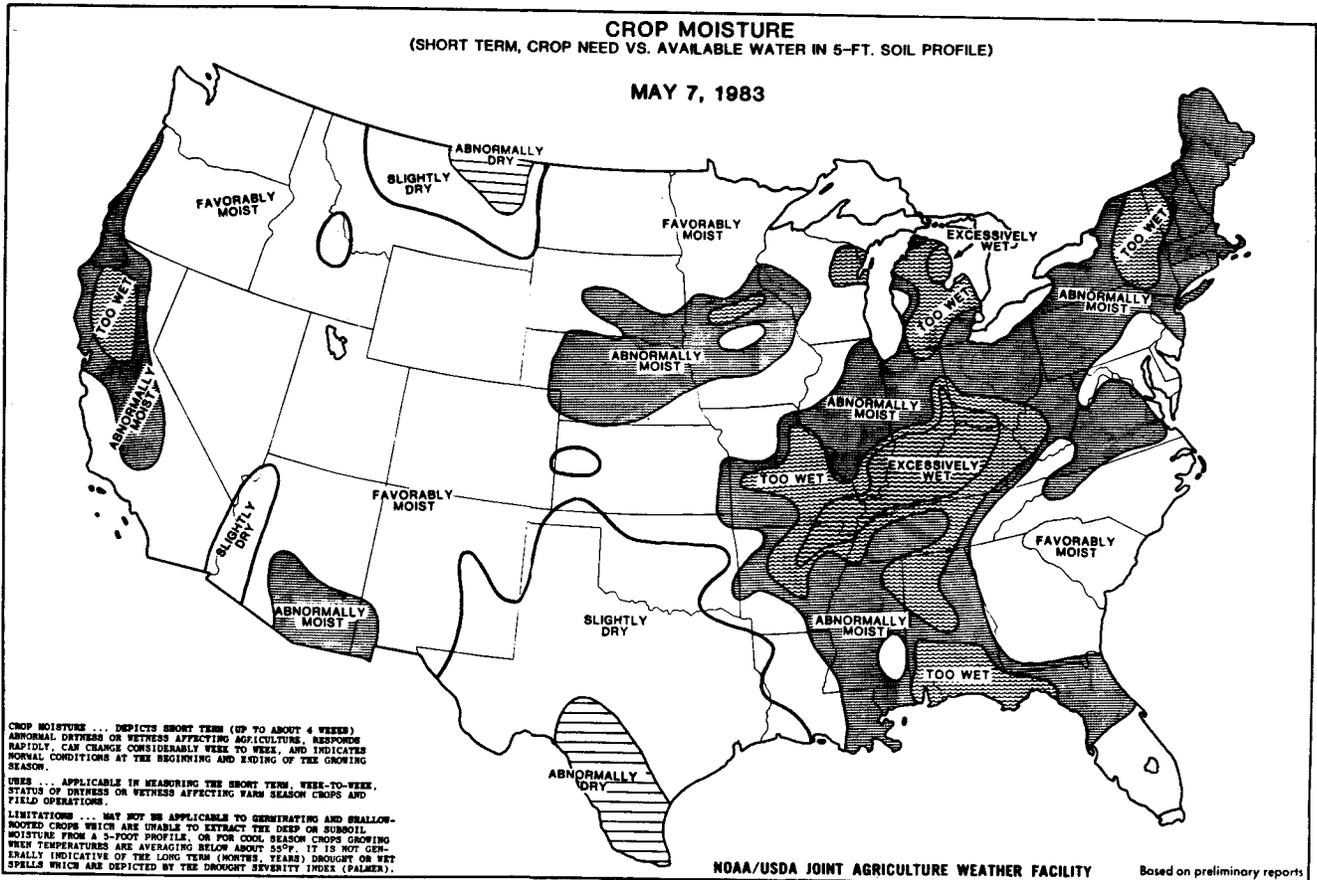
SUNDAY... The strong stationary front remained along the general line from New England to Oklahoma, but the heavy precipitation pushed northward into eastern Nebraska and western Iowa, and along a line from northern Missouri to southern Michigan. Moderate rain fell in the Ohio Valley and in parts of New York and New England. Light showers fell in the West Coast States, the central Plateau, and the central Rockies. Temperatures warmed to the eighties south of the stationary front.

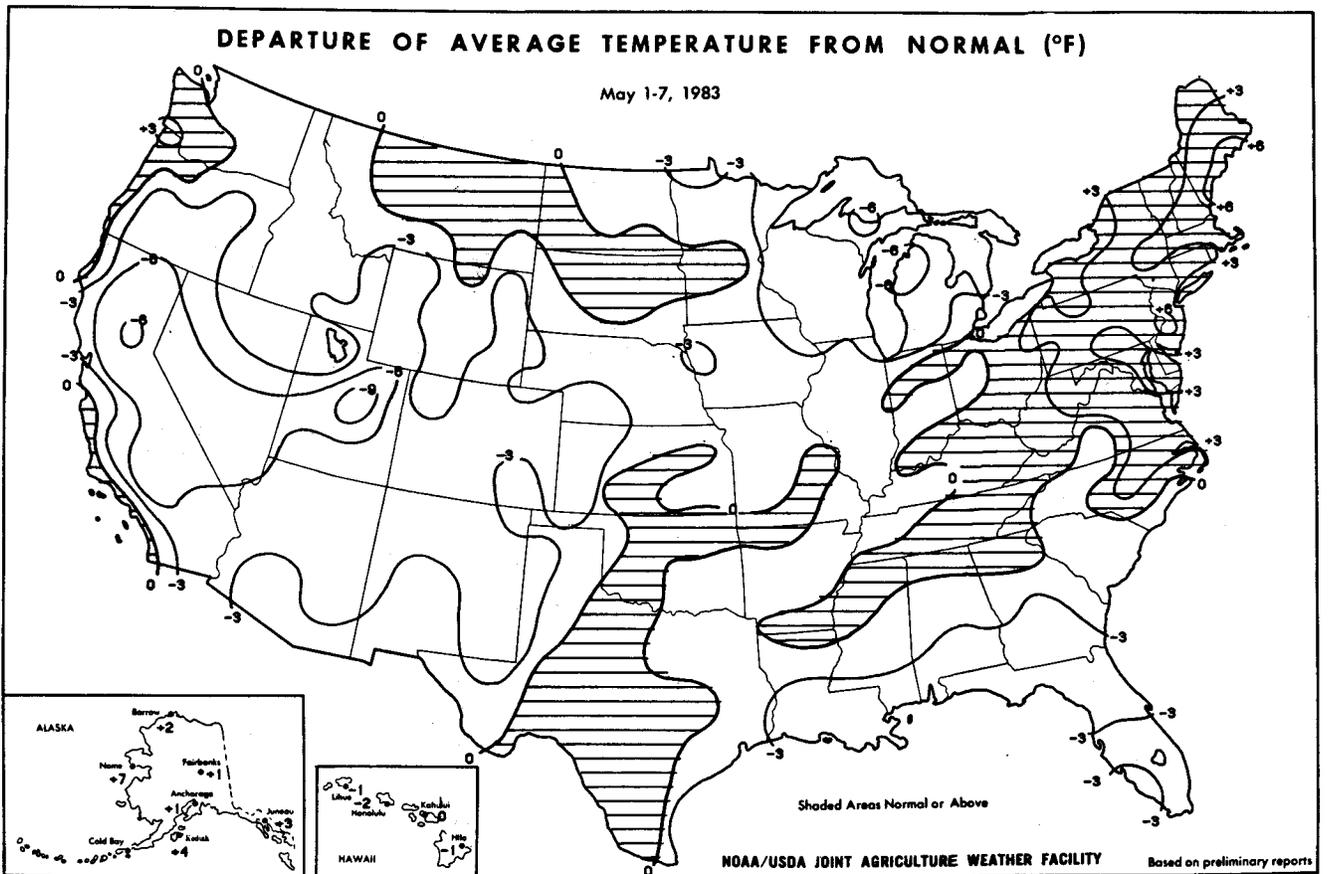
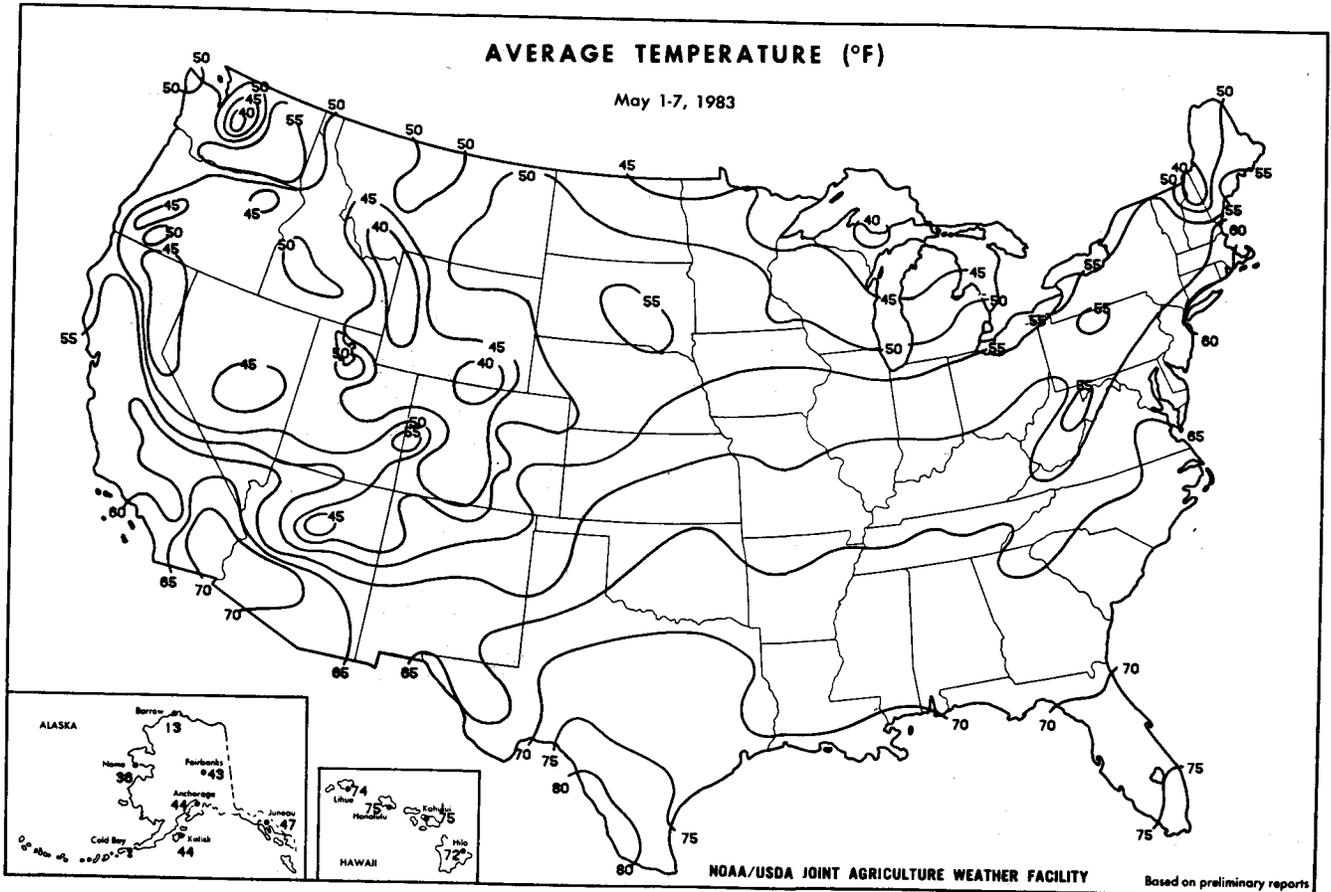
MONDAY... The previously stationary front began to move eastward. Heavy downpours and severe weather spanned an area from west central Arkansas to western Kentucky. Moderate to heavy showers and thunderstorms extended on through the Ohio Valley. Lighter showers and a few thunderstorms reached from eastern Nebraska through the Great Lakes States to the Northeast and from eastern Texas to Mississippi. Light showers fell in the northern and central Rockies.

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Weather Data for the Week Ending May 7, 1983

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 Feb. 27	PCT. NORMAL SINCE Feb. 27	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	52	84	44	65	-2	.3	-.8	.3	14.7	101	25.9	113	87	39	0	0	1	0
MOBILE	79	56	82	48	68	-5	.1	-1.2	.1	22.4	147	37.3	161	89	45	0	0	1	0
MONTGOMERY	81	53	86	45	67	-3	.1	-.8	.1	21.7	171	34.5	173	91	43	0	0	1	0
AK ANCHORAGE	52	35	59	31	44	1	.3	.2	.2	1.5	115	2.0	67	89	49	0	1	3	0
BARROW	18	8	21	6	13	2	T	-.1	T	.2	29	.3	25	90	67	0	7	0	0
FAIRBANKS	52	34	58	29	43	1	.1	0	T	.4	44	.8	42	58	27	0	2	3	0
JUNEAU	52	41	64	39	47	3	1.3	.5	.6	4.4	54	9.7	66	97	63	0	0	5	1
KODIAK	51	38	54	33	44	4	-.7	-1.0	.3	11.6	98	28.3	138	86	53	0	0	4	0
NOME	42	30	49	24	36	7	.2	-.1	.2	1.6	84	1.8	53	91	62	0	5	3	0
AZ PHOENIX	85	59	92	54	72	-1	0	-.1	0	3.3	254	5.2	200	43	12	2	0	0	0
PRESOTT	65	37	73	32	51	-3	0	-.1	0	3.4	142	4.9	98	70	27	0	1	0	0
TUCSON	84	50	98	47	67	-3	0	-.1	0	1.5	115	4.2	156	42	10	1	0	0	0
YUMA	86	59	93	54	72	-3	0	-.1	0	.2	50	1.3	144	45	15	3	0	0	0
AR FORT SMITH	79	52	84	39	65	-1	.1	-1.0	.1	5.0	50	8.1	56	88	33	0	0	2	0
LITTLE ROCK	78	57	85	49	68	0	1.9	-.7	1.4	12.7	97	16.6	83	78	51	0	0	4	1
CA BAKERSFIELD	71	49	76	46	60	-7	T	-.1	T	3.1	163	6.6	194	89	40	0	0	0	0
EUREKA	59	48	62	43	54	3	.8	-.4	.3	17.0	183	34.8	168	88	68	0	0	5	0
FRESNO	71	50	76	48	60	-4	.2	0	.1	8.2	241	16.3	251	87	40	0	0	2	0
LOS ANGELES	68	54	71	51	61	-1	-.2	-.1	.2	9.8	306	19.6	251	87	51	0	0	1	0
RED BLUFF	67	47	74	39	57	-7	.4	-.1	.4	15.5	330	28.7	247	88	49	0	0	2	0
SACRAMENTO	66	46	71	39	56	-7	.3	-.1	.3	12.1	281	21.4	214	91	49	0	0	1	0
SAN DIEGO	69	59	71	56	64	2	0	-.1	0	8.9	318	14.2	241	79	53	0	0	0	0
SAN FRANCISCO	60	49	62	44	55	-2	.3	-.2	.2	13.1	262	25.9	223	84	58	0	0	2	0
CO DENVER	61	39	70	37	50	-3	.5	0	.2	7.2	176	7.4	157	78	31	0	0	4	0
GRAND JUNCTION	67	42	75	33	55	-3	.1	-.1	T	3.0	158	4.2	140	87	28	0	0	2	0
PUEBLO	68	41	80	33	55	-3	.3	-.3	.3	3.5	140	4.1	141	82	23	0	0	1	0
CT BRIDGEPORT	64	49	70	40	57	2	.3	-.5	.3	15.7	167	27.9	201	88	54	0	0	1	0
HARTFORD	72	48	81	37	60	5	-.2	-.6	.2	15.8	156	25.2	164	79	41	0	0	3	0
DC WASHINGTON	76	56	82	46	66	4	T	-.7	T	11.9	149	16.9	136	76	38	0	0	1	0
FL APALACHICOLA	78	59	81	53	68	-4	-.2	-.4	.2	17.8	189	26.9	179	90	57	0	0	2	0
DAYTONA BEACH	79	56	87	51	67	-6	-.2	-.3	.2	14.1	214	22.6	205	96	52	0	0	1	0
JACKSONVILLE	83	54	87	48	69	-3	.3	-.7	.3	13.5	150	24.9	174	98	40	0	0	1	0
KEY WEST	81	73	85	72	77	-2	T	-.5	T	8.7	218	29.8	420	79	57	0	0	0	0
MIAMI	84	67	91	64	76	-1	T	-1.1	T	7.5	109	18.2	177	85	45	1	0	1	0
ORLANDO	84	61	89	59	72	-3	.2	-.4	.2	9.8	142	19.7	171	92	41	0	0	1	0
TALLAHASSEE	83	54	86	47	68	-3	.4	-.7	.4	21.8	176	31.7	162	96	39	0	0	1	0
TAMPA	83	63	86	56	73	-2	-.2	-.4	.2	11.0	157	19.1	168	90	47	0	0	1	0
WEST PALM BEACH	82	68	88	64	75	-1	-.2	-.9	.2	9.2	114	26.5	214	87	56	0	0	1	0
GA ATLANTA	77	53	84	47	65	-1	-.2	-.2	.2	12.0	96	19.7	99	82	37	0	0	1	0
AUGUSTA	81	52	85	44	67	-1	.6	-.8	.6	13.5	136	23.2	146	85	35	0	0	1	1
MACON	83	55	88	48	69	-1	.4	-.4	.4	11.2	104	24.2	136	79	35	0	0	1	0
SAVANNAH	81	58	85	52	70	-1	.5	-.4	.4	15.1	162	25.8	183	90	37	0	0	2	0
HI HILO	77	67	80	65	72	-1	4.2	-1.7	2.0	16.7	50	18.3	36	93	66	0	0	7	2
HONOLULU	83	68	84	66	75	-2	.1	-.2	T	1.0	18	1.3	11	86	48	0	0	3	0
KAHULUI	82	68	83	67	75	0	.1	-.1	.1	1.3	28	1.9	18	83	52	0	0	3	0
LIHUE	79	69	80	68	74	-1	1.1	-.4	.4	2.7	28	3.5	18	84	58	0	0	5	0
ID BOISE	60	43	70	40	52	-2	1.7	1.4	1.0	6.8	227	9.7	183	89	47	0	0	3	2
LEWISTON	64	45	74	41	54	-1	T	-.3	T	2.2	85	4.7	107	85	43	0	0	0	0
POCATELLO	59	39	66	34	49	-1	.7	.4	.5	4.5	155	6.1	139	87	40	0	0	2	0
IL CHICAGO	62	40	77	36	51	-4	1.5	.7	1.1	12.8	158	15.6	151	85	52	0	0	4	1
MOLINE	66	45	83	35	55	-2	.5	-.5	.3	7.9	90	9.9	93	89	45	0	0	5	0
PEORIA	67	47	81	42	57	-1	2.3	1.4	2.0	12.0	140	13.5	124	86	52	0	0	4	1
QUINCY	66	48	81	41	57	-2	1.9	-.9	1.7	11.6	130	12.5	113	87	50	0	0	3	1
ROCKFORD	64	42	79	34	53	-2	.4	-.5	.2	6.9	78	9.1	83	94	50	0	0	3	0
SPRINGFIELD	68	48	82	40	58	-2	1.6	-.8	1.5	9.5	109	10.9	97	88	55	0	0	2	1
IN EVANSVILLE	73	53	82	43	63	1	3.0	2.0	1.1	17.7	159	20.3	122	86	47	0	0	5	7
FORT WAYNE	67	46	76	38	57	1	1.9	1.1	1.4	8.4	101	10.1	85	82	49	0	0	4	1
INDIANAPOLIS	70	46	79	39	58	-1	2.2	1.4	1.2	9.7	103	11.7	87	96	53	0	0	4	1
SOUTH BEND	63	42	75	35	52	-3	2.1	1.4	1.6	10.0	111	11.7	95	92	56	0	0	3	2
IA DES MOINES	66	47	83	44	57	-1	1.6	-.8	.7	9.0	127	12.3	143	85	48	0	0	6	1
SIoux CITY	64	45	77	38	54	-3	3.3	2.6	1.7	10.6	200	11.7	189	80	45	0	0	6	3
WATERLOO	62	44	77	38	53	-2	1.9	1.0	.7	8.1	108	10.3	120	91	53	0	0	4	2
KS CONCORDIA	69	45	84	41	57	-2	T	-.7	T	5.4	104	8.2	137	84	40	0	0	1	0
DODGE CITY	75	46	85	38	61	0	T	-.7	T	5.6	140	7.5	156	74	28	0	0	0	0
GOODLAND	64	39	75	34	51	-4	T	-.5	T	4.1	141	5.2	149	88	40	0	0	1	0
TOPEKA	73	50	87	43	61	0	.8	0	.7	11.6	168	12.9	159	78	38	0	0	3	1
WICHITA	74	47	87	42	61	-1	T	-.8	T	8.9	165	11.7	177	85	33	0	0	0	0
KY BOWLING GREEN	72	52	78	44	62	-1	1.6	.7	1.1	12.6	105	17.0	83	95	54	0	0	3	1
LEXINGTON	72	51	82	44	61	1	5.7	4.8	3.1	12.3	113	15.1	89	89	47	0	0	4	4
LOUISVILLE	73	53	81	47	63	1	4.3	3.3	2.5	13.6	119	16.6	97	83	43	0	0	4	3
LA ALEXANDRIA	80	59	84	48	70	-2	.7	-.8	.4	9.9	73	20.8	96	76	41	0	0	2	0
BATON ROUGE	80	58	83	49	69	-4	-.1	-1.2	.1	19.1	144	29.3	140	89	42	0	0	2	0
LAKE CHARLES	80	60	83	50	70	-2	.3	-.9	.3	5.0	51	14.9	86	93	50	0	0	1	0
NEW ORLEANS	80	59	82	50	70	-3	.3	-.8	.3	19.4	159	35.1	173	95	47	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending May 7, 1983

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 Feb. 27	PCT. NORMAL SINCE Feb. 27	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	
ME SHREVEPORT	82	57	86	45	69	-1	.2	.9	.2	5.3	48	16.3	94	93	43	0	0	2	6	
ME CARIBOU	60	41	70	34	50	5	.8	.2	.5	8.5	133	13.6	136	89	45	0	0	0	1	
ME PORTLAND	64	44	74	37	54	5	1.1	.3	.5	17.5	180	26.0	171	89	51	0	0	1	1	
MD BALTIMORE	75	50	82	41	62	3	.1	.7	.1	13.4	154	20.5	152	83	38	0	0	2	0	
MD SALISBURY	74	51	79	39	62	3	.4	.3	.4	13.4	149	18.5	125	97	50	0	0	1	0	
MA BOSTON	72	54	81	48	63	8	.3	.5	.2	16.8	173	26.8	170	82	44	0	0	4	0	
MA CHATHAM	60	49	62	43	55	5	.1	.9	.1	17.7	192	27.0	156	88	72	0	0	1	0	
MI ALPENA	51	35	60	32	43	-4	4.7	4.0	2.0	10.1	180	13.4	163	93	60	0	0	1	3	
MI DETROIT	64	41	74	35	52	-2	2.8	2.1	1.2	9.0	123	10.6	105	87	49	0	0	5	2	
MI FLINT	62	39	71	33	51	-2	1.9	1.3	1.0	8.1	121	10.1	106	92	55	0	0	5	2	
MI GRAND RAPIDS	61	37	73	28	49	-4	2.2	1.5	1.5	10.7	137	13.3	129	74	46	0	0	1	4	
MI HOUGHTON LAKE	54	36	60	29	45	-5	2.2	1.6	1.3	6.8	126	8.9	116	90	63	0	0	1	5	
MI LANSING	62	37	73	29	49	-4	1.7	1.1	1.1	9.1	138	10.9	114	95	58	0	0	1	4	
MI MARQUETTE	48	29	53	21	38	-7	.1	.8	T	8.3	102	14.2	131	96	39	0	4	2	0	
MI MUSKOGON	58	37	69	27	47	-5	1.1	.5	.6	7.2	97	9.5	90	91	59	0	3	4	1	
MI SAULT STE. MARIE	53	31	62	27	42	-4	1.1	.4	.6	6.4	119	9.7	115	92	42	0	4	2	1	
MN ALEXANDRIA	63	40	71	35	52	1	T	.6	T	2.4	53	3.5	66	79	28	0	0	0	0	
MN DULUTH	54	30	65	27	42	-4	T	.6	T	4.4	88	6.2	95	74	33	0	6	1	0	
MN INT'L FALLS	59	32	66	28	45	-2	T	.4	T	1.8	47	2.9	60	77	30	0	4	1	0	
MN MINNEAPOLIS	62	42	68	39	52	-2	3.5	2.9	1.3	10.6	226	12.4	221	85	43	0	0	5	4	
MN ROCHESTER	59	40	63	34	49	-3	1.7	1.0	.7	6.2	109	8.2	130	85	47	0	0	5	2	
MS GREENWOOD	78	59	83	49	69	-1	1.1	.1	1.1	14.5	99	25.8	114	91	53	0	0	1	1	
MS JACKSON	80	57	85	45	68	-1	.2	1.0	.2	21.9	148	36.0	162	94	45	0	0	2	0	
MS MERIDIAN	81	53	85	43	67	-2	T	1.0	T	18.7	128	31.0	140	95	44	0	0	1	0	
MO CAPE GIRARDEAU	71	55	78	46	63	--	2.3	1.2	1.9	17.2	155	18.6	113	92	58	0	0	4	1	
MO COLUMBIA	68	50	82	42	59	-2	2.1	1.1	1.9	14.1	160	14.9	134	91	49	0	0	3	1	
MO KANSAS CITY	69	49	81	44	59	-2	.7	.2	.4	9.1	121	10.3	112	86	48	0	0	3	0	
MO SAINT LOUIS	72	52	84	43	62	0	1.5	.7	1.4	12.2	142	13.9	122	90	45	0	0	3	1	
MO SPRINGFIELD	72	50	81	41	61	-1	1.7	.7	.9	14.5	158	15.8	131	83	44	0	0	3	2	
MT BILLINGS	62	38	73	32	50	-1	.6	.1	.5	1.9	48	2.3	47	80	38	0	2	2	1	
MT GLASGOW	67	40	73	32	53	3	0	.3	0	.7	44	.9	38	68	27	0	1	0	0	
MT GREAT FALLS	63	38	69	30	50	1	T	.4	T	1.9	59	2.3	51	77	31	0	1	1	0	
MT HAVRE	66	38	71	32	52	1	T	.3	T	1.1	44	2.1	66	79	27	0	2	0	0	
MT HELENA	63	38	69	32	51	2	.1	.2	.1	1.0	45	1.4	50	72	31	0	1	1	0	
MT KALISPELL	60	36	70	30	48	0	.3	.1	.2	3.9	163	5.8	126	95	45	0	1	2	0	
MT MILES CITY	-66	41	74	33	54	1	.1	.3	.1	1.0	34	1.3	38	79	26	0	0	1	0	
MT MISSOULA	61	36	65	30	48	-1	1.3	1.0	.7	3.2	139	4.7	121	86	38	0	1	4	1	
NE GRAND ISLAND	64	45	74	41	54	-3	2.1	1.3	1.3	6.8	126	7.8	132	84	47	0	0	3	2	
NE LINCOLN	68	46	82	40	57	-1	2.2	1.4	2.1	7.0	121	8.5	131	90	44	0	0	4	1	
NE NORFOLK	65	44	79	40	54	-2	1.5	.8	1.3	7.3	152	8.7	150	89	41	0	0	3	1	
NE NORTH PLATTE	63	40	77	34	51	-3	.8	.1	.6	4.5	115	5.1	113	87	42	0	0	3	1	
NE OMAHA	65	47	77	41	56	-2	2.4	1.6	1.4	10.1	168	12.3	173	85	54	0	0	4	2	
NE SCOTTSBLUFF	60	37	72	33	49	-4	.1	.4	.1	4.3	134	4.5	132	92	39	0	0	1	0	
NE VALENTINE	64	38	79	30	51	-2	1.8	1.2	1.4	4.6	121	4.7	109	82	35	0	2	2	1	
NV ELY	56	28	65	24	42	-5	.1	.1	.1	3.6	150	6.0	182	89	36	0	6	3	0	
NV LAS VEGAS	76	51	84	46	63	-6	.2	.1	.2	1.6	178	2.4	150	56	18	0	0	1	0	
NV RENO	58	31	65	29	45	-7	T	.1	T	3.0	231	5.7	184	88	33	0	5	0	0	
NV WINNEMUCCA	61	35	69	30	48	-3	.4	.2	.2	2.8	140	4.7	134	84	32	0	3	3	0	
NH CONCORD	70	45	76	32	57	6	1.5	.8	.8	14.5	193	20.6	175	88	43	0	1	4	2	
NJ ATLANTIC CITY	72	50	76	42	61	4	.2	.5	.2	13.5	147	19.3	127	91	48	0	0	1	0	
NM ALBUQUERQUE	74	40	83	33	57	-3	T	.1	T	.6	50	2.4	133	42	9	0	0	0	0	
NM CLOVIS	74	45	84	38	59	-3	T	.4	T	1.2	55	2.6	93	50	14	0	0	0	0	
NM ROSWELL	81	47	88	38	64	-3	0	.1	0	.7	70	1.3	87	35	12	0	0	0	0	
NY ALBANY	69	49	78	39	59	5	1.7	1.0	.7	14.8	203	20.5	192	86	52	0	0	5	2	
NY BINGHAMTON	64	48	73	34	56	5	1.2	.5	.6	12.3	166	16.3	146	83	48	0	0	4	1	
NY BUFFALO	62	44	80	33	53	1	1.5	.8	.6	7.2	95	9.9	80	92	51	0	0	6	1	
NY NEW YORK	69	53	73	47	61	3	.4	.5	.3	20.0	206	27.1	187	84	46	0	0	2	0	
NY ROCHESTER	64	45	84	31	55	2	1.3	.7	.5	7.3	107	9.9	94	92	50	0	1	5	2	
NY SYRACUSE	66	46	78	34	56	3	.7	0	.3	9.4	116	12.4	99	89	56	0	0	4	0	
NC ASHEVILLE	72	46	78	35	59	-1	.2	.7	.2	12.0	111	20.9	127	97	43	0	0	1	0	
NC CHARLOTTE	77	52	82	42	65	-1	.5	.2	.5	9.3	99	17.0	108	82	32	0	0	1	1	
NC GREENSBORO	75	50	81	40	63	-1	.7	0	.7	12.0	136	17.2	119	87	37	0	0	1	1	
NC HATTERAS	73	59	78	52	66	2	.7	.2	.7	15.1	170	31.7	194	91	57	0	0	1	1	
NC NEW BERN	78	57	83	51	68	1	.7	.2	.7	13.6	162	25.6	168	93	44	0	0	1	1	
NC RALEIGH	77	51	83	39	64	0	.4	.4	.4	12.1	148	19.9	142	90	38	0	0	1	0	
NC WILMINGTON	76	54	80	46	65	-3	.4	.4	.4	12.1	136	24.3	166	98	49	0	0	1	0	
ND BISMARCK	64	35	72	31	50	-1	T	.4	T	2.3	77	2.8	74	70	22	0	1	0	0	
ND FARGO	65	35	71	28	50	-1	T	.5	T	2.6	72	3.3	80	73	25	0	1	0	0	
ND GRAND FORKS	64	33	76	28	49	-1	0	.4	0	2.4	86	3.0	83	73	25	0	4	0	0	
ND WILLISTON	68	36	75	27	52	2	T	.3	T	1.1	44	1.5	48	68	24	0	3	0	0	
OH AKRON-CANTON	68	48	80	38	58	3	1.7	.9	.8	9.6	116	12.5	102	87	52	0	0	5	2	
OH CINCINNATI	71	49	79	39	60	1	4.7	3.9	1.4	11.7	122	14.4	97	88	48	0	0	5	4	
OH CLEVELAND	66	46	77	38	56	2	1.6	.8	.6	8.4	101	10.8	89	85	50	0	0	5	1	
OH COLUMBUS	68	50	78	40	59	1	1.7	.8	.6	9.0	102	10.9	84	88	50	0	0	5	2	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending May 7, 1983

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 Feb. 27	PCT. NORMAL SINCE Feb. 27	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	67	46	77	33	57	-1	2.4	1.6	.7	9.9	119	12.0	97	82	48	0	0	5	3
TOLEDO	66	43	76	36	55	0	1.9	1.3	.9	8.0	114	9.4	94	92	55	0	0	5	1
YOUNGSTOWN	66	47	78	37	57	3	1.0	.2	.5	9.9	116	12.2	195	86	56	0	0	4	0
OK OKLAHOMA CITY	77	53	84	43	65	0	0	-1.1	0	4.8	72	9.3	109	76	30	0	0	0	0
TULSA	80	56	87	47	68	2	.2	-.9	.2	6.2	69	11.1	99	80	33	0	0	1	0
OR ASTORIA	60	46	62	40	53	3	1.1	.4	1.0	14.2	101	36.4	123	94	61	0	0	6	1
BURNS	57	35	64	31	46	-3	.8	.7	.7	4.9	288	8.7	202	84	49	0	2	3	1
MEDFORD	62	40	71	34	51	-3	.5	.2	.2	4.8	141	11.4	131	97	52	0	0	3	0
PENDLETON	62	45	71	41	53	-2	.5	.2	.2	4.2	162	6.4	131	83	49	0	0	4	0
PORTLAND	62	49	66	43	55	1	.3	.2	.1	9.1	125	23.1	141	87	51	0	0	3	0
SALEM	62	43	66	34	53	0	.7	-.3	.6	12.1	148	28.5	151	97	62	0	0	3	1
PA ALLENTOWN	71	51	76	39	61	5	.2	-.7	-.1	13.6	140	19.7	137	84	44	0	0	3	0
ERIE	66	45	80	36	56	4	1.4	.6	.8	7.4	94	10.2	87	83	52	0	0	4	1
HARRISBURG	70	51	78	42	61	2	.6	-.2	.4	13.5	163	19.1	153	76	44	0	0	4	0
PHILADELPHIA	76	55	83	48	66	7	.2	-.5	.2	14.8	164	21.1	156	81	38	0	0	2	0
PITTSBURGH	68	47	83	33	58	1	1.0	-.3	.5	8.9	103	11.8	91	85	43	0	0	4	1
SCRANTON	68	50	76	39	59	4	.5	-.2	.2	12.8	180	15.5	149	78	49	0	0	3	0
RI PROVIDENCE	69	51	76	43	60	6	.2	-.7	.2	20.6	196	29.9	185	83	46	0	0	1	0
SC CHARLESTON	79	59	81	51	69	-1	.4	-.4	.3	16.0	180	26.6	187	95	39	0	0	2	0
COLUMBIA	82	52	86	42	67	-2	.5	-.4	.5	14.5	138	22.5	139	93	31	0	0	1	0
FLORENCE	80	55	85	44	67	-1	.5	-.1	.5	14.1	164	22.8	169	95	39	0	0	2	1
SD GREENVILLE	77	51	82	43	64	-2	.5	-.5	.5	11.2	92	19.0	98	88	38	0	0	1	0
ABERDEEN	67	40	74	31	53	1	.2	-.3	.2	3.4	89	3.8	84	77	28	0	1	2	0
HURON	65	41	76	30	53	0	.1	-.4	.1	3.7	93	3.8	84	90	33	0	1	3	0
RAPID CITY	63	39	76	34	51	-1	1.2	.7	.6	3.1	79	3.4	79	83	42	0	0	3	1
SIoux FALLS	62	42	77	34	52	-2	2.6	1.9	1.5	8.7	171	9.5	153	94	51	0	0	4	2
TN CHATTANOOGA	78	52	85	42	65	0	.2	-.8	.2	10.2	78	17.3	79	85	31	0	0	2	0
KNOXVILLE	78	53	85	41	65	1	.6	-.2	.6	8.7	76	13.2	67	82	35	0	0	1	1
MEMPHIS	77	58	83	49	68	0	.4	-.9	.3	12.8	92	17.6	80	91	48	0	0	2	0
NASHVILLE	77	54	82	45	66	1	1.8	-.8	1.8	12.1	99	17.6	88	84	37	0	0	3	1
TX ABILENE	85	58	94	46	72	2	0	-.7	0	2.5	53	4.8	79	62	18	1	0	0	0
AMARILLO	77	43	86	35	60	-2	T	-.5	T	1.8	72	4.8	150	65	18	0	0	0	0
AUSTIN	86	63	93	53	74	2	.1	-.9	.1	6.2	94	11.1	102	83	36	2	0	1	0
BEAUMONT	79	62	81	49	70	-3	T	-1.0	.1	5.4	59	14.9	92	97	59	0	0	1	0
BROWNSVILLE	87	68	92	55	77	-1	.1	-.3	.1	.7	24	4.4	81	87	46	2	0	1	0
CORPUS CHRISTI	84	65	89	52	75	-2	T	-.6	T	3.0	71	7.1	97	94	53	0	0	1	0
DEL RIO	92	65	97	56	79	3	T	-.5	T	1.1	31	2.8	60	76	27	5	0	0	0
EL PASO	81	51	87	39	66	-2	0	0	0	1.8	360	2.7	225	34	11	0	0	0	0
FORT WORTH	82	59	87	46	70	0	.3	-.7	.2	5.3	66	9.1	81	78	32	0	0	2	0
GALVESTON	76	66	79	60	71	-2	T	-.7	T	3.1	48	10.6	94	92	67	0	0	0	0
HOUSTON	84	60	88	48	72	-1	.3	-.8	.1	4.7	51	10.7	69	91	40	0	0	4	0
LUBBOCK	82	49	92	37	66	0	0	-.5	0	1.4	50	4.4	126	52	13	2	0	0	0
MIDLAND	88	52	96	42	70	1	0	-.4	0	.3	15	1.8	62	45	8	2	0	0	0
SAN ANGELO	89	58	95	43	73	2	0	-.6	0	2.0	54	4.5	90	77	17	3	0	0	0
SAN ANTONIO	88	63	93	49	76	2	T	-.8	T	4.0	73	7.0	83	81	33	3	0	1	0
VICTORIA	84	65	87	55	75	0	T	-.8	T	4.5	76	10.0	109	88	46	0	0	2	0
WACO	84	58	92	45	71	0	T	-1.1	T	3.6	44	7.8	67	85	40	-1	0	0	0
WICHITA FALLS	84	54	92	45	69	1	0	-1.0	0	3.4	52	6.2	77	79	25	1	0	0	0
UT BLANDING	63	35	69	29	49	-4	T	-.1	T	2.5	139	5.6	160	73	22	0	2	0	0
CEDAR CITY	62	36	70	31	49	-3	.2	-.1	.1	4.2	156	6.1	165	71	26	0	2	3	0
SALT LAKE CITY	63	43	70	39	53	-2	.3	-.1	.2	6.1	122	8.6	128	85	38	0	0	4	0
VT BURLINGTON	65	47	74	40	56	5	1.0	-.4	.7	10.2	165	15.0	167	84	48	0	0	5	1
VA NORFOLK	76	55	83	45	66	2	.6	-.2	.4	11.8	142	20.1	143	89	36	0	0	2	0
RICHMOND	78	54	84	44	66	3	.5	-.3	.4	11.9	147	17.4	134	90	38	0	0	2	0
ROANOKE	72	49	79	38	61	-1	.2	-.6	.2	14.6	172	20.0	150	85	39	0	0	1	0
WA COLVILLE	62	41	70	37	51	0	.5	.2	.3	6.0	188	11.0	169	85	52	0	0	2	0
QUILLAYUTE	57	42	61	35	50	0	1.7	.5	1.0	18.7	85	52.7	115	97	63	0	0	4	2
SEATTLE-TACOMA	59	47	64	43	53	1	1.2	.8	.7	6.2	86	17.7	109	89	54	0	0	3	1
SPOKANE	61	40	67	35	51	0	.5	.2	.3	3.4	103	7.5	106	91	41	0	0	3	0
YAKIMA	67	44	72	36	56	2	.2	.2	.2	2.7	300	6.3	210	71	34	0	0	2	0
WV BECKLEY	69	49	79	35	59	3	.6	-.2	.6	5.6	58	7.6	49	80	39	0	0	3	1
CHARLESTON	73	51	88	36	62	1	1.6	-.8	1.1	8.6	92	12.5	84	84	35	0	0	4	1
HUNTINGTON	72	53	87	40	62	1	2.6	1.7	1.2	8.2	86	11.5	79	95	47	0	0	5	2
PARKERSBURG	71	52	85	39	61	2	2.2	1.3	.8	11.2	120	15.0	101	81	41	0	0	4	2
WI GREEN BAY	53	36	58	28	45	-6	1.6	.9	.5	4.5	78	6.7	92	88	47	0	2	4	1
LA CROSSE	61	43	66	38	52	-3	1.5	.7	.9	5.2	78	6.8	87	83	42	0	0	3	2
MADISON	58	38	72	28	48	-5	1.4	.6	.4	6.4	94	9.1	111	93	49	0	2	5	0
MILWAUKEE	54	39	65	33	46	-5	1.2	.6	.6	10.1	140	13.1	142	90	54	0	0	3	1
WAUSAU	56	37	63	30	47	-4	1.3	.6	.4	4.0	63	6.1	76	86	36	0	1	4	0
WY CASPER	59	34	65	26	47	-2	.2	-.3	.1	4.7	142	5.6	144	91	38	0	1	4	0
CHEYENNE	56	35	65	31	46	-2	T	-.5	T	6.8	234	6.8	194	88	38	0	1	0	0
LANDER	59	35	65	33	47	-2	T	-.6	T	5.4	123	6.0	118	80	31	0	0	1	0
SHERIDAN	64	36	72	27	50	1	.3	-.3	.3	1.4	33	1.7	33	80	35	0	1	1	0
PR SAN JUAN	87	78	91	77	83	3	.3	-.8	.2	6.6	84	7.5	56	89	70	1	0	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

April Weather and Crop Summary

WEATHER SUMMARY

HIGHLIGHTS: Above-normal precipitation fell in most of the area east of the Mississippi River but parts of the Great Lakes area, the upper Mississippi Valley, and the northern Plains and Rockies were drier than normal. The first half of the month was dry on the west coast; however, rains during the latter half brought the total to well above normal along the coast and on the central Plateau. Above-normal precipitation also fell in the central Rockies and much of the central Plains. A late-season snow fell over the southern and central High Plains early in the month and then moved through Nebraska to the Great Lakes and the western part of the Northeast. A cold outbreak in the latter half of the month pushed freezing temperatures into northern Alabama, central Georgia, and western South Carolina seriously damaging fruits and vegetables. Average temperatures over the Nation were generally cooler than normal in most areas. Temperatures were near normal or slightly warmer along the Northwest border and in New England.

FIRST WEEK...A deep low-pressure system, with a cold front trailing southward, moved to the middle Mississippi Valley during the first 2 days of the month and then moved on northeastward. Showers and thunderstorms, heavy at times, covered the eastern portion of the central Plains and all of the East. Another storm later in the first week moved out of the Southwest, triggering late-season snow from western Texas through the western part of the central Plains into Wyoming. As the storm moved northeastward, snow fell from northern Nebraska and southern South Dakota to the western Great Lakes region. Torrential downpours of rain fell in the lower Mississippi and Tennessee Valleys, and lesser showers and thunderstorms covered the rest of the East.

SECOND WEEK...Heavy rains fell in New England as a storm moved eastward and another storm developed in the central Rockies and moved slowly to the East. Snow developed in the central Rockies early in the week and moved out over the Plains, covering most of Nebraska and Iowa and then the western Lakes area. Late in the week, snow fell in New York and western New England. Moderate to heavy precipitation covered the central Plains and all of the area east of the Mississippi. Thunderstorms dumped heavy rain over most of Mississippi and worsened flood conditions already there. Most of the Nation was cooler than normal. Temperatures averaged 9 to 12° cooler than normal from the central Mississippi Valley to the central Rockies.

THIRD WEEK...Snow was widespread from Pennsylvania through New England as a storm moved slowly out of the Northeast. An upper air low-pressure system developed off the west coast and ended the short dry spell that had prevailed in California. Light to moderate rain fell along the west coast, and light rain spread over the Plateau to the central Rockies. Showers and thunderstorms at midweek developed in the central and southern Plains and moved across the South and then up the east coast. Much colder than normal air covered the area east of the Plains. Freezing temperatures pushed into northern Alabama, central Georgia, and central South Carolina. The freeze seriously damaged fruit and vegetables in much of these areas.

FOURTH WEEK...Heavy rain fell in the Northeast early in the week, but most of the South, the Corn Belt,

and the Plains had little or no rain until midweek. Planting, which had been delayed, got underway in all of these areas. A cold front at midweek moved rapidly to a line from New England to Oklahoma and the central Rockies and became stationary in that position. Showers and thunderstorms developed along and ahead of the front and behind the front to the lower Great Lakes region. Severe weather with tornadoes, hail, and heavy rain damaged property and flooded large areas from southern Missouri into the Ohio Valley. Moderate rain continued along the west coast and snow fell in the Sierras.

APRIL FIELDWORK

Widespread heavy showers during April saturated soils across the eastern half of the Nation, delaying land preparation and planting. Growers in the Southeast were hardest hit as cool, damp conditions held fieldwork at a standstill much of the month. All regions had adequate to surplus soil moisture available for crop development except southern Texas where supplies were short at month's end. Cooler than normal temperatures covered most regions much of the month reducing growth and development of all crops. Freezing temperatures late in the month dipped as far south as central Georgia, causing widespread damage to blooming fruit trees and tender vegetables.

Corn planting in the South progressed slowly until late April as wet field conditions delayed progress. Growers in the Corn Belt started planting the last week of the month. By May 1, 9% of the acreage had been seeded in the 17 major producing States, half the normal planting pace. Planting was underway in all States except South Dakota. Progress was behind normal in all States except Indiana and Ohio where planting was the same as average.

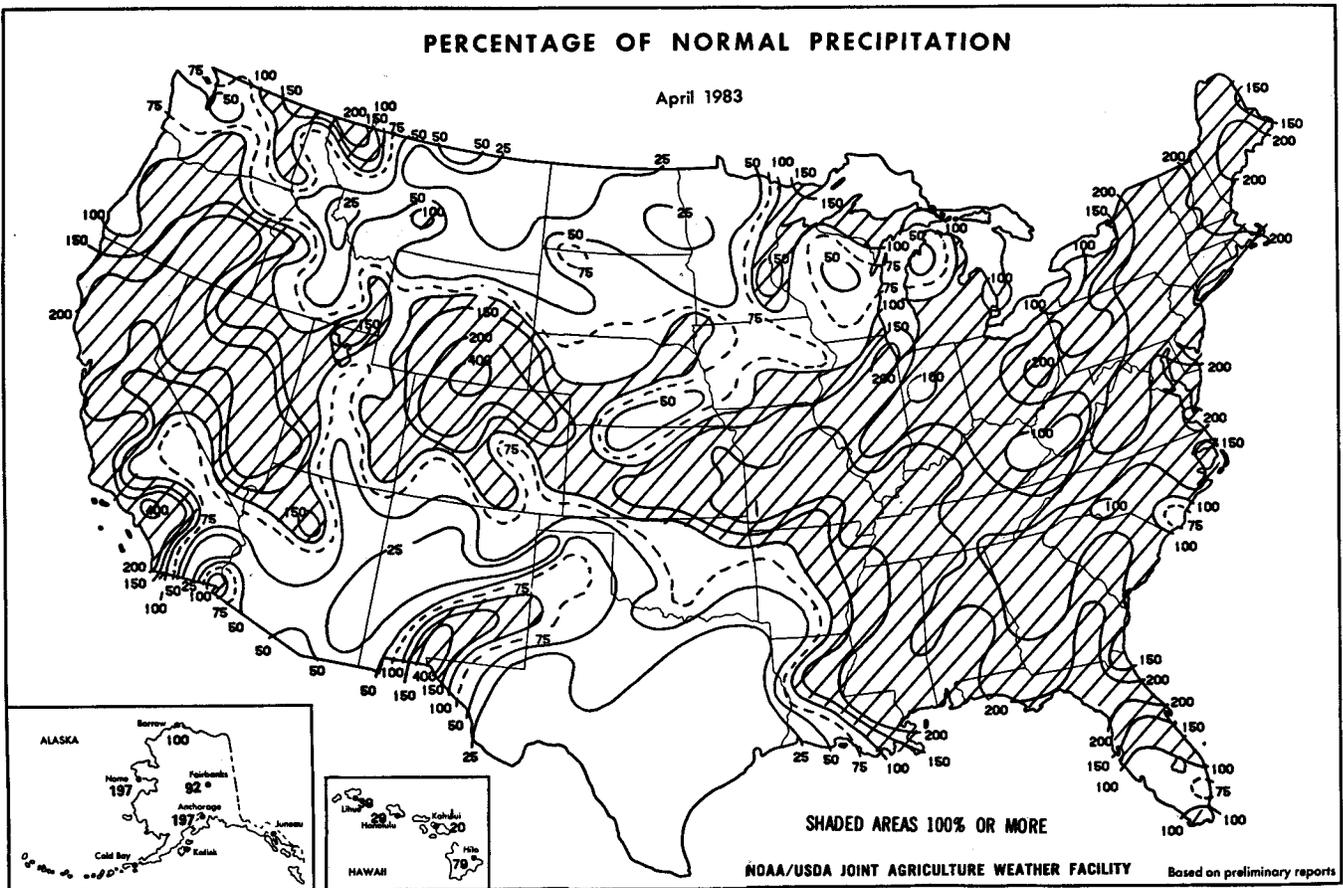
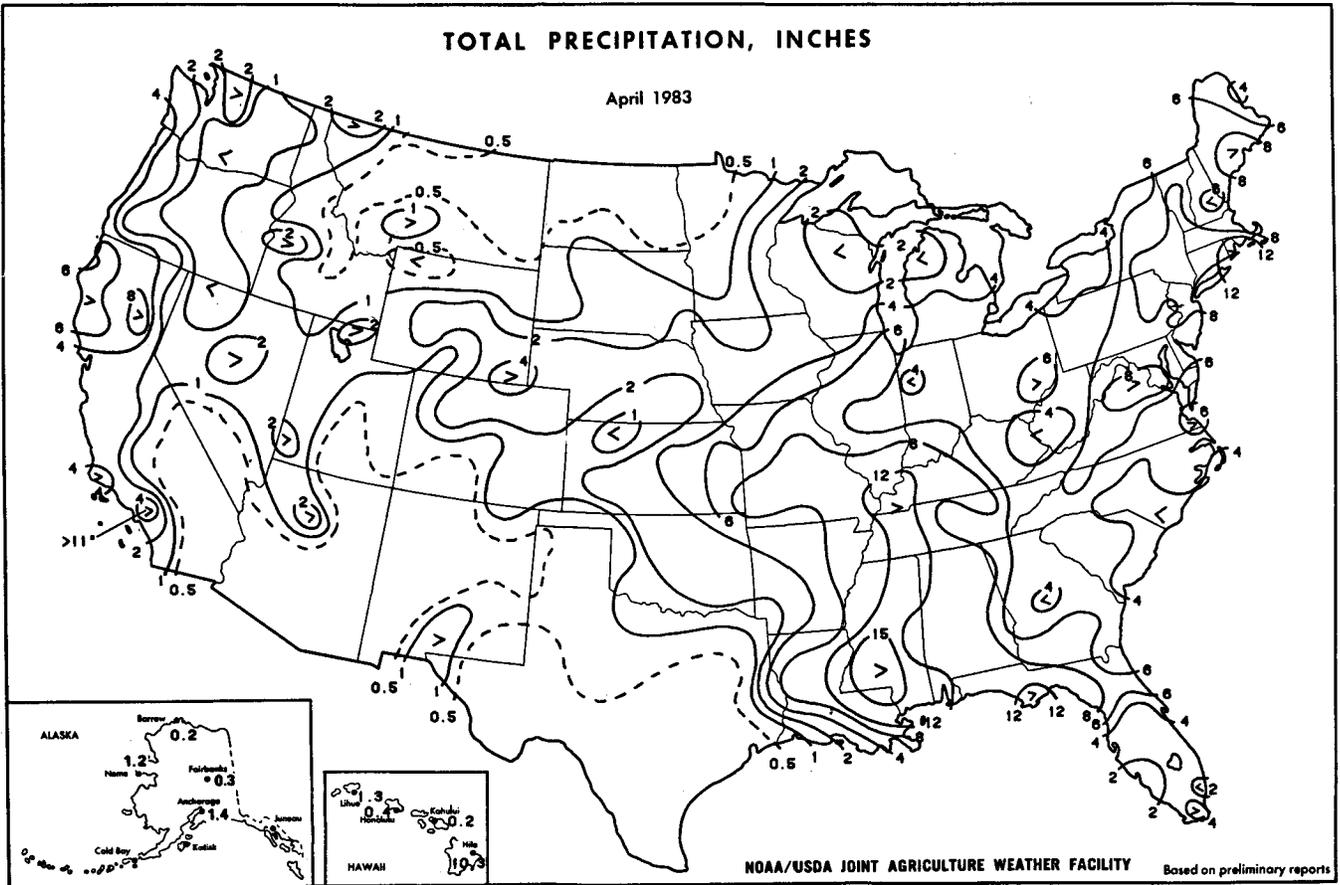
Sorghum planting advanced northward into Missouri and Oklahoma. Twenty-nine percent of the crop was planted by May 1, 1 point ahead of normal.

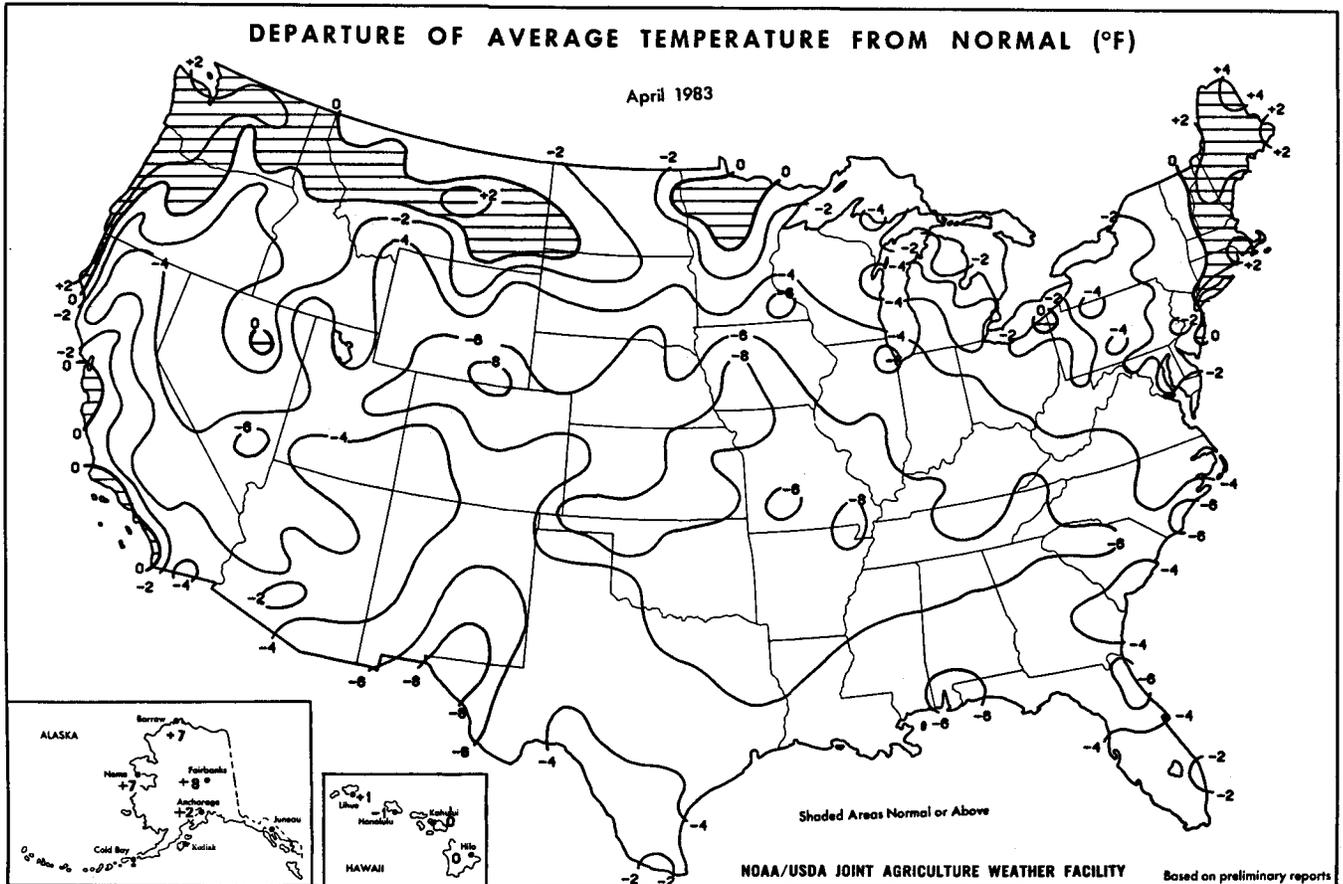
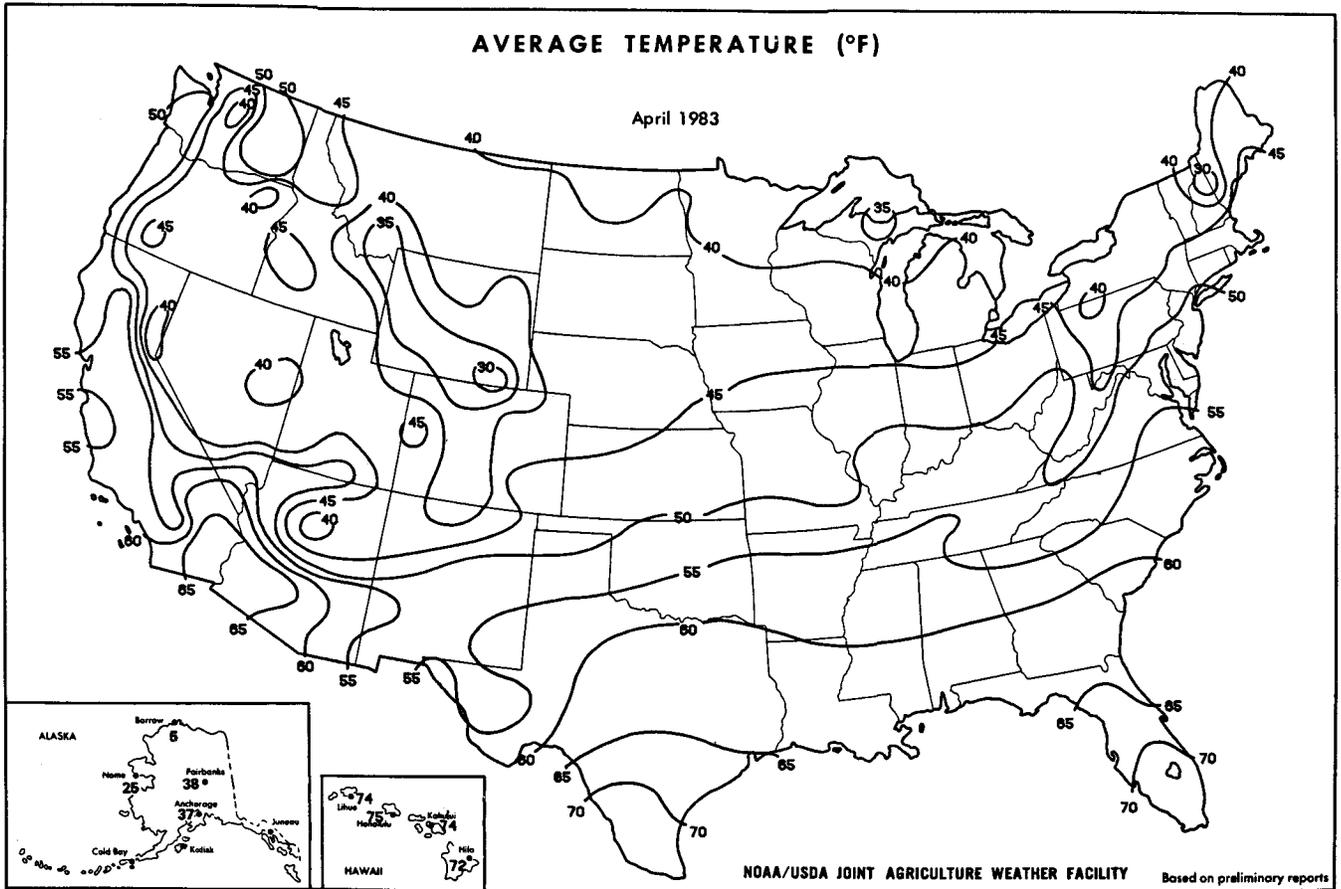
Cotton planting was 24% completed by May 1, well behind the 36% average. Arizona, with 85% of its acreage planted, was the only State ahead of normal. In California, planting was 75% finished, 19 points behind normal. Planting was underway in all States except Oklahoma, where producers normally begin planting at a later date. Early planted cotton in southern Texas had not begun squaring at the end of April. A year earlier, 2% was squaring.

Spring wheat seeding reached 28% complete on May 1, 10 points behind average but 4 points ahead of last year's slow pace. Planting was ahead of normal in Montana, equal to average in Idaho, but lagged normal elsewhere.

Soybean planting was just beginning at the end of April. Georgia reported 2% of the State acreage seeded.

Rice seeding reached 33% completion in the five major States, 20 points behind the average. Progress was behind in all areas. California seedings were 27 points slower than average. Mississippi plantings were 41 points behind average. Rice had emerged on 17% of the acreage, compared with 26% last year.





Temperature and Precipitation Data for April 1983

States and Stations		Temperature °F		Precipitation Inches		States and Stations		Temperature °F		Precipitation Inches		States and Stations		Temperature °F		Precipitation Inches	
		Average	Departure	Total	Departure			Average	Departure	Total	Departure			Average	Departure	Total	Departure
AL	BIRMINGHAM	58	-5	8.1	3.1	LA	BATON ROUGE	63	-5	12.8	-7.2	TOLEDO		44	-4	4.3	1.3
	MOBILE	62	-6	5.4	7.1		LAKE CHARLES	64	-4	1.7	-2.4	OK	YOUNGSTOWN	47	0	5.3	1.8
	MONTGOMERY	60	-5	12.5	7.1		NEW ORLEANS	64	-5	14.9	10.4		OKLAHOMA CITY	54	-6	2.3	-.6
AK	ANCHORAGE	37	2	1.4	.7		SHREVEPORT	60	-6	1.5	-3.2	OR	TULSA	55	-6	3.9	-.3
	BARROW	5	7	.2	.0	ME	CARIBOU	41	4	4.2	1.6		ASTORIA	50	2	4.3	-.3
	FAIRBANKS	38	8	.3	.0		PORTLAND	44	1	6.8	2.9		BURNS	41	-2	1.1	.6
	JUNEAU	--	--	--	--	MD	BALTIMORE	52	-2	6.6	3.2		MEDFORD	49	-1	1.1	.0
	KODIAK	--	--	--	--	MA	BOSTON	49	0	6.9	3.2		FENDLETON	49	-1	.7	-.3
	NOME	25	7	1.2	.6		CHATHAM	45	0	7.6	3.7		PORTLAND	53	3	1.9	.4
AZ	FLAGSTAFF	37	-5	2.2	.8	MI	ALPENA	40	0	2.7	-.2		SALEM	50	1	2.7	.3
	PHOENIX	67	-1	.2	-.1		DETROIT	44	-3	4.2	1.0	PA	ALLENTOWN	49	-1	7.9	4.0
	TUCSON	60	-5	.1	-.2		FLINT	44	-2	3.6	.5		ERIE	45	0	2.9	-.6
	WINSLOW	48	-5	.2	-.1		GRAND RAPIDS	43	-3	5.1	1.5		HARRISBURG	49	-3	8.0	4.8
	YUMA	68	-3	.1	.0		HOUGHTON LAKE	40	-2	1.9	-.7		PHILADELPHIA	51	-2	8.1	4.6
AR	FORT SMITH	55	-6	2.9	-.1		LANSING	42	-4	4.1	1.2		PITTSBURGH	47	-3	4.3	1.0
	LITTLE ROCK	55	-7	6.6	1.2		MARQUETTE	34	-6	3.2	.7	RI	PROVIDENCE	50	2	12.7	8.7
CA	BAKERSFIELD	58	-5	.6	-.1		MUSKOGON	42	-3	3.3	.1	SC	CHARLESTON	61	-3	3.6	1.0
	EUREKA	52	3	5.5	2.6		SAULT STE. MARIE	37	-1	2.6	.2		COLUMBIA	57	-7	5.7	2.1
	FRESNO	58	-2	2.7	1.5	MN	DULUTH	35	-3	2.3	.1		GREENVILLE	55	-6	4.7	.3
	LOS ANGELES	59	-1	3.2	2.3		INT'L FALLS	38	0	.6	-1.0	SD	ABERDEEN	42	-3	.7	-1.2
	RED BLUFF	55	-4	3.7	2.2		MINNEAPOLIS	42	-4	4.0	1.9		HURON	43	-3	1.1	-.9
	SAN DIEGO	62	1	1.7	.9		ROCHESTER	39	-6	2.5	.0		RAPID CITY	41	-4	1.0	-1.0
	SAN FRANCISCO	55	0	3.1	1.6	MS	SAINT CLOUD	41	-2	1.6	-.7		SIoux FALLS	42	-4	2.9	.5
	STOCKTON	56	-3	2.1	.7		JACKSON	60	-5	15.5	9.6	TN	CHATTANOOGA	54	-6	6.4	1.8
CO	DENVER	41	-6	2.1	.3		MERIDIAN	60	-5	10.3	4.9		KNOXVILLE	53	-7	5.9	2.0
	GRAND JUNCTION	49	-3	.9	.2	MO	COLUMBIA	48	-7	9.1	5.3		MEMPHIS	57	-6	8.8	3.0
	PUEBLO	46	-5	1.1	.1		KANSAS CITY	46	-9	5.5	2.3		NASHVILLE	55	-5	6.8	2.3
CT	BRIDGEPORT	48	-1	10.7	7.0		SAINT LOUIS	50	-6	7.3	3.7	TX	ABILENE	61	-4	.6	1.8
	HARTFORD	49	0	9.8	5.8	MT	SPRINGFIELD	51	-5	10.2	6.2		AMARILLO	51	-6	.8	-.3
DC	WASHINGTON	53	-4	6.9	4.0		BILLINGS	43	-2	.6	-1.3		AUSTIN	65	-4	.2	-2.9
FL	APALACHICOLA	63	-5	12.1	8.8		GLASGOW	43	0	.1	-.8		BEAUMONT	64	-5	.5	-3.6
	DAYTONA BEACH	64	-6	6.2	3.9		GREAT FALLS	42	-1	.3	-1.2		BROWNSVILLE	73	-2	0	-1.6
	FORT MYERS	70	-3	1.3	-.2		HAVRE	43	0	.6	-.5		CORPUS CHRISTI	69	-4	0	-2.0
	JACKSONVILLE	63	-5	4.7	1.4		HELENA	43	0	.3	-.5		DEL RIO	69	-3	.1	-1.8
	KEY WEST	74	-4	1.9	.4		KALISPELL	42	-2	2.2	1.2		EL PASO	56	-8	1.4	1.2
	MIAMI	72	-3	1.8	-.1		MILES CITY	45	-2	0	-1.2		FORT WORTH	61	-5	.6	-3.0
	ORLANDO	69	-3	3.2	1.0		MISSOULA	45	1	.7	-.3		GALVESTON	66	-3	.2	-2.4
	TALLAHASSEE	63	-4	7.6	3.5	NE	GRAND ISLAND	44	-6	1.3	-1.3		HOUSTON	64	-5	.4	-.3
	TAMPA	69	-3	2.8	1.0		LINCOLN	45	-6	1.1	-1.7		LUBBOCK	55	-5	.8	-.8
	WEST PALM BEACH	72	-2	3.3	.1		NORFOLK	44	-5	2.3	.1		MIDLAND	60	-4	.1	-1.7
GA	ATLANTA	56	-6	4.8	.4		NORTH PLATTE	42	-6	2.1	-.2		SAN ANGELO	62	-5	.8	-1.0
	AUGUSTA	59	-4	5.5	2.2		OMAHA	44	-6	2.0	-.9		SAN ANTONIO	65	-5	.2	-2.5
	MACON	61	-4	3.9	.4	NV	VALENTINE	41	-5	1.4	-.4		VICTORIA	67	-4	.2	-2.4
	SAVANNAH	63	-3	5.2	2.0		ELY	38	-3	1.9	1.0		WACO	62	-5	.1	-3.7
HI	HILO	72	0	10.3	-.2		LAS VEGAS	59	-5	.4	-.2		WICHITA FALLS	58	-6	2.2	-.8
	HONOLULU	75	-1	.4	-1.1		RENO	44	-2	1.3	.8	UT	BLANDING	43	-4	1.0	.3
	KAHULUI	74	0	.2	-1.0		WINNEMUCCA	43	-2	.8	.0		SALT LAKE CITY	46	-3	1.6	-.8
	LIHUE	74	1	1.3	-2.0	NH	CONCORD	45	1	5.9	2.9	VT	BURLINGTON	42	-1	6.5	3.7
ID	BOISE	47	-2	2.3	1.1		ATLANTIC CITY	52	1	7.5	4.3		LYNCHBURG	52	-4	6.7	3.8
	LEWISTON	49	-1	1.1	.0		TRENTON	--	--	--	--	VA	NORFOLK	56	-2	6.1	3.2
	POCATELLO	41	-4	.7	-.5		ALBUQUERQUE	50	-5	0	-.4		RICHMOND	56	-2	5.2	2.3
IL	CAIRO	54	-6	9.2	4.8		ROSWELL	--	--	--	--		ROANOKE	52	-4	8.0	4.9
	CHICAGO	43	-6	7.7	4.0	NY	ALBANY	47	0	8.0	5.1	WA	COLVILLE	48	2	1.8	.7
	MOLINE	46	-4	4.9	.9		BINGHAMTON	43	-1	8.6	5.5		OMAK	51	3	.9	.0
	PEORIA	47	-4	7.1	3.3		BUFFALO	44	-1	2.6	-.5		QUILLAYUTE	48	2	3.9	-3.2
	ROCKFORD	44	-4	3.9	-.3		NEW YORK	52	0	11.5	7.7		SEATTLE-TACOMA	51	2	1.0	-1.4
	SPRINGFIELD	48	-5	5.0	1.0		ROCHESTER	44	-2	3.5	.9		SPOKANE	46	0	.6	-.5
IN	EVANSVILLE	52	-7	10.3	6.2		SYRACUSE	44	-2	6.3	3.0		WALLA-WALLA	53	1	1.2	-.2
	FORT WAYNE	47	-2	4.8	1.2	NC	ASHEVILLE	51	-6	5.3	1.5		YAKIMA	50	1	.7	-.2
	INDIANAPOLIS	48	-4	4.5	.8		CHARLOTTE	55	-5	2.7	-.6	WV	BECKLEY	49	-3	3.4	-.2
	SOUTH BEND	46	-3	5.4	1.3		GREENSBORO	53	-5	5.2	2.0		CHARLESTON	52	-3	4.0	.5
IA	BURLINGTON	--	--	--	--		HATTERAS	57	-4	3.4	.4		HUNTINGTON	52	-4	4.0	.5
	DES MOINES	45	-6	3.8	.6		RALIGH	55	-5	3.5	.6	WI	PARKERSBURG	--	--	--	--
	DUBUQUE	43	-4	3.4	-.8		WILMINGTON	57	-6	2.1	-.9		GREEN BAY	41	-3	1.4	-1.3
	SIoux CITY	43	-7	2.2	-.1	ND	BISMARCK	40	-3	.5	-1.0		LA CROSSE	43	-4	2.4	-.7
	CONCORDIA	45	-8	1.9	-.4		FARGO	40	-2	.4	-1.5		MADISON	42	-4	2.2	-.9
	DODGE CITY	48	-6	2.9	1.1		WILLISTON	41	-1	0	-1.3		MILWAUKEE	42	-3	4.7	1.3
	GOODLAND	44	-5	1.8	.6	OH	AKRON-CANTON	47	-2	5.1	1.8	WY	CASPER	38	-4	2.3	.8
	TOPEKA	49	-6	6.3	3.2		CINCINNATI	49	-5	4.8	1.2		CHEYENNE	35	-7	4.5	3.3
	WICHITA	48	-8	3.8	1.5		CLEVELAND	47	-1	4.5	1.2		LANDER	38	-4	3.3	1.1
KY	LEXINGTON	51	-4	5.2	1.2		COLUMBUS	48	-3	5.6	2.2		SHERIDAN	42	-1	.9	-1.1
	LOUISVILLE	52	-5	7.1	3.0		DAYTON	47	-5	4.7	1.3	PR	SAN JUAN	82	3	4.9	4.9

Based on 1951-80 normals

National Weather Summary (continued from front cover)

through southern Minnesota, Wisconsin, and the Great Lakes. Heavy thunderstorms spawned severe weather from central Nebraska to Wisconsin. Less violent storms spread from eastern Kansas through Missouri into Illinois.

SATURDAY...Showers and thunderstorms covered the area east of the Mississippi River. Moderate to

heavy thunderstorms and showers fell over Kentucky and the Ohio River Valley through the eastern Great Lakes. Severe weather included tornadoes, hail, and high wind through this area and from Illinois to Ohio. Some heavy rain fell in southern Louisiana. Some moderate showers dampened the northwest coast, and lighter showers reached inland to the northern Rockies.

National Agricultural Summary

May 2 to 8

HIGHLIGHTS: Widespread showers from the Delta States northward through the Corn Belt and eastward into the Northeast delayed land preparation and planting. Soil moisture supplies were mostly adequate to surplus, except in portions of the Southwest and the northern Plains where shortages were stalling development of crops. Farmers had 2 to 6 days available for fieldwork. Corn planting in the 17 major States reached 19% completion, 20 points behind normal. Sorghum was 29% planted in the seven major States, lagging last years 31%. Cotton growers planted 36% of the acreage, compared with the 45% average. Soybean planting reached 2% finished, one-third the normal pace. Spring wheat seeding was 59% complete, 5 points ahead of normal. Winter wheat stands were 14% headed, one-half the average development for this date. Rice seeding at 43% complete lagged last years 54%. The crop had emerged on 24% of the acreage. Fruit trees bloomed in northern producing areas. Vegetable planting and harvesting advanced northward. Pastures were in fair to good condition. However, dry condition limited grass growth in portions of Texas.

Small grains: In the 15 major winter wheat producing States, 14% of the stands were headed, one-half the average. Five percent of the Texas acreage had turned color. Winter wheat was in fair to mostly good condition in the major areas.

Kansas wheatlands were 85% jointed and 1% headed. Soil moisture was adequate, except some eastern areas where supplies were surplus.

Small grains developed rapidly in Oklahoma with favorable weather. However, high winds reduced soil moisture in the western regions, and additional rainfall would be beneficial. Thirty percent of the winter wheat was headed, one-half last years rate.

Short moisture supplies in Texas stressed nonirrigated small grain fields and promoted early maturity. Winter wheat was fair to mostly good, with 44% of the crop headed.

Spring wheat seeding was 59% finished in the five major States, ahead of last years 52% and the average of 54%. Seeding progress ranged from 42% in North Dakota to 80% in Idaho. Progress was normal or ahead in all States except South Dakota.

Corn. Corn planting in the 17 major producing States reached 19%, 28 points behind a year earlier and 20 points behind average. Rain frequently delayed fieldwork in most areas of the Corn Belt. Progress ranged from 1% planted in South Dakota to 91% planted in Georgia. All States lagged normal planting progress for this date. Emerged plants across the South were in mostly fair condition, but improving with warm, dry weather.

Sorghum. Sorghum planting was 29% completed in the seven major States, behind last year's 31% and the 32% average. Planting was behind normal in all States, except Oklahoma and Texas. Producers had not begun planting in Colorado, Kansas, and South Dakota. Texas growers planted 68% of the crop, 1 point ahead of last year and the average. Stands were in good condition with limited insect damage.

Cotton. Cotton planting was active in all of the 14 major producing States. Planting reached 35% completion, behind last year's 42% and the average of 45%. Planting progress

ranged from 10% finished in Oklahoma to 94% complete in Arizona. Cool, wet soils delayed planting in most areas. One percent of the early-planted stands were squaring in Texas.

Soybeans. Soybean planting at 2% completion was one-third the normal progress for this date. Planting had not begun in portions of the central Plains and Corn Belt but was gaining momentum in the Southeast as fields dried.

Other crops. Rice seeding in the five major States was 43% finished, lagging last year's 54%. Rice had emerged on 24% of the acreage compared with 32% a year earlier. Planting ranged from 4% complete in California to 90% finished in Texas.

Peanut planting became more widespread, lagging normal in all States, except Alabama and Texas. Completion ranged from 22% in North Carolina to 54% in Alabama and Georgia.

Tobacco growers completed seeding plant beds. Transplanting the 1983 crop advanced northward. Georgia producers finished transplanting, while South Carolina growers were 77% finished.

Fruits and Nuts. Apple orchards were past peak bloom in New Jersey, and strawberries and blueberries had begun blooming. New York sweet cherries, pears, and peaches reached full bloom, while apples were approaching the full pink stage. Fruit trees in the Pacific Northwest were nearly past the bloom stage and were reported in excellent condition with minimal frost damage.

Florida's citrus groves continued in excellent condition, with limited irrigating necessary. Harvesting of remaining Valencia oranges was active, but grapefruit picking was slow.

Shipments of Valencia oranges and grapefruit slowed from the Rio Grande Valley of Texas. Peaches were developing well, but some leaf curl was evident. Pecan growers actively sprayed trees.

Prospects were favorable for the new citrus crop in Arizona; groves continued in good condition. Increased volumes of Valencia oranges were picked, however, harvesting of lemons and grapefruits was slow due to a limited market.

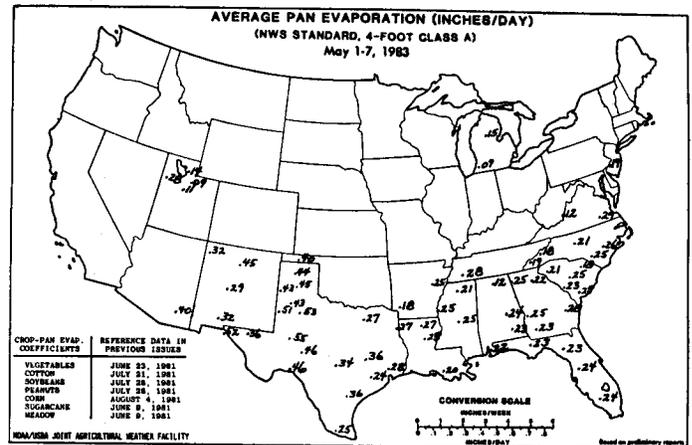
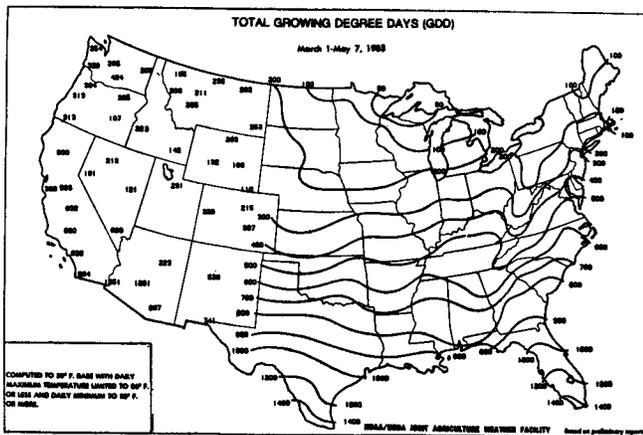
California's grapes continued to leaf out, and table wine varieties were thinned. Growers virtually finished picking Navel oranges, but the Valencia orange harvest became very active. Producers picked large volumes of lemons in the southern region.

Vegetables. Harvesting of early-season vegetables and seeding midseason crops advanced into northern producing areas. Growers cut asparagus, spinach, and lettuce in New Jersey and planted onions and lettuce in Michigan.

Vegetable shipments in Florida increased 20% from the previous week. The only crops registering declines were cauliflower, Chinese cabbage, escarole, parsley, radishes, and strawberries. Commercial strawberry picking was virtually complete in Hillsborough-Manatee area.

The Texas spring onion harvest continued with volumes declining from the Rio Grande Valley. Growers were actively planting mixed vegetables, and most crops made good progress. Dry conditions stressed some fields in the southern and western regions.

(continued on p. 13)



State Summaries (continued from p. 13)

to head winter wheat in boot stage. Stripe rust and yellow dwarf virus evident. Potatoes and grain corn continue planted. Cutting alfalfa hay. Tree fruit crops passing bloom stages in excellent condition. Frost damage minimal. Apple thinning active. Blueberries and strawberries full bloom. Harvest nearing completion winter cauliflower and rhubarb. Asparagus cutting 20% complete. Commercial vegetable planting continues. Thinning lettuce. Cabbage for seed in bloom. Range and pastures good condition. Beef operations turning livestock on pastures. Dairymen continue cutting green chop and grass silage.

WEST VIRGINIA: Temperatures close to 3° above normal except in northwest where the average was 2 to 3° below normal. High 90° low 23°. Precipitation well above normal except the south and northeast which were below normal.

Soil moisture adequate to surplus. Days worked averaged 2.0. Main activities: Fencing, soil preparation, gardening and livestock care. Corn 7% planted. Oats 47% planted. Tobacco beds 98% planted and 49% emerged. Gardens 16% planted. Wheat and barley in good to fair condition. Pasture in good to fair condition. Fruit in fair to poor condition. Hay supply adequate. Grain and other feed supplies adequate. Wet weather hampers planting progress.

WISCONSIN: A cool and rather wet week. Total rainfall ranged from 0.10 to .050 in. across the extreme northwest and from 0.50 to 2.30 in. elsewhere. Most stations across the southern 2/3 of the State reported more than 1.00 in. of rain. Scattered showers fell during the morning of the 2nd across central and on the southern portions on the 3rd and 5th. General rains fell Statewide on the 6th. Temperatures continued well below seasonal normals. Daytime highs were generally in the 50's and 60's. Night time lows were mostly in the 30's. A brief warm up brought temperatures into the 70's in the extreme south on the 7th. Twenty-five to 50 m.p.h. winds buffeted the State on the 7th. Days suitable for fieldwork: 5.0. Soil moisture: 5% short, 81% adequate, 14% surplus.

WYOMING: Temperatures below normal. Precipitation above normal.

Topsoil moisture adequate 95% State. Days suitable for fieldwork: 5.0. Spring wheat, 55% planted, 25% emerged. Oats, 50% planted, 30% emerged. Barley, 60% planted, 45% emerged. Sugarbeets, 43% planted, 20% emerged. Corn, 10% planted. Potatoes, 5% planted. Alfalfa prospects mostly good. Winter wheat mostly good condition. Livestock mostly good condition. Spring calving 85% complete. Farm flock: Ewes lambed 85%; shorn 85%. Range sheep: Ewes lambed 60%; shorn 65%. Calf, lamb losses normal most areas. Ranges, pastures mostly good condition

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 Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall light, except Tennessee Valley rainfall 1.00 to 1.50 in. Air and soil temperatures slightly below normal.

Soil moisture adequate. Fieldwork: 5.0 days. Corn planted 76%, 1982 86%, average 77%. Soybeans planted 5%, 1982 6%, average 15%. Cotton planted 58%, 1982 60%, average 76%. Peanuts planted 54%, 1982 59%, average 51%. Wheat heading 56%, 1982 86%, average 90%. Wheat turning color 10%, 1982 12%, average 24%. Sorghum planted 17%, 1982 19%, average 20%. Activities: Planting corn, peanuts, sorghum, soybeans, and cotton, spreading fertilizer, seed bed preparation. Conditions: Livestock, wheat and pasture mostly good. Pasture and stored feed short to adequate. Plowing 60%.

ALASKA: A ridge of high pressure remained north of the State with weak pressure gradients across much of the Interior. Low pressure aloft kept the southern third of the State cool with scattered very light showers through the week, but by the weekend ridging from the south produced warmer temperatures - in the 60's - throughout south central areas. Through the central third of the State temperatures were generally in the 50's with sunny skies. In the northern third of the State winterlike conditions continued with temperatures generally in the teens and 20's.

Sunny skies throughout the railbelt enabled fieldwork to start on lighter soils. Wet conditions limited fertilizer applications and field preparation on most other areas. Barley seeding was slow due to wet spots. Fieldwork progress ranged from behind to on schedule. Two to 7.0 days were favorable to fieldwork. Commercial vegetable growers planted the first hardy vegetables on April 22nd. Potato planting started. Soil moisture supplies generally adequate to surplus. Livestock in fair to excellent condition.

ARIZONA: Fair weather dominated past week. Minor weather disturbance brought isolated, light showers along Mogollon Rim early week. Average temperatures varied 1 to 7° below normal.

Cotton growers winding down planting season, approximately 94% planted compared 90% last year 92% average. Stands developing western, central portions. Southeastern counties experiencing delay cotton emergence because cooler normal temperatures. Weed, insect controls applied as needed. Growers Statewide experiencing problems which necessitated cotton to be replanted. Two major reasons replanting were cloddy soil, above average winds. Wet fall, winter responsible soil clodding more than normal during seedbed preparation causing uneven seed distribution, poor germination. Winds caused excessive drying which contributed poor germination, growth. Limited harvest wheat, barley began Yuma County. Santa Cruz County cutting barley for hay. Central area small grains turning color, Cochise, Graham Counties were mostly heading stage. Some below average development apparent Pinal, Graham County. Alfalfa made average progress, warm weather aiding haying process. Growers irrigating, cutting, baling as fields reached various stages maturity. Corn, sorghum progressed satisfactorily, some stands established west. Yuma County safflower made good progress, first open flowers appear. Cantaloups, watermelons, honeydew melons good progress. Western vines expanding, good early bloom, fruit set. Pro-

gress melon crop central area slightly behind west. Growers west begin harvest June 1st, harvest central begin week, ten days later. Harvest chipper potatoes progressed satisfactorily, digging table potatoes just getting underway. Spring lettuce harvest mostly complete central areas. Heavier normal thrip damage reported Cochise County lettuce. Harvest dry onions, peaches should begin May 10th. Market for Valencia oranges picked up although still slow. Few orders lemons, grapefruit also filled. Poor demand responsible limited market. Citrus groves good condition, crop prospects favorable.

ARKANSAS: Warmer days with temperatures averaging slightly below normal enhanced planting of crops. Temperatures ranged from 4° below normal to 1° above normal. Precipitation was reported by all stations in amounts from 0.11 to 5.06 in.

Soil moisture was adequate and 4.0 days were available for fieldwork. Cotton planted 33%, 52% 1982, 44% average. Rice planted 28%, 45% 1982, 56% average. Rice emerged 7%, 13% 1982, 35% average. Soybeans planted 3%, 6% 1982, 7% average. Corn planted 75%, 75% 1982, 66% average. Wheat good to fair condition and 75% headed. Oats good condition and 89% headed. Sorghum planted 24%, 49% 1982, 51% average and fair condition. Pastures good condition. Livestock fair to good condition.

CALIFORNIA: Average temperatures were below normal. These departures ranged from 1° below normal at the South Coast to 7° below normal in the Sacramento Valley. Individual readings varied from a high of 94° at Blythe to a low of 26° at Huntington Lake. Precipitation amounts averaged from 0.25 to 1.00 in. except for the southeast Interior where no rain was recorded. Long range forecasts indicate seasonal temperatures with minimal amounts of precipitation.

Fieldwork was progressing as weather improved. Cotton planting 90%, 98% last year, 98%. Replanting of cotton was active due to seedling diseases and poor stand. Rice planted 4%, 10% last year, 52% average. Will plant more early varieties and adjusting fertilizer application to shorten maturity. Small grains growing well. Winter wheat 75% headed, 84% last year, 91% average. Oat for hay and alfalfa harvest underway. Dry beans being planted. Sugarbeet planting and harvest active. Cooler than normal temperatures slowed development. Grapes continue to leaf out. Table wine varieties thinned, suckered. Kiwifruit bloom beginning. Some hail damage plums, prunes, last week. Prune crops looks good. Peach trees suffering heavily from peach leaf curl. Oriental fruit moth becoming problem in peaches and plums. Storages building with heavy lemon picking, Southern California. Navel orange harvest Central Valley about a month from end. Quality declining. Valencia orange harvest very active Southern California. Quality very good, small sizes. Last week's rains will likely cause more shothole fungus in almonds. Pistachios leafed out. Walnut bloom complete, blight above normal this year. Artichoke harvest light. Asparagus harvest light. Broccoli, cauliflower harvest active, most volume Central Coast. Carrot harvest active Desert, increasing San Joaquin Valley. Celery harvest active South Coast; planting active

Central Coast. Sweet corn harvest started Coachella Valley. Lettuce harvest active San Joaquin Valley, increasing Central Coast. Grading dry onions increasing Desert. Spring potato harvest started Kern District. Strawberry harvest active South Coast, increasing Central Coast. Market tomatoes maturing Desert areas. Planting processing tomatoes as fields conditions permit in Sacramento and northern San Joaquin Valleys and Central Coast. Range conditions excellent. Grass maturing Foothill Districts later than normal due late rains. Movement livestock summer pastures increasing. Sheep shearing delayed northern areas due to rains.

COLORADO: Snow in north central mountains first half of week and in all mountains end of week. Showers and thunderstorms at lower elevations in east through most of week. Heavy showers in northeast on 1st. Temperatures averaged 2 to 3° cooler than normal Statewide.

Winter wheat in excellent condition; 39% jointed, slightly ahead of normal; heading just started; last year and average 2%. Spring fieldwork remains somewhat behind normal due to wet conditions. Corn planting 12% complete, last year 45%, average 38%. Barley in good-to-excellent condition; 81% seeded, last year 90%, average 82%; 42% emerged. In 1982 50%, average 60%. Spring wheat in good conditions; 75% seeded, about normal. Oats in good condition; 47% seeded, averaged 75%. Days suitable for fieldwork: 3.0. Topsoil and subsoil moisture adequate. Range and pasture condition good. Livestock condition good to excellent.

FLORIDA: Cloudy skies with scattered showers and periods of rain on the 4th, Statewide, accompanied a weak cold front down through the State. Rainfall amounted to 0.50 in. or more northern portions, dwindling to around 0.25 in. or less elsewhere. As the front continued southward, sunny skies, light winds combined under high pressure to produce mild temperatures rest of period.

Soil moisture mostly adequate, few scattered areas getting dry. Corn, tobacco condition improving slowly. Peanut planting increasing, soybean planting getting underway. Disease in wheat reducing yield prospects. Sugarcane good growth. Some hay being cut in drier areas. Pastures condition fair to good Statewide. Grass is growing, grazing conditions improving. Cattle fair to good condition. Citrus trees excellent condition. Soil moisture adequate, however some irrigating. New crop fruit shedding normally as trees adjust to the size crop they can carry. Valencia harvest very active, grapefruit movement slowing. Mostly fair, dry weather with mild temperatures prevailed in vegetable areas. Rainfall limited to light, scattered showers at midweek. Winds light to moderate. Irrigation increasing to maintain soil moisture. Total shipments increased 20% from previous week. Harvest gained carrots, sweet corn, cucumbers, eggplant, peppers, potatoes, Southern peas and watermelons. Supplies about steady snap beans, cabbage, celery, lettuce, okra and tomatoes. Volume declined cauliflower, Chinese cabbage, escarole, parsley, radishes and strawberries. Commercial harvest of strawberries about complete in Hillsborough-Manatee area. Watermelon harvest increasing. Quality first cuttings variable.

GEORGIA: Weather mostly sunny and dry except on the 3rd and 4th. Greatest rainfall amounts in south. Temperatures close to seasonal over most of State, but slightly cooler in south. Averages from 1° above to 4° below normal. Weekend of 7th and 8th continued mostly dry and sunny. Scattered rainfall totaled 0.25 in.

or less. Mostly seasonal temperatures with highs in the 70's and 80's and lows mostly from upper 40's to the 60's.

Soil moisture 2% short, 96% adequate, 2% surplus, 5.0 days suitable for fieldwork. Very active planting and land preparation. Corn 91% planted, last year 96%, average 94%, condition 13% poor, 59% fair, 29% good. Cotton 45% planted, last year 62%, 76% average; condition 3% poor, 63% fair, 34% good. Peanuts 54% planted, last year, 58%, 66% average; condition 2% poor, 53% fair, 45% good. Soybeans 7% planted, last year and average 12%; condition 68% fair, 32% good. Tobacco transplanting virtually complete, same as last year and average; condition 18% poor, 62% fair, 20% good. Grain sorghum 16% planted, last year 27%, 25% average; condition 65% fair, 35% good. Watermelons 92% planted, last year 94%, 93% average; condition 21% poor, 60% fair, 17% good. Wheat 97% boot, 85% headed, condition 8% very poor, 10% poor, 53% fair, 29% good. Rye condition 5% very poor, 10% poor, 48% fair, 37% good. Other small grains 2% very poor, 6% poor, 55% fair, 37% good. Apples 93% blooming; condition 41% very poor, 21% poor, 27% fair, 11% good. Peaches 44% very poor, 13% poor, 25% fair, 16% good. Pasture 33% fair, 61% good, 4% excellent.

HAWAII: Weather continued fair for the week. Some areas remained dry. Isolated rains were beneficial to banana and papaya orchards in the Island Chain. Cabbage and lettuce production expected heavy. Supplies of other vegetables adequate. Sugarcane and pineapple harvesting remains active.

IDAHO: Precipitation fell once again over the entire State with the heaviest amounts in southwest. Boise had the largest amount with a total of 2.90 in. other locations ranged from less than 0.10 in. in portions of the north to over 1.00 in. in several southern locations. Temperatures averaged near to a little above normal the first of the week falling to below normal by the end of the week. Most areas had weekly averages of 1 to 6° below normal.

Planting progress continued to advance as 4.0 days were judged suitable for fieldwork. Spring wheat seeded moved to 80% complete versus 83% last year and 80% average. Barley climbed to 56% seeded compared to 63% in 1982 and the average of 70%. Emergence for both crops stood at 36 and 28%, respectively. Potatoes planted reached 36% complete behind the 40% level of both last year and average. Only 42% of the cattle and sheep had been moved to the ranges.

ILLINOIS: Temperatures averaged 4° below normal. Precipitation light northern areas to heavy south, flooding continuing.

Soil moisture 30% adequate, 70% surplus. Days suitable for fieldwork 1.3. Corn 23% planted, 1982 78%, normal 51%. Soybeans less than 1% planted, 1982 11%, normal 8%. Winter wheat 5% headed, 1982 1%, normal 12%; condition 12% excellent, 76% good, 12% fair. Oats 85% seeded, 1982 100%, normal 94%. Alfalfa condition 8% excellent, 73% good, 17% fair, 2% poor. Tillage for 1983 corn and soybean acres 87% complete, 1982 99%, normal 94%. Pasture supplying 70% livestock roughage requirements; condition 12% excellent, 73% good, 15% fair. Livestock condition good.

INDIANA: Fieldwork averaged 0 days. Topsoil and subsoil moisture surplus. Spring cropland 80% tilled, 1982 90%, average 85%. Corn 10% planted, 1982 60%, average 25%. Soybeans 0% planted, 1982 10%, average 0%. Oats 85% seeded, 1982 100%, average 85%. Wheat condition fair

to mostly good. Wheat 13 in. tall, 1982 10 in., average 13 in. Wheat 60% joint stage, 1982 45%, average 45%. Wheat 5% in boot. Wheat 0% headed, 1982 0%, average 15%. Pastures fair to mostly good.

IOWA: A cool week with moderate to heavy precipitation. Temperatures averaged 3 to 4° subnormal. Soil temperatures at the 4 in. level averaged mostly in the mid and upper 50's. Rain-falls were subnormal in southern districts but above normal elsewhere.

Days suitable 2.8. Plowing 72% completed; 93% last year; 89% normal. Fertilizer 72% applied; 86% last year; 65% normal. Oats 86% seeded; 99% last year; 93% normal. Oats 22% emerged; 66% last year; 68% normal. Corn planted 28%; 43% last year; 64% normal. Soybeans planted 1%; 3% last year; 3% normal. Topsoil moisture 52% adequate; 48% surplus. Subsoil moisture 46% adequate; 54% surplus.

KANSAS: Precipitation averaged 0.50 to 0.75 in. east and north, little or none southwest quarter. Severe storms east 6th evening with locally large hail and damaging winds. Temperatures averaged 55° northwest and west central, 58 to 61° elsewhere--normal northwest and west central, 1 to 3° below normal elsewhere.

Wheat 85% jointed, 90% last year, 80% average; 1% headed, 5% last year, 25% average. Corn 20% planted, 35% last year and average. Sorghum 0% planted, 3% last year, 5% average, underway southeast. Soybeans 0% planted, 1% last year, 3% average. First cut alfalfa hay underway south central. Soil moisture continues adequate west and central, adequate to surplus east. Pastures and range continue good to excellent Statewide. Cattle moving off PIK wheat onto native pasture. Only 3.5 days were suitable for fieldwork.

KENTUCKY: Extremely wet with near normal temperatures. Daytime highs in 80's. Rainfall ranged from 1.00 to more than 5.00 in. with majority early in week. Considerable flooding.

Soil moisture 91% surplus, 9% adequate. Extensive flooding caused soil erosion, damaged fences and farm roads. Corn planting 7% complete, 60% last year, average 48%. Corn emerged 2%, some replanting will be necessary due to wet conditions. No soybeans planted, 5% year ago, average 4%. Tobacco plants fair to good. Most plants less than 2 in. Wheat and barley fair to good. Wheat 8% headed. Pastures mostly good to excellent. First alfalfa cuttings should average near May 14.

LOUISIANA: Rainfall 0.20 to 1.80 in. north, 0.10 to 1.00 central, none to 13.2 south. Temperatures ranged 2 to 5° below normal Statewide. High 87°, low 44°.

Soil moisture short to adequate. Days suitable 5.9. Spring plowing 89%, 91% 1982. Corn planted 85%, 95% 1982; 91% average. Corn emerged 77%, 91% 1982; 83% average. Condition fair to good. Cotton planted 52%, 48% 1982, 50% average. Cotton emerged 16%, 23% 1982, 28% average. Condition fair. Rice planted 70%, 77% 1982; 85% average. Rice emerged 58%, 69% 1982; 77% average. Condition poor to fair. Sorghum planted 57%, 58% 1982; 33% average. Sorghum emerged 27%, 47% 1982; 27% average. Condition fair to good. Soybeans planted 5%, 5% 1982; 7% average. None emerged. Sweetpotatoes transplanted 16%, 32% 1982; 28% average. Condition fair. Wheat headed 95%, complete 1982 and average. Wheat turning color 41%, 52% 1982. Condition fair to good. Sugarcane condition fair to good. Pasture and livestock condition fair to good. Vegetable condition fair.

MARYLAND AND DELAWARE: Temperatures averaged 3 to 5° above normal over the two States with cooler temperatures in western Maryland and warmer temperatures on the Lower Shore and Delaware. High temperatures were in the mid 70's east of the mountains to mostly low to mid 80's elsewhere. Low temperatures were in the mid 30's in western Maryland to low to mid 40's elsewhere. Heaviest rainfall was reported in western Maryland with most totals under 0.50 in. The 7th was clear and warm with highs in the mid to upper 70's and lows in the low to mid 50's. The 8th was mostly cloudy with scattered light showers. High temperatures were in the low to mid 70's and lows were in the low to mid 50's.

Maryland: Farmers were playing catch up. With only a few localized showers, farmers had 6.0 days suitable for fieldwork to get 55% of their acreage plowed by 8th, behind last year's progress of 85% and 20% better than a week earlier. Field corn: 25% planted; last year 50%; average 40%. Soybeans not being planted yet; average less than 5%. Tobacco farmers waiting for transplants to grow before planting in fields. Through the 8th week 35.7 million pounds sold. Average price \$153.90 per cwt. Small grains in fair to good condition. Spring oats 60% planted; 100% last year. Barley and rye heading in southern Maryland. Vegetables planted: Potatoes 96%; 100% last year; snap beans 60% planted; 40% last year; sweet corn 60%, last year 40%. Tomatoes, 15% planted; 45% last year. Watermelons: 40% planted; equal to last year. Cucumbers: 30% planted; 35% last year. Peach: 95% bloomed, 100% last year. Apples: 75% bloomed, 85% last year.

Delaware: Good field progress made in 6.5 days for fieldwork, acreage plowed 65%, last year 90%. Corn acres planted 45%, last year 60%, average 55%. No soybeans planted, last year 15%, average 5%. Potatoes 80% completed, last year and average 100%. Sweet corn 40%, last year 60%. Only a small amount of tomatoes planted. Cucumbers 80% planted in Sussex. Watermelons 60% planted in Sussex. Small grains in mostly good condition. Barley and rye heading out fast. Topsoil moisture adequate to surplus. Subsoil moisture surplus.

MICHIGAN: Another week of moderate to heavy amounts of rainfall again resulted in flooding and standing water on the fields. Below normal temperatures were also not helpful for growing this spring crops.

Statewide 2.0 days were suitable for field activity. Moisture supplies were mostly surplus over the State. Corn planted reached 5% behind last years 40% and 24% average. Soybeans planting has not gotten underway this year. Oats seeding 50% complete, 90% in 1982 and 71% average. Sugarbeet planting increased to 55% behind last years 100% and 81% average. Potato planting increased to 20%. Onion and celery planting continues across the State. Other vegetable seeding was light.

MINNESOTA: Temperatures averaged 1 to 4° below normal. Extremes 76° at Pipestone and 21° at Hibbing. Precipitation averaged 0.10 to 0.60 in. below normal in northwest through northeast. Near normal to 0.35 in. above normal in west central, central and east central, and 0.35 to 2.22 in. above normal southwest, south central and southeast. Precipitation totals; Near zero northwest through northeast, 0.10 to 1.00 in. west central, central and east central and 1.00 to 2.95 in. southwest, south central and southeast. Most precipitation was in early weekend. Thunderstorms occurred in southern sections, with some river flooding southwest.

Low soils temperatures slowed seed germination and pasture growth. Dry west central and most of northwest so fieldwork progressed well. South had heavy rain so almost no fieldwork. Topsoil moisture: 2% very short, 16% short, 42% adequate, and 40% surplus. Average number of days suitable for fieldwork: 4.0. Planted: Spring wheat 66%, 1982 61%, normal 63%; oats 64%, 1982 73%, normal 66%; barley 61%, 1982 45%, normal 51%; field corn 14%, 1982 34%, normal 33%; soybeans 1%, 1982 4%, normal 5%; sunflowers 2%, 1982 5%, normal 12%; sugarbeets 72%, 1982 78%, normal 70%; potatoes 14%, 1982 13%, normal 20%; green peas for processing 35%, 1982 48%, normal 48%; sweet corn for processing 6%, 1982 16%, normal 15%; flax 4%, 1982 13%, normal 17%. Emerged: Spring wheat 12%, 1982 19%, normal 30%; oats 10%, 1982 20%, normal 32%; barley 8%, 1982 9%, normal 23%.

MISSISSIPPI: Temperatures 5° below normal. Extremes 88 and 40°. Two cold fronts during the week provided some rain. Very light most places. Greatest 24-hour rainfall 2.00 in. Greatest weekly 2.17 in.

Soil moisture adequate to surplus. Land preparation and planting active. Fieldwork 4.6 days suitable, 5.0 last year, 4.0 average. Soybeans 1% planted, 3% last year, 4% average. Cotton 55% planted, 55% last year, 54% average; 8% to stand, 20% last year, 26% average. Rice 54% planted, 70% last year, 71% average; 12% to stand, 32% last year, 50% average. Sorghum 15% planted, 13% last year, 16% average. Corn 57% planted, 32% to stand. Peanuts 25% planted, watermelons 43%, sweetpotatoes 11%. Winter wheat 80% headed, 2% ripe; condition fair to good. Pasture condition good to fair. Peach condition fair to poor.

MISSOURI: Temperatures averaged 1 to 2° below normal except in the Bootheel where temperatures averaged 1° above normal. Precipitation averaged 4.00 in. over the Bootheel, 2.00 to 4.00 in. in certain midstate areas, around 1.00 in. over the eastern 2/3 of the State and just under 1.00 in. in the western 1/3. Flooding continued on the Mississippi south of St. Louis.

Days suitable for fieldwork: 1.0. Plowing for spring-planted crops 65% completed, 85% last year and 69% normal. Oats 89% sown. Corn 20% planted, 68% last year and 45% normal. Grain sorghum 4% planted, 25% last year and 17% normal. Soybeans 1% planted, 11% last year and 11% normal. Cotton 4% planted, 55% last year and 50% normal. Winter wheat 8% headed, 17% last year and 22% normal. Wheat is 1% excellent, 30% good, 50% fair and 19% poor. Pasture condition 5% excellent, 55% good, 37% fair and 3% poor. Topsoil moisture supplies 73% surplus, 27% adequate.

MONTANA: Moderate to heavy rains fell over central and parts of southwest and west late in week. From 0.33 to 2.00 in. fell over these areas. Central and southeast had some moderate amounts, while north central and northeast remained dry. Temperatures ranged 2° below to 2° above normal.

Topsoil moisture mostly short except western portions effecting grain and grass growth. Subsoil moisture remains adequate but getting short southern areas. Winter wheat condition good. Winterkill none to light. Nearly 7.0 days suitable for fieldwork. Planting progress compared with last year and the 10 year average: Spring wheat 75%, 45%, 50%; barley 75%, 50%, 50%; oats 60%, 35%, 45%; corn 30%, 25%, 25%; sugarbeets 85%, 80%, 70%; potatoes 10%, 0, 15%; dry beans 10%, 15%, 15%. Calving 90% done. Lambing 85% complete. Shearing 80% done. All about normal. About 20% cattle and sheep moved to summer ranges, normal about 25%.

NEBRASKA: Precipitation averaged 1.00 to 3.00 in. Statewide. Temperatures normal in north central to 2 to 3° below normal elsewhere.

Winter wheat good. Jointed 15%, 35% previous year and 30% normal. Headed 0%, 0% last year and normal. Corn planted 15%, same as last year but 35% is normal. Sorghum planted less than 1%, 0% last year and 5% normal. Soybeans planted 0%, same as last year but 2% normal. Oats seeding 85% complete, compared to 98% a year ago and 95% normal. Both topsoil and subsoil moisture adequate to surplus. Days suitable for fieldwork 3.0.

NEVADA: Rain and snow showers again common during week. Precipitation confined mainly to northeastern and northwestern areas. Temperatures averaged between 1 and 7° below normal. Extremes 84 and 24°.

Potato planting well along. Small grain seeding about week later than usual. About 90% calves and 85% range lambs dropped. Shearing operations 40% completed.

NEW ENGLAND: Temperatures were generally 3 to 8° above normal. Precipitation occurred throughout the week with largest measurements recorded in Vermont in excess of 2.50 in.

Surplus soil conditions throughout New England have severely limited farmers' efforts to work the fields for planting this spring. Days suitable for fieldwork: 4.0. Grazing availability is short in northern areas, adequate in southern areas. Maine potato plantings restricted to a few well-drained areas. Both tree fruits and small fruits in the bud stage and in good condition.

NEW JERSEY: Temperatures averaged 2° above normal. Extremes 35° at Charlotteburg and Newton on 5th and 84° at Trenton on 9th. Weekly rainfall averaged 0.44 in. north, 0.37 in. central and 0.53 in. south. The heaviest 24-hour total 0.86 in. at Seabrook on 3rd to 4th. Estimated soil moisture, in percent of field capacity, averaged 81% north, 69% central and 74% south. Four in. soil temperatures today averaged 56° north, 61° central and 61° south.

Fieldwork: 6.0 days suitable. Fieldwork active under improved soil conditions. Asparagus, spinach, Big Boston and Leaf lettuce being harvested. Many types of greens also moving to market. Vegetable planting active. Fresh market tomato planting underway. Potato planting continues active. Apple bloom past peak. Strawberries and blueberries in bloom. Barley and rye headed out. Field corn planting active. Soil preparation continues for soybeans. Oat planting nearing completion. Pasture and hay growth good.

NEW MEXICO: Temperatures 3 to 5° cooler than average most areas. Few showers in north and east generally less than 0.05 in.

Cotton 45% planted, 1982 65%, average 69%. Alfalfa good, cutting continues south. Wheat mostly good 100% jointed, irrigated 20% headed, dry 10%. Barley good, 100% jointed. Corn good to excellent 75% planted. Lettuce, onions good. Lettuce harvesting continuing. Cattle, sheep good condition. Range fair to good.

NEW YORK: Rainfall above average across State, temperatures averaged near normal.

Fieldwork progress minimal. Oat planting way behind schedule at 7% complete, 21% 1982, 45% average. Corn planting beginning, same 1982, 6% average. Most wheat, hay crops in good condition. Vegetable planting erratic and behind schedule. Eastern apples in full pink stage, western approaching full pink. Lake Ontario sweet cherries, eastern pears and peaches, in full bloom.

NORTH CAROLINA: Temperature 1 to 2° below normal over the mountains and along the coast. Central area 1 to 2° above. Precipitation moderate.

Soil moisture: 2% short, 83% adequate and 15% surplus. Days suitable for fieldwork: 5.1. Condition: Small grains mostly good. Tobacco plant beds: 10% poor, 41% fair, 49% good. Irish potatoes: 30% poor, 40% fair and 30% good. Peaches: 79% poor, 14% fair and 7% good. Pasture: 27% fair, 63% good and 10% excellent. Truck crops: 18% poor, 47% fair, 35% good. Planted: Corn 68%, 92% last year, 90% average. Irish potatoes: 100%, 100% last year, 100% average. Peanuts 22%, 25% last year and 33% average. Major farm activities: Corn planting, planting soybeans, peanuts and potatoes, land preparation and transplanting tobacco.

NORTH DAKOTA: Temperatures were cooler than normal. Average temperatures ranged from 46 to 50° which is 0 to 3° below normal. Extremes from 77° south central on 5th to 20° southeast on 1st and northeast on 4th. It was another dry week. Significant rainfall was reported southwest and south central late in the week with amounts up to 0.99 in. Average rainfall ranged from 0.10 in. below normal southwest to 0.50 in. below normal east central.

Dry weather promoted rapid spring planting progress but, along with strong winds, continued to reduce topsoil moisture supplies. Gusty winds also caused soil erosion problems. An average of 6.5 days were suitable for fieldwork. Percent planted, last year and average was: Hard red spring wheat 42, 39, 40; durum 25, 28, 30; barley 32, 49, 40; oats 38, 32, 36; sunflowers less than one-half 1, 3; flax 4, 4, 7; and corn 3, 6, 7. Previously excellent topsoil moisture supplies were reduced to near normal levels. Statewide 32% was short compared to 37% average.

OHIO: Temperatures average near normal. Highs climbed into the 70's over all of the State and lows averaged in the 40's. Growing degree day accumulations ranged near normal. Rain totals were over 1.00 in. for most of the State and brought fieldwork to a halt. Wheat condition good. Farmers concerned over corn already planted. Some replanting may be necessary. Corn planted 18%, 70% 1982, 35% average. Soybeans planted 2%, 20% 1982, 10% average. Potatoes planted 25% 50% 1982, 40% average. Wheat jointed 35%. Oats emerged 60%. Days favorable 0.5. Pasture condition good. Soil moisture 2% adequate, 98% surplus. Oats planted 75%, 95% 1982, 85% average.

OKLAHOMA: Average temperatures ranged from 4° below normal southeast to 1° above normal northeast. Precipitation ranged from zero Panhandle and central districts to 1.09 in. southeast.

Favorable weather allowed small grains development to make considerable progress. Rain is especially needed in western regions where high winds have sapped soil moisture. Wheat entered dough stage in scattered areas of south. Pasture growth improved with warmer temperatures but continued in good to fair condition. Livestock now in good condition. Wheat headed: 30%, 60% 1982; 60% average. Sorghum planted: 10%, 5% 1982, 10% average. Cotton planted: 10%, 1% 1982; 5% average.

OREGON: Rainfall heaviest in east with up to 1.40 in. less than 0.50 in. elsewhere. Temperatures near normal west; 2 to 4° below in east.

Soil moisture adequate to surplus. Winter wheat fair to mostly good in west, good to excellent in east. Wheat 1% headed; 0% last year;

1% average. Barley heading. Seeding spring grains about complete. Corn still being planted; early fields emerged. Mint flaming underway. First cutting of hay ready to start. Hood River orchards good shape; thinning sprays going on. Cherry set good; peach set spotty; prune prospects poor. Strawberries have lots of blooms; plants in good shape. Early blueberries blooming heavily. Late potatoes ready to be planted. Early fields emerged. Onions mostly all planted and starting to emerge. Vegetable fields being prepared and seeded. Asparagus harvest continuing. Livestock, range and pasture conditions good to excellent.

PENNSYLVANIA: The week continued with warmer and wetter than normal spring weather. Average temperatures of 58° was 4° above normal. Extremes 85 and 26°. Average precipitation was 0.95 in. just 0.13 in. above normal. Rain fell in the first part of the week with the most in the west and north.

Wet field conditions delaying most activities. Days suitable: 2.0. Moisture mostly surplus. Activities: Plowing, spraying, hauling manure; spreading fertilizer; harvesting rye for silage; mending fences; repairing machinery; and planting oats, corn, tobacco beds, potatoes, green peas, and alfalfa. Plowing 48% complete, last year 69%, average 74%. Oats 53% planted, last year 83%. Potatoes 30% planted compared with 54% last year. Planting tobacco beds virtually complete, same as last year. Corn 8% planted, last year 24%, average 23%. Barley 10% in boot and 7% headed, last year 12% in boot and 6% headed. Wheat 6% in boot, last year 7%. Hay stand conditions good to fair. Feed from pastures average to below average. Peaches 19% pink and 73% in full bloom or past, last year 32% pink and 61% in full bloom or past. Cherries 19% pink and 73% in full bloom or past, last year 30% pink and 64% in full bloom or past. Apples 34% pink and 34% in full bloom or past, last year 37% pink and 49% in full bloom or past.

PUERTO RICO: Island average rainfall 0.94 in. or 0.42 in. below normal. Highest weekly total 5.26 in., highest 24-hour total 2.94 in. Temperatures averaged about 81 to 79° on Coasts and 74 to 70° Interior Divisions. Mean station temperature ranged from 82.5 to 65.9°. Extremes 94 and 58°.

SOUTH CAROLINA: First few days temperatures above normal, last few days mostly cooled. Only general light rains late 5th and 6th thru 7th.

Several windy days, drying soils to adequate level. Days available for outside work at 5.6, so plowing moved to 71%. Corn and other row crops responding to favorable growing conditions, conditions fair; planting at 91%, near last year's 97%, average 95%. Cotton planters very busy, 78% seeded, 87% last year, 83% average. Tobacco transplanting, replanting progressing rapidly, injured stands growing out well; 77% planted behind last year's 98%, 97% average; conditions rated fair. Soybeans seeding starting near schedule at 2%, 5% year ago, 8% average. Peach, apple and pecan injury Statewide, but some orchards have prospects for uninjured crops. Peach overall condition rated poor. Tomato, cucumber conditions fair to good after replants responded to good weather. Wheat injury to tender, earlier heads were widespread, yields will be reduced some; headed at 76%, 94% year ago, 96% average; condition fair; some truning color due to past cold injury.

SOUTH DAKOTA: Temperatures were near normal over most of the State. Extremes: 85 and 17°. Precipitation was heavy again in the southern,

eastern, and central regions, with a high report of 2.85 in.

Topsoil moisture was mostly adequate or surplus except in northeast corner where topsoil moisture supplies were short. Major activities were small grain seeding, calving and lambing. Fieldwork still slow in the south central, south-east, and east central districts. Only 3.0 days of fieldwork suitable. Winter wheat and rye in good to excellent condition throughout State. Feed and stock water supplies adequate or better over most of State. Range and pasture in generally good condition. Calving and lambing almost 85% complete. Twenty-nine percent of cattle moved to pasture. Spring wheat 78% seeded, 1982 82%, average 81%. Barley 63% seeded, 1982 80%, average 79%. Oats 50% seeded, 1982 86%, average 82%. Corn 1% planted, 1982 8%, average 14%. Sorghum 0% planted, 1982 0%, average 1%. Flaxseed 4% planted, 1982 19%, average 33%.

TENNESSEE: Days suitable for fieldwork 2.2. Soil moisture 46% adequate, 54% surplus. Corn planted 27%, 1982 55%, average 58%. Cotton planted 10%, 1982 42%, average 45%. Soybeans planted 1%, 1982 4%, average 6%. Wheat headed 16%, 1982 67%, average 73%. Tobacco transplanted 7%, 1982 5%, average 7%. Alfalfa hay cut 5%, 1982 28%, average 20%. Wheat in fair condition. Tobacco in fair condition. Pastures in fair condition.

TEXAS: Precipitation below normal most areas. A cold front early week triggered widely scattered showers. Temperatures 1 to 2° below normal, except Edwards Plateau which averaged 2° above normal.

Crops: Lack of available moisture placed stress on non-irrigated small grains and hampered development of emerging field crops. Dry conditions allowed preplanting, planting operations to make good progress. Cotton planting made good progress remained behind previous years. Plains, producers applying herbicides, getting planting underway. Cross Timbers, Blacklands, some fields emerging. South Texas, Coast, stands progressing well under warmer temperatures. Fields in Rio Grande Valley continue to develop well despite some wind damage. Sorghum planting gained momentum, expected to be underway High Plains soon. Currently stands in good condition. Insect damage remains light. Central Texas, fields coming along well after slow start. Corn planting active Plains, nearing completion rest of State. Warmer temperatures aided growth, lack of moisture, threatened development of stands being established. Insect damage has been light. South Texas, Rio Grande Valley, early fields beginning to tassel. Small Grains fields developing rapidly, dry weather may promote early maturity. Harvest expected soon South, portions of Central Texas. Grazing of PIK acres continues, some fields being baled. Dry-land wheat, oats beginning to show signs of moisture stress. Reported wheat condition 81% compared with 67% a year ago. By week's end 15% excellent; 50% good; 31% fair and 4% poor. Rice remains in good condition, developing well. Peanuts planting continuing South Texas. Other acres, preplant activity underway.

Cotton planted 15%, 20% 1982, 25% average. Cotton squaring 1%, 4% 1982, 2% average. Rice planted 90%, 92% 1982, 95% average. Rice emerged 62%, 79% 1982, 78% average. Sorghum planted all purposes 68%, 67% 1982, 67% average. Sorghum headed 2%, 4% 1982, 2% average. Wheat headed 44%, 63% 1982, 59% average. Wheat turning color 5%, 6% 1982, 6% average. Oats harvested for grain 0%, 2% 1982, 1% average. Corn planted for all purposes 88%, 91% 1982,

88% average. Peanuts planted 14%, 8% 1982, 13% average. Soybean planted 0%, 1% 1982, 1% average. Sugarbeets planted 98%, 100% 1982, 99% average. Sunflowers planted 13%, 7% 1982, 6% average.

Commercial vegetables: Rio Grande Valley, harvest of spring onions continued, volumes tapering off. Watermelons making excellent growth, watering necessary. Citrus harvest continued shipments of grapefruit, Valencia oranges slowing. Coastal Bend, cucumbers, watermelons developing well. Tomatoes making excellent growth, blooming. San Antonio-Winter Grader areas, harvest of carrots continued, light volumes being shipped. Tomatoes, watermelons progressing well. Spring onion harvest underway. East Texas, light showers beneficial to moisture-stressed fields. Tomatoes making good growth. Watermelon planting active. Trans-Pecos region, dry, windy conditions continued to hamper development of onions, potatoes. Watermelons, cantaloups establishing good stands. Plains, onions, potatoes making good growth. Moisture short, irrigation continues. Pepper planting getting underway. Peach trees look good, fruit developing. Dry, some leaf curl. Pecans developing well. Spraying active.

Range and Livestock: Range, pasture conditions continued to deteriorate. Growth of grass statted, supplemental feeding resumed in Central, South Texas. Feeding tapering off other areas. Small grains still providing fair grazing. Livestock condition remains good.

UTAH: Precipitation moderate to heavy except southeast. Greatest accumulation 4.46 in. Temperatures for week low, ranging 9 to 10° below normal.

Another week of rain and cool temperatures kept planting behind normal. Spring wheat 54% seeded, barley 56%. Winter wheat, alfalfa, and pastures making slow growth because of cool temperatures. Hay supplies running short. Losses to cattle and sheep above normal because of spring storms.

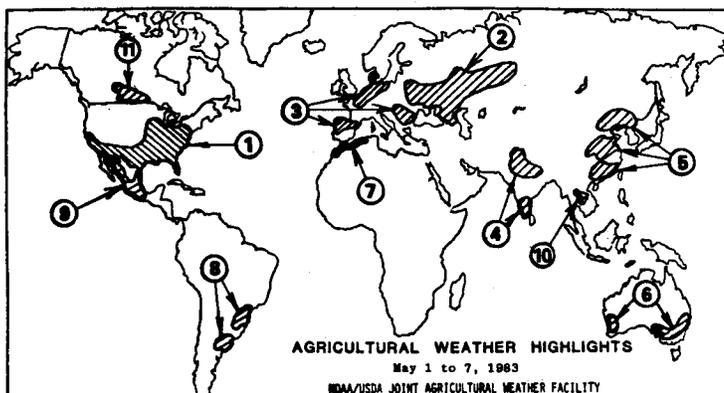
VIRGINIA: Rainfall averaged slightly over 0.20 in. in south, central and west sections and 0.50 to 0.90 in. across the remainder of the region. Temperature highs: Upper 70's and low 80's. Low temperatures dipped around 30° in west and southwest areas. Chilhowie and Hot Springs reported a low of 30°. Light frost also reported across the area. Elsewhere lows averaged low to mid 40's.

The warm, windy and mostly dry weather lowered topsoil moisture ratings to 2% short, 87% adequate and 11% surplus. Soil still very wet 3 to 4 in. down which caused problems for equipment. Farmers were able to spend 4.9 days in their fields. Planting, in general, catching up and now about a week behind normal. Corn seeding 54% complete, 70% 1982 and 61% average. Spraying active and some reseeding in the east and southeast took place. Crop condition reported good. Soybean seeding also jumped in central portions but all other areas just getting underway. About 6% complete, 8% 1982 and 6% average. Peanut seeding progressed to 24% complete compared with 66% last year and 34% average. Potato planting 96% complete compared to complete last year and average. Reseeding continuing as bare spots show up. Cotton seeding began and 25% complete, 100% last year and 91% average. Flue-cured tobacco the only variety for which planting was in progress. It was 9% complete compared with 13% last year and average. Small grains still in good condition with some yellowing still evident but topdressing should eliminate

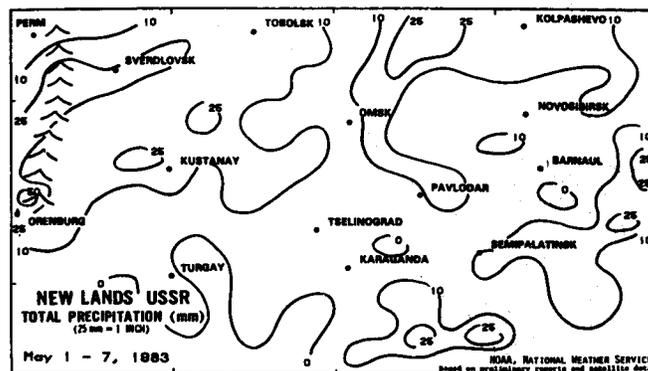
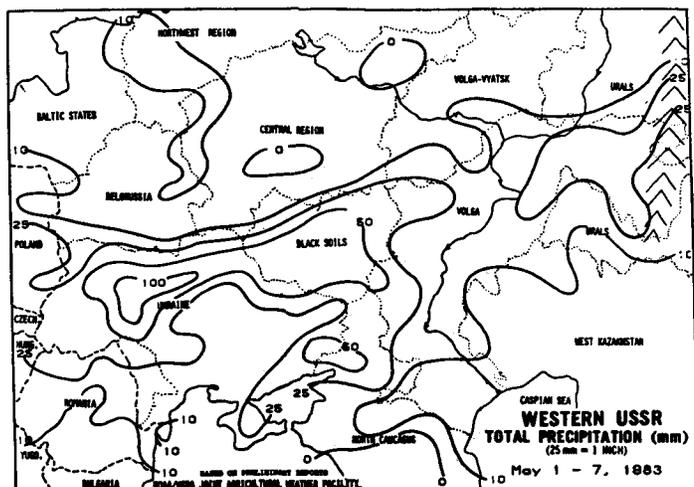
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International Weather and Crop Summary

May 1 to 7

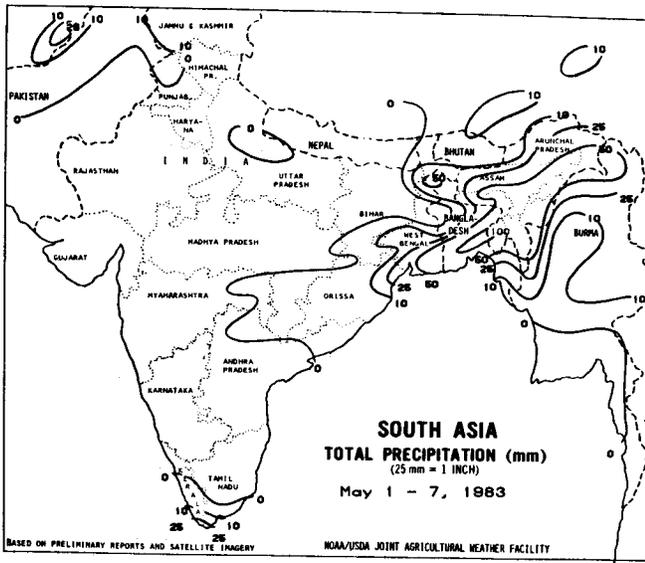


1. UNITED STATES ... Rains delay plantings in Delta States and Corn Belt, while dryness creeps northward across South Texas, stressing some crops and livestock. Planting and fieldwork progresses rapidly in the Southeast and Southwest.
2. WESTERN USSR ... Light to moderate rains benefit crops in the southern half of Western USSR. Preseason moisture is needed for spring grain planting in the New Lands.
3. EUROPE ... Light showers continue to benefit crops in Portugal and northern Spain. Continued wet weather in the north benefits winter grains but hinders spring fieldwork. Conditions are becoming too dry in southwestern crop areas.
4. SOUTH ASIA ... Continued dry weather in northern Pakistan and India benefits the wheat harvest. Lack of significant premonsoon showers over most of Peninsular India could delay summer crop planting.
5. EASTERN ASIA ... Persistent showers in the Yangtze Valley further delay rice planting. More rain is needed for portions of winter wheat in North China Plain. Light showers favor corn and soybean planting in northeastern China.
6. AUSTRALIA ... Rain in the east early in the week improves wheat planting conditions. Conditions are generally dry for the remainder of week.
7. NORTHWESTERN AFRICA ... Light, scattered showers cover most crop areas, but amounts are mostly insufficient for winter grains in the heading stage. Significant rains are needed to prevent further declines in yield.
8. SOUTH AMERICA ... Heavy rain floods parts of northeastern Argentina and southern Brazil, halting crop harvest. Harvest weather in Parana and in Argentina's corn/soybean area is generally favorable. Rain benefits Argentina's wheat planting.
9. MEXICO ... Persistent dryness stresses crops and livestock, especially in the central and southern Plateau and the unseasonably hot Northeast.
10. SOUTHEAST ASIA ... The increase in premonsoon activity in north and eastern Thailand creates favorable planting conditions. Central plains area remains relatively dry.
11. CANADA ... Cool weather and light precipitation cover wheat areas. Warmer weather is needed to promote crop germination.

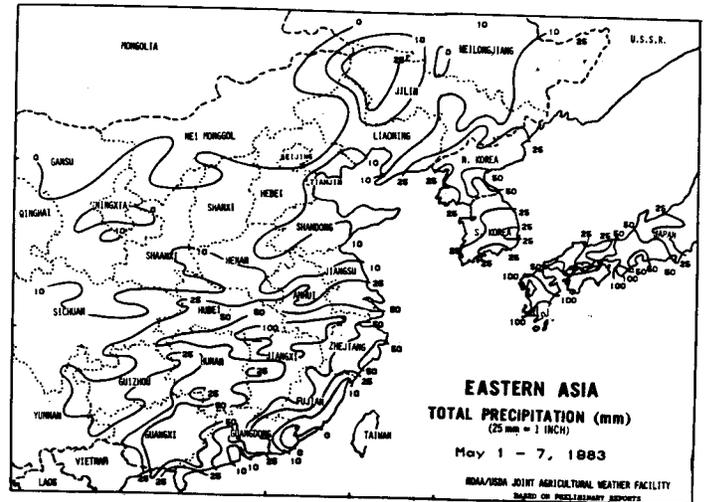


USSR...Beneficial showers covered winter grains in the southern half of western USSR. Heaviest amounts of rain fell in a band which stretched northeastward from the western Ukraine through the Black Soils Region. Precipitation amounts in these areas ranged from 50 to 100 mm, maintaining favorable soil moisture levels. The rain which fell on the south central Ukraine, North Caucasus, and southern Volga Valley improved topsoil moisture, benefiting winter grains in the vegetative stage and improving prospects for spring planted crops. Subsoil moisture supplies still remain very low in these areas, and timely rains will be needed during the growing season to maintain favorable yield prospects.

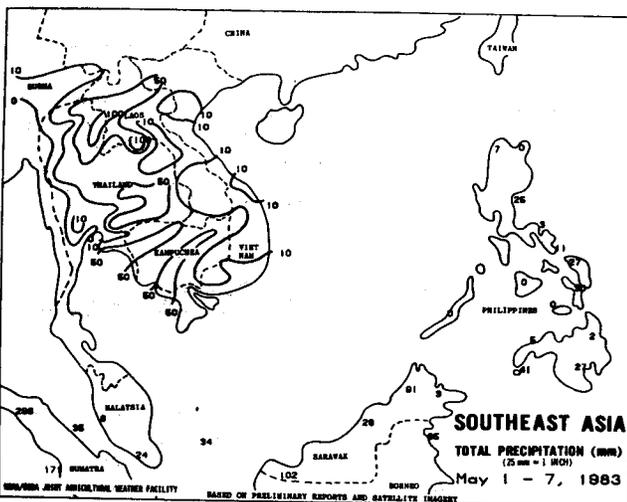
In the New Lands, spring grain planting may be beginning in the southern areas, but the majority of spring seeding normally occurs after May 15. Weekly summaries begin with this issue. The greatest percentage of moisture falls during May through August. Temperatures and precipitation during June most affect yield. In general, moisture during the winter season was above normal in most areas and weekly temperatures generally ranged above normal. Recently, spring grain areas in the north and east received some showers, while dry weather continued in the south. Weekly temperatures continued above normal except in the northwest where temperatures were below normal.



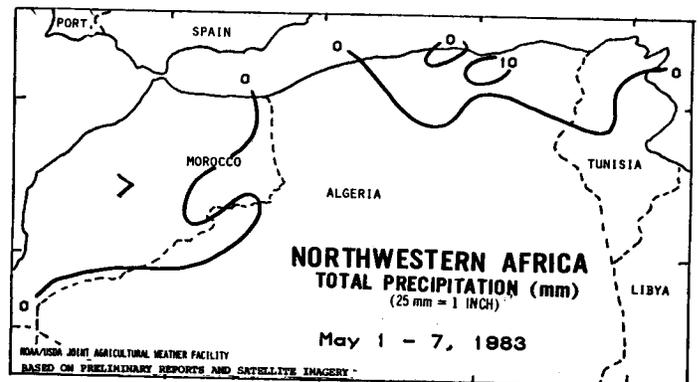
SOUTH ASIA...Favorably dry weather in northern Pakistan and India over the past 2 weeks aided the winter wheat harvest, previously delayed by unseasonably heavy rains. Moderate to heavy precipitation fell in northeastern India and Bangladesh; also, localized storms along the eastern Indian coast were indicated by satellite imagery. Light showers fell in Orissa and southern Madhya Pradesh. Moderate precipitation fell in the extreme southern tip of India. This limited area and amount of moisture is much below normal for peninsular India. More premonsoon rainfall is needed in this area before crop planting can begin.



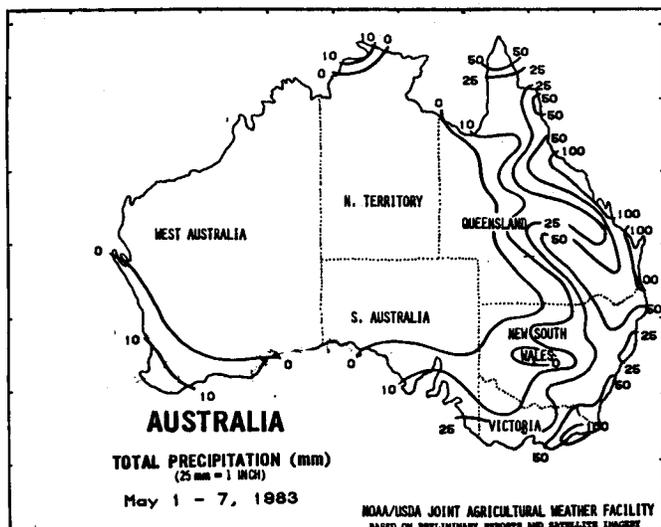
EASTERN ASIA...Precipitation covered much of the South China Plain this week with heaviest amounts in the Yangtze Valley. This persistent pattern continued to slow planting of intermediate rice which is normally over 50 percent completed. Relatively drier weather along the southeastern China coast has relieved the flooding caused by the extremely heavy rains the past few months. Light to moderate showers fell on the North China Plain benefiting summer crops. However, more moisture is needed in Hebei, Henan, and northern Anhui, to offset below-normal cumulative precipitation this spring and to prevent yield losses in winter wheat as it nears the moisture-sensitive heading stage. Light showers in northeastern China favored fieldwork and planting of corn and soybeans. Moderate showers in Korea helped winter grains in the late vegetative stage.



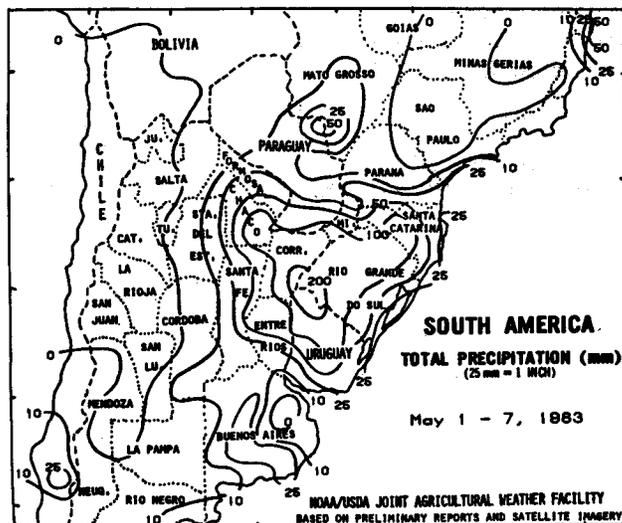
SOUTHEAST ASIA...Significant precipitation (50 mm) fell on eastern and northern areas of Thailand adding to reservoir levels. Light showers fell on eastern and central Thailand. With this increase in premonsoon moisture, summer crop planting can begin in the north and east. However, more rain would be beneficial to the important rice and corn region in the central plains. Satellite data indicated that significant rain fell in Kampuchea and northern areas of Laos and Vietnam.



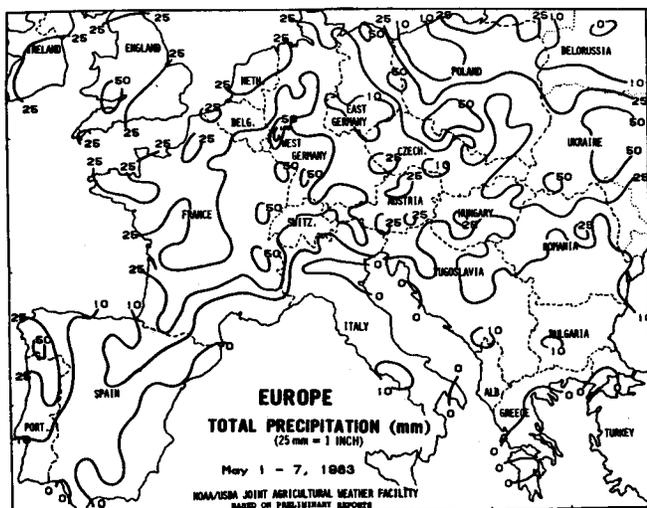
NORTHWESTERN AFRICA...Light, scattered precipitation covered most winter grain areas, but rainfall amounts were not significant enough to meet the requirements of the crop. The generally dry weather, which has covered the region for the past several weeks, was highly unfavorable as winter grains entered the moisture-sensitive heading stage. Yield prospects have declined in most areas and more rain is needed to prevent further yield losses.



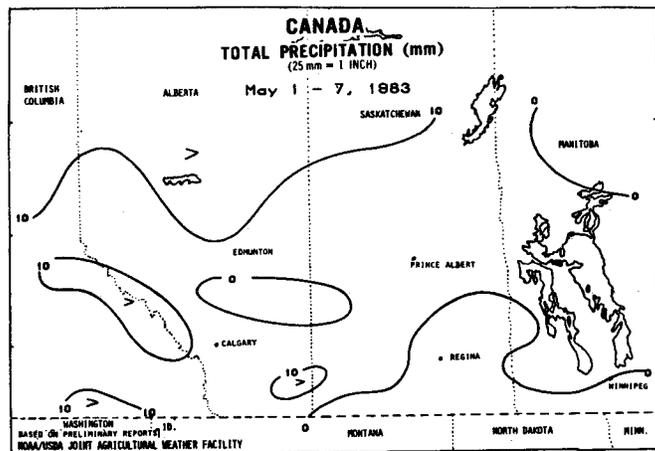
AUSTRALIA...Widespread showers early in the week brought substantial rains to eastern wheat areas as the storm system moved off the east coast. Drier weather covered the wheat areas for the remainder of the week, although western portions of Western Australia's wheat area did benefit from some showers as a storm system brushed the southwest coast. The improved moisture situation in eastern crop areas will aid wheat planting, especially in Queensland and northern New South Wales. The topsoil moisture will promote germination of newly planted wheat. Moreover, the widespread rains in recent months will help the slow recovery of pasture and grazing areas which were desiccated by the severe drought.



SOUTH AMERICA...Heavy rain fell again in northeastern Argentina and southern Brazil delaying crop harvests and causing some flooding. About 50 percent of Brazil's soybean crop has been harvested, but persistent rains, especially in Rio Grande do Sul, have waterlogged fields pushing the harvest progress further behind normal. Drier weather in Parana and Sao Paulo favored late crop harvests while isolated heavy showers interfered with the soybean harvest in Mato Grosso do Sul. Heavy rain and flooding in northern Argentina has likely hurt the rice crop and halted cotton and sorghum harvesting. Generally favorable harvest weather prevailed in the corn/soybean area of Cordoba, Santa Fe, and northern Buenos Aires while beneficial showers covered the wheat area of southern Buenos Aires where planting will soon begin.



EUROPE...Showers continued to aid crops in Portugal and northern Spain, but southern Spain was dry. Although showers continued to benefit winter grains in England, France, and most of northern Europe, the persistent rains have waterlogged fields, and planting delays have been reported in some areas. Dry weather is needed, particularly in West Germany to allow access to fields. In the southeast, a drying trend continued as most grain areas received less than normal rainfall. Winter grains are normally in the vegetative stage, and generous rains are needed in upcoming weeks as the crop advances through the moisture-sensitive reproductive stage. Weekly temperatures over the region were near normal.



CANADA...Generally cool temperatures and light precipitation covered the Prairie Provinces. In fact, weekly rainfall was minimal in most spring wheat areas. Showers produced over 10 mm of rain in extreme northeastern Alberta aiding topsoil moisture reserves in that area. Cool weather during recent weeks is the primary factor limiting spring crop planting. Most areas will also need timely spring rains for early crop development once temperatures warm the soils sufficiently to promote rapid germination and emergence of crops. Planting should increase rapidly during the next few weeks in all areas.

(continued on back cover)



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NOTICE:

The Climate Analysis Center of the National Weather Service now has a computer communications system, which has several products of interest to agricultural users. These data are not intended to replace the published versions in the Weekly Weather and Crop Bulletin, but to give a preliminary look at the data before publication.

For further information concerning this system, contact either Mr. Vernon Patterson or Mrs. Joanna Dionne at (301) 763-8071 or in writing at:

Climate Analysis Center W/NMC35
World Weather Bldg., Rm. 201
Washington, DC 20233

Please include a telephone number that we can reach you at during the day.



MEXICO... Persistent dry and warm weather was the rule as a large high pressure system continued aloft over the country. Temperatures became unseasonably warm over most areas, especially in the eastern and central regions. Extreme highest afternoon readings for the week soared up to 41°C to 44°C over parts of the northeast, causing heat stress on crops and livestock and keeping water needs unusually large. Rain is greatly needed, especially in the southern Plateau corn and bean districts. The rainy season appears to be a few weeks away yet. The seasonal broad areas of tropical showers moved across Panama into Costa Rica as a should continue northward, reaching other parts of Central America soon.

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