

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

CORRECTION: Last week's issue should have been No. 22 instead of No. 24.

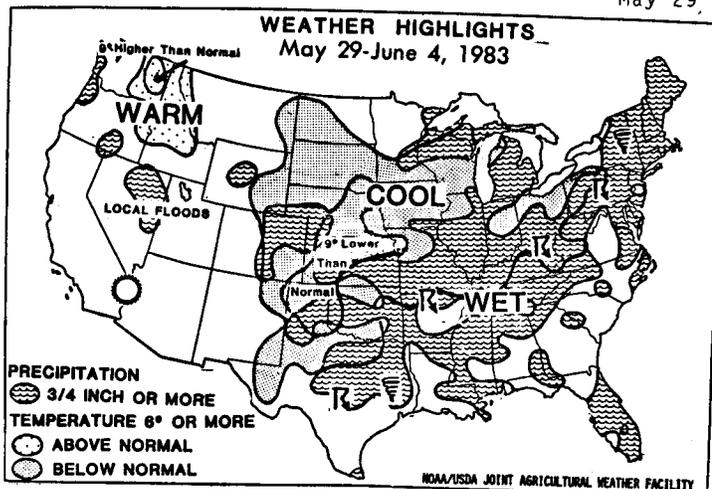
Volume 70, No. 23

WASHINGTON, D.C.

June 7, 1983

National Weather Summary

May 29 to June 5



Light showers and thunderstorms were scattered across the South, the central Rockies, and over the Plateau to the Washington and Oregon coasts. Light showers were also scattered from Nebraska through the southern Great Lakes region and over all of the Northeast into Maryland and Delaware.

WEDNESDAY...Showers spread along the west coast to central California and then across the mountains to the central and northern Plateau and Rockies. Snowmelt continued, although slower than the previous week due to cooler temperatures. However, light to moderate showers in northern Utah coupled with the snowmelt caused serious flooding in the area. Showers and thunderstorms covered the central Plains and spread through Iowa to northern Illinois. Light showers and a few thunderstorms covered the East Coast States and West Virginia from northern Georgia to southern New England.

THURSDAY...Light showers continued over the central Plateau region, the northern and central Rockies, and the northern Plains. Thunderstorms rumbled from the central Plains, to the northern Mississippi Valley, across the lower Great Lakes States, and into the Ohio Valley. Thunderstorms dumped over an inch of rain in parts of Missouri and Illinois. Temperatures were much cooler in most of the Nation except in southern Texas.

FRIDAY...Vigorous thunderstorms plagued much of the Nation from the Mississippi Valley to the east coast, except for parts of the Southeast. Lesser storms continued over the central Plateau and the central and northern Rockies, adding to a diminished snowmelt runoff to cause continued flooding in parts of the Plateau. Heavy downpours in the Tennessee and Ohio Valleys also caused local flooding.

(continued on p. 6)

HIGHLIGHTS: Showers and thunderstorms covered most the Nation except for the Southwest. Rainshowers were moderate over parts of the central Plateau, and even though snowmelt was less than the previous week, serious flooding and mudslides continued in parts of Utah, Nevada, Wyoming, and Colorado. Severe weather produced tornadoes, hail, and heavy rain in eastern Texas and parts of the central Plains. Moderate to heavy rain in the Tennessee Valley and Kentucky made the already wet conditions more severe. Average temperatures continued cooler than normal east of the Rockies--6-9° cooler in the Plains and across the Corn Belt.

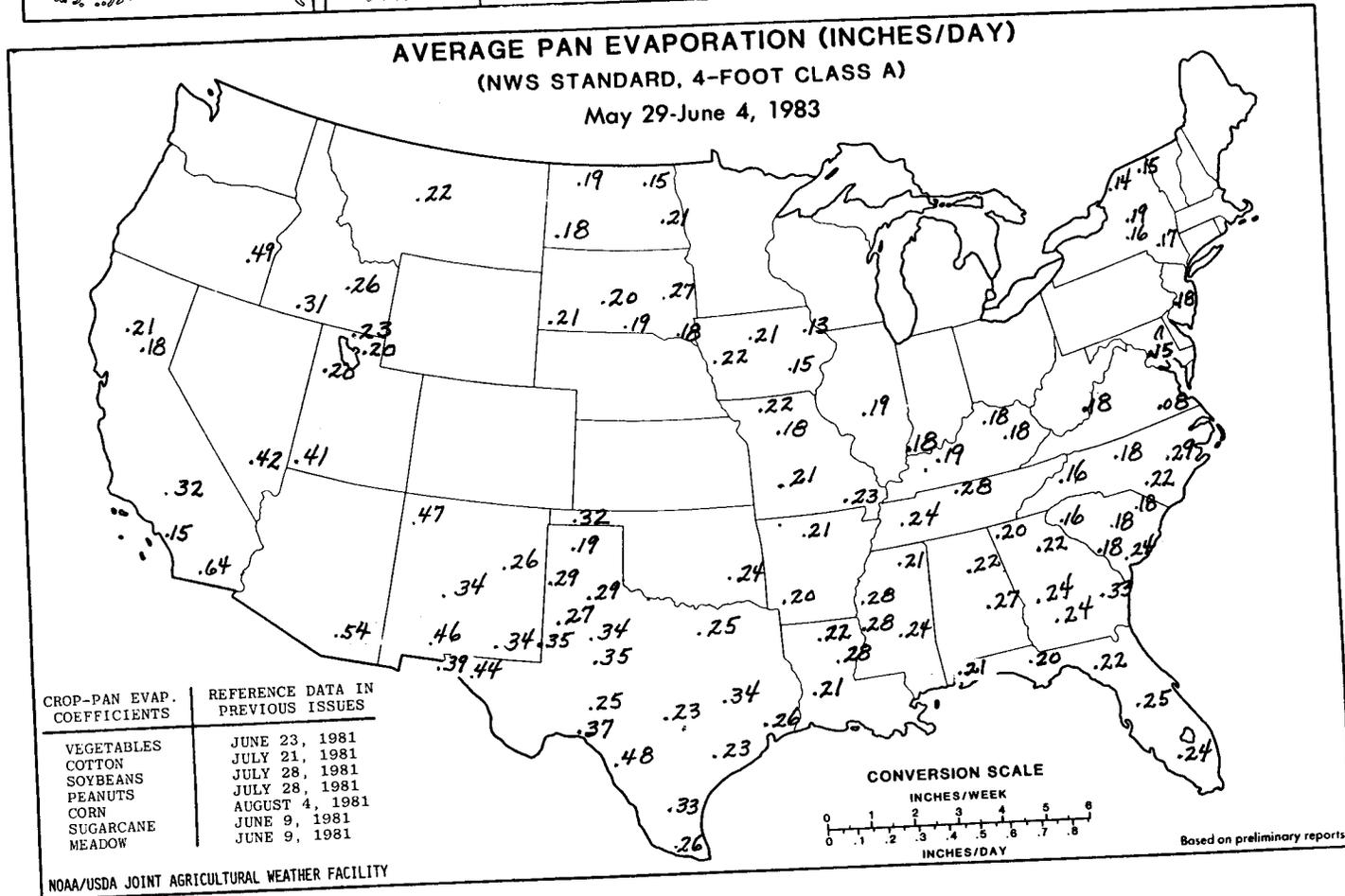
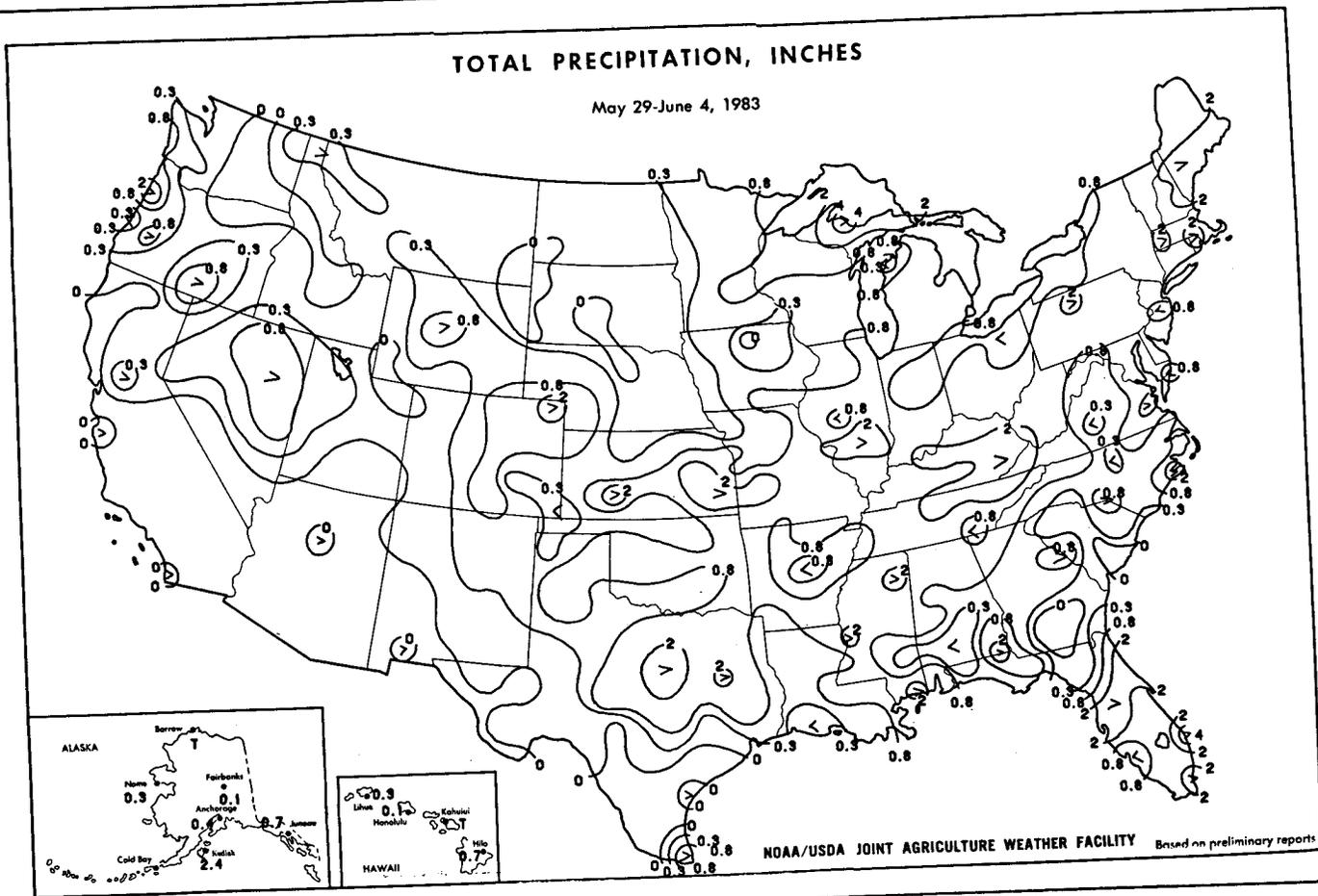
SUNDAY...Light, occasionally moderate showers and thunderstorms fell in most areas east of the Mississippi River and from Louisiana to the central and southern Rockies and the western portion of the central Plains. Some heavy thunderstorms covered portions of Florida. Temperatures were getting quite warm in the Southwest as afternoon readings reached 90° from Utah to central California.

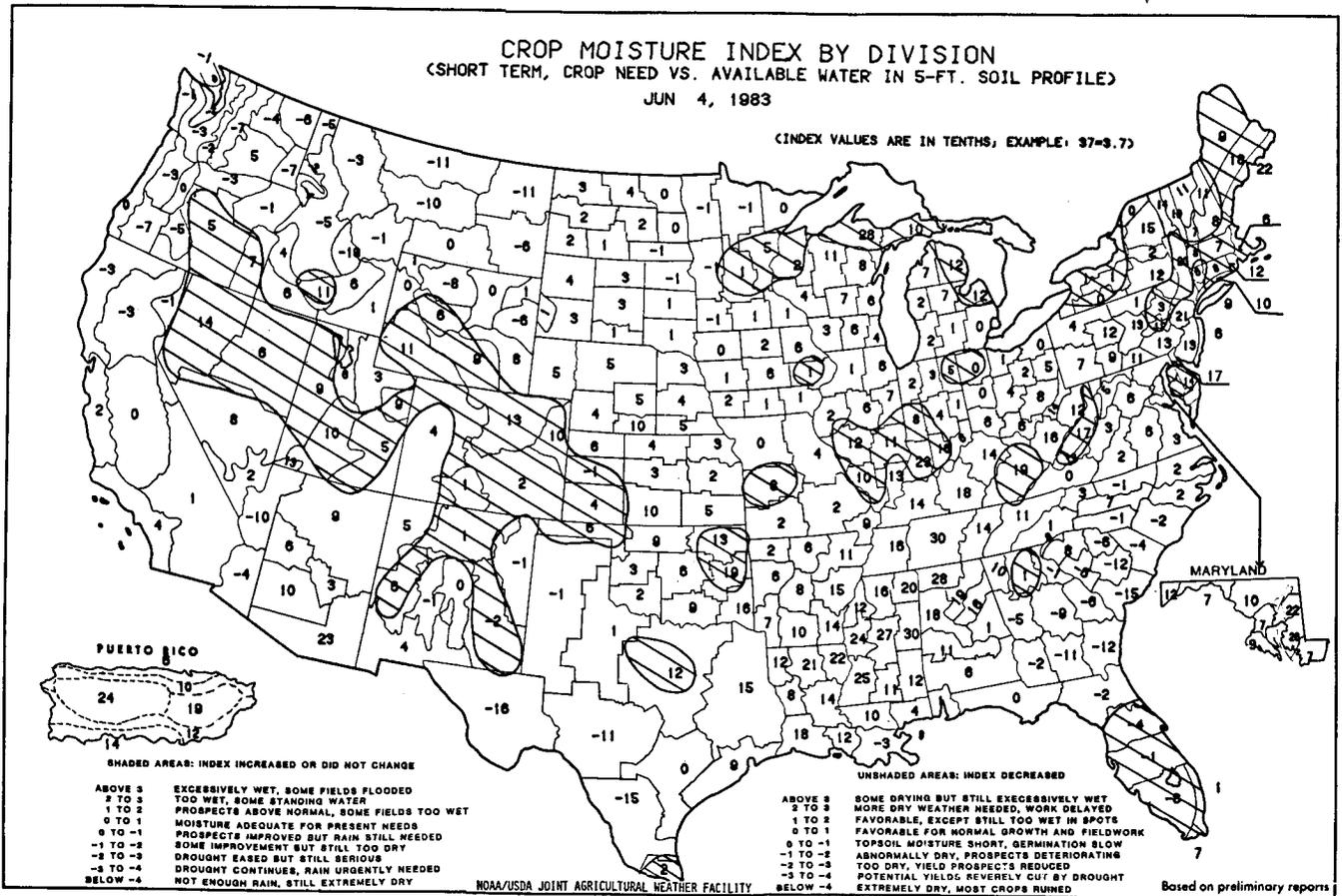
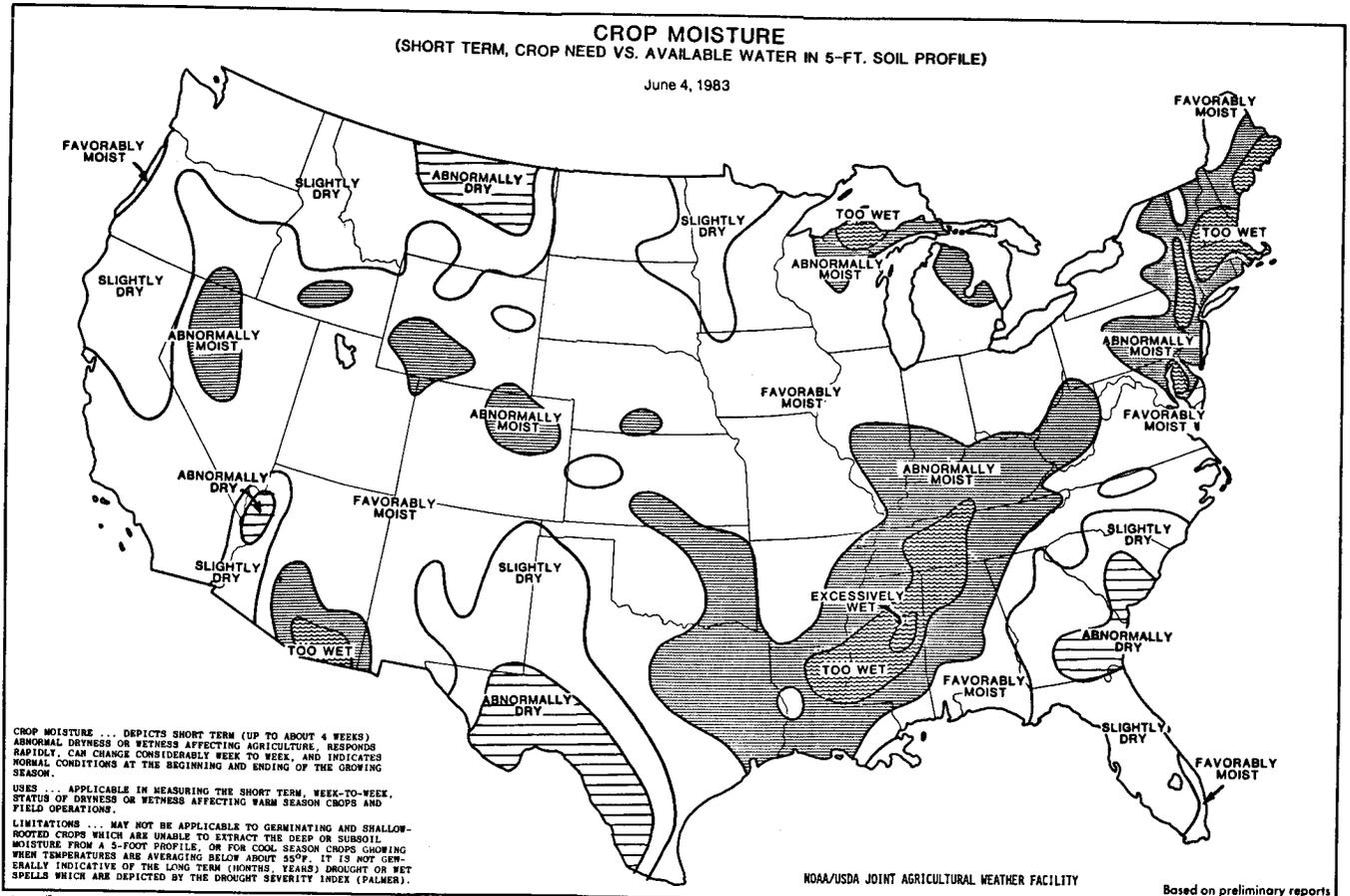
MONDAY...Cooler weather settled over the northern and central Plains and Rockies, slowing the snowmelt out of the Rockies. However, light, occasionally moderate showers spread from eastern New Mexico into Wyoming and across the southern Plains to the Mississippi River. Thunderstorms produced large hail in central Texas and Oklahoma. Showers fell throughout the central and northern Mississippi Valley, across the Great Lakes, and through the Northeast. Light showers fell along the rest of the east coast and were moderate over Florida.

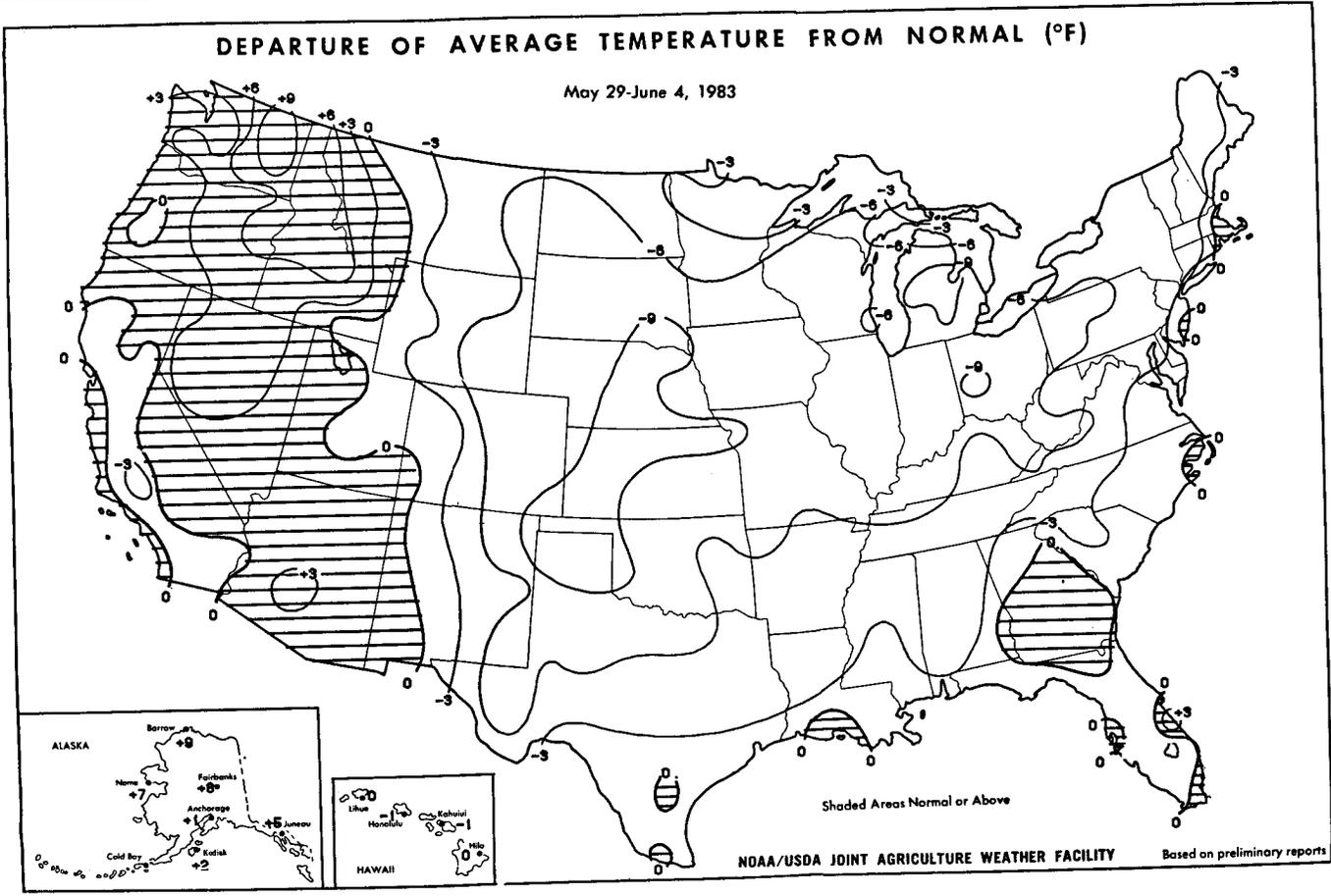
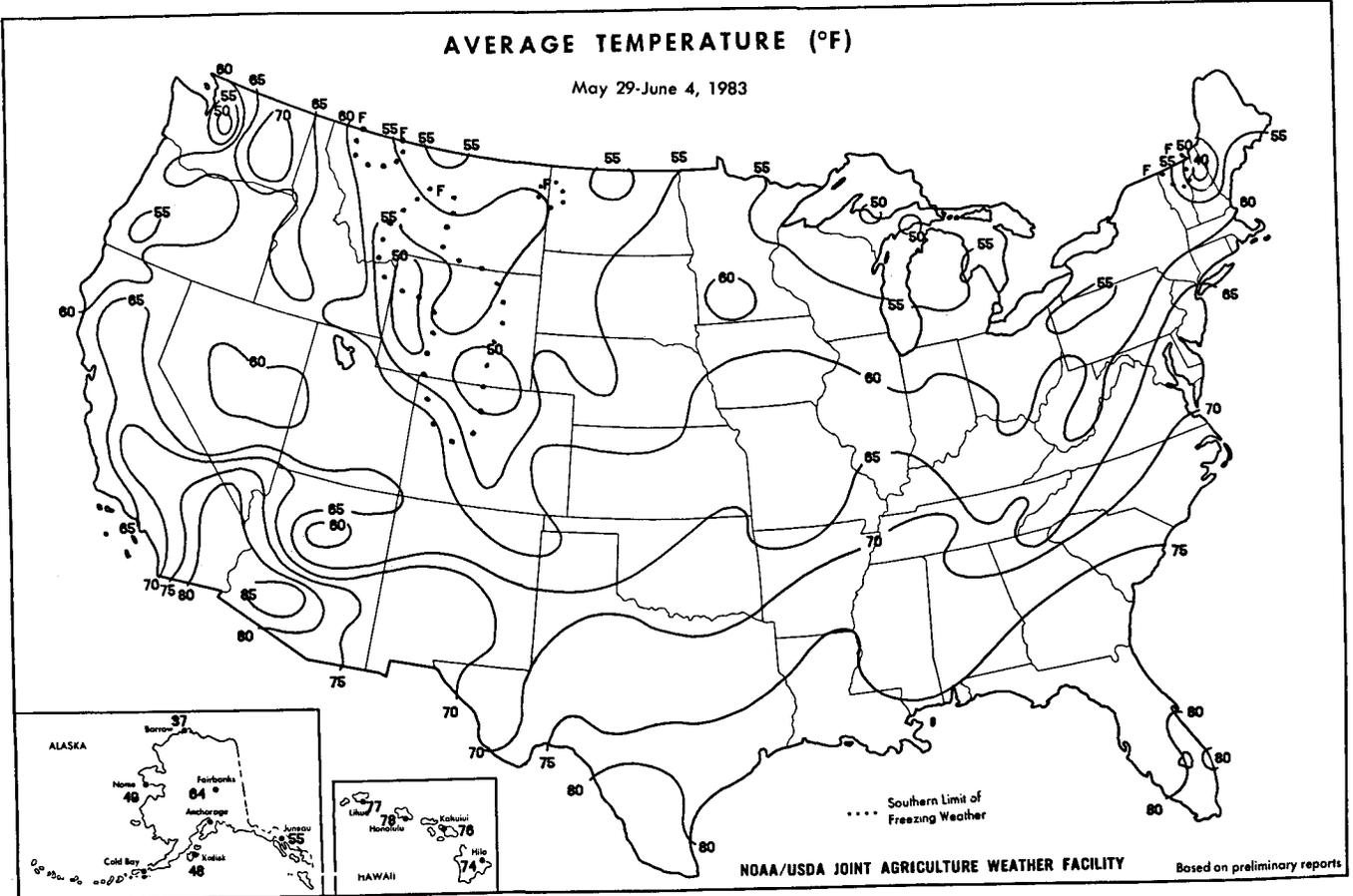
TUESDAY...Cool weather continued to spread over the Rockies and Plains. Record-low temperatures were reported from the Texas Panhandle into Colorado.

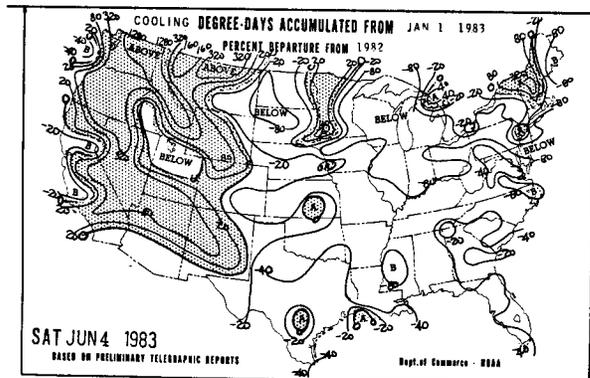
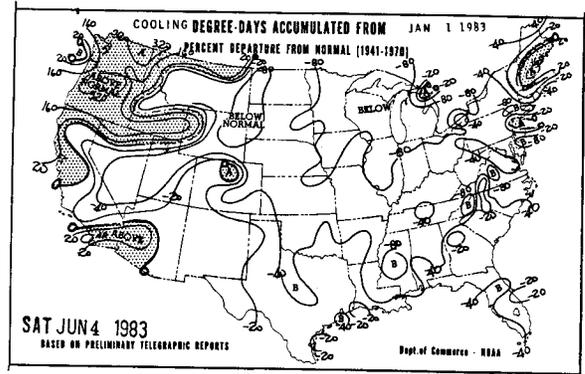
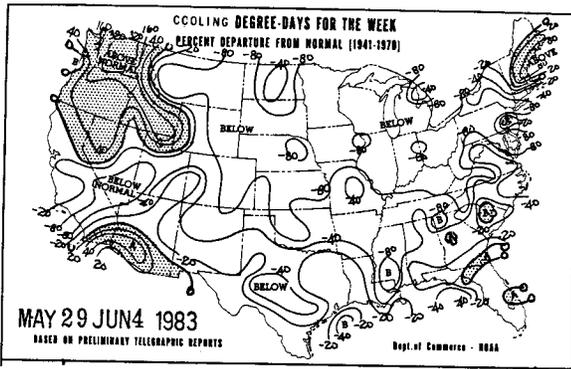
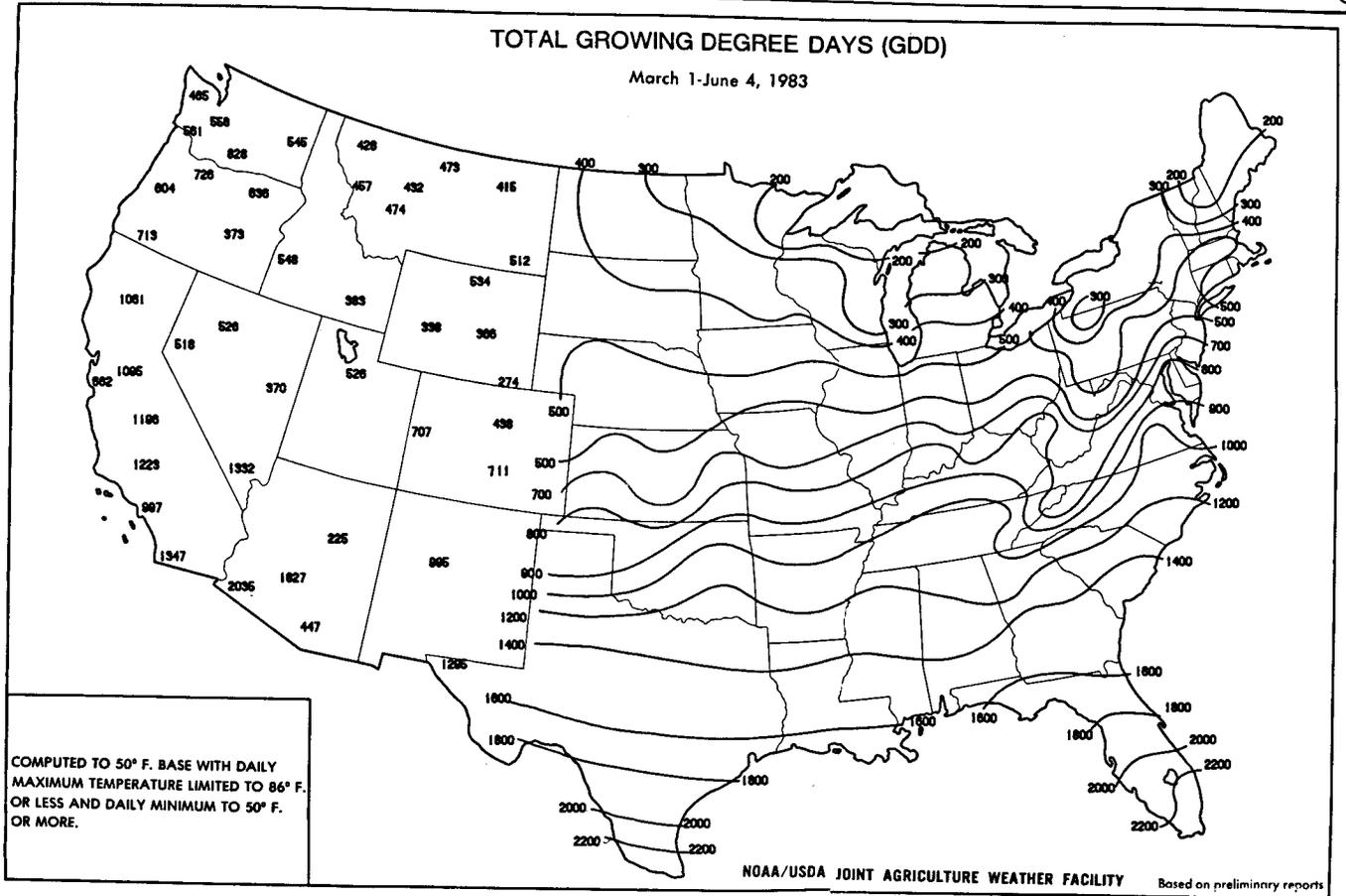
Contents

	Page
National Weather Summary	1
Precipitation & Pan Evaporation	2
Crop Moisture & Crop Moisture Index	3
Average Temperature & Departure	4
Growing Degree Days & Cooling Degree Days	5
Weather Data for Selected Cities	6
May Weather & Crop Summary	9
May Precipitation & Percent of Normal	10
May Temperature & Departure	11
May Weather Data for Selected Cities	12
National Agricultural Summary	13
Crop Progress & State Summaries of Weather & Agriculture	14
International Weather & Crop Summary	21
Subscription & Mailing Permit Information	24









Weather Data for the Week Ending June 4, 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 /May 29	PCT. NORMAL SINCE /May 29	TOTAL, IN., SINCE /Jan. 1	PCT. NORMAL SINCE /Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	82	59	90	53	70	-4	.5	-.4	.3	.5	56	34.4	127	87	43	1	0	2	0	0	0
MOBILE	87	64	89	58	75	-3	1.5	-.4	1.5	1.5	136	40.2	144	88	48	0	0	2	1	1	0
MONTGOMERY	85	61	91	55	73	-3	.1	-.7	.1	.1	13	37.7	160	89	44	1	0	0	1	0	0
AK ANCHORAGE	58	46	63	43	52	-1	.4	-.3	.2	.4	400	2.9	85	86	53	0	0	4	4	0	0
BARROW	43	31	55	21	37	-1	.1	-.1	.1	.1	0	.3	21	96	75	0	0	4	1	0	0
FAIRBANKS	75	53	84	47	64	8	.1	-.1	.1	.1	50	.9	38	70	26	0	0	0	3	0	0
JUNEAU	63	47	74	44	55	5	.7	0	.7	.7	100	14.5	81	95	58	0	0	0	2	1	1
KODIAK	53	44	56	38	48	2	2.4	1.1	.9	2.4	185	40.4	149	96	69	0	0	0	5	1	1
NOME	56	42	65	35	49	7	.3	.1	.2	.3	150	2.1	54	86	54	0	0	0	2	0	0
AZ PHOENIX	100	75	108	66	87	5	0	0	0	0	+100	5.2	193	34	9	7	0	0	0	0	0
PRESOTT	76	51	85	41	63	1	0	-.1	0	0	0	4.9	91	67	25	0	0	0	0	0	0
TUCSON	95	66	101	58	80	2	0	0	0	0	+100	4.2	150	38	11	6	0	0	0	0	0
YUMA	97	71	107	62	84	1	0	0	0	0	+100	1.3	144	42	14	6	0	0	0	0	0
AR FORT SMITH	79	58	86	45	68	-6	.8	-.2	.4	.8	80	13.7	73	91	48	0	0	0	3	0	0
LITTLE ROCK	80	60	86	51	70	-5	.1	-.8	.1	.1	11	22.4	92	86	46	0	0	0	4	0	0
CA BAKERSFIELD	84	58	91	52	71	-4	0	0	0	0	+100	6.9	192	78	30	1	0	0	0	0	0
EUREKA	61	52	63	51	56	3	0	0	0	0	0	35.1	160	87	70	0	0	0	1	0	0
FRESNO	84	57	90	54	71	-1	0	0	0	0	+100	16.3	243	75	30	2	0	0	0	0	0
LOS ANGELES	67	58	70	55	62	-2	0	0	0	0	+100	20.6	261	83	61	0	0	0	0	0	0
RED BLUFF	84	59	93	56	71	-1	0	0	0	0	0	29.1	240	84	32	1	0	0	2	0	0
SACRAMENTO	80	53	91	51	67	-2	.4	.4	.4	.4	+100	23.7	232	88	43	1	0	0	1	0	0
SAN DIEGO	70	63	72	60	66	2	0	0	0	0	+100	14.2	233	83	61	0	0	0	0	1	0
SAN FRANCISCO	65	53	71	51	59	0	0	0	0	0	+100	25.9	219	81	58	0	0	0	0	0	0
CO DENVER	64	43	73	35	53	-9	1.0	.5	.6	1.0	200	10.9	156	89	47	0	0	0	5	1	0
GRAND JUNCTION	80	55	86	51	67	-1	.2	.1	.1	.2	200	5.9	164	77	29	0	0	0	4	0	0
PUEBLO	73	46	83	43	59	-7	.2	0	.2	.2	100	5.7	139	90	39	0	0	0	4	0	0
CT BRIDGEPORT	68	54	73	49	61	-3	1.8	1.1	1.1	1.8	257	31.5	188	92	59	0	0	0	5	1	1
HARTFORD	72	51	79	45	62	-3	2.0	1.3	1.0	2.0	286	30.9	168	87	49	0	0	0	5	1	1
DC WASHINGTON	75	61	79	55	68	-3	1.4	.6	.7	1.4	175	21.8	140	88	57	0	0	0	5	1	1
FL APALACHICOLA	86	66	89	61	76	-2	.7	-.2	.7	.7	78	27.8	156	92	56	0	0	0	3	2	1
DAYTONA BEACH	84	68	89	65	76	-2	3.7	2.5	2.6	3.7	308	26.4	182	95	64	0	0	0	3	1	2
JACKSONVILLE	86	64	90	60	75	-2	.6	-.6	.6	.6	50	25.9	137	98	56	2	0	0	1	1	1
KEY WEST	87	76	88	72	82	0	2.3	1.2	1.2	2.3	209	31.9	304	91	72	0	0	0	3	2	2
MIAMI	89	72	91	70	81	1	1.9	-.1	1.2	1.9	95	20.1	119	89	56	4	0	0	5	1	1
ORLANDO	88	71	92	69	79	0	1.7	-.4	1.2	1.7	131	20.9	134	96	54	5	0	0	4	1	1
TALLAHASSEE	90	65	92	61	77	0	1.0	.3	.9	1.0	77	35.7	145	95	46	3	0	0	2	1	1
TAMPA	87	72	92	70	79	0	3.9	2.9	3.9	3.9	390	23.0	155	94	57	2	0	0	1	1	1
WEST PALM BEACH	87	72	88	70	79	0	5.1	3.3	1.9	5.1	283	32.7	178	94	71	0	0	0	6	4	4
GA ATLANTA	82	60	88	54	71	-2	.5	-.3	.3	.5	63	21.2	91	90	41	0	0	0	3	0	0
AUGUSTA	87	59	93	50	73	-2	.9	-.1	.8	.9	113	24.7	128	82	37	2	0	0	4	1	0
MACON	91	65	95	56	78	1	.4	-.4	.4	.4	50	25.4	119	78	33	5	0	0	1	0	0
SAVANNAH	87	66	91	63	77	0	.1	-1.1	.1	.1	8	26.5	142	86	42	3	0	0	4	1	0
HI HILO	86	69	87	66	78	-1	.1	-.1	.1	.1	50	1.6	13	87	49	0	0	0	1	0	0
HONOLULU	86	66	90	64	76	-1	.1	-.1	.1	.1	0	2.8	26	83	52	1	0	0	0	0	0
KAHULUI	86	66	90	64	76	-1	.1	-.1	.1	.1	0	2.8	26	83	52	1	0	0	0	0	0
LIHUE	82	71	83	65	77	0	.3	-.2	.3	.3	60	5.1	24	78	57	0	0	0	2	0	0
ID BOISE	80	54	90	46	67	5	0	-.4	0	0	0	0	5.2	91	65	27	2	0	0	1	0
LEWISTON	82	56	100	49	69	7	0	-.4	0	0	0	0	10.1	158	78	28	1	0	0	1	0
POCATELLO	73	47	85	43	60	2	0	-.3	0	0	0	7.5	136	76	33	0	0	0	4	1	0
IL CHICAGO	66	49	79	41	57	-8	1.1	-.2	.9	1.1	122	20.5	154	93	55	0	0	0	1	0	0
MOLINE	70	50	83	42	60	-7	.4	-.6	.2	.4	40	12.0	82	95	50	0	0	0	5	0	0
PEORIA	69	51	78	43	60	-7	.9	0	.7	.9	100	18.8	131	93	53	0	0	0	3	1	1
QUINCY	70	52	79	45	61	-8	1.0	-.1	.8	1.0	111	15.3	101	94	51	0	0	0	3	1	1
ROCKFORD	66	48	78	40	57	-8	.3	-.6	.3	.3	33	12.3	84	97	56	0	0	0	3	0	0
SPRINGFIELD	71	52	80	44	62	-8	.7	-.1	.4	.7	88	15.2	107	95	52	0	0	0	2	1	1
IN EVANSVILLE	75	54	81	47	65	-6	1.6	.7	1.5	1.6	178	27.8	136	86	45	0	0	0	2	1	1
FORT WAYNE	68	51	74	47	59	-6	.7	-.2	.4	.7	78	13.0	86	93	53	0	0	0	3	0	0
INDIANAPOLIS	68	51	76	46	60	-8	.5	-.3	.4	.5	63	14.6	87	96	53	0	0	0	5	0	0
SOUTH BEND	65	51	71	47	58	-7	.9	-.2	.4	.9	129	14.6	99	95	55	0	0	0	3	0	0
IA DES MOINES	72	51	86	44	62	-6	.3	-.7	.2	.3	30	14.8	119	83	41	0	0	0	2	0	0
SIoux CITY	70	47	78	41	58	-9	.1	-.8	.1	.1	11	13.0	137	76	40	0	0	0	2	0	0
WATERLOO	69	48	79	42	59	-6	.1	-.9	.1	.1	10	13.9	112	94	52	0	0	0	3	0	0
KS CONCORDIA	70	49	83	41	59	-10	.5	-.6	.4	.5	45	11.7	117	90	46	0	0	0	3	0	0
DODGE CITY	73	53	83	49	63	-7	2.5	1.7	1.2	2.5	313	12.6	159	89	47	0	0	0	5	2	2
GOODLAND	69	48	80	44	59	-6	.9	-.2	.4	.9	129	8.3	132	90	47	0	0	0	6	0	0
TOPEKA	75	54	86	47	64	-6	.6	-.5	.4	.6	55	17.6									

Weather Data for the Week Ending June 4, 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 May 29	PCT. NORMAL SINCE May 29	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME	83	62	91	49	73	-4	.4	.6	.3	.4	40	24.4	113	91	52	1	0	2	0
ME	61	42	68	40	52	-5	1.5	.8	.8	1.5	214	17.5	92	53	0	0	4	1	
ME	65	46	77	37	58	-2	2.2	1.5	1.0	2.2	314	32.0	177	94	58	0	0	5	2
MD	74	56	78	50	65	-4	1.0	.1	.7	1.0	111	26.2	158	96	55	0	0	4	1
MD	74	58	78	51	66	-2	1.7	1.0	1.0	1.7	243	23.7	132	100	74	0	0	3	1
MA	73	57	80	53	65	-1	1.3	.6	.8	1.3	186	29.8	159	91	54	0	0	4	2
MA	64	52	70	50	58	1	1.1	.3	.7	1.1	138	31.9	156	95	74	0	0	6	2
MI	63	42	71	36	52	-5	1.9	1.2	1.1	1.9	271	17.4	161	100	60	0	0	5	1
MI	64	47	71	41	56	-8	.8	.1	.5	.8	114	13.6	107	89	54	0	0	5	0
MI	63	48	70	44	56	-6	.8	.1	.5	.8	114	12.4	102	93	63	0	0	5	0
MI	63	47	72	42	55	-8	1.3	.5	.7	1.3	163	16.6	127	98	67	0	0	4	1
MI	61	46	71	40	53	-6	1.2	.5	1.1	1.2	171	12.6	126	94	58	0	0	3	1
MI	62	46	70	39	54	-9	.9	.2	.4	.9	129	13.6	112	99	63	0	0	4	0
MI	58	39	69	32	49	-7	4.3	.2	2.8	4.3	478	20.9	145	98	62	0	1	6	2
MI	59	45	68	42	52	-9	1.4	.8	.5	1.4	233	12.2	95	96	69	0	0	4	2
MI	63	43	73	39	53	-2	2.7	.0	1.2	2.7	386	14.3	128	97	55	0	0	4	3
MN	67	49	74	43	58	-3	.1	.8	.1	.1	11	4.1	49	88	40	0	0	2	0
MN	62	45	74	43	54	-2	.5	.3	.2	.5	63	8.5	89	89	58	0	0	5	0
MN	67	49	73	44	58	-6	1.8	.9	.8	1.8	200	16.6	191	99	53	0	0	5	2
MN	67	49	73	44	58	-6	1.8	.9	.8	1.8	200	16.6	191	99	53	0	0	5	2
MN	64	46	71	42	55	-8	.5	.4	.3	.5	56	10.7	113	93	55	0	0	3	0
MS	82	64	91	60	73	-3	1.4	.5	1.0	1.4	156	36.2	136	93	53	1	0	3	1
MS	84	65	92	61	75	-2	.5	.3	.3	.5	63	45.9	175	94	52	1	0	3	0
MS	83	61	88	55	72	-3	.6	.2	.3	.6	75	39.0	151	98	54	0	0	3	0
MO	76	57	83	49	66	--	.9	.0	.7	.9	100	24.5	119	95	46	0	0	2	1
MO	71	52	80	44	62	-7	.8	.2	.5	.8	80	18.5	123	96	52	0	0	3	0
MO	71	49	81	43	60	-10	.5	.5	.3	.5	50	16.4	123	97	48	0	0	3	0
MO	72	55	80	47	64	-7	2.9	2.0	1.7	2.9	322	21.6	148	97	45	0	0	3	2
MO	73	52	82	43	62	-7	1.1	.1	.8	1.1	110	19.1	118	94	49	0	0	2	1
MT	67	45	75	38	56	-3	.3	.3	.3	.3	50	4.3	61	73	34	0	0	1	0
MT	66	42	72	35	54	-6	T	.5	T	0	0	2.5	60	71	30	0	0	1	0
MT	67	44	80	36	56	-2	.1	.6	.1	.1	14	3.7	54	77	36	0	0	2	0
MT	66	43	75	37	54	-5	.1	.4	.1	.1	20	4.6	96	80	34	0	0	1	0
MT	71	46	82	36	58	2	.1	.4	.1	.1	20	2.8	64	72	28	0	0	2	0
MT	72	47	86	33	59	4	.3	.3	.2	.3	50	6.9	105	84	36	0	0	4	0
MT	68	44	76	39	56	-6	.1	.6	.1	.1	14	2.6	46	71	25	0	0	1	0
MT	74	48	85	40	61	5	.2	.2	.1	.2	50	6.3	117	80	31	0	0	2	0
NE	69	48	79	42	58	-8	.3	.7	.1	.3	30	10.6	112	83	42	0	0	3	0
NE	74	50	84	43	62	-6	.1	.8	.1	.1	11	11.6	115	86	40	0	0	2	0
NE	70	48	78	40	59	-7	T	1.0	T	0	0	10.5	112	85	37	0	0	1	0
NE	66	44	75	36	55	-8	1.0	.1	.7	1.0	111	8.3	108	86	43	0	0	3	1
NE	71	50	79	43	60	-7	.1	1.0	.1	.1	9	14.5	129	83	46	0	0	2	0
NE	66	45	76	43	56	-7	.5	.2	.3	.5	71	9.0	150	86	41	0	0	4	0
NE	66	43	78	35	55	-8	T	.7	T	0	0	7.7	112	78	33	0	0	1	0
NV	71	40	85	34	55	1	2.0	1.8	1.2	2.0	1000	8.3	193	88	39	0	0	3	1
NV	92	67	105	57	80	1	0	0	0	0	+100	2.4	133	30	10	3	0	0	0
NV	76	47	87	40	62	3	.5	.4	.3	.5	500	6.7	181	83	30	0	0	4	0
NV	75	49	89	44	62	3	.7	.5	.3	.7	350	5.5	131	88	37	0	0	4	0
NH	67	45	77	35	56	-5	2.0	1.3	1.2	2.0	286	24.9	173	94	54	0	0	4	2
NJ	75	57	80	48	66	1	1.3	.7	.5	1.3	217	24.6	137	95	54	0	0	6	1
NM	85	52	89	47	69	-1	.1	0	.1	.1	100	2.8	127	59	15	0	0	1	0
NM	78	51	89	44	65	-5	.6	0	.3	.6	100	3.7	76	85	32	0	0	2	0
NM	84	55	92	47	69	-6	.2	0	.2	.2	100	2.2	100	58	25	2	0	3	0
NY	68	50	75	45	59	-4	1.1	.3	.5	1.1	138	25.8	187	97	63	0	0	5	1
NY	66	48	74	44	57	-3	1.3	.5	.7	1.3	163	20.0	141	92	48	0	0	5	1
NY	67	50	72	46	59	-3	.6	0	.4	.6	100	11.9	80	89	50	0	0	4	0
NY	73	58	78	56	65	-2	1.8	1.0	1.0	1.8	225	31.2	176	91	57	0	0	4	1
NY	68	48	71	44	58	-5	.6	.1	.3	.6	86	12.2	94	96	55	0	0	5	0
NY	69	48	77	46	59	-4	.8	.1	.4	.8	114	15.0	98	96	53	0	0	5	0
NC	77	50	80	43	64	-3	.6	.4	.5	.6	60	24.7	122	99	56	0	0	3	1
NC	80	59	83	55	70	-3	.2	.6	.1	.2	25	20.4	107	81	43	0	0	2	0
NC	76	56	80	46	66	-5	1.2	.3	.7	1.2	133	20.1	114	90	52	0	0	4	1
NC	79	63	82	54	71	0	1.4	.4	.8	1.4	140	34.1	170	90	60	0	0	2	2
NC	83	62	87	56	73	-1	.8	.3	.4	.8	73	26.8	139	93	52	0	0	4	0
NC	79	58	84	47	69	-2	.1	.8	.1	.1	11	22.1	126	92	48	0	0	3	0
NC	83	59	89	49	71	-3	.3	.8	.1	.3	27	25.0	134	98	51	0	0	4	0
ND	65	40	71	36	53	-8	T	.6	T	0	0	4.3	72	83	39	0	0	1	0
ND	68	47	74	42	57	-4	.2	.4	.2	.2	33	5.3	85	83	41	0	0	2	0
ND	68	48	76	43	58	-2	T	.5	T	0	0	4.4	80	76	34	0	0	2	0
ND	68	41	73	32	54	-5	.2	.4	.1	.2	33	3.5	71	84	38	0	1	2	0
OH	70	50	77	45	60	-8	.9	0	.8	.9	100	19.3	105	90	48	0	0	3	1
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56	0	0	3	0
OH	66	47	69	41	57	-7	.6	.2	.4	.6	75	14.0	93	91	56	0	0	3	0
OH	67	49	73	43	58	-6	.7	.1	.3	.7	88	16.9	108	90	56				

Weather Data for the Week Ending June 4, 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 May 29	PCT. NORMAL SINCE May 29	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
DAYTON	67	50	74	45	58	-9	.8	-.1	.5	.8	89	14.5	92	84	46	0	0	2	1	
TOLEDO	65	46	72	39	56	-9	.5	-.3	.4	.5	63	11.6	91	98	57	0	0	3	0	
YOUNGSTOWN	64	44	67	38	54	-8	.6	-.2	.3	.6	75	14.3	91	96	57	0	0	3	0	
OK OKLAHOMA CITY	76	56	83	44	66	-7	1.4	-.2	1.3	1.4	117	16.2	119	89	46	0	0	2	1	
TULSA	78	59	87	50	69	-5	.4	-.8	.4	.4	33	18.4	116	92	47	0	0	2	0	
OR ASTORIA	63	54	66	49	58	4	.7	-.1	.4	.7	117	39.1	121	92	68	0	0	5	0	
BURNS	72	45	86	39	59	2	.7	-.5	.6	.7	350	9.5	190	85	49	0	0	4	1	
MEDFORD	73	52	93	43	63	1	T	-.2	T	0	0	11.7	121	84	41	1	0	2	0	
PENDLETON	78	53	96	46	66	3	0	-.2	0	0	0	6.6	114	68	31	1	0	0	0	
PORTLAND	68	56	87	49	62	2	-.1	-.3	-.1	.1	25	24.1	132	86	55	0	0	3	0	
SALEM	68	53	80	43	60	2	.3	-.1	.3	.3	75	29.7	145	83	56	0	0	3	1	
PA ALLENTOWN	71	52	75	47	62	-4	1.4	-.6	.7	1.4	175	24.0	136	91	52	0	0	5	1	
ERIE	66	48	72	44	57	-3	.5	-.4	.2	.5	56	13.0	88	86	55	0	0	3	0	
HARRISBURG	70	53	76	47	62	-6	1.2	-.4	.4	1.2	150	24.6	156	87	50	0	0	3	0	
PHILADELPHIA	74	57	79	51	65	-2	.7	-.2	.2	.7	78	29.6	179	95	55	0	0	4	0	
PITTSBURGH	68	48	73	39	58	-6	.9	-.1	.6	.9	113	16.3	101	87	46	0	0	3	1	
SCRANTON	69	51	75	45	60	-4	1.7	-.9	.7	1.7	213	19.9	150	87	50	0	0	6	1	
RI PROVIDENCE	70	56	77	50	63	0	3.1	2.4	2.0	3.1	443	36.2	188	85	55	0	0	5	2	
SC CHARLESTON	86	65	89	58	75	0	T	-1.3	T	0	0	26.8	143	91	44	0	0	0	0	
COLUMBIA	86	59	90	47	72	-3	.1	-.9	.1	.1	10	22.9	115	92	36	1	0	1	0	
FLORENCE	86	62	90	54	74	-1	.3	-.6	.3	.3	33	24.4	147	95	44	1	0	2	0	
GREENVILLE	80	57	82	52	69	-3	.2	-.9	.1	.2	18	24.9	107	94	49	0	0	3	0	
SD ABERDEEN	66	44	75	39	55	-7	.1	-.7	.1	.1	13	5.4	77	88	47	0	0	1	0	
HURON	67	42	77	37	55	-8	.1	-.7	.1	.1	13	5.1	71	97	48	0	0	2	0	
RAPID CITY	66	42	74	37	54	-7	.1	-.7	.1	.1	13	4.6	68	80	41	0	0	3	0	
TN CHATTANOOGA	80	57	86	49	69	-5	.8	0	.5	.8	100	24.3	96	88	42	0	0	4	0	
KNOXVILLE	78	55	84	46	66	-5	1.2	-.4	1.1	1.2	150	19.1	83	96	50	0	0	2	1	
MEMPHIS	81	63	84	57	72	-4	.6	-.4	.5	.6	60	27.6	105	88	44	0	0	2	1	
NASHVILLE	81	59	86	53	70	-3	2.0	1.1	1.6	2.0	222	28.4	119	83	42	0	0	3	1	
TX ABILENE	83	60	94	50	72	-5	1.2	-.5	.8	1.2	171	6.5	72	80	42	4	0	4	1	
AMARILLO	74	51	88	44	63	-8	.9	-.1	.3	.9	113	8.2	134	93	47	0	0	4	0	
AUSTIN	85	66	92	58	76	-3	1.6	-.7	1.4	1.6	178	17.9	122	88	52	3	0	3	1	
BEAUMONT	85	70	89	65	78	-1	.4	-.5	.4	.4	44	25.7	127	99	63	0	0	1	0	
BROWNSVILLE	89	72	93	66	81	-1	.9	-.3	.9	.9	150	5.8	77	91	56	5	0	1	1	
CORPUS CHRISTI	88	69	92	63	79	-2	0	-.8	0	0	0	9.9	97	97	57	3	0	0	0	
DEL RIO	92	69	97	61	80	-1	T	-.4	T	0	0	4.0	63	84	42	6	0	0	0	
EL PASO	92	58	96	52	75	-2	0	-.1	0	0	0	2.9	193	61	16	6	0	2	1	
FORT WORTH	80	61	91	53	71	-8	1.5	-.7	1.2	1.5	188	15.0	99	87	51	1	0	2	0	
GALVESTON	85	72	88	65	78	-1	0	-.8	0	0	0	12.4	86	93	74	0	0	0	0	
HOUSTON	88	68	93	62	78	0	.8	-.3	.4	.8	73	18.0	92	91	52	4	0	2	1	
LUBBOCK	82	52	94	43	67	-7	.9	-.2	.9	.9	129	6.5	107	94	36	1	0	2	1	
MIDLAND	87	57	99	47	72	-5	.3	-.2	.2	.3	60	2.4	49	92	27	4	0	2	0	
SAN ANGELO	87	59	101	52	73	-5	1.7	-.2	1.4	1.7	340	6.4	89	98	43	5	0	4	1	
SAN ANTONIO	87	68	93	60	77	-2	.1	-.7	.1	.1	13	11.2	97	85	47	5	0	1	0	
VICTORIA	89	68	93	61	79	-1	0	-1.1	0	0	0	11.7	87	91	49	4	0	0	0	
WACO	84	63	92	56	74	-5	2.0	1.1	1.5	2.0	222	12.1	77	89	55	3	0	3	1	
WICHITA FALLS	81	58	94	49	70	-7	.3	-.6	.2	.3	33	10.2	85	91	47	3	0	2	0	
UT BLANDING	77	49	80	48	63	1	0	-.1	0	0	0	5.8	149	70	25	0	0	0	0	
CEDAR CITY	77	46	87	44	62	0	.1	-.1	.1	.1	50	7.0	159	70	19	0	0	1	0	
SALT LAKE CITY	76	53	87	50	65	1	.5	-.2	.3	.5	167	11.1	141	83	40	0	0	5	0	
VT BURLINGTON	65	49	73	45	57	-4	.9	-.1	.4	.9	113	20.6	175	90	51	0	0	4	0	
VA NORFOLK	79	62	85	54	70	-1	.6	-.3	.3	.6	67	23.1	131	89	50	0	0	3	0	
RICHMOND	78	61	83	53	69	-1	.8	0	.6	.8	100	20.1	124	97	62	0	0	4	1	
ROANOKE	73	53	78	43	63	-5	.6	-.2	.4	.6	75	23.5	142	93	52	0	0	5	0	
WA COLVILLE	78	51	94	48	65	7	.5	-.1	.4	.5	125	12.5	156	77	40	1	0	4	0	
QUILLAYUTE	62	51	65	43	56	3	.4	-.5	.2	.4	44	54.7	110	98	64	0	0	4	0	
SEATTLE-TACOMA	65	54	83	50	59	2	.1	-.3	.1	.1	25	18.7	105	86	60	0	0	2	0	
SPOKANE	78	54	94	49	66	8	.1	-.2	.1	.1	33	8.1	95	70	29	1	0	2	0	
WV YAKIMA	85	53	101	44	69	8	0	-.1	0	0	0	6.4	188	61	25	2	0	0	0	
BECKLEY	67	49	70	39	58	-6	1.0	-.2	.6	1.0	125	11.9	63	98	56	0	0	4	1	
CHARLESTON	73	54	80	49	63	-5	1.6	-.9	1.0	1.6	229	18.3	102	93	48	0	0	4	1	
HUNTINGTON	72	53	77	45	63	-6	1.3	-.5	1.2	1.3	163	17.3	96	88	50	0	0	4	1	
PARKERSBURG	70	54	77	48	62	-5	1.1	-.1	.9	1.1	110	19.7	105	93	56	0	0	5	0	
WI GREEN BAY	61	44	71	39	53	-8	.6	-.1	.3	.6	86	10.4	103	94	60	0	0	4	1	
LA CROSSE	67	47	75	40	57	-8	.2	-.7	.2	.2	22	9.8	88	91	48	0	0	3	0	
MADISON	65	45	75	36	55	-8	.6	-.3	.4	.6	67	12.0	106	96	61	0	0	4	0	
MILWAUKEE	64	46	74	44	55	-5	.5	-.2	.3	.5	71	17.6	153	90	56	0	0	4	0	
WAUSAU	61	46	70	38	53	-7	.6	-.3	.3	.6	67	9.5	83	93	55	0	0	5	0	
WY CASPER	64	40	75	33	52	-6	.7	-.4	.4	.7	233	7.2	126	93	48	0	0	6	0	
CHEYENNE	59	41	67	34	50	-8	1.3	-.7	.5	1.3	217	10.4	186	98	57	0	0	4	1	
LANDER	67	44	74	34	56	-2	1.2	-.7	.9	1.2	240	10.0	135	80	42	0	0	4	1	
SHERIDAN	69	41	77	32	55	-2	.2	-.4	.1	.2	33	3.0	41	78	39	0	1	2	0	
PR SAN JUAN	90	77	92	74	84	3	.2	-1.0	.2	.2	17	14.7	80	87	60	6	0	1	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

May Weather and Crop Summary

WEATHER SUMMARY

HIGHLIGHTS: Heavy downpours fell from eastern Texas to the central Ohio Valley in the first and third week of the month. Downpours during the first week flooded large areas of farmlands in the upper Mississippi Delta and the Tennessee and Ohio Valleys. The floods became much more severe when the second storm produced local rainfall amounts in excess of 10 inches. Most of the Nation had adequate to surplus soil moisture at the end of the month, but some areas in the northern and southern Plains and in the Southeast were getting a little dry. Most of the Nation averaged cooler than normal for the month. The central and northern Plains and most of the Corn Belt averaged over 4° cooler than normal. Although the month averaged 4-6° cooler than normal over the central Plateau and central Rockies, the entire West was much warmer than normal during the last week of the month. The heavy snowpack in the mountains began melting rapidly, flooding streams and causing mudslides. Floodwaters spread over large areas of land. As the month ended, another cool airmass spread over the West, slowing the melt, but scattered showers kept floodwaters going.

FIRST WEEK...A slow-moving cold front covered the area from the northeastern United States to a low-pressure center in Kansas and southward into Texas as the month began. Showers and thunderstorms were frequent along and ahead of the front as it moved slowly off the east coast. Heavy downpours fell from northeastern Texas to the central Ohio Valley, and tornadoes were triggered in the warm air ahead of the front from Texas into New York. Much cooler air moved over the East after midweek. Light to moderate showers fell over the west coast and spread onto the Plateau and the central and northern Rockies. Cooler than normal weather covered nearly all of the West except for the coast.

SECOND WEEK...A cold outbreak early in the week carried freezing temperatures through the Great Lakes to the eastern Corn Belt and the central Appalachians. Another surge of cold air followed the outbreak, spreading over the Rockies and Plateau and then over much of the East. Freezing temperatures in the second outbreak were confined to the Rockies and northern Plains. Moderate to heavy showers and thunderstorms covered the central portion of the Nation, and local flooding caused problems in eastern Texas and Oklahoma and in the Arkansas Delta region. Only light showers fell in the lower Delta, the Southeast, and the east coast.

THIRD WEEK...Rain fell over all of the Nation except from southwestern Texas to southern California and northward over the West Coast States. Thunderstorms triggered tornadoes, hail, high winds, and heavy downpours from eastern Texas to central Kentucky. Rains up to 10 inches from central Louisiana to central Tennessee flooded rivers in the Tennessee Valley and the Mississippi Delta, spreading water over farmlands and parts of many towns. Moderate showers and thunderstorms fell in the central Rockies and Plains and from the upper Ohio Valley across West Virginia to the Atlantic coast. Average temperatures were colder than normal in most of the Nation--as much as 9-12° colder in the central Rockies and Plains.

FOURTH WEEK...Cool air from Canada moved into the North Central States early in the week and brought frost to the upper Mississippi Valley, Michigan, and parts of the central Appalachians. At the same time, very warm air moved over the Western States and finally began to spread into the northern Plains. The warm air began melting the unusually

heavy snowpack in the western mountains. Extensive flooding resulted from the heavy runoff. No rain fell in the western mountains, but showers and thunderstorms covered the East from the central and southern Plains and the upper Mississippi Valley to the Atlantic Ocean. Showers were light to moderate over the already flooded Mississippi Delta, making the wet conditions more severe. Heavy thunderstorms in the upper Tennessee Valley brought additional flooding.

Cooler air spread over the West during the last 3 days of the month, slowing the excessive runoff from melting snow, but light rainshowers began over the mountains keeping streams dangerously high.

MAY FIELDWORK

Persistent rainfall delayed fieldwork across the eastern half of the Nation during May. Planting fell behind schedule due to wet fields. However, rapid progress was made during brief dry periods. Torrential rains caused widespread flooding, destroying some crops and eroding fields from the Delta States northward into Kentucky. Heavy snow mid-month replenished soil moisture in the northwestern Plains. Cold, wet rains extending into the northern High Plains stressed livestock. Dry conditions across western regions, enabled growers to complete most field activities on schedule. Cool, May weather slowed germination and crop development in most regions.

At the beginning of May, corn planting was 9% complete, 9 percentage points less than average. By the end of the month, planting advanced to 80% finished, 6 points less than average. Progress was 40 points behind normal in Kentucky and 24 points behind in Michigan, rains delayed planting during most of May. Producers in Georgia and North Carolina had nearly completed planting at the end of the month. Fields in the South began silking.

Soybean planting in the 18 major producing States reached 33% completion by the end of May, lagging the average of 50%. Planting was behind in all States. Progress fell 40 points behind average in Michigan, 35 in Louisiana and 31 points behind in Tennessee. However, emerged plants were in fair to good condition.

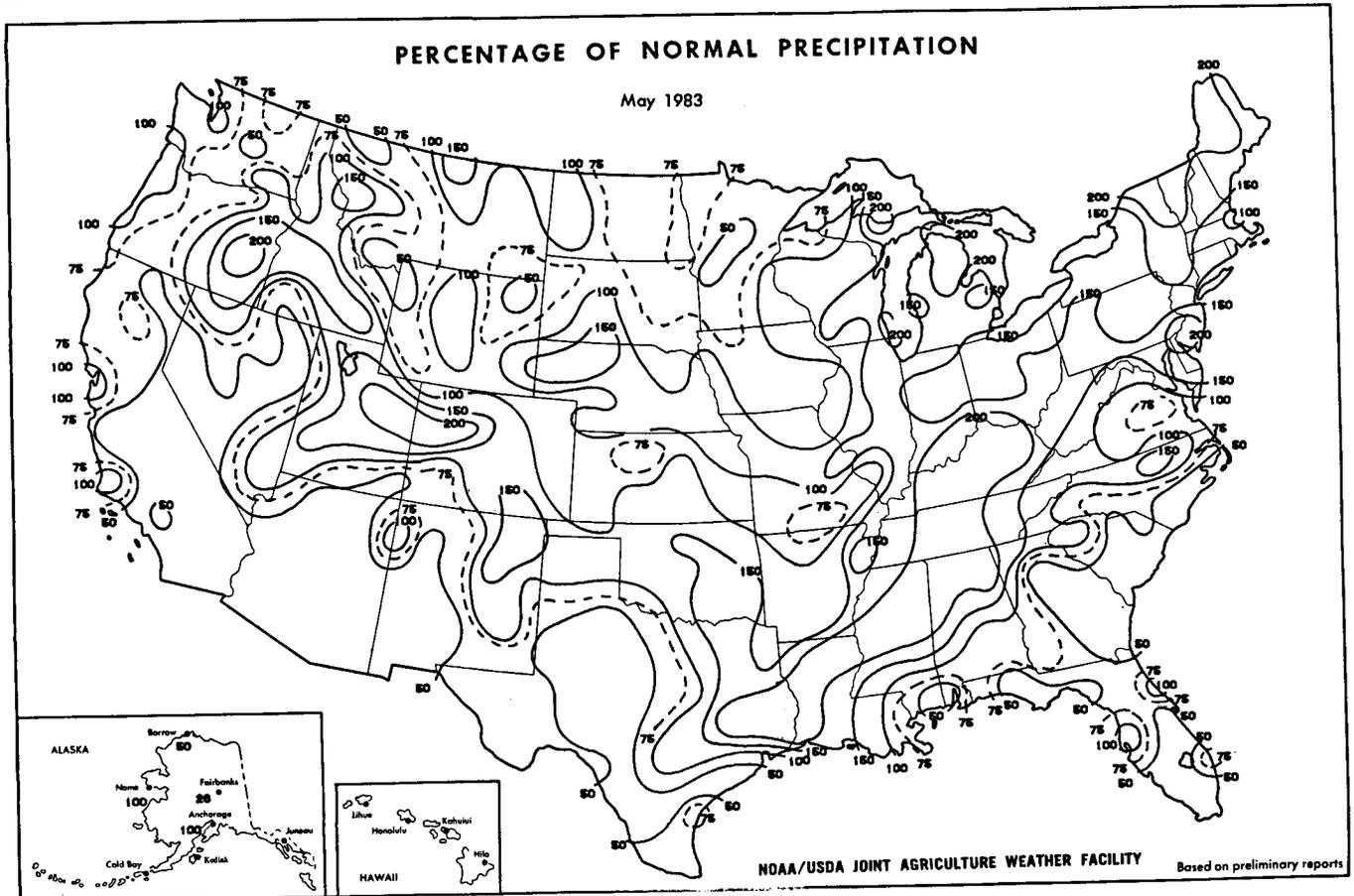
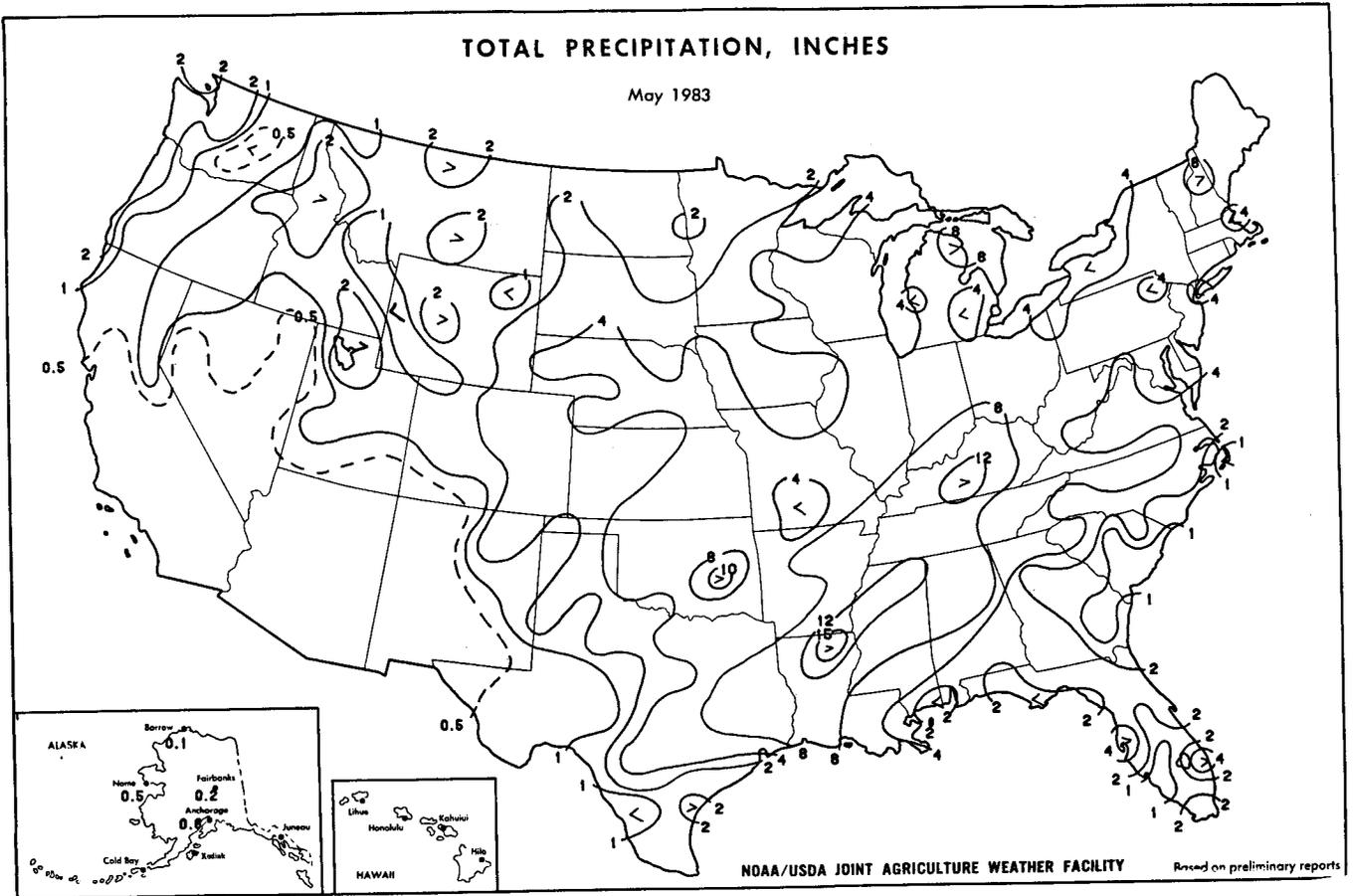
At the end of May sorghum planting was 45% finished in the 7 major States, behind the average progress of 55%. Rainy weather during the month delayed planting; progress fell 25 points behind average in Nebraska, 17 in Missouri and 15 points behind in both Kansas and South Dakota.

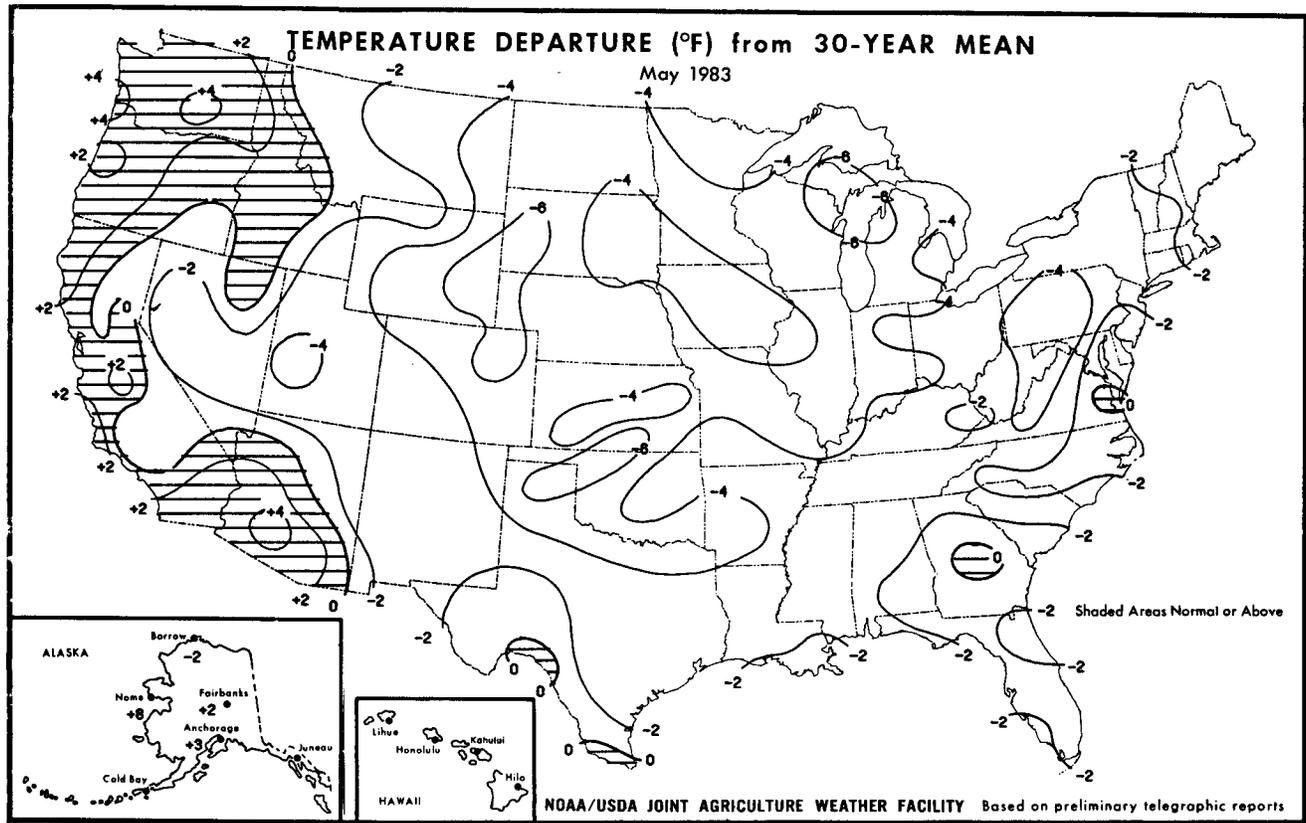
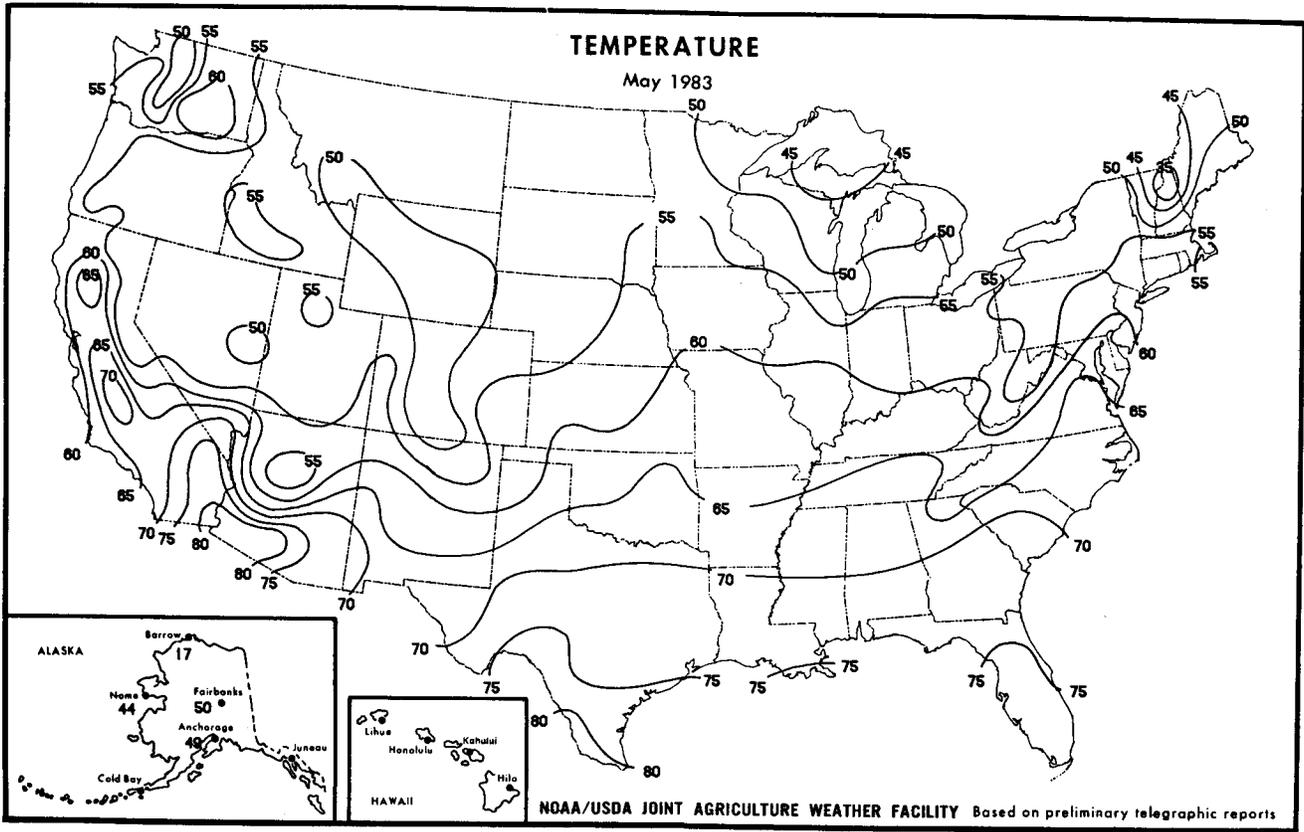
In the 14 major cotton producing States, 69% of the acreage had been planted as May ended. A year earlier 75% had been planted. Planting in Texas was only 54% completed. Planting was complete in California and Arizona. In southern areas, early-planted fields began squaring.

Cool weather slowed winter wheat development, however, stands were in fair to mostly good condition as May ended. Moisture greatly benefited the crop but weed and disease problems increased. In the 15 major producing States, 57% of the acreage was headed by the end of May. Stands were turning color across the South and harvesting was gaining momentum in extreme southern areas.

Spring wheat seeding got off to an early start, and advanced rapidly. Seeding in the 5 major producing States reached 96% completion as May

(continued on p. 7)





Temperature and Precipitation Data for May 1983

States and Stations				States and Stations				States and Stations						
Temperature OF		Precipitation Inches		Temperature OF		Precipitation Inches		Temperature OF		Precipitation Inches				
Average	Departure	Total	Departure	Average	Departure	Total	Departure	Average	Departure	Total	Departure			
AL BIRMINGHAM	68	- 2	8.9	4.4	LA BATON ROUGE	73	- 2	6.2	1.3	TOLEDO	55	- 4	4.0	1.1
MOBILE	72	- 3	1.5	- 4.0	LAKE CHARLES	73	- 2	10.2	5.1	YOUNGSTOWN	53	- 4	3.0	- 1.3
MONTGOMERY	71	- 1	3.2	- .8	NEW ORLEANS	74	- 1	3.7	- 1.4	OK OKLAHOMA CITY	65	- 3	6.9	1.4
AK ANCHORAGE	49	3	.6	.0	SHREVEPORT	70	- 3	8.2	3.5	TULSA	67	- 2	6.9	1.8
BARROW	17	- 2	.1	- .1	ME CARIBOU	49	- 1	5.3	2.4	OR ASTORIA	56	4	3.6	.8
FAIRBANKS	50	2	.2	-.4	PORTLAND	52	- 1	6.0	2.7	BURNS	52	0	1.5	.8
JUNEAU	---	---	---	---	MD BALTIMORE	62	- 1	5.5	2.1	MEDFORD	60	2	.8	-.4
KODIAK	---	---	---	---	MA BOSTON	58	- 1	3.0	-.5	PENDLETON	59	1	1.7	-.4
NOME	44	8	.5	.0	MI CHATHAM	52	- 1	5.0	1.3	PORTLAND	60	3	1.3	-.8
AZ FLAGSTAFF	50	0	.1	-.7	MI ALPENA	47	- 5	8.3	5.5	PA SALEM	57	2	2.1	-.1
PHOENIX	81	4	0	-.1	DETROIT	54	- 4	5.5	2.7	ALLENTOWN	58	- 2	4.2	-.6
TUCSON	75	2	T	-.1	GRAND RAPIDS	54	- 2	3.8	1.0	ERIE	55	0	3.9	.6
WINSLOW	61	- 1	.1	-.2	GRAND RAPIDS	53	- 5	4.6	1.6	HARRISBURG	58	- 4	5.4	1.7
YUMA	80	2	0	.0	Houghton Lake	49	- 6	6.0	3.4	PHILADELPHIA	62	- 1	7.0	3.8
AR FORT SMITH	66	- 4	5.3	.5	LANSING	52	- 5	4.0	1.4	PITTSBURGH	56	- 4	5.2	1.7
LITTLE ROCK	67	- 4	7.6	2.3	MARQUETTE	44	- 6	6.5	3.5	SCRANTON	56	- 3	3.3	-.1
CA BAKERSFIELD	69	- 2	T	-.2	MUSKOGON	51	- 5	3.3	.8	RI PROVIDENCE	57	- 1	4.7	1.2
EUREKA	55	3	1.1	-.5	SAULT STE. MARIE	45	- 5	4.7	1.8	SC CHARLESTON	72	0	.8	- 3.6
FRESNO	70	2	T	-.3	MN DULUTH	47	- 3	2.1	- 1.1	COLUMBIA	70	- 2	.7	- 3.2
LOS ANGELES	63	1	T	-.1	INT'L FALLS	49	- 2	1.2	- 1.2	GREENVILLE	66	- 2	5.8	1.6
RED BLUFF	68	0	.6	-.2	MINNEAPOLIS	55	- 4	6.1	2.9	SD ABERDEEN	54	- 3	1.7	-.9
SAN DIEGO	66	3	T	-.2	ROCHESTER	52	- 5	3.9	.5	HURON	54	- 3	1.4	- 1.3
SAN FRANCISCO	58	0	.3	-.0	SAINT CLOUD	52	- 4	2.4	-.9	RAPID CITY	52	- 4	2.2	-.4
STOCKTON	66	0	.2	-.1	MS JACKSON	71	- 2	9.4	4.6	SIoux FALLS	55	- 3	2.9	-.3
CO DENVER	51	- 6	3.6	1.1	MERIDIAN	70	- 2	7.9	3.7	TN CHATTANOOGA	66	- 2	6.7	2.7
GRAND JUNCTION	59	- 3	1.7	.9	MO COLUMBIA	60	- 4	5.0	.5	KNOXVILLE	65	- 2	5.4	1.7
PUEBLO	57	- 4	2.0	.5	KANSAS CITY	60	- 5	6.0	1.6	MEMPHIS	68	- 3	9.6	4.5
CT BRIDGEPORT	56	- 3	4.8	1.4	SAINT LOUIS	62	- 4	6.3	2.8	NASHVILLE	65	- 3	11.0	6.4
HARTFORD	57	- 2	4.8	1.4	SPRINGFIELD	62	- 3	3.8	-.5	ABILENE	71	- 2	1.4	- 1.9
DC WASHINGTON	65	- 1	4.6	1.1	MT BILLINGS	53	- 2	2.2	-.2	AMARILLO	60	- 6	2.9	.1
FL APALACHICOLA	72	- 3	.3	- 2.6	GLASGOW	52	- 3	1.6	-.2	AUSTIN	73	- 2	5.3	1.1
DAYTONA BEACH	73	- 3	3.9	.5	GREAT FALLS	51	- 2	1.3	- 1.2	BEAUMONT	73	- 3	11.4	6.9
FORT MYERS	76	- 2	.6	- 3.5	HAVRE	53	- 2	2.6	1.0	BROWNSVILLE	80	1	1.4	-.8
JACKSONVILLE	72	- 2	1.4	- 3.5	HELENA	51	- 1	1.8	-.1	CORPUS CHRISTI	76	- 2	2.8	-.3
KEY WEST	79	- 2	2.2	- 1.0	KALISPELL	51	- 1	.8	- 1.0	DEL RIO	78	0	1.2	-.8
MIAMI	78	- 1	1.4	- 5.1	MILES CITY	53	- 5	1.7	-.3	EL PASO	69	- 3	.1	-.1
ORLANDO	76	- 1	1.8	- 2.2	MISSOULA	52	0	2.6	1.0	FORT WORTH	70	- 4	5.8	1.5
TALLAHASSEE	73	- 1	3.4	- 1.8	NE GRAND ISLAND	57	- 4	4.6	-.9	GALVESTON	75	- 1	1.5	- 1.8
TAMPA	77	0	4.1	-.7	LINCOLN	58	- 4	5.0	1.2	HOUSTON	73	- 2	7.3	2.6
WEST PALM BEACH	78	0	5.3	-.7	NORFOLK	57	- 4	3.3	-.4	LUBBOCK	66	- 3	1.2	- 1.4
GA ATLANTA	68	- 1	1.4	- 2.6	NORTH PLATTE	54	- 4	3.2	-.5	MIDLAND	72	0	.5	- 1.6
AUGUSTA	71	0	1.9	- 1.8	OMAHA	58	- 4	4.8	-.5	SAN ANGELO	73	- 1	.5	- 2.0
MACON	73	0	1.4	- 2.4	VALENTINE	53	- 4	5.2	2.3	SAN ANTONIO	74	- 2	4.4	-.7
SAVANNAH	73	0	1.1	- 3.5	NV ELY	48	- 2	.4	-.7	SAN ANTONIO	75	- 2	1.8	- 2.7
HI HILO	---	---	---	---	LAS VEGAS	73	0	.2	.0	VICTORIA	72	- 2	3.8	-.9
HONOLULU	---	---	---	---	RENO	53	- 2	.2	-.5	WACO	68	- 4	3.2	- 1.1
KAHULUI	---	---	---	---	WINNEMUCCA	53	- 2	.8	.0	WICHITA FALLS	68	- 4	3.2	- 1.1
LIIHUE	---	---	---	---	NH CONCORD	53	- 2	5.2	2.3	UT BLANDING	55	- 2	.2	-.4
ID BOISE	57	0	1.9	.7	NJ ATLANTIC CITY	60	- 1	5.2	2.1	SALT LAKE CITY	56	- 3	2.6	1.1
LEWISTON	60	2	1.1	-.3	TRENTON	---	---	---	---	VT BURLINGTON	53	- 2	6.3	3.3
POCATELLO	52	- 2	2.0	.8	NM ALBUQUERQUE	63	- 1	.3	-.2	VA LYNCHBURG	62	- 3	2.8	-.9
IL CAIRO	53	- 6	6.3	3.1	ROSWELL	---	---	---	---	NORFOLK	66	0	3.5	-.3
CHICAGO	58	- 3	2.1	- 2.1	NY ALBANY	55	- 1	6.3	3.0	RICHMOND	66	0	2.5	- 1.1
MOLINE	59	- 3	6.7	2.9	BINGHAMTON	53	- 2	4.1	.9	ROANOKE	61	- 4	3.2	-.3
PEORIA	55	- 4	5.0	1.2	BUFFALO	54	- 2	3.3	.4	COLVILLE	57	2	.9	-.7
ROCKFORD	60	- 4	4.5	1.2	NEW YORK	59	- 3	3.8	.4	OMAK	59	2	.9	-.1
SPRINGFIELD	63	- 4	8.9	4.5	ROCHESTER	54	- 3	3.4	.8	QUILLAYUTE	53	2	3.8	-.9
IN EVANSVILLE	58	- 2	4.1	.6	SYRACUSE	54	- 3	3.4	.8	SEATTLE-TACOMA	58	3	2.1	.5
FORT WAYNE	58	- 5	4.7	1.0	GREENSBORO	64	- 3	4.1	.7	SPOKANE	57	3	.9	-.5
INDIANAPOLIS	55	- 4	4.8	2.0	NC ASHEVILLE	62	- 1	3.5	-.7	WALLA-WALLA	63	3	1.5	-.1
SOUTH BEND	---	---	---	---	CHARLOTTE	67	- 1	2.1	- 1.5	YAKIMA	61	4	.3	-.2
IA BURLINGTON	59	- 3	3.9	-.1	HUNTINGTON	67	- 1	.8	- 3.3	WV BECKLEY	58	- 2	4.0	.1
DES MOINES	55	- 3	6.4	1.7	MATTERAS	64	- 1	5.9	2.2	CHARLESTON	61	- 3	6.0	2.3
DUBUQUE	57	- 5	4.4	1.0	RALEIGH	66	- 1	1.1	- 3.1	HUNTINGTON	61	- 3	6.8	2.9
SIoux CITY	58	- 5	3.0	- 1.0	WILMINGTON	67	- 4	1.1	-.7	PARKERSBURG	---	---	---	---
KS CONCORDIA	61	- 3	3.5	.2	ND BISMARCK	51	- 4	1.5	-.7	WI GREEN BAY	49	- 6	4.8	1.7
DODGE CITY	55	- 4	2.4	-.5	FARGO	52	- 4	2.0	-.2	LA CROSSE	54	- 5	4.5	.9
GOODLAND	63	- 2	4.9	.9	WILLISTON	51	- 4	2.0	.1	MADISON	52	- 5	4.2	.9
TOPEKA	60	- 6	4.1	.2	OH AKRON-CANTON	57	- 2	4.5	.9	MILWAUKEE	50	- 5	5.8	3.1
WICHITA	61	- 3	10.8	6.6	CINCINNATI	59	- 4	8.9	5.1	CASPER	48	- 6	1.4	-.7
LEXINGTON	62	- 3	10.6	6.4	CLEVELAND	55	- 3	4.2	.9	CHEYENNE	47	- 5	2.3	-.1
LOUISVILLE	---	---	---	---	COLUMBUS	58	- 3	5.1	1.3	LANDER	49	- 4	3.0	.3
					DAYTON	57	- 5	4.4	.6	SHERIDAN	51	- 2	1.8	-.6
										PR SAN JUAN	83	3	3.9	- 1.7

Based on 1951-80 normals

National Agricultural Summary

May 30 to June 5

HIGHLIGHTS: Showers again delayed completion of Spring planting across most of the eastern half of the Nation. However, for the Nation as a whole, farmers maintained a rapid planting pace and moved closer to the planting averages. Cooler temperatures slowed the snowmelt in the higher elevations in the West, but showers caused further flooding and erosion of farmlands in Nevada and Utah. Soil moisture supplies were adequate to surplus in nearly all regions except in portions of the northern Plains, Texas, and the Southeast where supplies were short. Farmers had 3 - 6 days suitable for fieldwork. Winter wheat was in fair to mostly good condition; 75% of the acreage was headed. Spring wheat seeding was 99% finished; plants had emerged on 88% of the acreage. Corn planting advanced to 90% completion, 4 points behind average. Progress was still slower than normal in Kentucky, Michigan, Wisconsin, Pennsylvania, and Ohio. Soybean planting was 54% finished, lagging the average of 64%. Planting progressed rapidly across the Corn Belt. Sorghum planting advanced to 55% compared with an average of 67%. Cotton was 78% planted, 6 points behind last year's progress. Rice seeding was 89% complete. California growers planted 45% of the acreage during the week. Peanut planting was virtually finished. Peach harvesting gained momentum in the South. Pastures and livestock remained in fair to good condition.

SMALL GRAINS: Winter wheat continued in fair to mostly good condition; development was generally 1 week behind normal across the Great Plains. In the 15 major producing States, 75% of the acreage was headed, 7 points behind the average. Heading ranged from 1% completion in Montana to 100% completion in California. Harvesting gained momentum in the extreme South. Texas producers were 8% finished, trailing the 10% average; Georgia growers reached 27% completion, lagging the 39% average. Stands began turning color from the central Plains through the Corn Belt.

Spring wheat seeding in the five major producing States advanced to 99% completion, 4 points ahead of the average. Plants had emerged on 88% of the total intended acreage. Soil moisture was becoming short across portions of the northern Plains. However, the crop continued in mostly good condition.

CORN: Corn planting in the 17 major producing States advanced to 90% completion, 1 point ahead of a year earlier but 4 points behind the average. The eastern Corn Belt had a dry period at midweek which allowed growers to plant large acreages, but planting still trailed the normal. Dry weather prevailed over the western Corn Belt for most of the week and planting was generally on schedule. Georgia and North Carolina producers finished planting, while growers in Iowa and Nebraska neared completion. However, in the following States planting lagged the average by the indicated percentage points: Kentucky, 26; Michigan, 20; Wisconsin, 18; Pennsylvania, 11; and Ohio, 10. Emerged plants were in fair to good condition. Southern fields were silking later than normal due to previous cool, wet weather. The crop was 12% silked in Georgia compared with the 37% average.

SOYBEANS: In the 18 major producing States, 54% of the soybean acreage had been planted, behind 59% for the same date a year earlier and the average of 64%. Planting advanced rapidly across the Corn Belt. Growers in Nebraska planted 35% of the crop during the week, while Indiana producers seeded 30% of their acreage. Planting progress trailed

the average in all States except Iowa and Nebraska. Growers in portions of the Southeast slowed planting and were hoping for additional rainfall to relieve dry soil conditions. Emerged plants were in fair to good condition.

SORGHUM: Sorghum planting was 55% finished in the seven major producing States, ahead of last year's 47% but behind the average of 67%. Progress was 25 percentage points behind in Kansas, and 20 points behind in Oklahoma. Colorado again was the only State ahead of schedule for sorghum planting. Rains slowed planting from Kansas to Texas. Three percent of the crop was turning color in southern Texas, compared with the 9% average.

COTTON: Cotton planting in the 14 major producing States crept forward to 78% completion, behind last year's 84% and the average of 87%. Planting was complete in Arizona, California, Missouri, and South Carolina. Arkansas producers were nearly finished. Plants were in fair to good condition. Early-planted fields were squaring. Progress ranged from 6% squared in Texas to 30% squared in Arizona. Planting gained momentum in the Texas Plains where previous rains and cool weather delayed activities.

OTHER CROPS: Rice seeding in the five major producing States was 89% complete, compared with 96% for both last year and the average. California growers seeded 45% of the crop during the week, while Arkansas producers planted 14%. Progress was behind normal in all States except Texas where planting was complete. Rice had emerged on 74% of the acreage, lagging the average of 90% for this date. The crop continued in fair to good condition.

Peanut planting was virtually finished in the Southeast. Blooming of early-planted fields ranged up to 9% in Georgia; the crop started pegging in some areas.

Scattered showers frequently delayed hay harvesting and damaged some cut hay. Ample soil moisture promoted excellent hay growth in most regions.

FRUITS AND NUTS: Picking of early peach varieties moved northward into South Carolina. Picking in Georgia was 10% finished, trailing the 15% average for this date. Harvesting gained momentum in South Texas.

Beneficial rains improved the condition of Florida's citrus groves and abated droppage of most new crop fruit. Irrigation continued in some areas. Grapefruit harvesting slowed due to dwindling supplies. The Valencia orange harvest was active but is expected to slow in the near future.

Citrus harvesting was virtually complete in Texas. Pecan trees were setting nuts, and a good crop is expected if moisture supplies remain adequate.

California growers picked a wide variety of fruit. Navel and Valencia orange harvests continued active. Growers pulled Clingstone peach trees killed by excess water. Strawberry picking was very active for both fresh market and processing.

Fruit crops in orchards across the Northwest were generally in good condition. Strawberry picking was in full swing. Blueberries and caneberries were blooming.

(continued on back cover)

Topsoil moisture short to adequate at weeks beginning finishing mostly adequate. Subsoil adequate. Livestock good.

ARIZONA: Skies mostly clear. Scattered light showers fell eastern half State early week. Nogales, 0.25 in. for highest precipitation. Temperatures 2 below to 5° above normal.

Range, pasture condition generally good through May. Warm, windy conditions Desert ranges drying feed supplies, but still average to above average. Mid-elevation ranges produced above average amounts feed, recent warm temperatures drying out feed. Ranges higher elevations, good growth, still little short due cold, wet winter, spring. Light insect damage so far. Stock water supplies adequate. Cattle, sheep, lambs good condition. Cotton crop made average development, still one to two weeks behind normal. Cotton 100% planted, excluding replanting, stand established, fields squaring. Approximately 30% cotton reached squaring stage compared to none last year, average 22%. Squaring occurring Yuma, Maricopa Counties. Spraying armyworms, false cinch bugs southeastern counties. Wheat, barley harvest gaining momentum Maricopa, Pinal, Pima Counties, reached peak Yuma, Santa Cruz Counties. Barley harvest ahead wheat. Combining barley started Graham county, wheat turning color. Alfalfa haying progressed large scale Statewide, growers applying insecticides, herbicides as needed. Corn, sorghum made satisfactory progress, most fields establishing stands. Insecticides, herbicides applied as needed. Spring lettuce picking Willcox strong, peak expected June 10. Harvest dry onions, potatoes progressed satisfactorily at increasing rate. Cantaloups, watermelons picked Yuma, cantaloups picked Parker. Central area begin melon harvest third week June. Immature cantaloups, watermelons, honeydew melons sizing satisfactorily. Valencia orange harvest strong. Most activity Maricopa County, Yuma County wound down picking Valencia oranges. Movement grapefruit occurred steady rate. Plum harvest began limited scale, peach, apricot, nectarine harvest decreasing. Growers start picking grapes Yuma County this week.

ARKANSAS: Temperatures averaged 3 to 7° below normal. Highest was 93°, lowest 40°. Rainfall amounts were generally light, but ranged from a trace to 2.15 in.

One of best weeks for fieldwork this spring with 6.0 days favorable for fieldwork. Crop progress moderate. Soil moisture adequate. Cotton planting virtually finished, same as last year and average; emergence 87%, 98% 1982, 97% average. Cotton stands improved, but mostly fair to poor. Rice good to fair, planted 89%, 96% 1982, 93% average; emerged 70%, 87% 1982, 90% average. Soybeans good to fair condition, planted 28%, 44% 1982, 34% average; emerged 15%, 34% 1982, 31% average. Wheat harvest week away, harvested 12% 1982, 7% average. Oats good condition. Pastures and livestock good condition. Haying active.

CALIFORNIA: Two successive weeks with weekly mean temperatures well above normal, the weekly means cooled near normal. The southeastern Interior and more northern sections of the Cascade-Sierra were a bit warmer than normal; maxima in the nineties set in the mountain ranges, while the desert area went well over the century mark. An upper level disturbance crossed the State in the latter half of the week and produced showers over the Sierra Nevada and the Sacramento Valley.

Rice planting continued at accelerated pace with 80% planted, 90% last year, 97% average. Rice emerged 45%, 55% last year, and 78% average. Pest control active. Cotton crop improving with warm weather. Irrigation and

cultivation ongoing. Treating for mites and lygus active. Small grains showing good maturity with warm weather. Cutting oats for hay. Leveling irrigation ditches in wheat fields for harvest. Sugarbeet harvest continues in Sacramento Valley. Planting of dry beans, sugarbeets and field corn continues. Apricot, cherry, Coachella Valley table grape, nectarine, Freestone peach, plum, avocado, Navel and Valencia orange harvests active. Clingstone peach trees pulled - excess water. Leaf curl, shothole fungus problems. Artichokes seasonally light. Asparagus harvest decreasing. Broccoli, cauliflower harvests active Central Coast. Bushberry harvest started. Cantaloup harvest still fairly light Desert. Celery harvest active South Coast, increasing Central Coast. Sweet corn peak harvest Desert. Lettuce harvest active Central Coast. Grading dry market onions active Desert, increasing San Joaquin Valley. Harvest processing onions peaking Desert. Spring potato harvest increasing Kern District. Strawberry harvest very active. Sweetpotato planting past peak. Market tomato harvest active Desert, increasing South Coast. Processing tomato harvest started Desert. Planting late fields northern districts. Lower elevation range grasses dry with continued dry, warm weather. Movement livestock feedlots, summer ranges increasing. Higher elevation ranges good, excellent condition.

COLORADO: Cool wet weather across the State. Many storms early in week. A break in the cool, wet weather at midweek. Heaviest rainfall in east. Temperatures below normal Statewide with exception of Grain Valley in west. The greatest departure from normal in southeast with average temperatures 6 to 8° below normal.

Winter wheat in good to excellent condition; 90% jointed, about normal; 26% headed; 70% last year, 58% average. Corn in good condition; 93% planted, 95% last year, 93% average; 71% emerged, 77% last year, 81% average. Sorghum in good condition: 45% planted, 46% last year, 42% average. Barley, oats, and spring wheat in good to excellent condition. Barley seeding complete; 97% emerged; 9% headed, same as last year. Spring wheat seeding nearly complete. Oats 98% seeded, 92% last year, 94% average. Statewide 2.0 days suitable for fieldwork. Topsoil and subsoil moisture adequate. Range and pasture condition good.

FLORIDA: A weak front and upper air distribution caused widespread 1.00 to 2.00 in. rains, central, south Peninsula, 30th and 31st. Otherwise a normal early June scattering of afternoon and evening thundershowers Statewide with rainfall amounts mostly 0.50 to 1.00 in. Temperatures averaged near normal.

Soil moisture adequate western Panhandle, mostly short elsewhere. Corn, tobacco fair progress. Tobacco some disease problems, harvest just getting underway. Soybean planting active, early planted beans up to good stands. Haymaking very active. Wheat harvest full swing, yields better than expected. Sugarcane rapid growth. Pasture conditions fair Panhandle; most of Peninsula. Southern Peninsula good, rains beneficial. Cattle in fair to good condition Statewide. Citrus groves improved with needed rain; some irrigation continues. Most new crop fruit droppage abated. Some old crop Valencias softening from dry weather. Valencia harvest active but slowing. Grapefruit supplies running very low. Hot days, warm nights with mostly partly cloudy to cloudy skies prevailed in vegetable areas. Widespread rains occurred central, south Peninsula early week. Widely scattered afternoon, evening thunderstorms occurred remainder of week. Irrigation very active in drier location. Total shipments increased 7% from previous week. Harvest gained parsely, potatoes,

watermelons. Volume about steady carrots, sweet corn, cucumbers, eggplant, peppers, tomatoes. Shipments declined snap beans, cabbage, celery, Chinese cabbage, escarole, lettuce, okra, radishes, Southern peas, squash, strawberries. Watermelon harvest very active in south. Volume increasing as harvest picks up in central area.

GEORGIA: Cool north 28th and 29th and midweek, otherwise mild to warm. Warm south except cooler latter part of week. Spotty showers mainly first of week. Rainfall mainly north and central from 0.10 to near 0.75 in. none parts of south. Temperatures about 3° below normal except locally near normal in parts of south. Weekend of 4th and 5th temperatures near normal. Most areas received some rainfall from scattered showers. Amounts quite variable, but averaged near 0.25 in.

Soil moisture variable: 21% very short, 42% short, 36% adequate. Days suitable for fieldwork: 5.7. Farm activities: Planting, haying, and spraying. Corn silked 12%, 42% last year, 37% average; condition 7% poor, 54% fair, 36% good. Some insect damage from earworms. Cotton 96% planted, 95% last year and average; condition 10% poor, 44% fair, 44% good; squaring 9%, 17% last year, 26% average. Peanut planting 99% complete this year and average, 98% last year; condition 5% poor, 42% fair, 49% good; blooming 9%, 23% last year, 25% average. Thrip infestation. Soybean planting 52%, 58% last year, 65% average; condition 5% poor, 45% fair, 48% good. Dry soils slowing planting southern 2/3 of State. Grain sorghum 53% seeded, 58% last year, 56% average; condition 4% poor, 58% fair, 36% good. Wheat harvested 27%, 41% last year, 39% average; condition 4% very poor, 11% poor, 50% fair, 31% good, 4% excellent. Rye condition 5% very poor, 9% poor, 50% fair, 36% good. Other small grains rated 11% poor, 47% fair, 40% good. Peaches 10% picked, 23% last year, 15% average; condition 39% very poor, 13% poor, 31% fair, 15% good. Apple condition down slightly from last week. Pastures 8% poor, 40% fair, 47% good.

HAWAII: Weather remained favorable for crop growth throughout the Island Chain. Light, scattered showers fell over most of the Islands while irrigation was necessary in the drier regions. Temperatures were warmer which necessitated spray programs to control the increasing insect population. Supplies of head cabbage, Chinese cabbage, and head lettuce will remain moderate to heavy. Papaya supplies seasonally heavy.

IDAHO: The weather remained warm and dry. Temperatures ranged from 1° above normal at Malad to 15° above normal at Moscow. Most locations were 5 to 10° warmer than average. With the exception of stations in the Panhandle, all locations reported below normal rainfall. Porthill measured nearly 0.50 in. more than normal while Moscow was deficient by 0.75 in. Most areas received from 0.10 in. to 0.33 in. less than normal.

Favorable conditions prevailed once again as 6.8 days were suitable for fieldwork. Winter wheat development stood at 53% jointed not boot, 35% boot, and 6% headed, this compares to 35% jointed, 42% boot, and 5% headed last year. Spring wheat reached 22% joint and 3% boot versus 31% joint, 6% boot, and 1% headed for 1982. Potatoes planted reached 92% versus 98% last year and 89% average. Dry beans at 38% complete trailed 1982 by 18 points and average by 23 points. Sugarbeet thinning was 54% complete. First cutting alfalfa was 12% harvested. Ranges and pastures were dry but in good condition. Livestock were also in good shape.

ILLINOIS: Temperatures averaged 3 to 7° below normal. Precipitation was light north, moderate to heavy central and south.

Soil moisture 4% short, 47% adequate, 49% surplus. Days suitable for fieldwork: 4.0. Corn 92% planted, 1982 100%, average 99%; 83% of full stand; average height 4 in., height most advanced fields 8 in. both below 1982 and average; condition 39% good, 54% fair, 7% poor. Soybeans 67% planted, 1982 82%, average 74%. Sorghum 21% planted, 1982 65%, average 49%. Winter wheat 91% headed, 1982 98%, average 93%, 34% filled, 1982 80%, average 66%; less than 5% turning yellow, 1982 26%, average 19%; condition 8% excellent, 71% good, 21% fair. Oats 12% headed, 1982 32%, average 27%; condition 6% excellent, 52% good, 39% fair, 3% poor. Alfalfa hay first crop 28% cut, 1982 34%, average 43%; condition 7% excellent, 67% good, 26% fair. Clover hay 12% cut, 1982 33%, average 31%, condition 12% excellent, 76% good, 12% fair. Pasture condition 22% excellent, 65% good, 13% fair. Livestock condition mostly good.

INDIANA: Temperatures 4 to 8° subnormal. Precipitation from near 0.50 to over 3.00 in. Heaviest in southwest. The driest period midweek. Soil temperatures 3 to 8° subnormal. Growing degree days 30 to 50 subnormal.

Fieldwork averaged 4.1 days. Both topsoil and subsoil moisture mostly adequate to surplus. Spring cropland 95% tilled, 1982 100%. Corn 90% planted, 1982 100%, average 90%. Corn 65% emerged, 1982 98%, average 80%. Soybeans 60% planted, 1982 85%, average 70%. Soybeans 25% emerged, 1982 80%, average 50%. Wheat good condition. Wheat 75% headed, 1982 95%, average 90%. Wheat 15% in milk, 1982 35%. Wheat 26 in. tall, oats 10 in., 1982 13 in., average 11 in. Alfalfa hay 25% cut once, 1982 25%, average 45%. Clover hay 25% cut, 1982 15%, average 30%. Tobacco plants 20% set, 1982 25%, average 30%. Rye 95% headed, 1982 100%. Pastures good condition.

IOWA: A dry, cool week. Precipitation less than 0.25 in. over northern 2/3 of State. Temperatures averaged 5 to 8° below normal. Extremes: 35° at Anamosa and 87° at Shenandoah. Since May 1st growing degrees days, have averaged 80% of normal.

Days suitable: 4.7. Corn planted 98%, 81% last year, 95% normal. Corn emerged 80%, 67% last year, 86% normal. Soybeans planted 80%, 34% last year, 78% normal. Soybeans emerged 35%, 14% last year, 55% normal. First crop alfalfa hay harvested 8%, 8% last year, 24% normal. Topsoil moisture 8% short, 59% adequate, 33% surplus. Subsoil moisture 53% adequate, 47% surplus.

KANSAS: Precipitation averaged 0.20 in. north central, 0.65 in. northwest, west central, and central, 1.00 in. east and south. Temperatures averaged 60° northwest, 62 to 65° elsewhere--6 to 9° below normal. Local heavy rains east with as much as 5.50 in. at Wamego on 4th.

Wheat 85% headed, 98% last year, 95% average; 1% turning, 15% last year, 25% average. Wheat remains good to excellent Statewide. PIK wheat cut for hay and silage most areas, little grazing few areas. Corn 90% planted, 85% last year, 90% average. Sorghum 15% planted, 15% last year, 40% average. Soybeans 25% planted, 10% last year, 40% average. First cut alfalfa hay 40% complete, 30% last year, 75% average. Spraying for alfalfa weevil continues. Soil moisture adequate west and central, adequate to surplus east. Pasture and range continue good to excellent. Most cattle on native pasture. Only 3.5 days suitable for fieldwork.

KENTUCKY: Temperatures averaged near or above normal with daytime highs from upper 70's to mid 80's, nighttime lows from low 40's to low 50's. Mean temperatures mostly in 60's.

Precipitation readings from 0.50 to 3.00 in.

Days favorable for fieldwork: 4.1. Soil moisture 57% adequate, 43% surplus. Corn 64% planted, 98% last year, 90% average. Planted acreage emerged 40%. Poor to fair condition. Soybeans 11% planted, 58% last year, average 43%. Burley tobacco 20% set, 66% last year, average 49%. Mostly fair condition. Haying active. Pastures good to mostly excellent. Wheat for grain harvest few weeks away. Strawberry harvest underway.

LOUISIANA: Rainfall averaged 0.20 to 1.20 in. Temperatures averaged 1 to 4° below normal. High 95°, low 53°

Soil moisture adequate. Days suitable 5.5. Spring plowing 93%, 97% 1982. Corn silked 29%, 62% 1982, 41% average, condition fair. Cotton planted 86%, emerged 69%, condition poor. Rice planted 89%, emerged 86%, 94% 1982, condition fair. Sorghum planted 83%, 88% 1982, 72% average; emerged 81%, 83% 1982, 65% average, condition fair. Soybeans planted 40%, 68% 1982 and average; emerged 29%, 56% 1982, 55% average, condition fair. Sweetpotatoes planted 55%, 82% 1982, 80% average, condition fair. Sugarcane condition good. Wheat turning color 88%, 100% 1982; harvested 24%, 64% 1982, 55% average, condition fair. Hay first cutting 48%, 66% 1982. Vegetables rated fair. Pasture and livestock rated good. Peach harvest 2%, 16% 1982.

MARYLAND AND DELAWARE: Weather cool and wet. Temperature 3 to 7° below normal. Highs in low 70's in western Maryland, high 70's elsewhere. Low in the mid 40's to low 50's. Rainfall ranged from 0.22 in. to 1.98 in. Heaviest totals in eastern and southern counties. The 4th was rainy, highs in 70's, lows in 50's and 60's. Precipitation averaged 0.25 to 0.75 in. The 5th sunny, warm; high in low to mid 80's, lows in mid 60's.

Maryland: The weeks was cool and wet; 3.0 days suitable for fieldwork. Small grain development was about 1 week behind last year. Vegetable planting remained 1 to 2 weeks behind last year's pace. Field corn, 85% planted; last year 95%; average 90% planted. Soybeans, 25% planted, 55% last year; 50% average. Oats, 25% headed, none turning. Wheat, 95% headed; 100% last year, less than 5% turned, last year 15% turned. Barley 50% turned, last year 70% turned. Rye 30% turned; last year 35% turned. Tobacco planted 20%; 55% last year; 45% average. Alfalfa hay 55% cut 1983, and 1982, other hay 1st cutting 25% both this year and last. Topsoil moisture surplus through out the State. Subsoil moisture adequate in western Maryland, surplus elsewhere.

Delaware: Planting remained behind schedule. Slightly more than 1.0 days suitable for fieldwork. Corn acreage 90% planted; 100% last year, average 100%. Soybeans; 33% planted, 75% last year, 50% averaged. Wheat headed 90%; last year 100%. Wheat turned less than 5%, 25% turned last year. Barley 70% turned; 95% last year. Rye 10% turned; 15% last year. Vegetable planting about 1 week behind last year alfalfa hay 40% first cutting made, last year 60% cut. Other hay 15% first cutting; 50% last year.

MICHIGAN: Unspringlike conditions persist over the State. Temperatures averaged 10° below normal over the Lower Peninsula and 6° below normal over the Upper Peninsula. Moderate to heavy amounts of rainfall fell over the State. The heaviest amounts were in the north with almost

2.50 in. falling over the western half of the Upper Peninsula.

Rains continue to slow planting operations. Statewide 2.3 days suitable for fieldwork. Corn planting 75% complete, 98% last year, 95% average. Soybeans 25% planted, 80% last year, 76% average. Dry bean planting just underway, 20% last year, 25% average. Winter wheat headed 2%, 55% last year and 40% average. Cold wet weather continues to hurt fruit and vegetable crops.

MINNESOTA: Temperatures averaged 2 to 5° below normal. High was 78° and low was 33°. Precipitation averaged 0.25 in. above normal for east central and 0.40 to 0.70 in. below normal elsewhere. Highest total was 2.02 in.

Cool days and cold nights held back emergence and growths of row crops. Low temperatures have prevented drought damage to small grains in west central where little rain received this spring to date. Wet spots were drying up in southwest and south central. Showers in southeast made fieldwork difficult. Topsoil moisture: 9% very short, 18% short, 61% adequate, and 12% surplus. Average number of days suitable for fieldwork: 5.1. Planted: Spring wheat 99%, 1982 95%, normal 96%; oats 99%, 1982 98%, normal 98%; barley 99%, 1982 94%, normal 95%; field corn 94%, 1982 91%, normal 95%; soybeans 79%, 1982 65%, normal 83%; sunflowers 81%, 1982 69%, normal 83%; potatoes 86%, 1982 82%, normal 85%. Emerged: Spring wheat 91%, 1982 83%, normal 89%; oats 92%, 1982 93%, normal 93%; barley 87%, 1982 79%, normal 86%; field corn 64%, 1982 73%, normal 81%; soybeans 19%, 1982 31%, normal 54%. Jointing: Spring wheat 7%, 1982 11%, normal 15%; oats 7%, 1982 9%, normal 15%; barley 6%, 1982 10%, normal 14%.

MISSISSIPPI: Temperatures 1 to 9° below normal. Extremes 47 and 93°. Rainfall averaged 0.60 to 1.70 in. Heaviest central and coast.

Soil moisture adequate to surplus. Fieldwork 4.9 days suitable, 5.0 last year, 3.6 average. Soybeans 40% planted, 65% last year, 51% average; 20% to stand, 43% last year. Cotton 97% planted, 100% last year and average; 0% squaring, 7% last year, 5% average; condition poor to fair. Rice 91% planted, 99% last year, 98% average; 76% to stand, 90% last year, 94% average; condition fair. Corn 94% planted, 82% to stand; condition fair. Sorghum 62% planted, 74% last year, 63% average. Peanuts 60% planted, sweetpotatoes 47%. Winter wheat 30% ripe, 5% harvested; condition fair to good. Hay harvest 31%, 40% last year. Peach condition fair; pasture condition good to fair.

MISSOURI: Cool, wet weather continued as temperatures averaged 8° below normal, except in the Bootheel where the average was 5° below normal. Precipitation mostly fell on the week-ends, averaging about 1.00 in. across the State. Some flooding continued in the heavy rain areas.

Days suitable for fieldwork: 3.7. Corn 88% planted, 87% last year and 80% normal. Grain sorghum 47% planted, 57% last year and 54% normal. Soybeans 42% planted, 44% last year and 48% normal. Alfalfa hay, 1st cutting, 46% harvested, 38% last year and 53% normal. Cotton 100% planted, 100% last year and 100% normal. Winter wheat 85% headed, 94% last year and 88% normal; 16% turning color, 32% last year and 35% normal. Wheat 1% excellent, 28% good, 56% fair and 15% poor. Pasture condition 9% excellent, 76% good, 14% fair and 1% poor. Topsoil moisture supplies 55% surplus, 44% adequate and 1% short.

MONTANA: Warm west of Divide, mild through central sections, and cooler in extreme east. Temperatures 4° above normal west of Divide, 3° below through central areas and 5° below in extreme east. Light to moderate showers after midweek, with heaviest in mountains of west, southwest and south central. Dry over north central, northeast and southeast.

Topsoil moisture ranges short to adequate, mostly short northwest and southwest. Subsoil moisture short to adequate. Fieldwork, days suitable 6.3. Growth and condition winter wheat and spring crops good. About 25% winter wheat in boot stage, some heading southeast district. Spring wheat emerged 90%, 1982 55%, average 70%. Planting spring wheat, barley, oats, sugarbeets, potatoes essentially completed, corn 90% and dry beans 85%. About 75% cattle and sheep moved to summer ranges. Range growth slow, needs moisture.

NEBRASKA: Precipitation light with 0.20 in. in southeast and 0.10 in. elsewhere. Temperatures averaged 8° below normal.

Clear, dry conditions second consecutive week. Corn planted 99%, 70% last year and 99% normal; emerged 70%, 40% year ago and 90% normal. Sorghum 70% planted, 10% previous year and 80% normal; emergence 15%, 1% last year and 50% normal. Soybeans 80% planted, 15% last year and 80% normal; emerged 20%, 3% year ago and 55% normal. Winter wheat mostly good to fair; headed 40%, well behind 85% last year and 80% normal; winter wheat crop one full week behind normal development. First cutting of alfalfa 20%, 10% year ago but 40% normal. Topsoil moisture mostly adequate to short. Subsoil moisture mostly adequate to surplus. Days suitable for fieldwork: 6.7.

NEVADA: High pressure and generally sunny days dominated first part of week. Record and near record afternoon highs recorded all areas. By midweek a low pressure system brought cool and moist air producing scattered thundershowers all but extreme south.

Crop growth accelerated by above normal temperatures. Range grasses also longer than usual. Additional precipitation helped summer grazing prospects.

NEW ENGLAND: Temperatures averaged near normal in most areas, ranging from 81° in southern New England to 37° in north and central Maine. Over 2.00 in. of rain fell over Maine, Massachusetts, Rhode Island and Connecticut.

Crop progress 1 to 2 weeks behind schedule. An average of 4.0 days were suitable for fieldwork. Grazing availability was adequate. Main potatoes 55% planted; 100% last year, 95% normal. Corn for silage 60% planted, 45% emerged, compared with last year's 90% planted, 70% emerged. Tree fruit crops advanced to petal fall and beyond.

NEW JERSEY: Temperatures averaged 2° below normal. Extremes were 41° on 1st and 84° on 6th. Weekly rainfall averaged 1.08 in. north, 0.96 in. central and 0.74 in. south. The heaviest 24-hour total 1.14 in. on the 3rd to 4th. Estimated soil moisture, in percent of field capacity, averaged 97% north, 91% central and 90% south. Four in soil temperatures averaged 63° north, 68° central and 69° south.

Fieldwork: 3.4 days suitable. Main field activities: Planting of spring crops, harvesting vegetables and hay, pesticide spraying and some replanting. Cool, wet weather continues to hinder crop development.

NEW MEXICO: Average temperatures 5 to 8° below normal, eastern side. Near, slightly below normal west. Scattered showers over mountains,

eastern plains. Minimum temperature: 27°, northern and western mountains. Maximum temperature: 96°, southeastern plains and southern desert.

Cotton planting, 92%, last year 95%, average 99%. No squaring yet. Alfalfa 100% first cut in south, 50% on east side. Irrigated wheat good to excellent, turning color. Dryland wheat and barley good condition. Grain sorghum 80% planted. Corn 95 to 100% planted. Both emerged crops good condition. Lettuce harvest nearing completion in Mesilla Valley. Onion harvest continuing. Peanuts 80% planted. Cattle, sheep good condition. Ranges fair to good, good summer prospects.

NEW YORK: Rainfall mostly above normal, especially in east, but near normal in central areas. Temperatures normal to cool. Corn 63% planted, 84% 1982, 77% average. Oats 80% planted, 96% 1982, 95% average. Wheat condition variable. Hay crops harvesting underway. Dry bean planting beginning. Vegetable planting continues, but wet fields still a problem. Cool temperatures have slowed growth of most grain, hay, and vegetable crops by now, with high moisture an additional drag in many areas. Good set on western pears and most apple varieties. Orchard spraying major activity.

NORTH CAROLINA: Temperature 2 to 3° below normal Statewide. Precipitation widespread.

Soil moisture: 2% very short, 23% short, 62% adequate, 13% surplus. Days suitable for fieldwork: 5.8. Condition: Small grains fair to mostly good. Tobacco plant beds: 14% poor, 59% fair, 27% good. Irish potatoes: 38% fair, and 62% good. Peaches: 64% poor, 29% fair, 7% good. Tobacco in fields: 43% fair, 54% good, and 3% excellent. Pasture: 19% fair, 77% good, and 4% excellent. Truck crops: 41% fair, and 59% good. Corn: 28% fair, 69% good, and 3% excellent. Cotton: 8% poor, 54% fair, and 38% good. Planting progress: Flue-cured tobacco 97%, 100% 1982, 100% average. Corn 100%, 100% 1982, 100% average. Sorghum 58%, 74% 1982, 60% average. Burley tobacco 47%, 73% 1982, 62% average. Peanuts 99%, 100% 1982, 100% average. Cotton 98%, 100% 1982, 100% average. Soybeans 57%, 60% 1982, 58% average. Major farm activities: Transplanting and resetting tobacco, planting soybeans, corn, sweetpotatoes and sorghum. Cultivating and fertilizing tobacco, spraying vegetables.

NORTH DAKOTA: Dry and cool weather continued. Temperatures averaged 2 to 6° below normal. Some areas reported freezing lows. Extremes from 81° northeast on 1st to 29° southeast on 31st. Precipitation averaged 0.50 to 0.75 in. below normal. Most areas received less than 0.20 in. Largest total was 0.68 in. southeast.

Good planting progress made. Small grains virtually done. Row crops about one week from completion. Both ahead of average. Average of 6.7 days suitable for fieldwork. Percent planted with last year and average: Hard red spring wheat 99, 93, 94; durum 99, 94, 91; barley 99, 96, 93; oats 99, 93, 92; flax 86, 67, 63; sunflower 81, 62, 68; corn 90, 70, 74; soybeans 95, 94, 83; potatoes 95, 92, 90; and dry beans 89, 79, 85. Warmer weather needed for development of fall sown grains as well as late seeded small grains and row crops. Crops mostly good to very good condition with weed control the major activity. Topsoil moisture slipped below normal. Statewide, 2% very short and 43% short. Average is 23% very short or short.

OHIO: Average temperatures 5 to 9° below normal. Growing degree day accumulations 30 to 40 below normal. Soil temperatures average 60°. Precipitation below normal; most areas totaled under 0.50 in.

Emerged corn yellow, growing slowly. Corn and soybeans planted in wet fields. Weeds and insect causing problems. Corn planted 80%, 100% 1982, 90% average. Soybeans planted 50%, 98% 1982, 70% average. Wheat headed or beyond 60%, 90% 1982, 65% average. Oats headed 5%, 5% 1982, 5% average. Alfalfa hay 1st cut 25%, 35% 1982, 30% average. Other hay 1st cut 15%, 20% 1982, 15% average. Potatoes planted 90%, 100% 1982, 90% average. Days favorable: 3.5. Pasture condition good. Soil moisture 40% adequate, 60% surplus.

OKLAHOMA: Average temperatures ranged from 9° below normal in Panhandle and south central regions to 5° below normal in the east central region. Precipitation ranged from 0.33 in. in the southwest and south central regions to 2.20 in. in the east central region. Rains continued to hamper planting of cotton and grain sorghum and harvesting of alfalfa hay. Wheat headed: 98%; 100%, 1982; 100%, average. Sorghum planted: 35%; 40%, 1982; 56%, average. Cotton planted: 20%; 30%, 1982; 50%, average. Cotton squaring: 0%; 0%, 1982; 0%, average.

OREGON: New record highs memorial day weekend. Cooler temperatures rest of week. Rain began to fall after weekend ranging from 0.02 in. at northern stations to 1.20 in. At southern stations. End of week was dry except northern coast.

Effects of high temperatures evident in eastern wheat fields; helped septoria problems in western fields. Winter wheat 78% headed; 76% last year; 86% average. Barley turning fast in response to hot weather. Haying full swing. Orchard fruit crops look good except for prunes. Strawberry harvest well underway; some spot picker shortages. Blackberries blooming, as well as cranberries. Filberts appear light. Vegetable plantings on schedule. Irrigation on all crops. Most potatoes planted. Some hillside pastures drying out. Most ranges and pastures in good shape. Livestock condition good.

PENNSYLVANIA: Frontal and convective activity during the week produced another cold and wet period. Temperatures were warm the first and latter parts but cool during midweek. The State average was 59° which was 5° below the normal of 64°. Temperature extremes were 80 and 34°. Precipitation ranged from 0.50 in. in the upper Susquehanna Valley to over 1.50 in. in the northeast and west central counties.

Days suitable: 4.0. Moisture, surplus to adequate. Activities: Plowing; spraying, hay making for haylage; planting corn, soybeans, potatoes; and harvesting green peas and strawberries. Plowing 90% complete, last year and average virtually complete. Tobacco transplanting 24% complete, last year 68% complete. Soybeans 41% planted, last year 65%. Corn 79% planted, last year 92%, average 90%. Barley 73% headed and 22% turning yellow, last year 86% headed and 65% turning yellow. Wheat 63% headed, same as last year. First cut alfalfa 19% complete, last year 16% complete. First cut clo-tim 9% complete, last year less than 5% cut. Quality of hay made fair to good. Feed from pastures mostly average.

PUERTO RICO: Island average rainfall 0.30 in. or 1.47 in. below normal. Highest weekly total 1.63 in. Highest 24-hour total 1.38 in. Temperature averaged about 83 to 81° on Coasts and 78 to 76° Interior Divisions. Mean station temperature ranged from 85.6 to 69.3°. Extremes 95 and 59°.

SOUTH CAROLINA: Below normal temperatures first half of week, normal rest of week. Scattered showers 1st, 4th and 5th.

Days available for fieldwork: 5.9. Corn condition fair to good. Cotton condition fair. Some soybean growers waiting for rain; planted 48%, 59% last year, 64% average; condition fair to good. Tobacco condition fair. Wheat 29% ripe, 74% last year, 79% average; harvesting 3%, 17% last year, 16% average. Peaches, apples poor to fair condition. Cucumbers and melons condition fair. Tomatoes condition fair to good. Snap beans condition good.

SOUTH DAKOTA: Average temperatures 2 to 9° below normal. Extremes: 25° and 82°. Rainfall widespread and light.

Days suitable for fieldwork: 6.0. Topsoil moisture supplies mostly short, becoming critically short in northeast and southwest. Dry weather allowed good planting progress; however, cool temperatures and lack of rain have slowed crop and pasture development. Winter wheat in mostly good condition. Spring wheat emerged 96%, 1982 100%, average 100%. Corn planted 88%, 1982 67%, average 93%. Sorghum planted 51%, 1982 16%, average 57%. Winter wheat 71% boot, 1982 72%, average 83%. Winter wheat 25% headed, 1982 34%, average 51%.

TENNESSEE: Precipitation was scattered throughout the week and in all sections. Greatest amount was 2.36 in. at Nashville. Temperatures were closer to normal than in previous weeks. High 86° at Nashville and Chattanooga, low 43° at Bristol.

Soil moisture: 77% adequate, 23% surplus. Days suitable for fieldwork: 4.2. Corn planted 77%, 1982 95%, average 92%. Cotton planted 89%, 1982 100%, average 99%. Soybeans planted 14%, 1982 49%, average 49%. Tobacco set 50%, 1982 80%, average 75%. Tobacco condition: fair. Wheat turning 33%, 1982 81%, average 85%. Wheat ripe 2%, 1982 11%, average 18%. Wheat condition: fair. Alfalfa hay cut 68%, 1982 98%, average 85%. Pastures good condition. Livestock good.

TEXAS: Cold front became quasi-stationary over central portion of State most of week. Scattered showers, thunderstorms developed. Temperatures below normal over all but South Texas. Precipitation below normal all but Trans-Pecos north central portions.

Much of State received scattered showers, cool temperatures. Planting, harvesting activities met some delays. Hail, heavy winds below across portions of Plains, North Texas, causing some damage to small grains, emerging field crops. Cotton planting continued. Activity centered around Plains where rain, cool temperatures have delayed planting. Cross Timbers, Blacklands, Central, South Texas, rains helpful, good growth continues. Coastal Bend weevils, fleahoppers present. Sorghum planting made steady progress despite minor weather delays. Stands remain in good condition. Greenbugs, aphid reported Blacklands, portions of Cross Timbers. Fields in Central, South Texas got some relief from drying conditions. Corn making good progress. Growth aided by rainfall, with warmer temperatures development should proceed rapid. Yield expectations remain high. Small grain harvest met some delays. Harvest progressed into Low Plains where development has lagged behind previous years. Hail, high winds caused some damage High Plains. Other areas harvest active. Reported wheat condition 82% of normal compared with 69% a year ago. By week's end 17% excellent; 51% good; 28% fair; and 4% poor. Peanut planting met delays due to wet fields. Preplant activities nearing completion. Rice continues to progress slowly. Warmer temperatures needed to aid development.

Cotton planted 67%, 1982 74%, 80% average; cotton squaring 6%, 1982 12%, 14% average; cotton setting bolls 2%, 4% 1982, 7% average. Rice emerged 100%, 96% 1982, 97% average.

Sorghum planted all purposes 80%, 82% 1982, 86% average; sorghum head 23%, 37% 1982, 34% average; sorghum turning color 3%, 7% 1982, 9% average. Wheat headed 98%, 98% 1982, 99% average; wheat turning color 55%, 65% 1982, 68% average; wheat harvested for grain 8%, 12% 1982, 10% average. Oats harvested for grain 28%, 17% 1982, 31% average. Peanuts planted 30%, 24% 1982, 39% average. Soybeans planted 45%, 23% 1982, 37% average. Sunflowers planted 61%, 27% 1982, 34% average.

Commercial Vegetables: Rio Grande Valley, harvest of watermelons continued, good volumes being shipped. Movement of cabbage, peppers, tomatoes good. Citrus harvest virtually complete. Coastal Bend, spraying for insects active. Cucumbers, tomatoes making improved growth. San Antonio-Winter Garden, onion harvest steady, rain caused some delays. Rains helpful in reducing irrigation needs. Trans-Pecos region, onion harvest active. Tomatoes making good growth, some thinning necessary. Cantaloups developing slowly. Plains, onions, potatoes progressing well. Some hail damage reported, not expected to be extensive. Peaches continue to progress well. Fruit size affected by dry conditions South Texas. Harvest continued to gain momentum. Pecan trees setting nuts. Good crop expected if moisture supplies remain adequate. Spraying for casebearers active.

Range and livestock: Range, pasture condition continued to show improvement, rains, mild temperatures stimulated growth. Grazing improved most areas, some supplemental feeding continues far West Texas, South Texas. Livestock condition good to excellent.

UTAH: Recurring periods precipitation. Accumulated amounts variable ranging from little or none to well over 1.00 in. Average temperatures generally much above normal ranging from 1° below to 8° above. Severe damage from snow melt. Flooding many agricultural areas.

Spring flood losses record high. Water receding in some areas, but still rising elsewhere. Planting and crop development running well behind normal. Some small grains will not be planted this season. Corn 61% planted, normal 85%. Harvest of first crop alfalfa just beginning. Fields generally weedy and yields below normal. Winter grains beginning to head in warmer areas. Some stands were reduced by snow mold. Fruit crop rated fair to good. Crop size won't be certain until after June drop.

VIRGINIA: Temperatures averaged 4 to 8° below normal. Lowest reading was 40's in the west and highest reading was mid 80's central and east. Below normal rainfall in mid period brought 1.00 to 1.50 in. total for the week -- mainly central and eastern sections.

Cool, wet weather continued to hold plant growth back but planting progress was holding steady, just behind normal. Topsoil moisture was 2% short, 80% adequate, 18% surplus. Days suitable for fieldwork averaged 4.0. Corn rated in good condition with 92% seeded, 95% last year, 94% average. Some wet fields may not be planted. Soybeans rated in good condition with 37% seeded, 50% last year, 42% average. Peanuts rated excellent. Seeding virtually complete, the same as last year and average. Tobacco rated fair to good. Setting progress nearly normal, less than a week behind last year. Hay yields and quality variable.

WASHINGTON: The week began with a hot and dry off-shore flow, but high pressure over the eastern Pacific began to change the flow pattern

on the 29th and by the 31st the State was under the influence of cooler marine air. Afternoon maximum temperatures dropped by 15 to 20° over western counties on the 30th; the cooling was from 10 to 15° east of the Cascades on the 30th.

Wheat and barley in average or above average condition. Some stress reported on shallow soils from high temperatures. Alfalfa hay harvest continued. Applying fruit cover sprays continued. U-pick strawberry harvest underway. Raspberries past bloom period. Vegetable planting winding down. Harvest of early truck crops continued. Green chopping on westside. East of Cascades hot, dry winds caused some stress to ranges. Winter wheat headed 87%, last year 32%, average 48%.

WEST VIRGINIA: Temperatures averaged 3 to 6° below normal across State. Low 32°, high 80°. Precipitation averaged well above normal except in northeast. Range: 0.09-2.33 in.

Soil moisture surplus to adequate. Days suitable for fieldwork averaged 2.8. Main activities hay harvesting, corn planting, and gardening. Wheat: good to fair condition; 14% pre-jointed, 39% jointed, 47% heading; 7%, 26%, and 67% in 1982. Barley: fair to good condition; 3% pre-jointed, 30% jointed, and 67% heading; 4%, 22%, and 74% in 1982. Oats: fair to good condition; 97% planted, 91% emerged; 99% and 95% in 1982. Corn: fair to poor condition; 75% planted, 61% emerged: 85% and 85% in 1982. Tobacco: fair to poor condition: 100% planted, 90% emerged, 27% set; 100%, 97%, and 35% in 1982. Hay: fair to good condition; first cutting 8% completed, 10% in 1982. Pastures in good to fair condition. Peaches in poor to fair condition. Apples in fair to poor condition. Gardens in fair to poor condition. Cool, damp weather continues to hamper farm activities.

WISCONSIN: Quite cool in the beginning of the week, with highs only in the upper 40's and 50's on 30th. Temperatures climbed into the 70's at many locations midweek, then dropped off a bit by 5th. The temperature extremes ranged from a high of 79° at Spooner on 2nd to a low of 31° at Grandmother Falls. Rain or showers were reported somewhere in the State everyday of the week with scattered thunderstorms in the north on late 2nd and 3rd. Rice late reported 3.30 in. of rain within 48 hours on the 2nd and 3rd. One to 1.50 in. were reported at some other locations in the north during this same period. Weekly precipitation totals were generally under 1.00 in. elsewhere over the State.

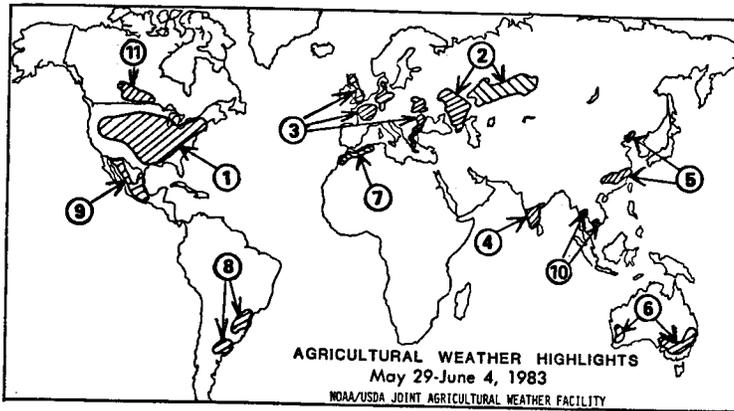
Days suitable for fieldwork: 2.0. Soil moisture 2% short, 38% adequate, 60% surplus.

WYOMING: Temperatures below normal most of State. Maximum reading upper 60's to mid-80's. Minimum temperatures mid-20's to mid-30's. South and east central precipitation above normal. Rest of State below normal.

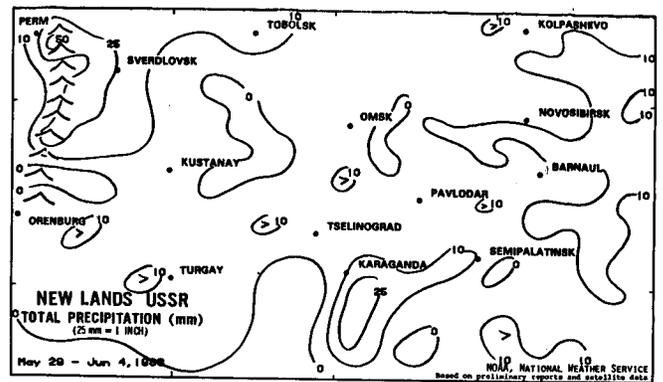
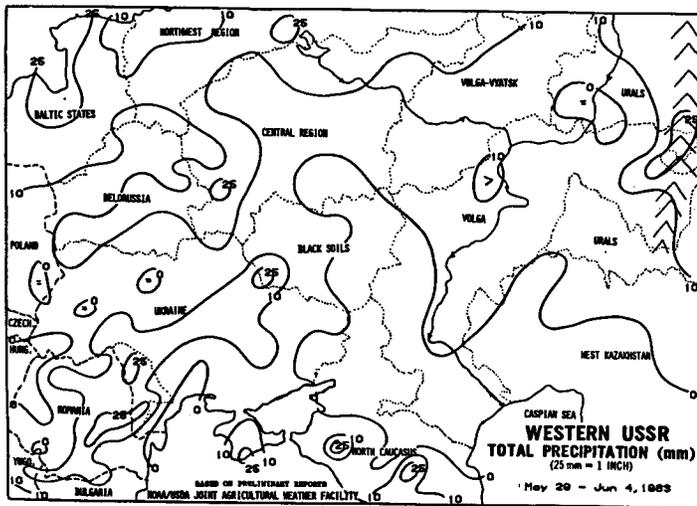
Topsoil moisture adequate 94% State. Days suitable for field work 5.0. Spring wheat: Planted most, emerged 75%. Sugar beets: Planted 90%, emerged 70%. Barley: Planted 90%, emerged 75%. Oats: Planted 90%, emerged 70%. Corn: Planted 85%, emerged 55%. Potatoes: Planted 70%, emerged 25%. Dry beans: Planted 40%. Winter wheat mostly good condition. Livestock mostly good condition. Calf, lamb losses light to normal. Ranges, pastures mostly good, cool weather has slowed growth. Livestock moved to summer pastures: Cattle, calves 35%; sheep, lambs 30%.

International Weather and Crop Summary

May 29 to June 4

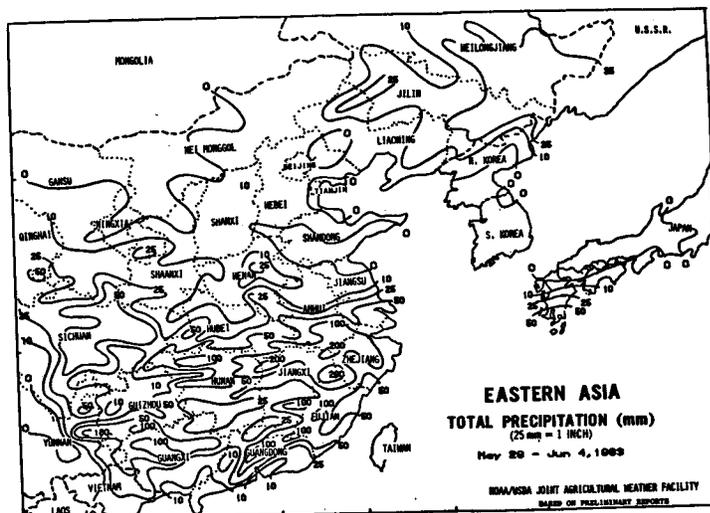
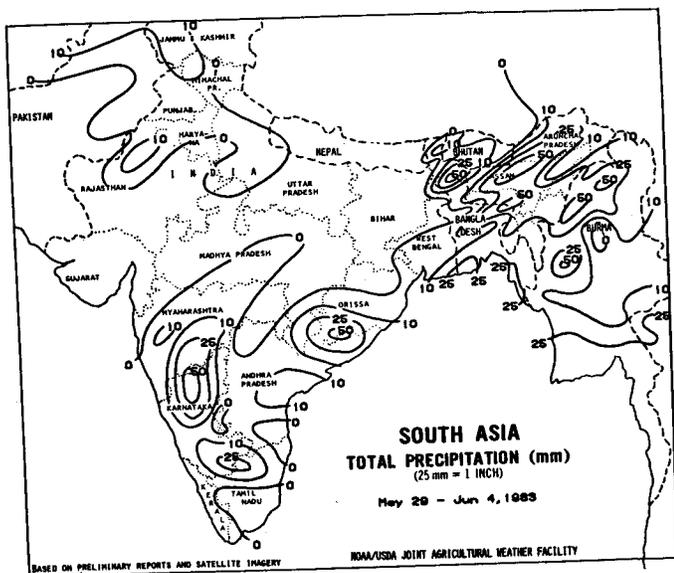


1. UNITED STATES ... Cool temperatures from the eastern Plains to the Corn Belt slow crop development. Wetness from the central and southern Plains into the Northeast hinders fieldwork. Showers coupled with snowmelt continue localized flooding of western Plateau and mountains.
2. USSR ... Dry weather over much of the Ukraine has minimal impact in the west but stresses winter wheat in the heading stage in the east as well as the Black Soils, Volga Valley, and North Caucasus. Drier weather aids spring wheat planting in the New Lands.
3. EUROPE ... Showers continue to delay seeding in England. Dry weather on some days allows fieldwork in France and West Germany. Showers benefit some crop areas in the southeast and relieves persistent dryness in Greece.
4. SOUTH ASIA ... Moderate premonsoon showers continue in peninsular India. Summer crop planting will begin with the arrival of the monsoon.
5. EASTERN ASIA ... Extremely heavy rains along the Yangtze Valley likely cause flood damage to rice and cotton. Dry weather continues in northern China, becoming unfavorably dry for emerging crops in the Manchurian Plain.
6. AUSTRALIA ... Favorable weather aids wheat planting in the south, improves planting conditions in the west, and alleviates flooding in the east.
7. NORTHWESTERN AFRICA ... Dry weather benefits maturing winter grains and aids the harvest.
8. SOUTH AMERICA ... Unseasonably cold weather pushes into Argentina and southern Brazil but remains south of the coffee belt. Heavy rain interferes with the coffee harvest. Showers in Argentina slow soybean harvest and wheat planting.
9. MEXICO ... Light rains over eastern two-thirds of the country relieve some moisture stress on crops and livestock.
10. SOUTHEAST ASIA ... Monsoon activity decreases over most of the area, but major rice areas still benefit from moderate rains.
11. CANADA ... The weather favors rapid crop planting in the Prairies with many crop areas almost fully grown. Rain needed for newly emerging crops in some western areas.



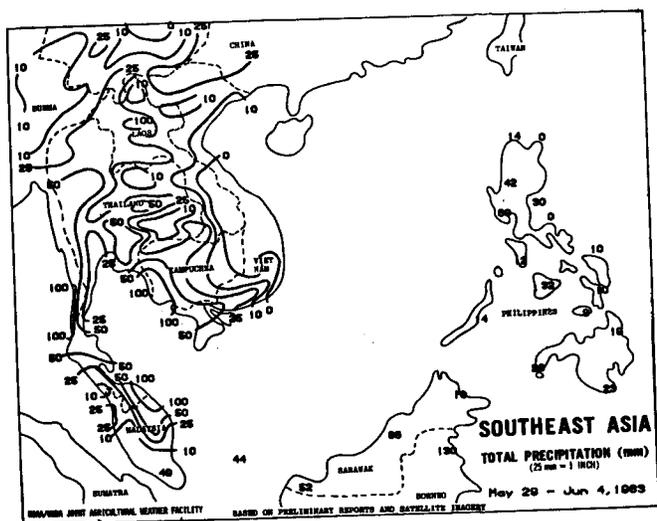
USSR... Showers continued to benefit crops over most of the Baltic States, Belorussia, the Central Region, and the central Ukraine. The dry weather which covered winter and summer crop areas in the western Ukraine and the Volga Vyatsk region had minimal impact because plants were able to rely on plentiful soil moisture supplies for continued growth. However, the dry weather in the eastern Ukraine, Black Soils, southern Volga Valley, and the North Caucasus continued the pattern of the last several weeks, stressing winter grains in the moisture sensitive heading stage and summer crops in the vegetative stage. Rain is needed soon in these areas to maintain winter grain yield prospects. Temperatures, although cooler, remained above normal over the entire region.

In the New Lands, showers covered spring wheat in the western half of the Urals, and over the eastern portion of the region. The rains which fell on central Kazakhstan, from Turgay eastward through Karaganda, fell outside of the principal grain area. Relatively dry weather covered spring grain areas of northern Kazakhstan, allowing spring sowing to progress with few delays. Weekly temperatures continued 2-4°C below normal over many areas. In south-central USSR, showers fell on cotton areas of eastern Uzbekistan, western Tadzikistan, and western Kirgizia. Showers may have been locally heavy in higher elevations but overall, the moisture benefited emergence and early plant growth.

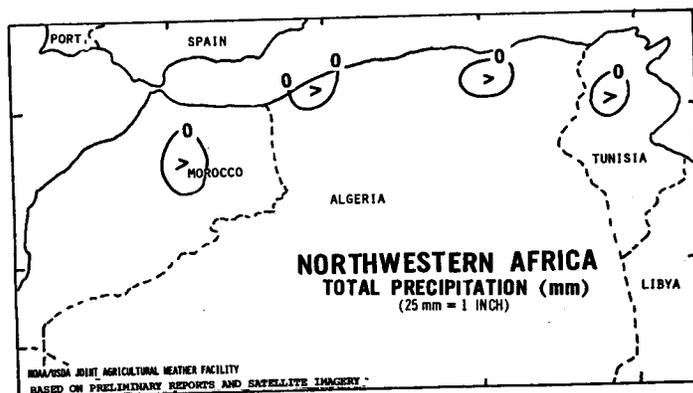


SOUTH ASIA...A weak tropical disturbance in the Bay of Bengal moved over Bangladesh and northeastern India, bringing beneficial rain to summer rice in the grain filling stage. Most of northern and central India remained dry and very warm as temperatures rose as high as 46°C in Myaharashtra. Premonsoon showers early in the week, and again late in the week, brought moderate rains to localized areas of peninsular India. The monsoon, which should normally have moved as far north as Karnataka and Andhra Pradesh by now, has not yet developed to its full intensity. Southern coastal rainfall accumulations are far below normal and cotton and rice planting could be delayed.

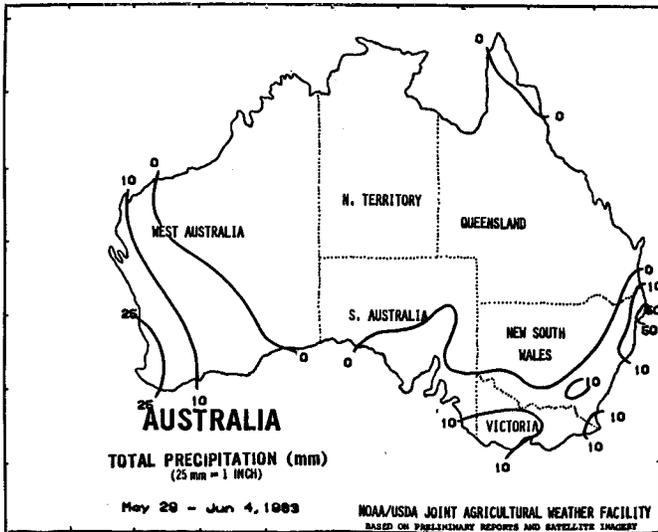
EASTERN ASIA...Persistent heavy rains in China's rice region have been a detriment to the entire planting season, which is usually completed by this time. Storms inundated the Yangtze Valley; an excess of 200 mm of rain fell in localized areas. Heavy rains were also reported in the southern coastal provinces. Expected flooding likely caused some replanting of cotton and rice. Relatively dry, warm weather covered the North China Plain, aiding winter wheat in the late filling stage in the north, the winter wheat harvest in the south, and cotton in the vegetative stage. Most of the significant precipitation in northeastern China fell east of the main corn/soybean crop area, which has been unfavorably dry the last 2 weeks. Light showers covered Jilin, while topsoils in Liaoning remained too dry for the crops in the vegetative stage.



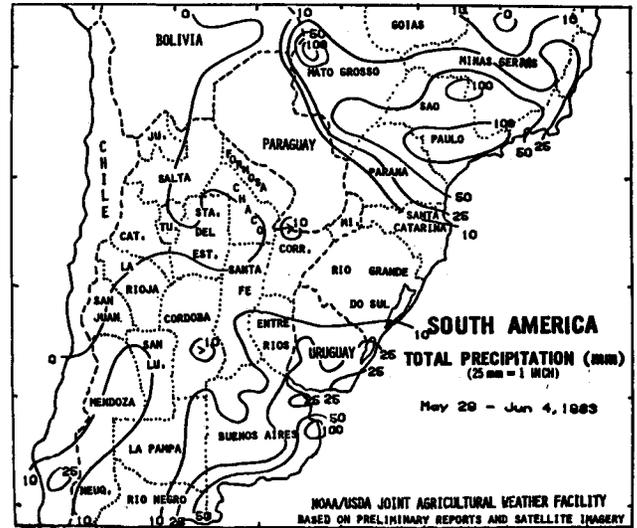
SOUTHEAST ASIA...Monsoon activity has decreased somewhat from last week over most of Indochina. However, beneficial rains fell again this week in the important south central rice area of Thailand, allowing planting to continue. Southern Laos and most of Vietnam were relatively dry; but rice areas in Kampuchea and extreme southern Vietnam benefited from moderate to heavy rain. Western Malaysia was mostly dry, however, the northeastern portion received heavy rainfall after a prolonged dry period. Moderate showers fell this week on most islands of the drought-stricken Philippines, offering minimal relief to corn and rice crops.



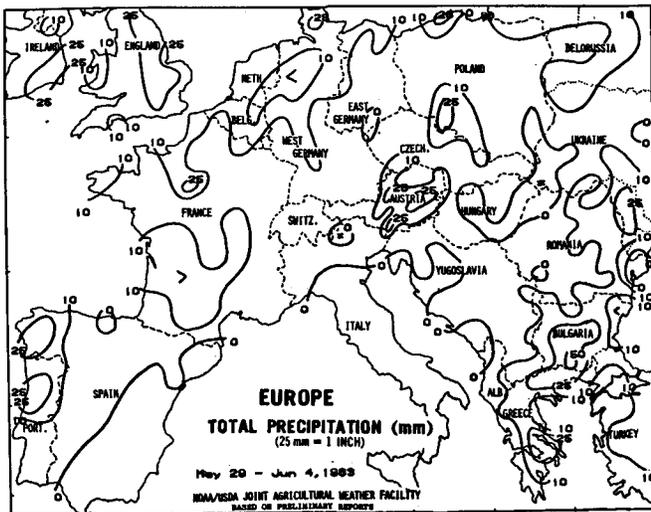
NORTHWESTERN AFRICA...Mostly dry weather covered winter grains in Morocco, northern Algeria, and northern Tunisia. The dry weather benefited maturing grains and aided the harvest. Weather during April and May has been unfavorably dry and in many areas has reduced yields. At present, the probability for rains interfering with the harvest is quite low, therefore, weekly coverage of this region will be discontinued until next autumn when sowing of next year's crop is scheduled to begin.



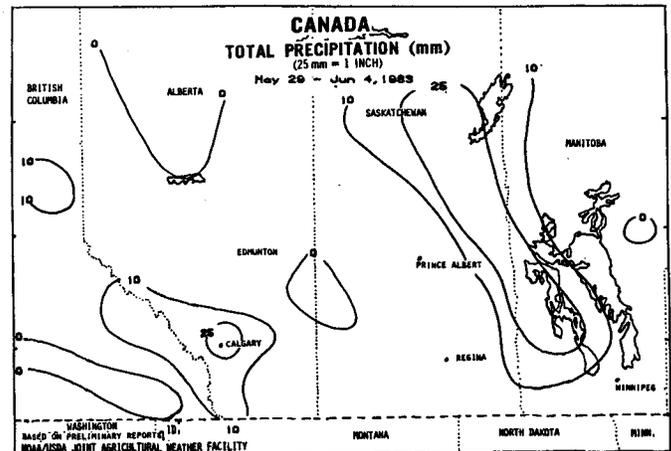
AUSTRALIA...Beneficial showers covered the wheat areas of Western Australia, while favorably dry weather in the east helped to alleviate flooding and waterlogged fields from the recent heavy rains. The showers in western crop areas will aid wheat planting during the next several weeks, but additional rains are needed to replenish soil moisture supplies. Light showers in the south did not interfere with wheat planting in South Australia, Victoria, and southern New South Wales. Reports indicate that over 80 percent of the wheat has been planted in these southern crop areas under favorable weather conditions. Excessive wetness has delayed wheat planting and promoted weed growth in northern New South Wales and southern Queensland. Continued dry weather is needed to allow resumption of crop planting in this area.



SOUTH AMERICA...The coldest weather of the year pushed into Argentina and southern Brazil, dropping temperatures well below the seasonal average and producing scattered frost as far north as Rio Grande do Sul. However, seasonal temperatures covered the coffee areas further north, with minimum temperatures well above freezing. Heavy rain adversely affected mature coffee and citrus in northern Parana, Sao Paulo, and Minas Gerais. Drier weather aided fieldwork in Rio Grande do Sul and northern Argentina; excessive rains had inundated both areas during harvesting. Showers covered much of Argentina's wheat areas, providing ample moisture for wheat planting. Some locally heavy rain fell in eastern Buenos Aires, delaying the soybean harvest and hindering wheat seeding.



EUROPE...Showers continued to delay seeding in England, the Netherlands, and Belgium. Although scattered showers were reported over France and West Germany, dry weather occurred on some days, allowing access to fields. Scattered showers also fell on East Germany and Poland, benefiting winter and summer crops. In the southeast, wet weather continued to benefit crops in eastern Romania and Bulgaria, while dryness returned to Yugoslavia. Wet weather also benefited summer crops in eastern Greece. Further west, most of Spain continued unseasonably dry, but wet weather returned to northern Portugal. Temperatures were near normal over much of the region.

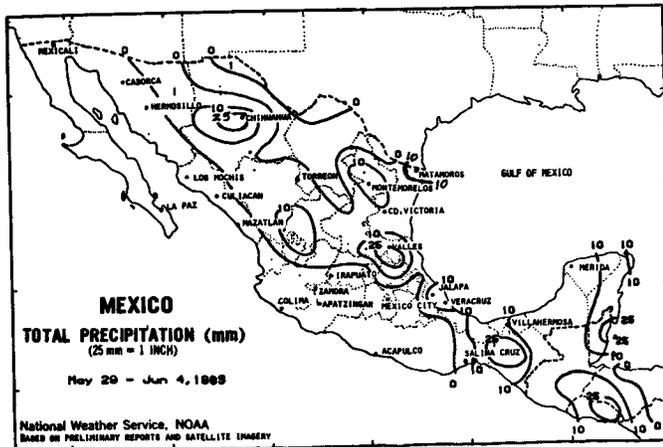


CANADA...Generally favorable planting weather allowed spring seeding progress rapidly in the Prairie Provinces. In fact, over 90 percent of the grain crops were planted by the weekend in the major growing areas of Saskatchewan and Alberta. A long, narrow band of significant showers (greater than 10mm), extending well north of Saskatchewan's crop areas, moistened soils in northern grain areas along the Saskatchewan-Manitoba border. The showers likely caused some planting delays in this area. Rainfall was light elsewhere in the Prairies with soils becoming somewhat too dry in crop areas of northern Alberta and northwestern Saskatchewan. The cool, wet spring followed by recent warm weather has increased the potential for disease and insect problems in many crop areas. Temperatures averaged slightly below normal for the week, moderating from the previous week's warm weather.



**WEEKLY NEWS BULLETIN
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MEXICO...Light rain across the north central region into the northeast and extending over the Yucatan Peninsula helped relieve some of the stress on rainfed crops, orchards, and rangeland vegetation. However, much more is needed. The entire west coast and part of the southern Plateau corn belt were sunny and dry, aiding fieldwork but causing a drain on irrigation supplies. Satellite photos depicted large areas of cloudiness and showers over the tropical waters south of the country. A part of this rainy system could drift northward, possibly bringing much-needed moisture for agriculture.

National Agricultural Summary (continued from p. 13)

VEGETABLES: Cool, wet weather continued to stall development of vegetable crops and delayed planting in many northern areas.

Florida's vegetable shipments increased 7% from the previous week. Crops registering declines were snap beans, cabbage, celery, Chinese cabbage, escarole, lettuce, okra, radishes, Southern peas, squash, and strawberries.

Harvesting of a wide variety of vegetables was active in California. Good volumes were moving to markets and processors.

Rains reduced the need for irrigation in portions of Texas. Most crops made good growth. Growers were active harvesting cabbage, peppers, tomatoes, and watermelons in the Rio Grande Valley.

PASTURES AND LIVESTOCK: Pastures and ranges were in fair to mostly good condition, improving as rains and mild temperatures stimulated growth in most regions. Ranchers continued moving livestock to summer ranges. Herds were in fair to good condition.

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

Annual subscription: domestic \$25, foreign \$33 (in U.S. funds by international money order or check drawn on U.S. bank), payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to NOAA/USDA Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, D.C. 20250. Order subscriptions from the office and address listed above. Second class postage paid at Washington, D.C. and additional mailing offices.

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