

WEEKLY WEATHER AND CROP BULLETIN

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

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

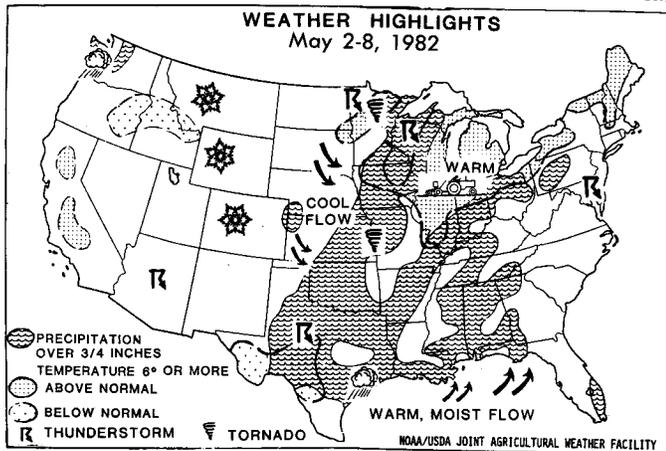
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May 11, 1982

National Weather Summary

May 2-8



Minnesota and Wisconsin to the central Rockies and the Southwest. Severe weather with tornadoes, hail, heavy rain, and high wind was reported from Minnesota and Wisconsin to Nebraska and Kansas. Late in the day, thunderstorms developed in western Texas and southwestern Oklahoma. The tongue of warm air reached northward ahead of the front, and after a long hard winter, the Great Lakes region welcomed 80° temperatures.

WEDNESDAY...The slow-moving cold front produced moderate to heavy showers and thunderstorms from Wisconsin through central Texas. Lighter showers, including early morning snow, fell over the High Plains from western Nebraska and eastern Colorado to New Mexico and Texas. Cool weather spread behind the front while unseasonably warm air dominated the region east of the front. Temperatures in the 80's reached to the lower Great Lakes and the Ohio River Valley.

HIGHLIGHTS: A cold front moved into the Rockies, reformed in the Plains, and moved slowly eastward spreading showers and thunderstorms along and ahead of it. Snow fell over the High Plains from Colorado to Montana and into the Rockies. As the front moved into the moist air east of the Rockies, severe weather was triggered. Tornadoes, hail, high winds, and heavy rain moved with the frontal passage up to the Appalachian mountains. The severe weather diminished east of the mountains. Summerlike temperatures ahead of the front brought unseasonably warm weather to the Great Lakes region and the Northeast.

THURSDAY...Frequent and occasionally violent showers and thunderstorms spread along and ahead of the front as it moved to a line from Michigan to eastern Arkansas and into the Gulf off the Texas coast. Heavy rain caused local flooding, and twisters uprooted trees as the front passed. Behind the front, strong northwesterly winds ushered in much cooler air while brisk southerly winds brought warm weather to areas east of the front.

(cont. on page 12)

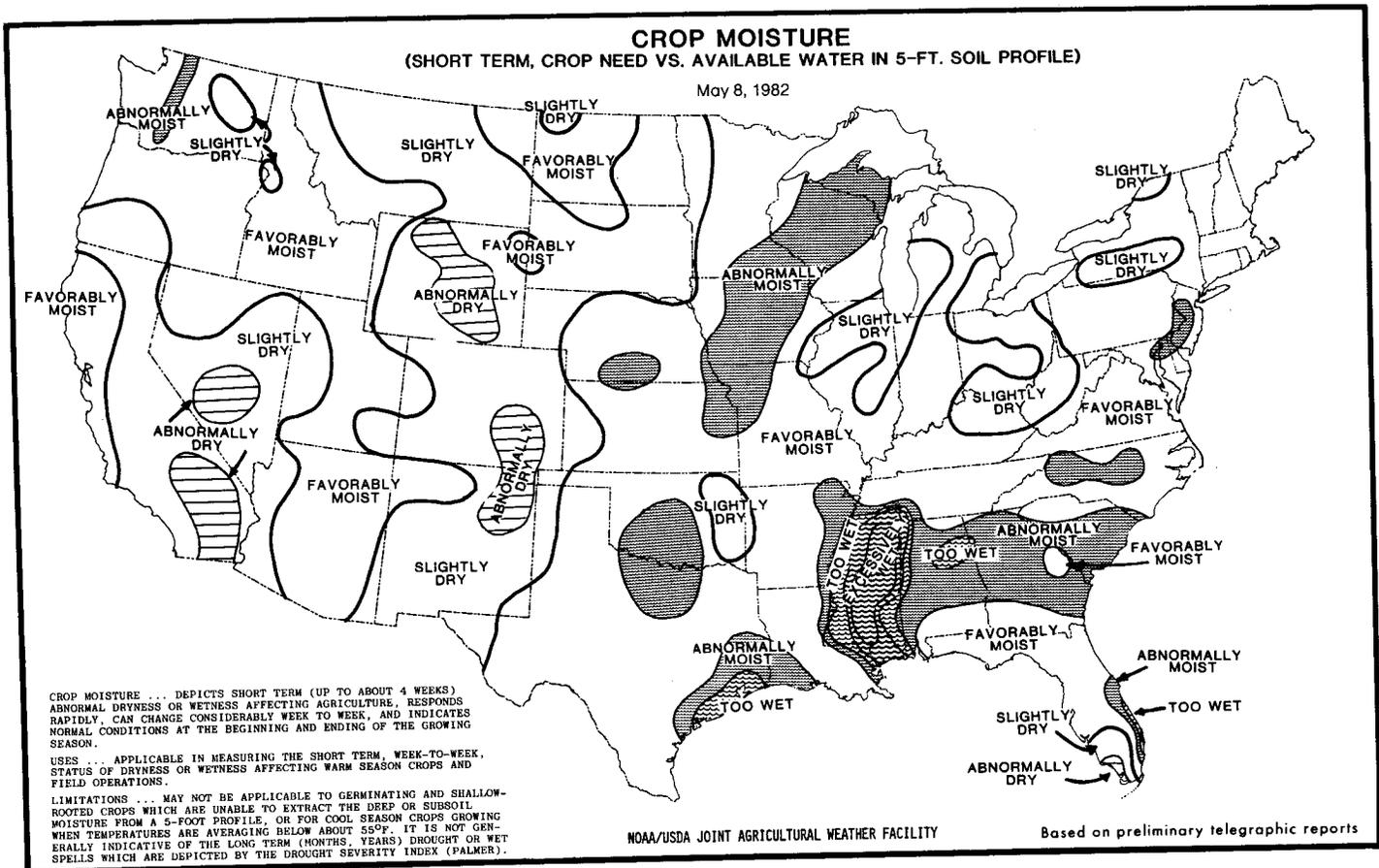
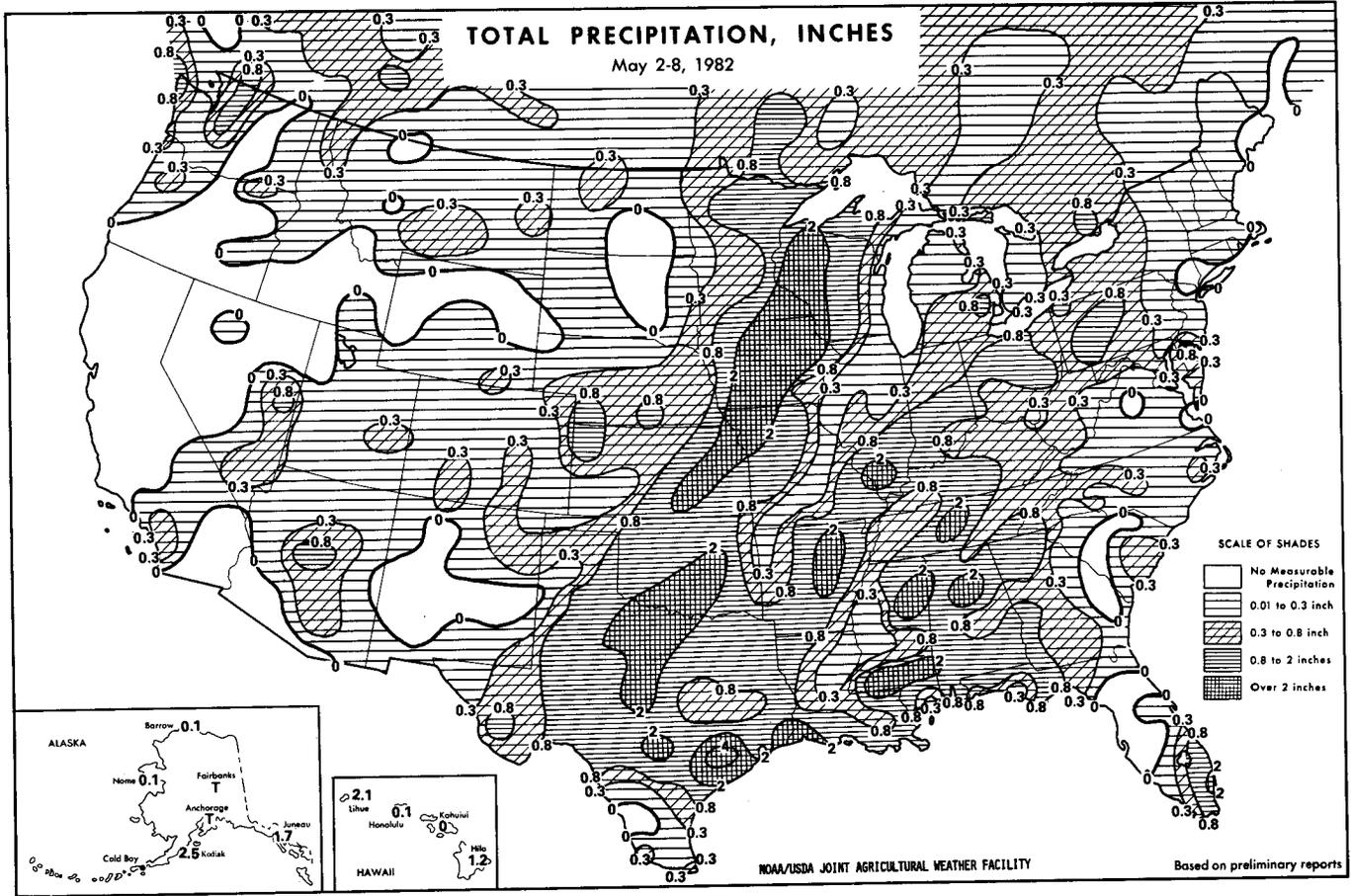
SUNDAY...Light rain fell along the coasts of Washington and Oregon, and showers with a few thunderstorms developed from Arizona through Utah and southeastward to western Texas. Showers and thunderstorms fell along the eastern gulf coast, and light showers covered most of North Carolina and western Virginia as well as New England. Temperatures were warm over most of the Nation but climbed into the eighties over the central and northern high Plains.

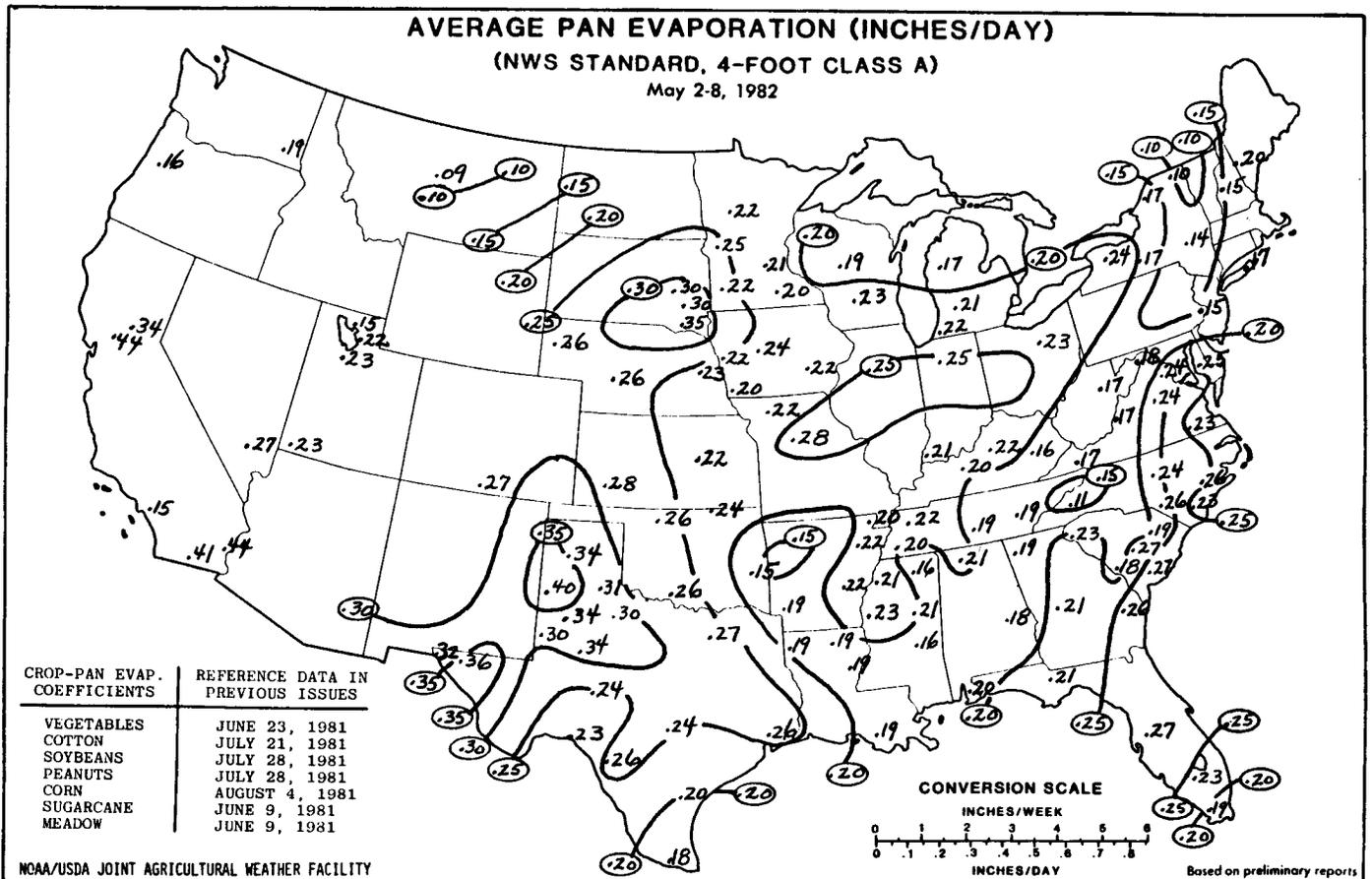
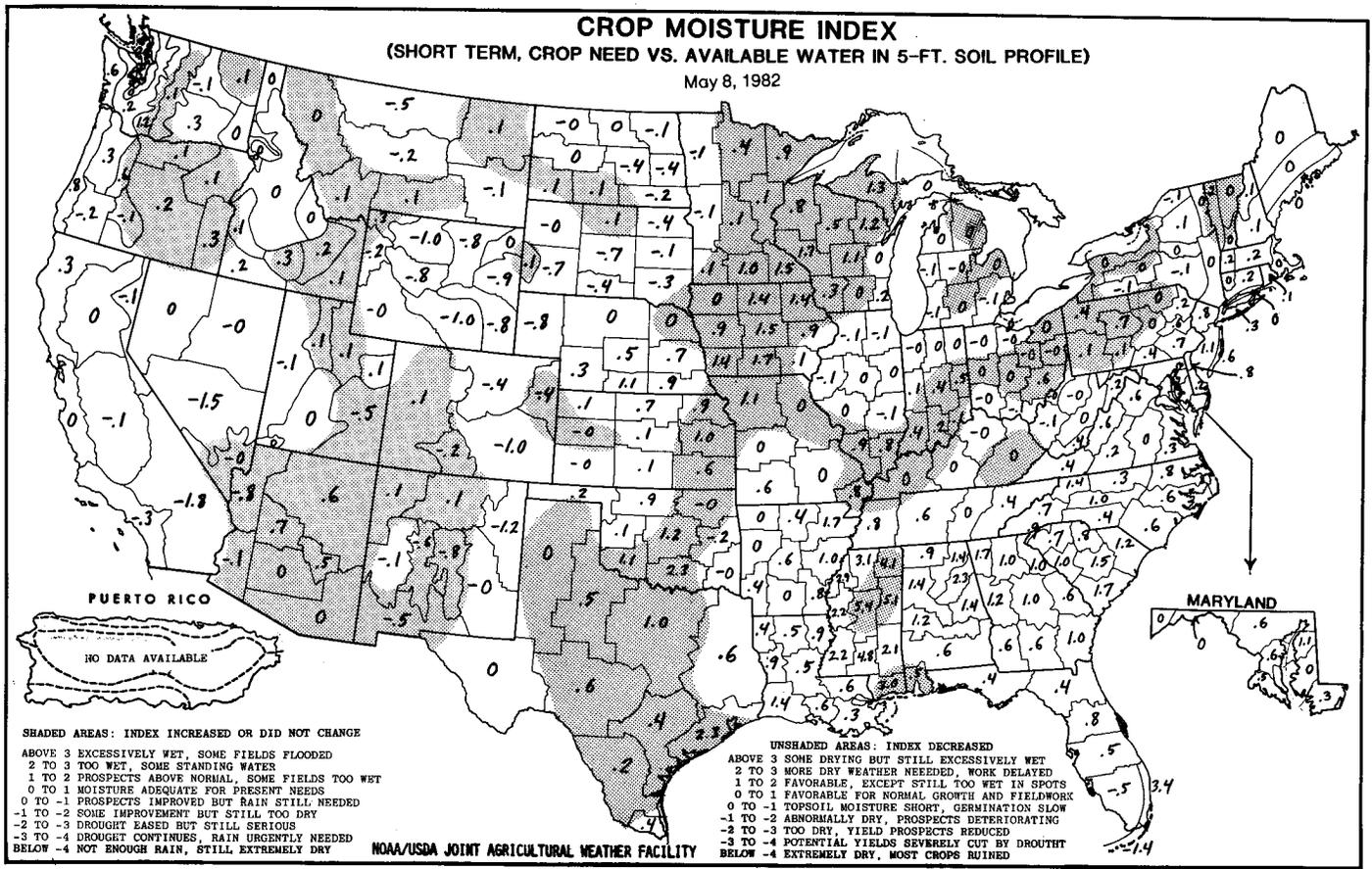
MONDAY...Showers continued over the northwest coast and spread eastward through the Rockies to the northern Plains. Snow fell in the higher Cascades. Showers and a few thundershowers continued from Arizona through the central Rockies. Some heavier thunderstorms developed through the western portion of the upper Mississippi Valley and through the Northeast. Summerlike weather covered the Plains where temperatures climbed into the eighties well into Canada and into the nineties in parts of South Dakota.

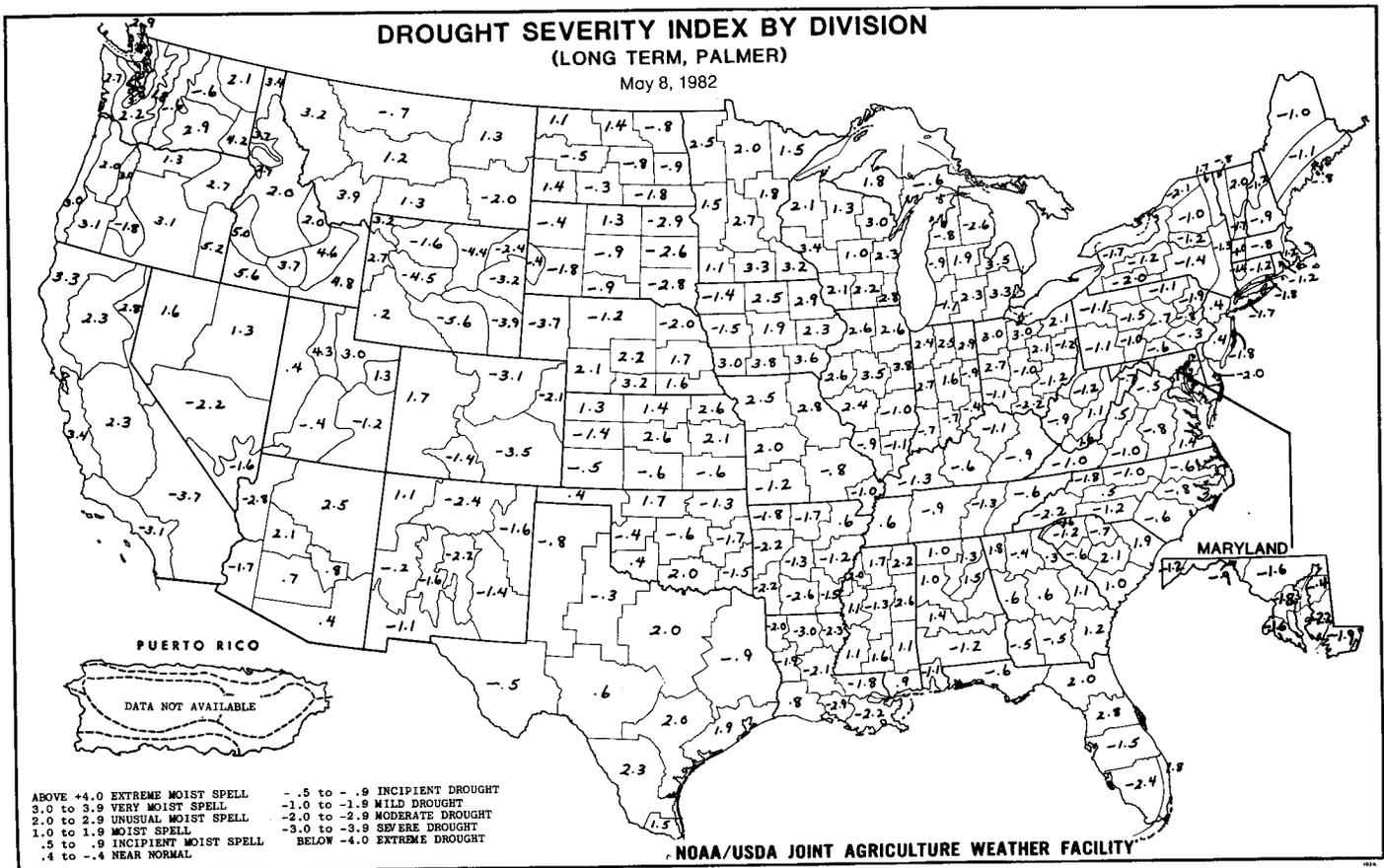
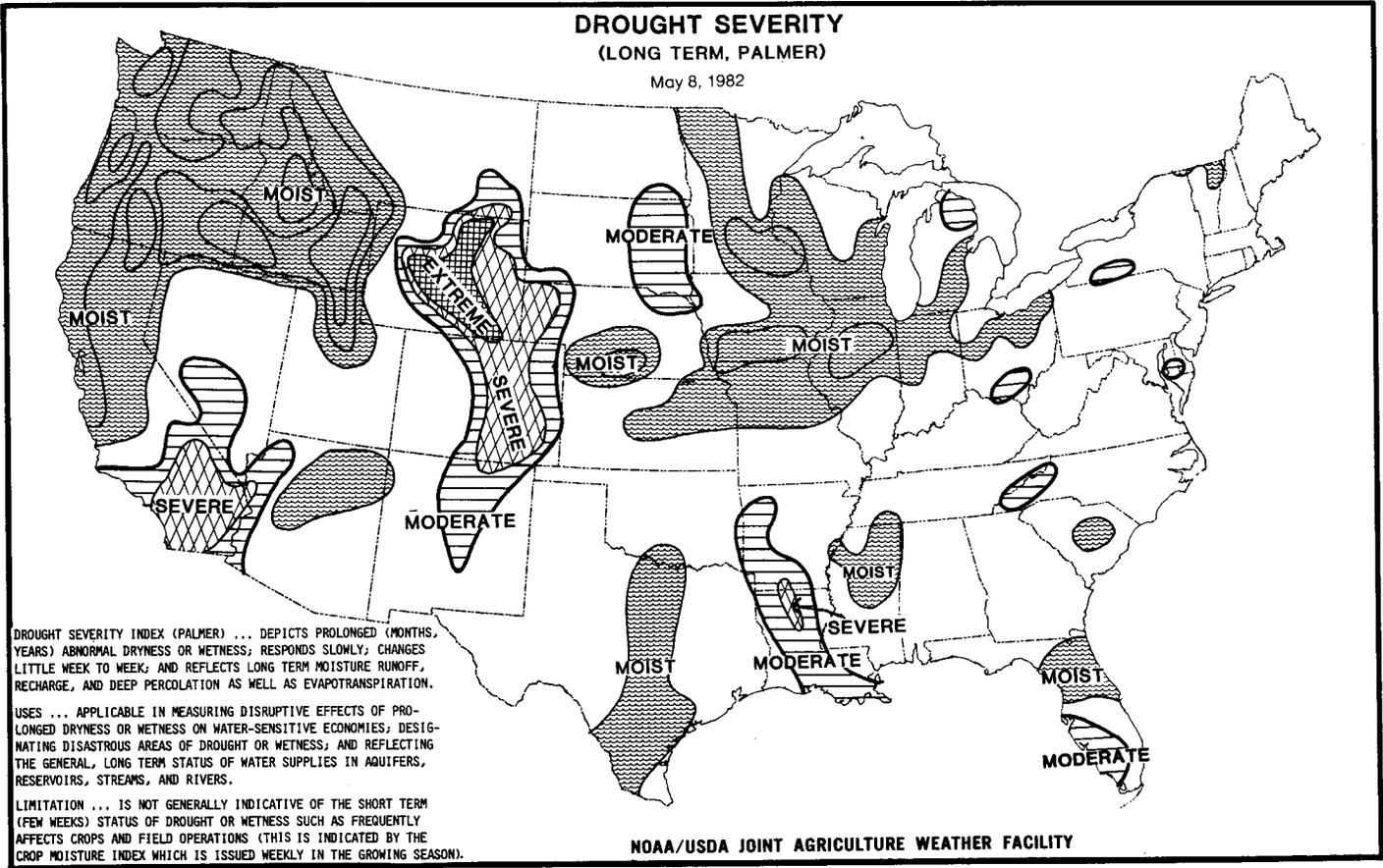
TUESDAY...A cold front moved slowly into the central United States and triggered widespread showers from

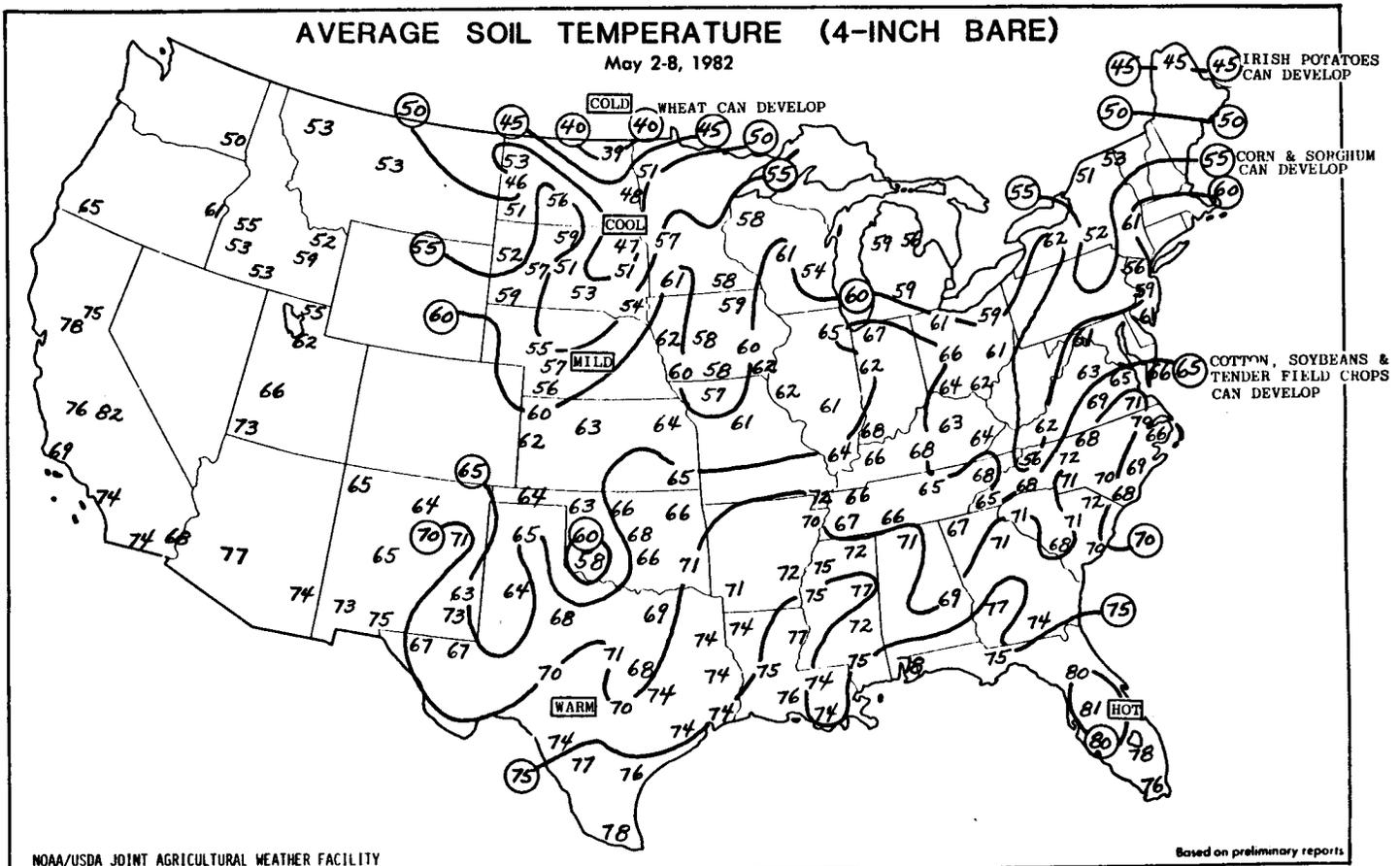
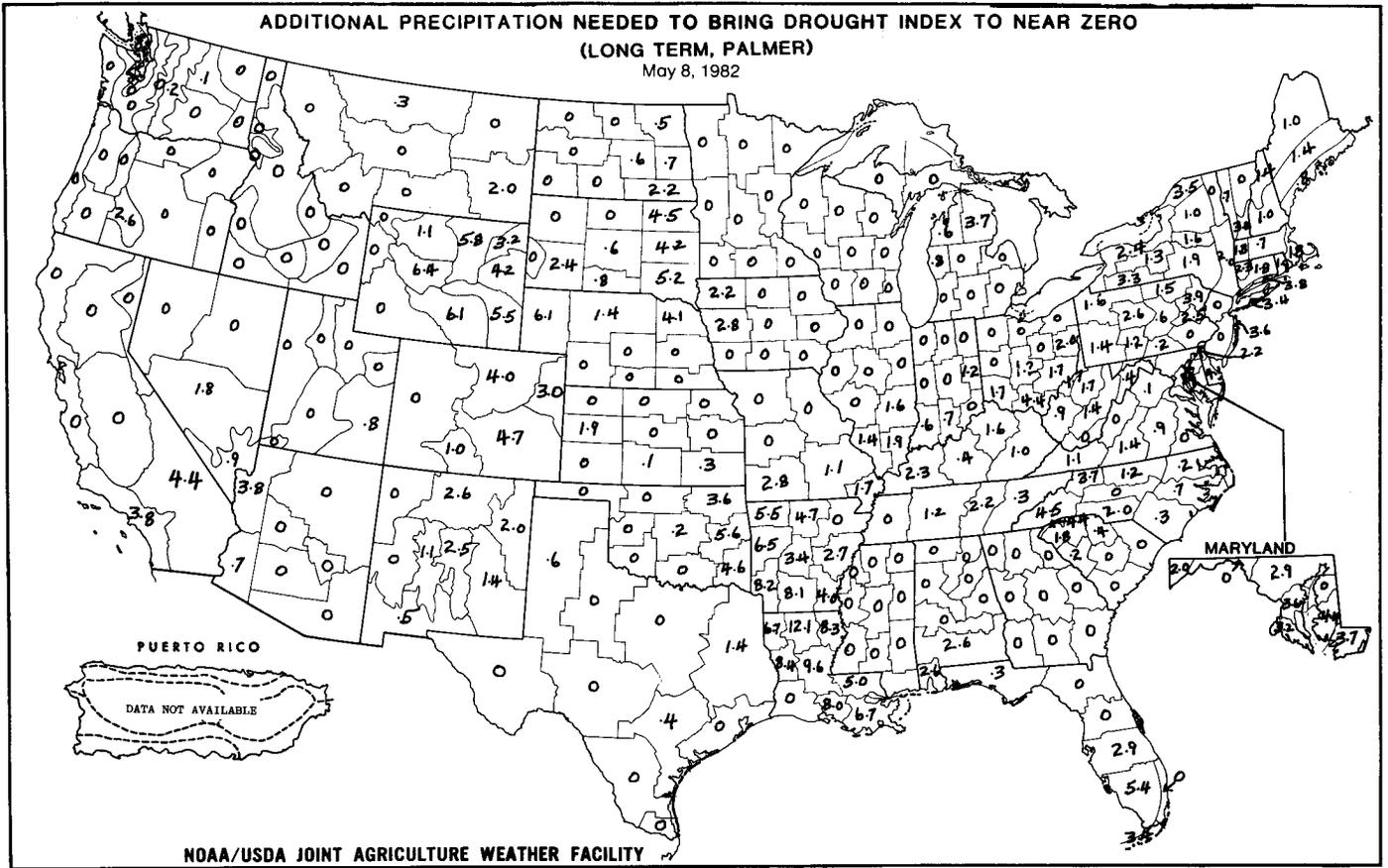
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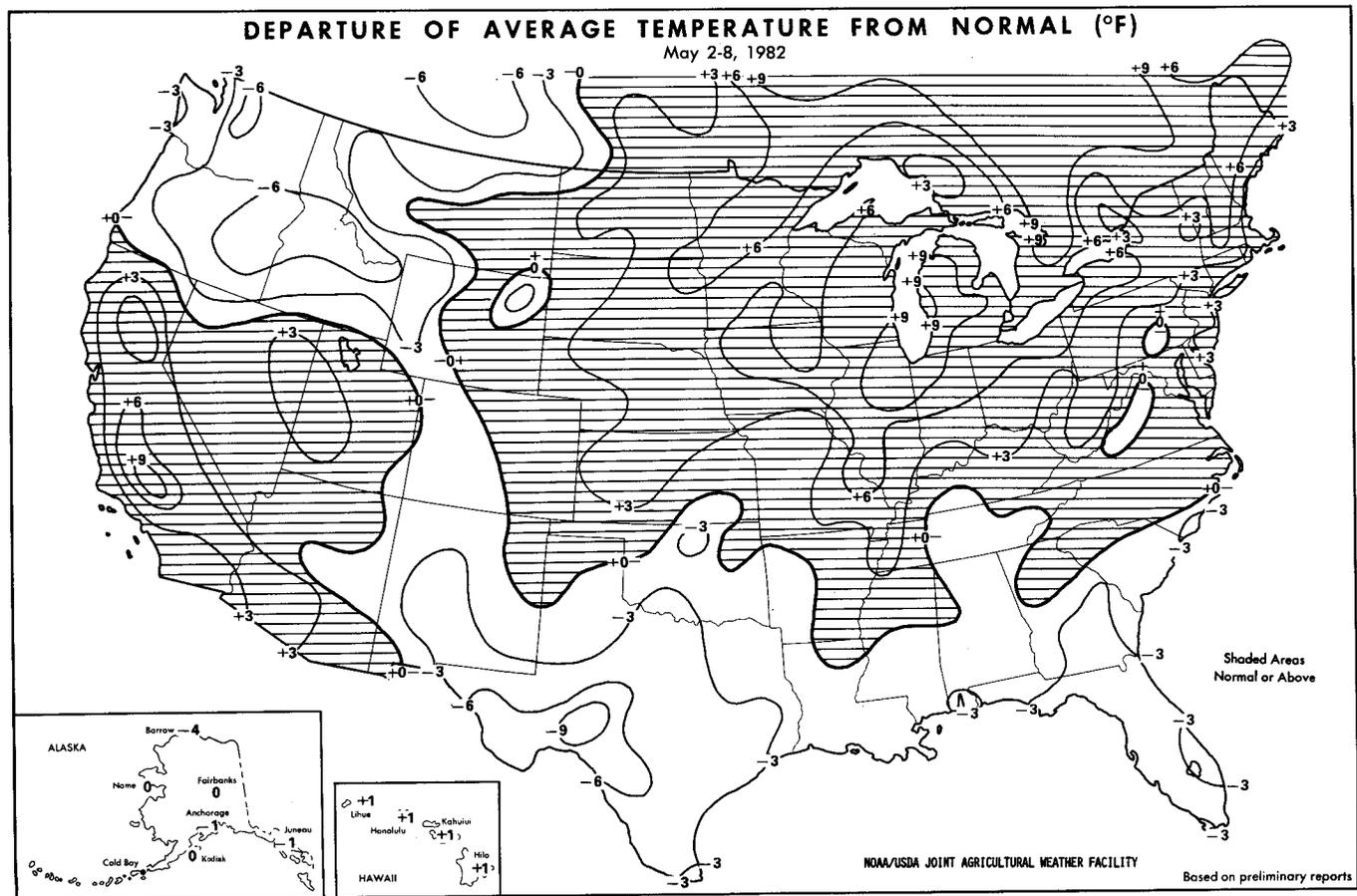
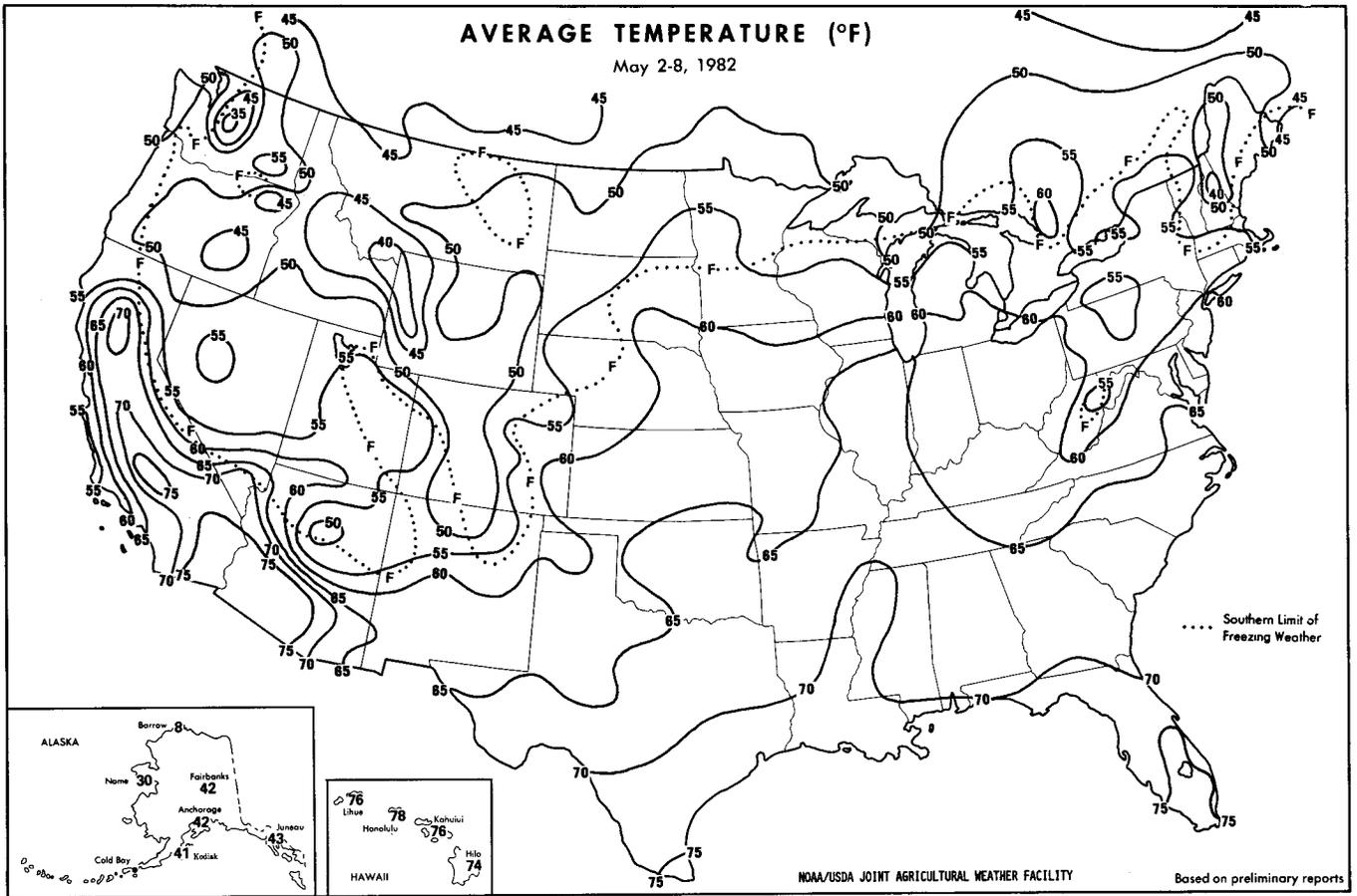
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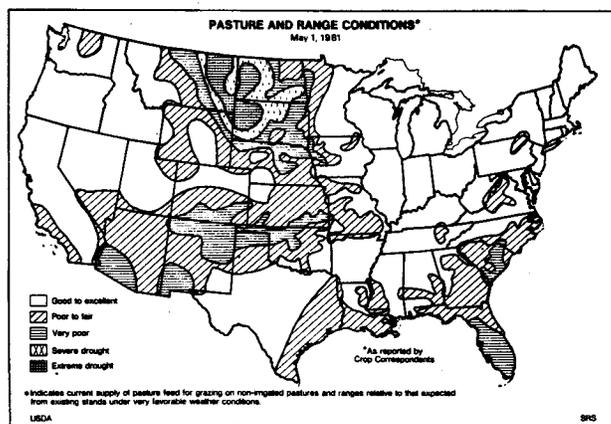
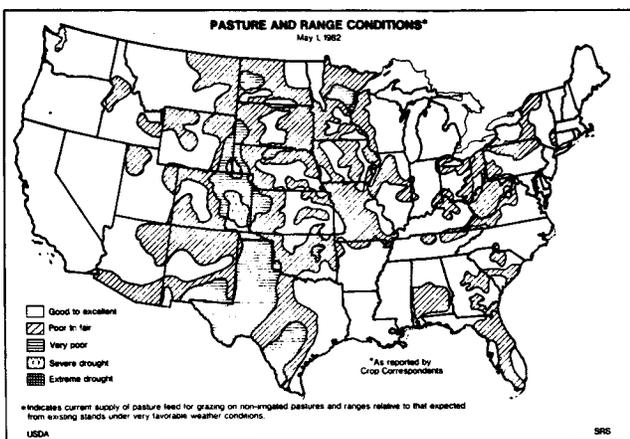
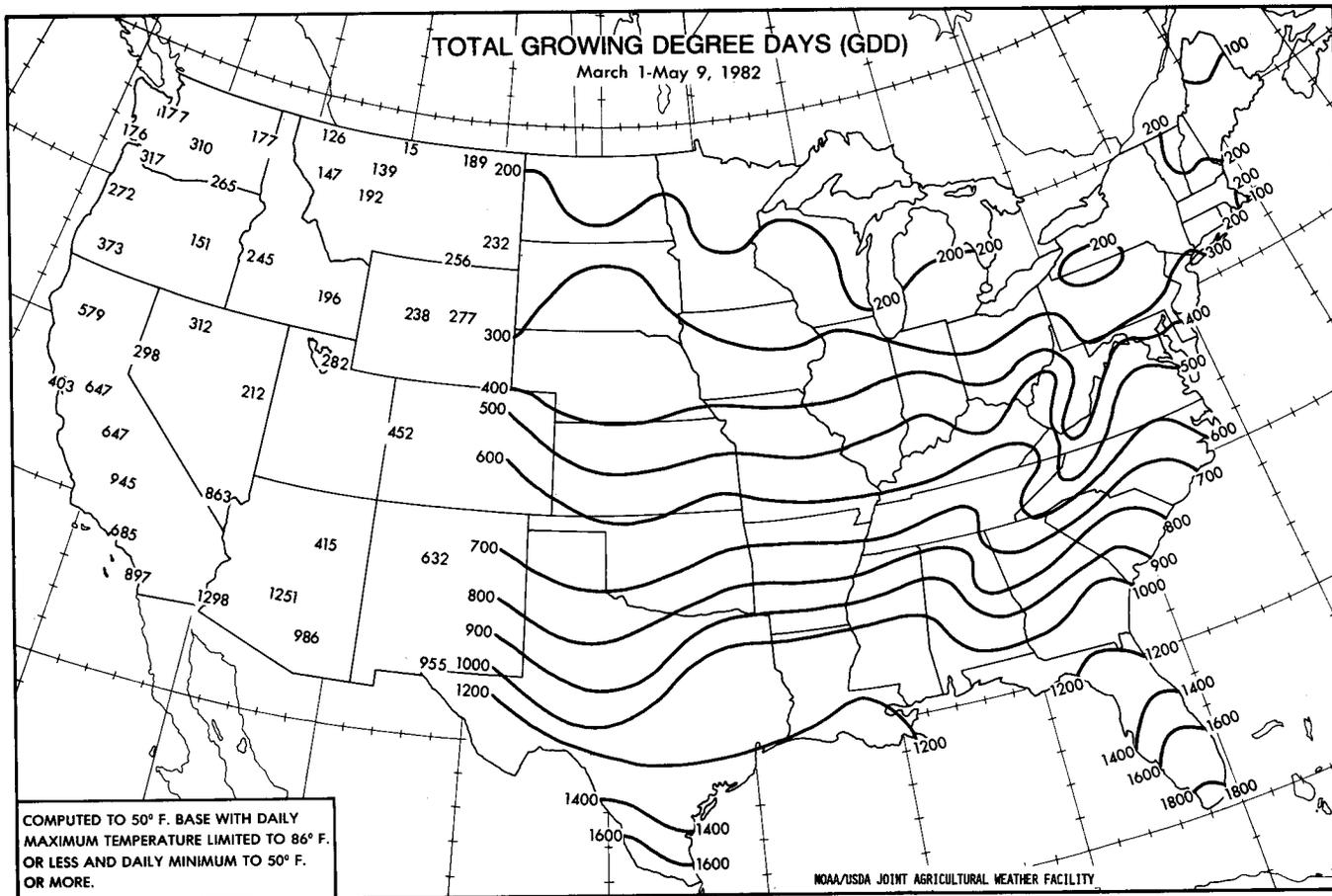












PASTURE AND RANGE FEED: The May 1 pasture and range feed condition for the 48 contiguous States was 79 percent, the same as a year ago and the 1971-80 average. Conditions were less favorable than a year ago in 26 States, better in 20, and equal to last year in 2 States. The Great Plains States reported dry conditions despite some showers late in the month. Cool temperatures limited forage growth from North Dakota to Oklahoma. During April conditions in Colorado took a turn for the worse east of the Divide. Lack of any appreciable spring moisture on the eastern Plains caused the State average to drop to

62 percent compared with 73 percent a year earlier. Strong winds and lack of precipitation in western Texas and New Mexico left grazing land in poor condition. All States west of the Rocky Mountains reported good to excellent conditions. However, grass growth slowed because of cool temperatures, although abundant soil moisture was available in most areas. East of the Mississippi, only Florida, Ohio, and West Virginia showed pasture conditions less than good to excellent. Conditions in these three States were rated poor to fair.

Weather Data for the Week Ending May 8, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	80	54	86	48	67	-1	2.6	1.8	2.6	12.6	102	26.1	127	93	33	0	0	1	1
MOBILE	81	60	86	55	70	-2	1.6	.6	1.6	11.3	81	24.0	113	83	41	0	0	2	1
MONTGOMERY	80	59	85	55	70	0	.6	.2	.6	13.5	116	28.0	155	81	41	0	0	1	1
AK ANCHORAGE	50	34	53	28	42	-1	T	.1	T	.6	50	1.3	50	79	42	0	4	0	0
BARROW	15	1	19	-10	8	-4	-1	0	-1	.6	120	1.2	120	93	69	0	7	2	0
FAIRBANKS	51	32	60	28	42	0	T	.1	T	1.4	140	2.1	117	58	28	0	4	1	0
JUNEAU	50	36	53	30	43	-1	1.7	.9	1.2	10.5	140	14.8	107	91	56	0	2	3	1
KODIAK	46	36	55	31	41	0	2.5	1.6	1.9	8.0	90	19.5	111	91	68	0	1	5	1
NOME	36	24	43	-3	30	0	.1	.1	.1	1.7	89	4.7	142	81	61	0	5	2	0
AZ PHOENIX	91	65	97	61	78	5	.4	.3	.4	1.8	138	3.3	138	63	16	4	0	2	0
PRESCOTT	68	41	73	34	55	-2	1.3	1.1	.6	3.4	126	6.4	116	90	34	0	0	3	1
TUCSON	83	56	89	50	69	0	.3	.2	.2	1.8	150	3.4	126	65	18	0	0	2	0
YUMA	91	65	99	60	78	2	0	0	0	.9	180	1.6	160	48	18	4	0	0	0
AR FORT SMITH	79	52	86	40	66	-2	1.2	-1.1	-2	3.7	36	9.1	61	94	42	0	0	1	0
LITTLE ROCK	79	57	85	51	68	0	.5	.3	1.5	11.1	93	21.2	112	87	44	0	0	2	1
CA BAKERSFIELD	89	66	96	62	78	10	0	.1	0	2.4	126	3.9	108	47	18	4	0	0	0
EUREKA	60	45	68	40	53	1	0	.6	0	12.8	144	23.1	116	83	56	0	0	0	0
FRESNO	85	55	90	52	70	5	0	.1	0	5.7	178	8.4	140	84	25	1	0	0	0
LOS ANGELES	67	59	68	58	63	2	.1	.1	.1	5.3	156	8.7	116	85	64	0	0	2	0
RED BLUFF	86	56	93	46	71	6	0	.3	0	4.8	94	10.0	85	57	15	2	0	0	0
SACRAMENTO	82	49	85	43	65	3	0	.2	0	9.1	190	17.2	156	89	27	0	0	0	0
SAN DIEGO	70	62	73	60	66	3	0	.2	0	4.9	204	8.8	157	80	62	0	0	0	0
SAN FRANCISCO	68	48	76	44	58	1	0	.2	0	9.6	213	21.4	195	87	52	0	0	0	0
CO DENVER	70	43	81	32	56	2	.2	.4	.2	.7	19	1.1	25	61	23	0	1	1	0
GRAND JUNCTION	73	45	79	33	59	0	.2	.1	.2	1.3	76	1.8	64	71	23	0	0	2	0
PUEBLO	76	41	85	32	59	1	.3	.1	.3	.5	20	1.3	45	80	24	0	1	1	0
CT BRIDGEPORT	67	48	80	43	57	2	0	.8	0	4.8	60	13.7	110	71	35	0	0	0	0
HARTFORD	74	43	81	37	59	-4	T	.8	T	6.7	78	14.3	104	82	25	0	0	1	0
DC WASHINGTON	76	54	86	50	65	2	.3	.5	.3	6.3	86	11.7	102	79	38	0	0	1	0
FL APALACHICOLA	80	60	82	58	70	-3	.8	.2	.8	11.7	130	20.9	142	91	59	0	0	1	1
DAYTONA BEACH	80	60	84	54	70	-3	T	.4	T	11.8	187	16.3	155	90	50	0	0	0	0
JACKSONVILLE	82	55	86	50	69	-4	T	.6	T	8.0	108	12.6	97	99	46	0	0	1	0
KEY WEST	83	75	86	73	79	-1	T	.5	T	5.3	120	7.2	99	74	57	0	0	0	0
MIAMI	80	69	81	67	74	-3	2.0	.9	1.9	16.0	225	17.2	165	81	52	0	0	2	1
ORLANDO	82	61	85	60	72	-3	.1	.4	.1	11.0	159	14.3	129	92	46	0	0	1	0
TALLAHASSEE	84	56	87	53	70	-3	.8	0	.8	9.3	84	18.4	101	98	38	0	0	1	1
TAMPA	81	60	83	58	71	-5	T	.3	T	4.9	77	8.9	82	97	50	0	0	0	0
WEST PALM BEACH	79	69	81	63	74	-2	1.8	.9	1.7	26.2	323	29.8	242	79	55	0	0	3	1
GA ATLANTA	79	57	83	52	68	2	.3	.6	.3	10.5	87	22.1	115	78	35	0	0	2	0
AUGUSTA	81	51	83	47	66	-3	T	.8	T	6.9	73	14.4	95	100	38	0	0	2	0
MACON	82	55	84	52	69	-2	.5	.3	.4	9.6	98	19.7	120	98	39	0	0	2	0
SAVANNAH	82	58	85	54	70	-1	T	.8	T	8.0	94	14.4	108	90	38	0	0	1	0
HI HILO	81	68	82	64	74	1	1.2	1.5	.5	56.8	187	77.0	160	90	64	0	0	5	1
HONOLULU	85	71	87	65	78	1	.1	.2	T	4.9	98	20.1	183	78	52	0	0	2	0
KAHULUI	86	66	88	62	76	1	0	.2	0	6.8	151	19.6	196	82	54	0	0	0	0
LIHUE	83	69	85	66	76	1	2.1	1.5	2.0	16.2	188	35.2	199	92	67	0	0	2	1
ID BOISE	66	35	78	22	50	-4	0	.3	0	2.0	71	4.9	94	68	22	0	0	1	0
LEWISTON	64	41	73	33	53	-3	.1	.2	-1	1.6	67	4.6	110	68	30	0	0	1	0
POCATELLO	64	38	78	21	51	-1	T	.3	T	3.1	119	5.4	123	64	25	0	3	1	0
IL CHICAGO	79	49	88	38	64	9	.1	.7	-1	6.9	101	10.3	113	84	26	0	0	2	0
MOLINE	79	50	86	41	65	7	.3	.6	.2	7.6	104	10.1	113	84	35	0	0	3	0
PEORIA	80	54	87	45	67	9	.3	.7	.2	10.7	129	14.5	137	77	34	0	0	2	0
QUINCY	76	52	84	43	64	2	.2	.7	.2	6.8	89	11.3	89	42	0	0	2	0	
ROCKFORD	78	49	83	40	63	8	.1	.7	.1	7.1	92	8.4	87	84	34	0	0	2	0
SPRINGFIELD	81	55	89	49	68	8	.3	.5	.2	6.7	87	13.1	131	83	37	0	0	3	0
IN EVANSVILLE	80	50	89	44	65	2	1.0	0	1.0	8.8	88	20.1	130	93	36	0	0	2	1
FORT WAYNE	77	50	86	42	63	7	.5	.3	.5	8.1	104	15.0	133	82	37	0	0	1	1
INDIANAPOLIS	78	50	85	44	64	5	1.3	.4	1.2	8.5	99	15.6	123	78	36	0	0	3	1
SOUTH BEND	77	52	85	40	64	10	.3	.5	.3	6.1	80	10.4	98	74	31	0	0	2	0
IA DES MOINES	75	50	86	44	62	5	2.1	1.3	1.3	10.6	171	13.9	181	81	47	0	0	3	2
SIOUX CITY	74	49	85	38	62	4	.4	.3	.4	2.6	57	4.6	78	81	39	0	0	1	0
WATERLOO	74	47	86	38	60	5	2.2	1.3	1.1	7.9	122	9.7	129	88	48	0	0	5	2
KS CONCORDIA	74	51	83	43	63	3	.5	.4	.3	5.5	110	6.7	114	88	53	0	0	4	0
DODGE CITY	78	50	91	40	64	4	.2	.4	.2	1.6	47	3.1	78	88	35	1	0	2	0
GOODLAND	73	43	84	34	58	3	1.1	.6	1.1	2.3	82	3.1	97	83	33	0	0	1	1
TOPEKA	74	48	86	36	61	0	2.3	1.4	1.4	5.1	74	7.3	90	89	50	0	0	2	2
WICHITA	75	52	83	39	63	0	2.3	1.6	1.9	5.1	93	7.6	117	87	50	0	0	2	1
KY BOWLING GREEN	76	49	82	44	63	-2	1.1	.2	1.1	9.1	86	17.8	93	99	35	0	0	1	1
LEXINGTON	77	52	83	44	64	3	.5	.4	.5	6.7	67	14.3	89	75	31	0	0	2	0
LOUISVILLE	78	51	85	44	64	3	.6	.3	.5	9.3	90	16.3	101	82	32	0	0	1	0
LA ALEXANDRIA	81	59	85	49	70	-2	T	1.4	T	8.0	66	17.3	76	40	0	0	0	1	0
BATON ROUGE	82																		

Weather Data for the Week Ending May 8, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME SHREVEPORT	80	58	85	47	69	-2	.9	-.3	.9	6.3	57	13.1	76	93	47	0	0	0	1	1
ME CARIBOU	68	38	81	29	53	8	.1	-.6	.1	6.1	111	11.1	123	76	30	0	2	1	0	0
ME PORTLAND	64	39	70	34	51	2	.1	-.7	.1	8.0	96	15.7	112	88	36	0	0	1	0	0
MD BALTIMORE	74	48	83	43	61	1	.2	-.6	.2	6.9	85	14.4	113	77	34	0	0	1	0	0
MD SALISBURY	76	48	84	40	62	1	.2	-.5	.2	7.4	89	15.9	114	93	35	0	0	1	0	0
MA BOSTON	63	47	77	44	55	0	.1	-.8	.1	5.9	67	13.2	88	76	45	0	0	1	0	0
MA CHATHAM	58	44	61	42	51	-1	0	-	0	7.7	-	15.8	84	65	0	0	0	0	0	0
MI ALPENA	70	39	83	32	55	8	.4	-.1	.4	4.5	90	6.5	92	81	31	0	1	2	0	0
MI DETROIT	75	48	86	41	61	7	.4	-.4	.4	5.4	78	9.8	102	75	32	0	0	1	0	0
MI FLINT	74	50	85	40	62	10	.5	-.2	.5	3.9	67	6.4	78	77	36	0	0	2	0	0
MI GRAND RAPIDS	76	48	84	37	62	9	.4	-.4	.3	5.8	85	9.2	100	78	32	0	0	3	0	0
MI HOUGHTON LAKE	70	45	79	37	58	9	.1	-.5	T	5.3	113	7.7	113	82	35	0	0	3	0	0
MI LANSING	74	43	83	29	59	6	.3	-.4	.3	3.9	63	6.4	72	87	40	0	2	1	0	0
MI MARQUETTE	63	38	74	28	51	6	1.0	-.3	.6	7.7	135	12.0	145	87	39	0	2	2	1	0
MI MUSKEGON	72	46	83	35	59	7	T	-.7	T	4.7	72	9.6	101	80	35	0	0	1	0	0
MI SAULT STE. MARIE	65	38	72	30	51	6	.2	-.4	.1	7.5	156	12.4	163	87	36	0	2	2	0	0
MN ALEXANDRIA	70	44	84	31	57	6	T	-.6	T	4.6	107	7.0	143	80	30	0	1	1	0	0
MN DULUTH	62	40	75	31	51	5	1.6	-.9	1.4	5.7	110	8.2	128	74	36	0	2	3	1	0
MN INT'L FALLS	65	41	80	26	53	7	.8	-.3	.8	3.2	97	4.8	104	86	41	0	2	2	1	0
MN MINNEAPOLIS	70	47	88	40	59	5	.7	-.1	.4	4.1	100	7.2	138	78	38	0	0	4	0	0
MN ROCHESTER	69	45	83	41	57	5	2.8	2.1	1.5	7.2	144	9.2	161	85	49	0	0	3	2	0
MS GREENWOOD	82	59	87	48	70	0	.2	-.8	.2	12.3	98	23.2	-	91	45	0	0	1	0	0
MS JACKSON	81	56	86	47	69	-2	T	-1.0	T	11.9	102	21.5	114	96	47	0	0	1	0	0
MS MERIDIAN	82	55	86	49	69	-1	.5	-.5	.5	11.4	90	21.3	107	93	42	0	0	1	0	0
MO CAPE GIRARDEAU	79	56	86	46	68	4	1.6	-.6	1.1	8.0	86	21.4	146	91	41	0	0	2	1	0
MO COLUMBIA	76	51	83	40	63	2	.6	-.4	.5	6.4	85	10.7	109	91	46	0	0	2	0	0
MO KANSAS CITY	75	51	85	43	63	2	2.0	1.2	1.7	6.9	97	10.7	124	91	51	0	0	2	1	0
MO SAINT LOUIS	80	57	88	50	69	6	.4	-.4	.4	5.6	71	12.1	112	83	35	0	0	2	0	0
MO SPRINGFIELD	77	51	83	43	64	2	T	-1.1	T	5.8	66	10.6	95	88	47	0	0	1	0	0
MT BILLINGS	65	42	83	32	54	2	.6	-.2	.4	4.1	117	5.1	119	65	28	0	1	2	0	0
MT GLASGOW	60	40	81	33	50	-1	.1	-.2	.1	1.0	71	2.3	128	67	25	0	0	1	0	0
MT GREAT FALLS	58	37	79	30	48	-3	.1	-.3	.1	3.1	124	5.2	130	55	27	0	3	1	0	0
MT HAVRE	59	37	78	32	48	-4	.2	-.1	.2	1.1	55	3.4	126	62	26	0	1	2	0	0
MT HELENA	61	39	79	33	50	0	T	-.3	T	1.9	100	3.4	136	57	27	0	0	0	0	0
MT KALISPELL	58	34	72	24	46	-3	.1	-.2	T	2.6	118	6.5	151	89	36	0	2	4	0	0
MT NILES CITY	66	42	85	35	54	1	.2	-.2	.2	1.4	58	2.6	87	67	31	0	0	2	0	0
MT MISSOULA	60	34	76	26	47	-3	.1	-.2	.1	2.9	138	6.2	172	85	32	0	3	3	0	0
NE GRAND ISLAND	73	47	83	39	60	3	.6	-.2	.6	6.1	136	7.3	135	90	41	0	0	1	1	0
NE LINCOLN	74	48	83	37	61	2	.4	-.3	.3	6.5	135	7.4	123	93	54	0	0	4	0	0
NE NORFOLK	74	49	81	43	61	5	.6	-.1	.6	3.7	88	5.7	110	76	32	0	0	1	1	0
NE NORTH PLATTE	72	41	84	33	57	2	.4	-.2	.4	2.9	83	3.1	79	94	35	0	0	2	0	0
NE OMAHA	73	51	82	43	62	5	.8	0	.5	5.4	100	7.4	114	81	53	0	0	4	0	0
NE SCOTTSBLUFF	71	39	84	23	55	2	T	-.5	T	1.0	32	1.5	42	73	19	0	2	1	0	0
NE VALENTINE	71	43	86	28	57	4	T	-.5	T	1.7	63	2.3	64	70	24	0	1	1	0	0
NV ELY	66	34	71	24	50	3	1.0	-.8	.7	4.0	182	5.3	177	83	28	0	3	2	1	0
NV LAS VEGAS	83	59	92	53	71	1	.3	-.2	.3	.6	67	1.8	113	60	19	1	0	2	0	0
NV RENO	73	34	78	27	53	1	0	-.1	0	1.5	107	3.1	94	73	17	0	3	0	0	0
NV WINNEMUCCA	72	34	81	25	53	2	.1	-.2	.1	1.6	94	2.1	62	51	14	0	2	1	0	0
NH CONCORD	72	36	79	30	54	3	.1	-.6	T	5.5	85	12.5	116	85	25	0	2	3	0	0
NJ ATLANTIC CITY	74	48	82	42	61	3	T	-.7	T	6.4	73	12.8	88	87	37	0	0	2	0	0
NM ALBUQUERQUE	75	43	82	32	59	-3	.1	0	-1	1.0	77	1.6	89	78	23	0	1	2	0	0
NM CLOVIS	77	48	85	42	63	0	T	-.4	T	.6	35	1.3	-	83	28	0	0	0	0	0
NM ROSWELL	77	50	86	44	64	-1	T	-.2	T	.6	33	1.4	56	93	29	0	0	0	0	0
NY ALBANY	72	42	80	34	57	3	.2	-.5	.1	5.7	93	11.1	118	79	27	0	0	2	0	0
NY BINGHAMTON	69	46	89	40	58	6	.4	-.4	.4	5.6	80	11.4	107	80	33	0	0	3	0	0
NY BUFFALO	70	46	83	39	58	7	.7	0	.4	5.6	78	13.8	119	81	40	0	0	2	0	0
NY NEW YORK	73	53	78	50	63	5	T	-.8	T	6.5	75	13.5	101	72	29	0	0	0	0	0
NY ROCHESTER	73	47	87	38	60	7	.7	-.1	.7	4.1	68	9.3	92	78	35	0	0	2	1	0
NY SYRACUSE	71	45	85	38	58	4	.5	-.2	.5	5.4	76	9.8	84	88	42	0	0	2	0	0
NC ASHEVILLE	77	47	81	41	62	1	.3	-.4	.2	5.7	62	18.2	121	100	36	0	0	2	0	0
NC CHARLOTTE	79	56	84	51	68	1	.2	-.5	.1	5.6	63	14.8	99	86	35	0	0	2	0	0
NC GREENSBORO	78	52	84	46	65	1	.3	-.3	.3	5.5	72	13.0	98	79	38	0	0	2	0	0
NC HATTERAS	74	55	80	47	65	0	T	-.6	T	11.8	153	24.7	165	99	52	0	0	1	0	0
NC NEW BERN	83	56	90	47	70	2	.3	-.6	.1	5.8	67	17.2	113	88	35	1	0	3	0	0
NC RALEIGH	80	51	88	45	66	1	T	-.7	T	6.5	88	14.8	113	84	33	0	0	1	0	0
NC WILMINGTON	79	54	88	46	66	-2	T	-.7	T	5.7	70	17.9	132	88	40	0	0	2	0	0
ND BISMARCK	67	39	85	29	53	2	T	-.4	T	1.7	65	3.0	94	65	27	0	2	0	0	0
ND FARGO	71	42	87	28	56	6	T	-.5	T	1.7	47	3.5	88	62	24	0	3	0	0	0

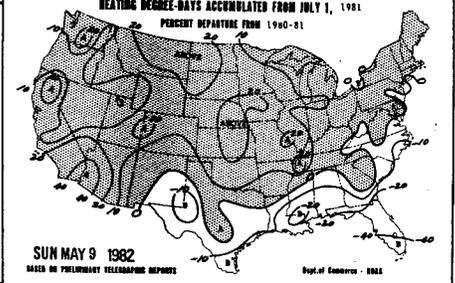
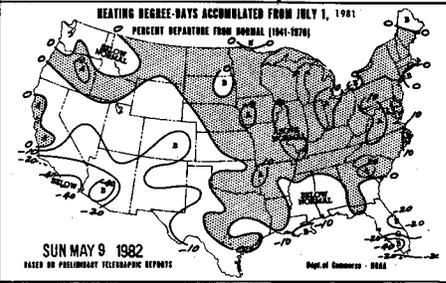
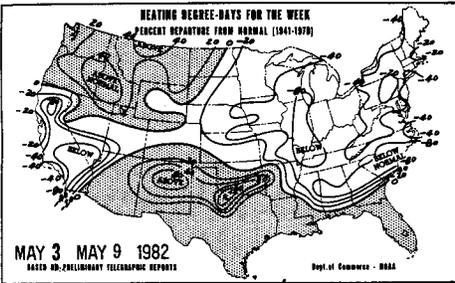
Weather Data for the Week Ending May 8, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	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	78	49	86	43	63	5	.7	-.2	.5	8.6	109	16.2	134	72	32	0	0	2	1
TOLEDO	76	47	87	41	62	7	.4	-.4	.4	5.8	92	10.2	111	79	34	0	0	1	0
YOUNGSTOWN	74	48	85	41	61	6	.7	-.2	.5	4.8	61	10.7	88	71	30	0	0	2	1
OK OKLAHOMA CITY	76	54	84	41	65	-1	1.8	-.7	1.7	5.3	79	10.0	120	85	46	0	0	2	1
TULSA	79	56	87	44	68	2	1.3	-.1	.8	3.6	44	7.9	77	85	43	0	0	2	1
OR ASTORIA	58	43	63	35	50	-1	.3	-.4	.2	14.4	115	38.8	139	88	56	0	0	4	0
BURNS	58	30	69	22	44	-6	T	-.2	T	1.5	75	4.3	91	1	1	5	1	0	
MEDFORD	71	38	79	32	54	-1	0	.3	0	2.9	91	8.1	96	83	30	0	1	0	0
PENDLETON	63	41	73	34	52	-4	.3	0	.3	2.4	96	4.7	100	66	29	0	0	1	0
PORTLAND	63	43	74	37	53	-1	.2	-.3	.1	6.5	97	18.7	121	92	47	0	0	3	0
SALEM	63	38	75	29	51	-3	.3	-.2	.2	7.2	95	19.1	106	86	41	0	1	2	0
PA ALLENTOWN	71	46	77	42	59	2	T	-.9	T	6.6	78	13.2	100	88	36	0	0	1	0
ERIE	70	46	84	34	58	7	.9	-.1	.7	5.9	84	11.2	106	67	35	0	0	2	1
HARRISBURG	71	45	81	39	58	-2	.5	-.4	.5	7.0	91	12.5	107	89	35	0	0	0	0
PHILADELPHIA	75	53	86	51	64	4	T	-.7	T	8.7	112	16.3	137	79	24	0	0	2	1
PITTSBURGH	74	45	85	38	59	3	.8	0	.6	5.4	68	12.1	102	67	27	0	0	2	1
SCRANTON	70	46	85	40	58	3	.1	-.7	.1	5.8	91	11.1	118	69	36	0	0	1	0
RI PROVIDENCE	68	45	79	44	57	3	.2	-.6	.2	7.3	84	16.8	117	75	31	0	0	3	0
SC CHARLESTON	80	56	81	52	68	-2	.7	0	.7	9.5	113	15.0	113	94	40	0	0	1	1
COLUMBIA	82	53	84	46	68	-2	T	-.7	T	8.2	88	16.3	107	96	36	0	0	0	0
FLORENCE	81	55	85	50	68	-1	T	-.6	T	4.3	51	13.5	101	87	34	0	0	0	0
GREENVILLE	78	54	82	48	66	0	.1	-.6	.1	7.7	70	19.1	106	89	38	0	0	1	0
SD ABERDEEN	71	44	88	27	58	6	---	---	---	---	---	---	---	73	26	0	1	0	0
HURON	73	43	86	36	58	5	T	.5	T	2.9	81	4.5	105	64	28	0	0	0	0
RAPID CITY	68	39	84	30	54	2	.2	-.4	.2	2.4	60	3.2	71	76	26	0	1	1	0
SIoux FALLS	72	44	84	33	58	4	.7	0	.5	3.8	83	4.6	81	80	35	0	0	3	1
TN CHATTANOOGA	78	51	84	46	65	-1	.9	-.1	.9	10.2	91	24.4	120	91	33	0	0	1	1
KNOXVILLE	77	50	82	45	64	-2	.5	-.3	.5	10.1	103	21.1	119	94	44	0	0	1	1
MEMPHIS	81	60	86	51	70	2	.7	-.4	.6	12.0	99	24.1	121	86	45	0	0	2	1
NASHVILLE	79	51	85	46	65	-1	2.1	1.2	2.1	9.4	93	20.7	116	96	36	0	0	1	1
TX ABILENE	77	56	84	40	67	-3	1.0	-.1	1.0	2.5	54	4.7	77	84	45	0	0	2	1
AMARILLO	77	43	86	35	60	-2	T	-.5	T	.8	33	1.5	48	94	31	0	0	1	0
AUSTIN	81	59	85	50	70	-3	.9	0	.9	7.0	108	8.7	84	89	45	0	0	2	1
BEAUMONT	82	61	85	54	72	-1	3.1	2.0	2.5	13.1	151	18.7	118	95	50	0	0	2	2
BROWNSVILLE	84	69	88	66	77	-2	.3	-.2	.2	4.1	171	4.9	100	88	54	0	0	1	0
CORPUS CHRISTI	80	63	84	57	71	-5	.6	-.1	.6	2.1	51	10.3	143	97	64	0	0	1	1
DEL RIO	80	59	84	50	69	-7	1.0	-.5	1.0	1.7	55	4.3	96	86	50	0	0	0	1
EL PASO	79	50	88	44	64	-5	.1	-.1	.1	.1	14	1.0	71	80	23	0	0	1	0
FORT WORTH	77	57	85	49	67	-2	1.8	-.7	1.2	6.3	77	10.5	94	90	50	0	0	3	1
GALVESTON	77	66	81	61	72	-2	1.9	1.3	1.8	5.2	85	10.6	100	91	63	0	0	2	1
HOUSTON	82	58	86	47	70	-4	1.5	-.4	1.5	5.5	72	8.9	65	92	46	0	0	1	1
LUBBOCK	75	50	86	42	63	-3	.9	.3	.7	4.0	143	4.4	122	93	47	0	0	4	1
MIDLAND	77	53	85	43	65	-4	1.6	1.2	1.0	3.0	167	3.6	133	91	45	0	0	3	2
SAN ANGELO	76	50	82	37	63	-9	1.1	-.6	1.1	2.4	77	5.0	109	97	47	0	0	2	1
SAN ANTONIO	80	58	84	47	69	-5	3.5	2.9	3.5	5.8	121	7.8	100	93	48	0	0	2	1
VICTORIA	81	61	85	53	71	-4	2.6	1.7	2.6	4.2	75	10.0	111	92	53	0	0	1	1
WACO	79	58	84	48	69	-3	.7	-.4	.7	7.0	90	10.3	94	93	52	0	0	1	1
WICHITA FALLS	76	52	85	41	64	-6	2.9	1.9	2.8	8.4	142	11.0	153	98	57	0	0	3	1
UT BLANDING	69	39	74	35	54	0	.1	-.1	.1	1.8	90	3.3	89	76	31	0	0	1	0
CEDAR CITY	69	42	75	30	56	3	.1	-.1	.1	2.4	104	6.0	171	63	24	0	1	2	0
SALT LAKE CITY	66	46	78	33	56	1	.1	-.3	.1	3.9	95	5.5	90	64	26	0	0	2	0
VT BURLINGTON	72	45	83	37	59	8	.1	-.6	.1	4.6	85	8.9	109	84	32	0	0	1	0
VA NORFOLK	76	54	83	46	65	1	T	-.7	T	4.8	71	13.9	111	85	31	0	0	0	0
RICHMOND	81	52	89	48	67	3	.1	-.6	.1	6.9	97	14.0	116	91	29	0	0	1	0
ROANOKE	75	47	81	39	61	0	.1	-.7	T	4.6	64	13.0	107	84	35	0	0	2	0
WA COLVILLE	61	36	66	26	48	-4	.2	-.1	.1	3.4	136	7.5	132	74	40	0	2	3	0
QUILLAYUTE	56	40	60	34	48	-1	.9	-.4	.5	21.3	101	60.8	138	97	54	0	0	5	0
SEATTLE-TACOMA	59	43	67	39	51	-2	.4	0	.2	6.6	97	19.3	122	80	44	0	0	3	0
SPOKANE	61	36	71	28	48	-4	T	-.3	T	3.7	123	7.0	104	75	30	0	0	0	1
YAKIMA	66	39	76	28	52	-3	T	-.1	T	.9	82	2.7	87	67	24	0	3	0	0
BECKLEY	72	46	79	40	59	3	.4	-.4	.3	4.9	56	11.4	78	84	35	0	0	3	0
CHARLESTON	80	47	89	40	63	2	.3	-.5	.3	6.4	76	13.5	97	85	26	0	0	2	0
HUNTINGTON	79	48	87	45	63	2	.2	-.7	.1	6.3	74	13.0	96	84	27	0	0	2	0
PARKERSBURG	77	47	84	39	62	2	.5	-.4	.4	8.0	95	10.3	72	80	24	0	0	2	0
WI GREEN BAY	71	45	80	37	58	7	.2	-.5	.1	5.2	106	6.8	105	86	44	0	0	2	0
LA CROSSE	71	46	81	41	59	3	2.2	1.5	1.2	4.8	84	6.3	91	97	49	0	0	3	2
MADISON	76	45	80	38	61	8	1.6	.9	1.4	7.1	131	8.6	125	89	42	0	0	3	1
MILWAUKEE	72	48	82	40	60	9	.1	-.5	.1	7.5	132	11.0	141	67	31	0	0	2	0
WAUSAU	68	45	79	39	57	6	1.3	-.6	1.0	7.8	156	9.7	143	88	43	0	0	3	1
WY CASPER	65	36	80	23	50	1	.2	-.3	.2	2.0	67	2.9	81	63	23	0	2	1	0
CHEYENNE	64	36	76	25	50	1	.1	-.4	T	.7	23	1.4	38	73	27	0	3	2	0
LANDER	66	38	77	27	52	2	.1	-.6	.1	1.3	30	1.9	38	49	17	0	2	1	0
SHERIDAN	66	36	85	26	51	0	T	-.5	T	1.9	51	3.0	64	71	26	0	3	0	0
PR SAN JUAN	87	74	95	74	81	2	1.6	.3	.9	4.3	62	12.9	106	92	58	2	0	4	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAY. 9, 1982.
BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1981

Table with 15 columns: STATES AND STATIONS, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +, STATES AND STATIONS, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +, STATES AND STATIONS, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +. Rows list various states and cities with their respective heating degree day data.



April Weather and Crop Summary

Nearly all of the Nation was cooler than normal. Average temperatures for April were 4 to 6 degrees cooler than normal through the central and upper Mississippi Valley, the Tennessee Valley, the Ohio Valley, the western Great Lakes region, and parts of the Pacific Northwest. Cool weather slowed crop development in southern areas and delayed early planting elsewhere. Well-above-normal precipitation in the Southeast delayed fieldwork and crop development. Dry weather in parts of western Texas, Oklahoma, Kansas, and eastern Colorado stressed winter wheat.

An intense low-pressure system that deepened in the central Plains and moved east-northeastward dominated the first three days of April. The storm moved through the western Great Lakes region, breaking low-pressure records. Severe weather, including tornadoes, hail, and heavy rain accompanied the trailing cold front as it moved through the East.

FIRST WEEK...Another late winter storm moved from the central Plains through the Northeast. Severe weather was not so widespread as with the previous storm, but moderate rain spread through the Ohio Valley and the northeast. Unseasonably cold weather plunged southward behind the storm and carried freezing temperatures deep into the Southeast, threatening fruit trees from Virginia to Georgia and Alabama. Late in the week, moderate to heavy rain accompanied thunderstorms in the Southeast.

SECOND WEEK...Storm centers stayed well to the north, allowing a general warming trend over much of the Nation. Early in the week, high winds accompanied showers and thunderstorms in northern California where heavy rain caused local flooding. Frequent severe weather moved through the Mississippi Valley, and the Northeast reported a few thunderstorms. At the end of the week, a cold outbreak pushed over the Plains, and freezing temperatures reached the Texas Panhandle.

THIRD WEEK...Cool weather over the Pacific Northwest gradually spread over the Plateau to the southern Plains. Freezing temperatures reached the coast of the Pacific Northwest, but damage to blooming fruit trees was minor. Moist air flow from the Gulf of Mexico triggered showers and thunderstorms from central Texas through the Southeast. Some heavy downpours caused local flooding from central Texas to Alabama and in southern Florida. Persistent rain in the South delayed fieldwork.

FOURTH WEEK...A complex frontal system moved slowly eastward from the Plains and spread precipitation from the Mississippi River Valley to the east coast. Thunderstorms across the South poured heavy rain and some hail from Arkansas to Georgia. Only light rain fell through the midwest and the northern Plains. Spring planting and other fieldwork advanced rapidly. Late in the week, a series of weather systems moving through the southern Rockies triggered showers over the High Plains from western Texas to Wyoming.

(Cont. from page 1)

FRIDAY...The cold front continued its trek eastward to western New York, down the Appalachians, and through Georgia to the Gulf of Mexico. Showers were close together and thunderstorms were occasionally accompanied by tornadoes or hail along and ahead of the front. Warm weather ahead of the front brought temperatures in the eighties to New England. Another disturbance, moving into the northern Plains, triggered showers in Montana and ahead of the storm in Iowa.

Rainshowers, mixed with snow, fell in parts of Colorado and Wyoming. The precipitation was timely in the very dry portions of winter wheat growing areas.

APRIL FIELDWORK

Untimely rains and wet fields slowed land preparation and spring planting during most of April. Clear weather throughout the Corn Belt during the last week of the month allowed fields to dry further and permitted farmers to make up for time lost in previous weeks. However, in the Southeast, continued wet conditions kept fieldwork in check, wiping out some of the earlier leads in planting progress and promoting plant diseases. Much-needed rain fell in the central and southern Plains at the end of April, providing moisture for winter wheat which was in the peak water-use stage.

Corn planting was active in the South at the beginning of April and got underway in the Corn Belt during the last week of the month--slightly later than normal. Although planting in the Corn Belt got off to a slow start because of wet conditions, farmers were able to make rapid progress during the last week of April. By May 2, 20% of the acreage had been seeded in the 17 major producing States, only 2 points behind both last year and average. Planting was underway in all States except Michigan and South Dakota.

Cotton planting advanced to 27% complete by May 2, well behind last year's rapid pace of 45% completion. California planting was 90% finished, and Arizona was 80% complete. Planting was underway in all States except Oklahoma where producers normally begin planting at a later date. Progress lagged the average in all major States due to the late, wet spring. Early planted cotton in the Lower Valley of Texas was starting to square.

Spring wheat was 30% seeded by May 2, 19 points behind average and 45 points later than last year's rapid pace. Planting was behind schedule in all States except Idaho because of the late spring and wet field conditions.

Grain sorghum planting moved northward into Missouri and Oklahoma, although most activity centered in southern areas. Planting in Texas was 66% finished by May 2, 4 points behind average.

Rice seeding reached 38% completion, 29 points slower than a year earlier. Progress was behind normal in all areas. Arkansas producers lagged the average for the State by 35 points. Mississippi growers were 24 points behind that State's average. Heavy rains and wet fields delayed activities in these areas, and progress fell behind schedule. Rice had emerged on 27% of the acreage by May 2, compared with 42% last year.

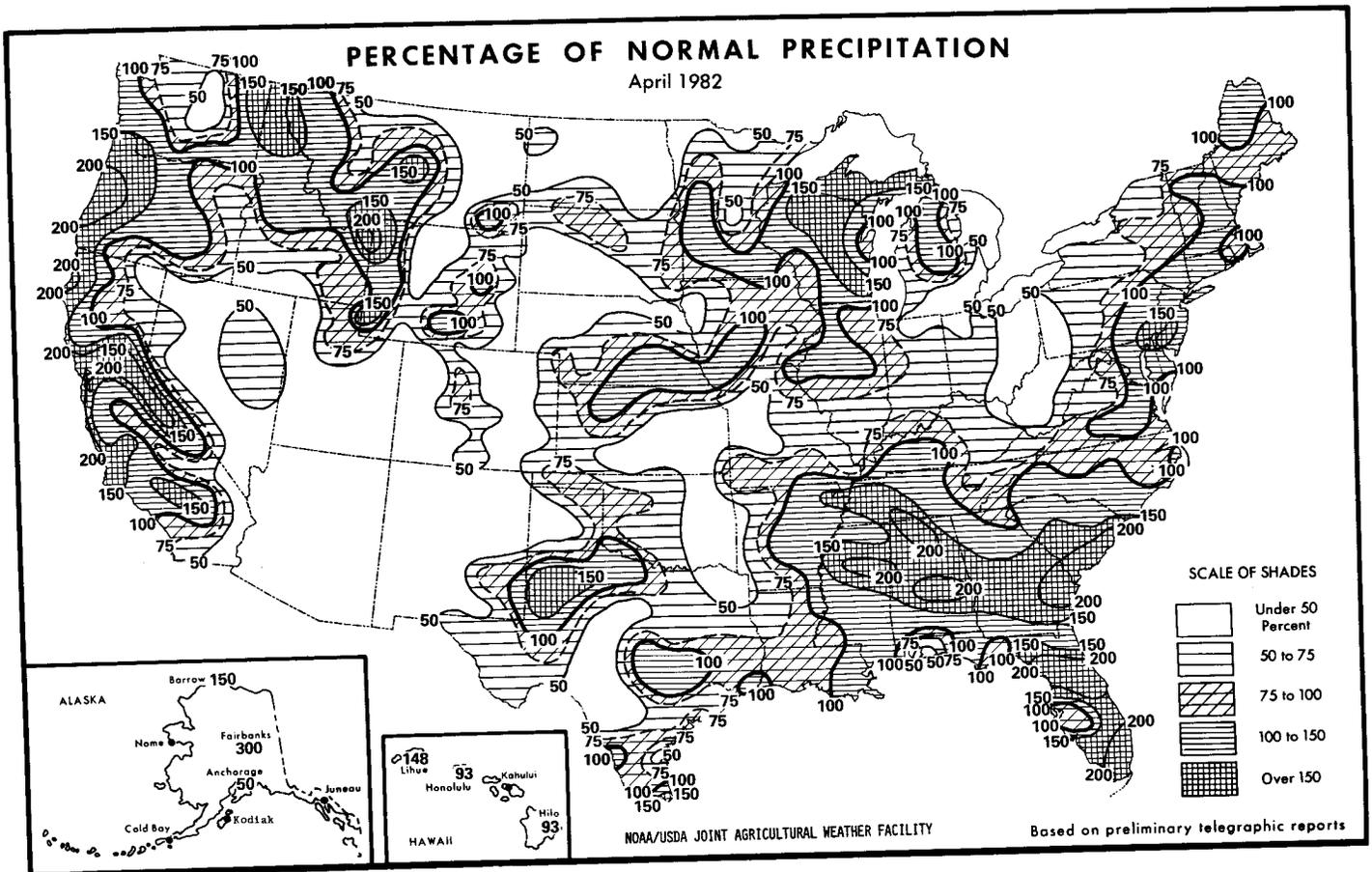
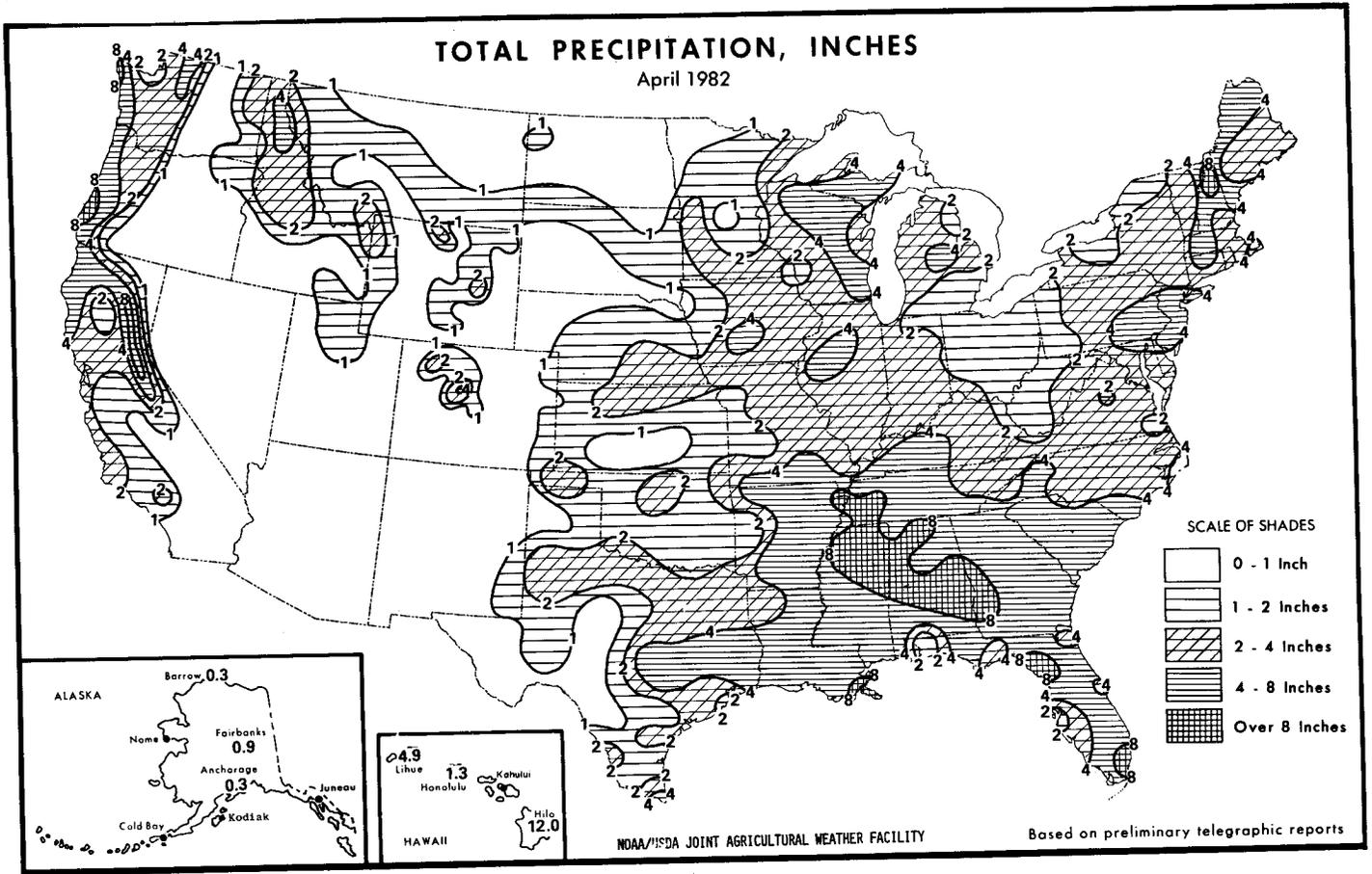
Soybean seeding was just getting underway at the end of April. Georgia producers had seeded 4% of the acreage by May 2.

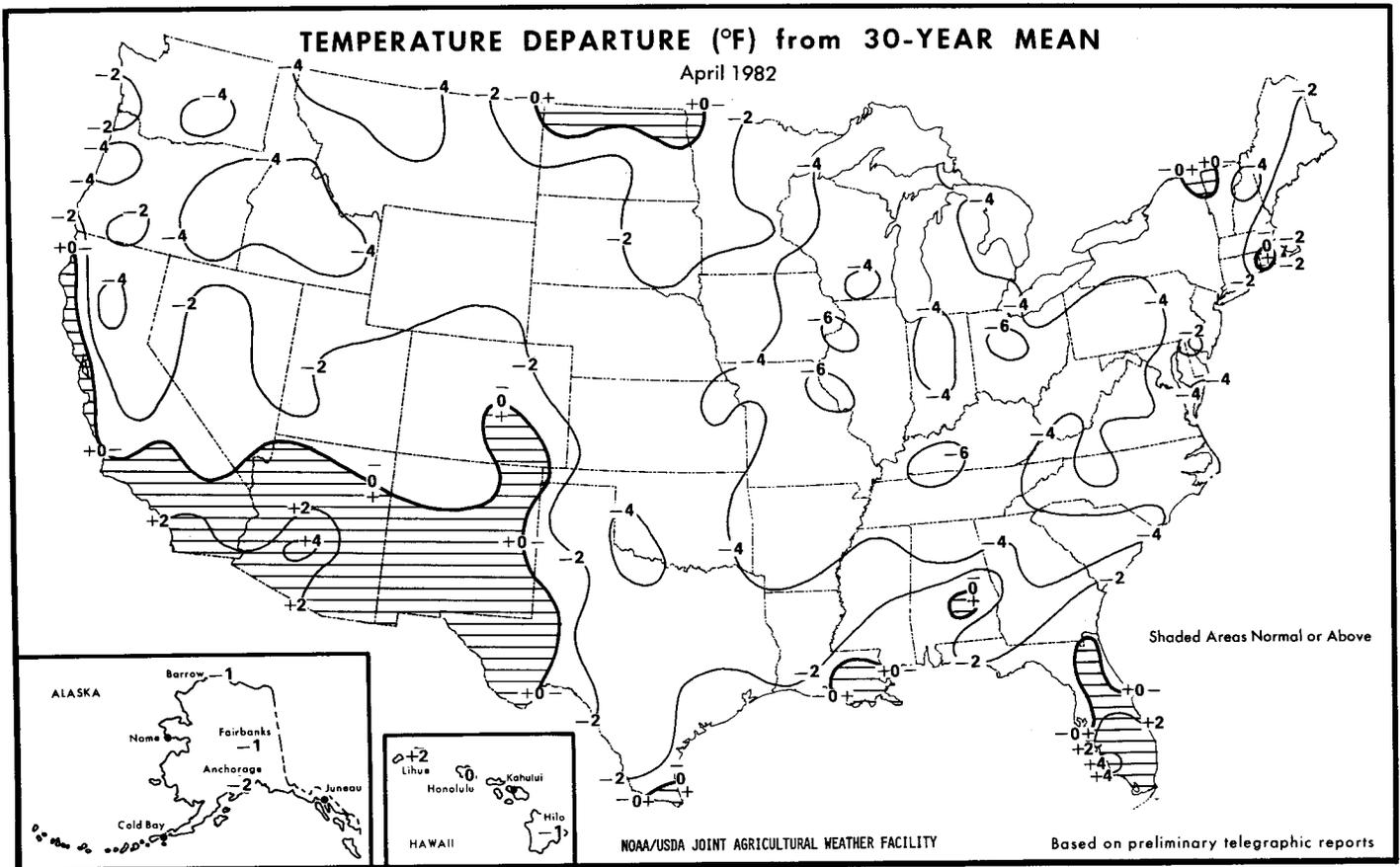
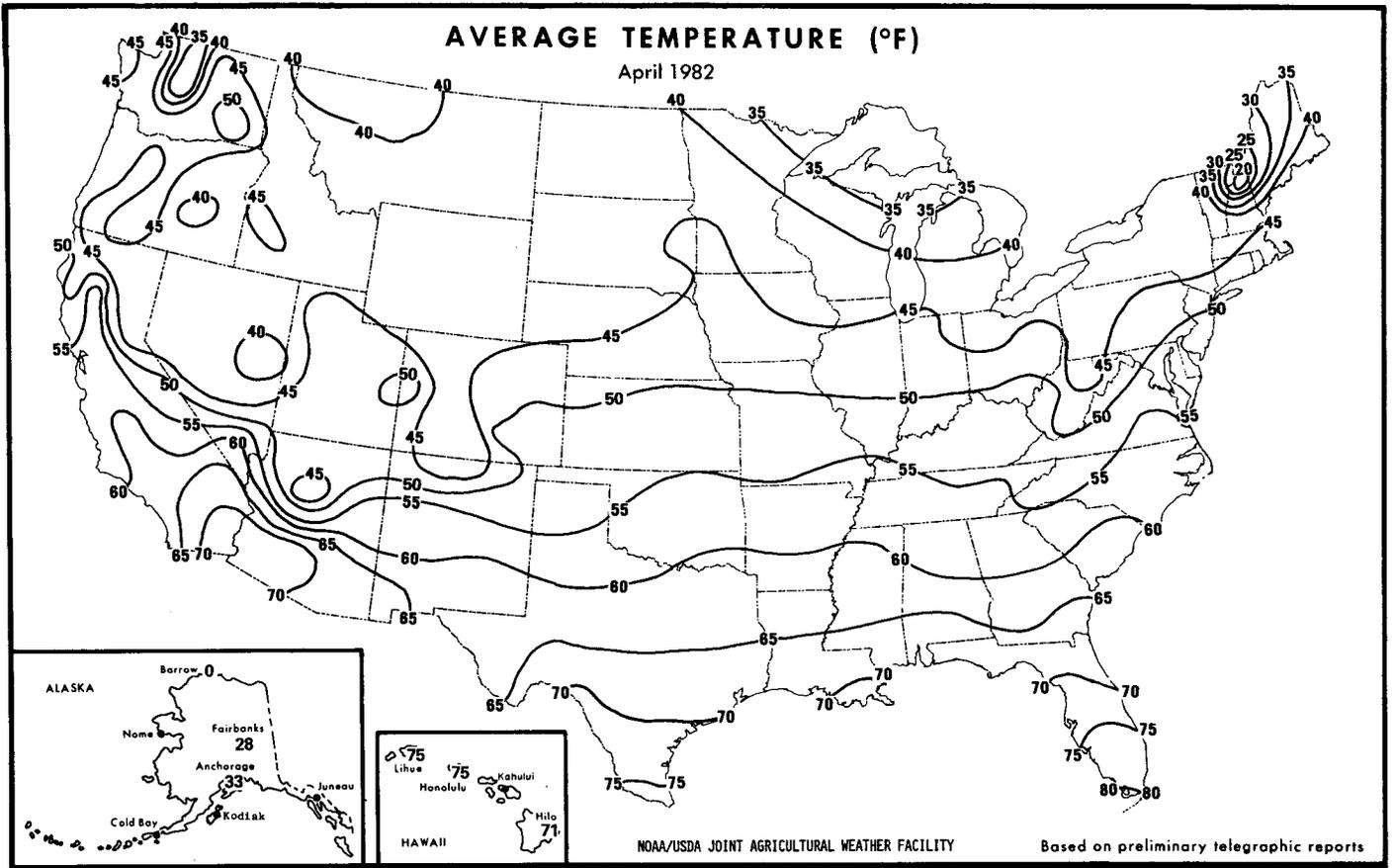
SATURDAY...Showers and thunderstorms moved slowly from the Appalachians to the Atlantic Ocean and into Florida. The showers were heaviest through the Northeast, but severe weather or heavy rain was scarce as the front moved into the Atlantic. Cooler weather spread over most of the Nation, and showers in the northern Plains, Rockies, and Northwest were in the form of snow during the early morning.

Temperature and Precipitation Data for April 1982

Temperature and Precipitation Data for April 1982				Temperature and Precipitation Data for April 1982				Temperature and Precipitation Data for April 1982									
States and Stations		Temperature OF		Precipitation Inches		States and Stations		Temperature OF		Precipitation Inches		States and Stations		Temperature OF		Precipitation Inches	
Average	Departure	Total	Departure	Average	Departure	Total	Departure	Average	Departure	Total	Departure	Average	Departure	Total	Departure		
AL BIRMINGHAM	59	- 4	6.9	2.3	LA BATON ROUGE	68	0	4.6	- .5	OK TOLEDO	43	- 5	1.5	- 1.5			
MOBILE	67	- 1	4.5	- 1.1	LAKE CHARLES	66	- 3	4.1	- .2	YOUNGSTOWN	44	- 4	1.0	- 2.7			
MONTGOMERY	65	0	9.0	4.4	NEW ORLEANS	70	1	5.9	1.7	OK OKLAHOMA CITY	57	- 3	1.9	- 1.6			
AK ANCHORAGE	33	- 2	.3	.3	SHREVEPORT	63	- 3	2.7	- 2.5	TULSA	59	- 2	1.3	- 2.9			
BARROW	0	- 1	.3	.1	ME CARIBOU	35	- 2	4.0	1.6	OR ASTORIA	47	- 1	6.5	1.9			
FAIRBANKS	28	1	.9	.6	PORTLAND	42	- 1	4.5	1.2	BURNS	39	- 5	.9	-.2			
JUNEAU	--	--	--	--	MD BALTIMORE	51	- 3	3.6	.5	MEDFORD	49	- 1	.9	-.1			
KODIAK	--	--	--	--	MA BOSTON	48	- 1	3.4	-.1	PENDLETON	48	- 3	.8	-.2			
NOME	12	- 7	.7	.0	CHATHAM	43	- 4	4.1	.5	PORTLAND	49	- 2	3.6	1.4			
AZ FLAGSTAFF	44	2	.3	- 1.0	MI ALPENA	38	- 2	1.6	-.8	SALEM	46	- 4	3.8	1.5			
PHOENIX	73	5	T	.3	DETROIT	43	- 5	1.6	- 1.6	PA ALLENTOWN	47	- 3	4.7	.9			
TUCSON	66	0	-.1	-.3	FLINT	43	- 3	1.2	- 1.7	ERIE	43	- 2	1.8	- 1.8			
WINSLOW	55	1	-.1	-.3	GRAND RAPIDS	42	- 5	2.1	- 1.3	HARRISBURG	48	- 5	4.2	1.2			
YUMA	73	2	0	-.1	HOUGHTON LAKE	37	- 5	2.5	-.1	PHILADELPHIA	50	- 3	6.1	2.8			
AR FORT SMITH	57	- 5	1.3	- 3.4	LANSING	42	- 5	1.1	- 1.8	PITTSBURGH	45	- 5	1.4	- 2.0			
LITTLE ROCK	58	- 5	7.5	2.1	MUSKOGEE	33	- 4	4.5	1.6	SCRANTON	46	- 3	3.5	-.1			
CA BAKERSFIELD	64	1	1.1	.2	SAULT STE. MARIE	40	- 5	2.3	-.9	RI PROVIDENCE	48	1	3.6	-.1			
EUREKA	51	1	6.0	3.0	MT DULUTH	32	- 6	3.8	1.6	SC CHARLESTON	62	- 3	6.5	3.5			
FRESNO	58	- 2	.9	-.3	INT'L FALLS	36	- 3	2.1	-.5	COLUMBIA	60	- 4	6.4	2.9			
LOS ANGELES	60	1	1.6	.5	MINNEAPOLIS	35	- 3	.8	-.9	GREENVILLE	57	- 4	4.6	.3			
RED BLUFF	56	- 4	1.5	-.3	ROCHESTER	44	- 1	1.6	-.4	SD ABERDEEN	--	--	--	--			
SAN DIEGO	64	3	.6	-.2	SAINT CLOUD	41	- 4	3.1	-.7	HURON	45	- 1	1.3	-.7			
SAN FRANCISCO	55	0	3.3	1.7	MS JACKSON	64	- 2	1.0	- 1.3	RAPID CITY	42	- 3	.7	- 1.4			
STOCKTON	57	- 2	1.6	-.2	MERIDIAN	64	- 1	6.5	1.4	STIOUX FALLS	44	- 2	1.9	-.4			
CO DENVER	47	- 1	.3	- 1.6	MO COLUMBIA	51	- 4	2.5	- 1.3	TN CHATTANOOGA	56	- 4	4.5	-.1			
GRAND JUNCTION	51	- 1	-.1	-.7	KANSAS CITY	51	- 3	1.6	- 1.9	KNOXVILLE	55	- 5	3.3	-.3			
PUEBLO	53	1	-.1	- 1.2	SAINT LOUIS	52	- 5	2.6	- 1.3	MEMPHIS	59	- 4	6.8	1.4			
CT BRIDGEPORT	46	- 2	3.8	.4	SPRINGFIELD	53	- 4	3.4	-.9	NASHVILLE	55	- 5	4.4	.3			
HARTFORD	46	- 2	4.1	.3	MT BILLINGS	43	- 2	1.5	-.1	TX ABILENE	63	- 2	.4	- 2.1			
DC WASHINGTON	54	- 2	3.2	.3	GLASGOW	41	- 2	.2	-.5	AMARILLO	54	- 3	.4	-.8			
FL APALACHICOLA	67	- 1	3.3	-.3	GREAT FALLS	38	- 5	1.0	-.2	AUSTIN	67	- 2	4.2	.7			
DAYTONA BEACH	69	- 1	6.0	3.6	HAVE	39	- 4	.5	-.5	BEAUMONT	68	- 1	5.6	1.4			
FORT MYERS	77	4	3.9	1.9	HELENA	41	- 2	.5	-.4	BROWNSVILLE	76	1	4.1	2.8			
JACKSONVILLE	68	0	3.6	.5	KALISPELL	38	- 4	1.3	.3	CORPUS CHRISTI	71	- 2	1.0	- 1.2			
KEY WEST	81	3	1.7	-.5	MILES CITY	42	- 3	.5	-.8	DEL RIO	71	- 1	.5	- 1.1			
MIAMI	78	3	9.3	5.7	MISSOULA	42	- 2	1.3	.3	EL PASO	64	0	.1	-.1			
ORLANDO	73	2	6.3	3.6	NE GRAND ISLAND	47	- 3	3.2	.7	FORT WORTH	63	- 2	2.7	- 1.6			
TALLAHASSEE	67	- 1	3.8	-.3	LINCOLN	48	- 3	3.3	-.7	GALVESTON	68	- 1	1.8	-.8			
TAMPA	71	- 1	1.9	-.2	NORFOLK	47	- 2	1.5	-.7	HOUSTON	68	- 1	2.3	- 1.2			
WEST PALM BEACH	76	2	7.7	4.2	NORTH PLATTE	45	- 3	1.4	-.5	LUBBOCK	59	- 1	2.5	1.4			
GA ATLANTA	58	- 3	6.0	1.4	OMAHA	48	- 2	1.8	- 1.0	MIDLAND	64	0	1.1	-.2			
AUGUSTA	59	- 5	5.2	1.8	VALENTINE	43	- 3	.7	- 1.1	SAN ANGELO	64	- 3	.8	-.9			
MACON	62	- 4	6.9	3.3	NV ELY	39	- 2	.7	-.3	SAN ANTONIO	67	- 3	1.2	- 1.3			
SAVANNAH	65	- 1	6.3	3.4	LAS VEGAS	64	0	T	-.3	VICTORIA	70	- 1	1.4	- 1.3			
HI HILO	71	- 1	12.0	-.9	RENO	44	- 3	.3	-.2	WACO	64	- 3	2.5	- 1.5			
HONOLULU	75	0	1.3	-.1	WINNEMUCCA	44	- 1	.3	-.4	WICHITA FALLS	59	- 5	3.4	-.2			
KAHULUI	--	--	--	--	NH CONCORD	42	- 2	3.1	.2	UT BLANDING	46	- 1	.2	-.7			
LIHUE	75	2	4.9	1.6	NJ ATLANTIC CITY	50	- 2	3.9	.5	SALT LAKE CITY	47	- 2	1.6	-.5			
BOISE	45	- 4	.8	-.3	NM ALBUQUERQUE	56	0	.1	-.4	VT BURLINGTON	43	0	2.6	.0			
LEWISTON	48	- 2	1.1	.0	ROSWELL	61	1	.4	-.1	VA LYNCHBURG	54	- 3	3.3	.6			
POCATELLO	41	- 4	1.0	-.1	ALBANY	44	- 3	2.5	-.2	NORFOLK	55	- 3	1.7	- 1.0			
IL CAIRO	56	- 4	3.1	- 1.3	BINGHAMTON	42	- 3	2.3	-.9	RICHMOND	56	- 2	3.0	-.2			
CHICAGO	45	- 4	2.8	-.6	BUFFALO	42	- 3	2.3	-.9	ROANOKE	51	- 5	2.0	-.8			
MOLINE	45	- 6	3.3	-.5	NEW YORK	50	- 2	4.1	.5	WA COLVILLE	44	- 3	1.3	.3			
PEORIA	47	- 4	5.4	1.0	ROCHESTER	43	- 3	1.6	- 1.1	OMAK	47	- 2	-.2	-.8			
ROCKFORD	44	- 4	3.5	-.4	SYRACUSE	44	- 3	1.7	- 1.4	QUILLAYUTE	43	- 3	9.7	1.5			
SPRINGFIELD	48	- 5	3.4	-.7	NC ASHEVILLE	54	- 2	3.6	-.1	SEATTLE-TACOMA	47	- 2	2.1	-.4			
IN EVANSVILLE	52	- 5	3.2	-.9	CHARLOTTE	58	- 3	3.8	-.4	SPOKANE	44	- 2	2.2	1.1			
FORT WAYNE	44	- 5	2.8	-.8	GREENSBORO	55	- 4	2.7	-.5	WALLA-WALLA	50	- 3	1.6	-.2			
INDIANAPOLIS	49	- 3	2.4	- 1.5	HATTERAS	57	- 2	5.9	2.8	YAKIMA	46	- 4	.3	-.2			
SOUTH BEND	45	- 3	1.5	- 2.5	RALEIGH	57	- 3	3.3	.2	BECKLEY	49	- 3	1.4	- 1.9			
IA BURLINGTON	47	- 4	3.9	.1	WILMINGTON	59	- 4	4.0	1.1	CHARLESTON	52	- 4	1.1	- 2.2			
DES MOINES	47	- 3	5.0	2.1	BISMARCK	40	- 3	.8	-.6	HUNTINGTON	51	- 5	1.5	- 1.8			
DUBUQUE	--	--	--	--	FARGO	41	- 1	.5	- 1.6	PARKERSBURG	--	--	--	--			
SIOUX CITY	47	- 2	.6	- 1.6	WILLISTON	42	0	1.0	-.2	WI GREEN BAY	40	- 4	2.7	.0			
KS CONCORDIA	50	- 3	2.1	-.2	AKRON-CANTON	45	- 4	1.2	- 2.1	LA CROSSE	44	- 4	1.6	- 1.0			
LODGE CITY	52	- 2	.7	- 1.0	CINCINNATI	50	- 4	2.2	- 1.4	MADISON	42	- 3	3.3	.6			
GOODLAND	47	- 2	.9	-.5	CLEVELAND	45	- 3	1.6	- 1.9	MILWAUKEE	41	- 4	4.5	1.7			
TOPEKA	50	- 5	1.6	- 2.0	COLUMBUS	46	- 5	1.9	- 1.8	CASPER	41	- 2	1.3	-.2			
WICHITA	54	- 3	.7	- 2.3	DAYTON	47	- 4	2.0	- 1.3	CHEYENNE	42	- 1	.5	- 1.1			
KY LEXINGTON	51	- 4	2.2	- 1.7						LANDER	41	- 2	.8	- 1.6			
LOUISVILLE	51	- 5	3.1	- 1.0						SHERIDAN	42	- 2	.9	- 1.2			
										PR SAN JUAN	80	2	1.0	- 2.4			

Based on 1941-70 normals





Heating Degree Days (Base 65° F.)

April 1982

ALA. Birmingham	192	MAINE, Caribou	890	OKLA. Okla. City	248
Mobile	48	Portland	684	Tulsa	207
Montgomery	76	MD. Baltimore	422	OREG. Astoria	538
ALASKA, Anchorage	--	MASS. Boston	496	Burns	770
Barrow	1983	Chatham	--	Medford	479
Fairbanks	1113	MICH. Alpena	819	Pendleton	515
Juneau	--	Detroit	647	Portland	472
Nome	--	Flint	648	Salem	568
ARIZ. Flagstaff	639	Grand Rapids	689	PA. Allentown	528
Phoenix	4	Houghton Lake	825	Erie	672
Tucson	46	Lansing	696	Harrisburg	518
Winslow	294	Marquette	960	Philadelphia	442
Yuma	5	S. Ste. Marie	991	Pittsburgh	586
ARK. Fort Smith	270	MINN. Duluth	875	Scranton	554
Little Rock	237	Internatl Falls	882	R. I. Providence	510
CALIF. Bakersfield	109	Minneapolis	629	S. C. Charleston	132
Eureka U.	419	Rochester	718	Columbia	179
Fresno	217	St. Cloud	717	Greenville	249
Los Angeles	147	MISS. Jackson	123	S. DAK. Aberdeen	--
Red Bluff	282	Meridian	108	Huron	609
Stockton	228	MO. Columbia	416	Rapid City	682
San Diego	64	Kansas City	416	Sioux Falls	632
San Francisco	309	St. Louis	407	TENN. Chattanooga	275
COLO. Denver	522	Springfield	367	Knoxville	295
Grand Junction	405	Springfield	666	Memphis	215
Pueblo	--	MONT. Billings	728	Nashville	309
CONN. Bridgeport	556	Glasgow	806	TEX. Abilene	149
Hartford	569	Great Falls	764	Amarillo	340
D. C. Washington	328	Havre	726	Austin	81
FLA. Apalachicola	50	Helena	726	Beaumont	59
Ft. Myers	0	Kalispell	797	Brownsville	17
Jacksonville	42	Miles City	--	Corpus Christi	40
Key West	0	Missoula	698	Dallas	--
Lakeland	--	NEBR. Grand Island	357	Del Rio	42
Miami	0	Lincoln	501	El Paso	82
Orlando	7	Norfolk	537	Fort Worth	140
W. Palm Beach	0	North Platte	601	Galveston	51
Tallahassee	50	Omaha	512	Houston	79
Tampa	8	Valentine	660	Lubbock	198
GA. Atlanta	204	NEV. Ely	778	Midland	112
Augusta	206	Las Vegas	98	San Angelo	124
Macon	129	Reno	623	San Antonio	77
Savannah	76	Winnemucca	610	Victoria	47
IDAHO, Boise	586	N. H. Concord	695	Waco	103
Lewiston	514	N. J. Atlantic City	448	Wichita Falls	220
Pocatello	703	Trenton	--	UTAH, Milford	--
ILL. Cairo	278	N. MEX. Albuquerque	268	Salt Lake City	548
Chicago	608	Roswell	160	VT. Burlington	643
Moline	604	N. Y. Albany	617	VA. Lynchburg	331
Peoria	548	Binghamton	679	Norfolk	303
Rockford	623	Buffalo	698	Richmond	280
Springfield	502	New York	444	Roanoke	421
IND. Evansville	386	Rochester	648	WASH. Colville	609
Fort Wayne	608	Syracuse	626	Omak	--
Indianapolis	486	N. C. Asheville	333	Quillayute	648
South Bend	604	Charlotte	236	Seattle-Tacoma	521
IOWA, Burlington	--	Greensboro	304	Spokane	639
Des Moines	536	Hatteras	237	Walla Walla	430
Dubuque	--	Raleigh	244	Yakima	569
Sioux City	547	Wilmington	204	W. VA. Beckley	487
KANS. Concordia	453	N. DAK. Bismarck	742	Charleston	405
Dodge City	381	Fargo	725	Huntington	429
Goodland	534	Williston	692	Parkersburg	--
Topeka	449	OHIO. Akron-Canton	583	WIS. Green Bay	733
Wichita	356	Cincinnati	460	Madison	688
KY. Lexington	429	Cleveland	608	Milwaukee	707
Louisville	408	Columbus	556	WYO. Casper	709
LA. Baton Rouge	59	Dayton	546	Cheyenne	687
Lake Charles	83	Toledo	665	Lander	702
New Orleans	29	Youngstown	628	Sheridan	685
Shreveport	125				

National Agricultural Summary

May 3-9

HIGHLIGHTS: Much needed rain fell on major winter wheat growing areas. Although the moisture slowed planting of row crops, it was needed to sustain the developing winter wheat crop. Soil moisture supplies were mostly adequate, although shortages were developing in some areas. Farmers had 3 to 6 days suitable for fieldwork. Many producers took advantage of the open weather by planting at a rapid pace. Corn planting in the 17 major States reached 49% completion, 6 points ahead of normal. Sorghum was 26% planted in the 7 major States, equal to normal. Forty one percent of the cotton was planted--still lagging the average. Soybean planting became widespread. Planting was 8% completed, equaling last year's and average progress. Spring wheat was 56% planted compared with an average of 62%. Rice was 55% seeded, 29 points less than a year earlier. Twenty-four percent of the winter wheat acreage headed, well behind last year's rapid development of 56%. The crop was in fair to good condition. Vegetable harvesting and planting moved further northward. Pastures were in fair to good condition.

SMALL GRAINS: In the 15 major producing States, 24% of the winter wheat acreage was headed, well behind last year's rapid development of 56%. Six percent of the Texas acreage had turned color. Winter wheat was in fair to good condition in major growing areas.

Kansas winter wheat was 90% jointed and 5% headed. Soil moisture was generally adequate, except in the southwest where supplies were short.

Timely rain and cool weather in Oklahoma sustained the good winter wheat conditions. The crop developed rapidly; 70% of the acreage headed, 10 points ahead of average.

Texas winter wheat was in fair to good condition. Showers improved dryland wheat conditions in the northern High Plains, but many fields were still dry. Rust and powdery mildew remained a problem in the southern half of the State.

Spring wheat seeding was 56% completed in the 5 major producing States, lagging last year's 85% and the average of 62%. Seeding progress ranged from 43% in North Dakota to 88% in Idaho. Progress continued behind normal in all States except Idaho and South Dakota.

CORN: Corn planting was 49% completed in the 17 major producing States, ahead of last year's 45% and the 43% average. Open weather allowed producers to plant rapidly after wet conditions delayed the start of planting earlier this spring. Progress ranged from 11% planted in South Dakota to 96% planted in Georgia. Emerged plants in southern areas were in fair to good condition. All States except Iowa, Minnesota, Nebraska, South Dakota, and Wisconsin were ahead of their normal planting progress for this date.

SORGHUM: Sorghum planting in the 7 major producing States reached 26%, 4 points behind a year earlier but equal to the average. Planting was active in all States except Colorado and South Dakota which is about normal for this date. Texas producers had planted 68% of the crop, 1 point ahead of schedule. Cool, cloudy weather slowed the development of early-planted fields in Texas.

COTTON: Cotton planting in the 14 major producing States advanced to 41%, lagging last year's 51%. Planting was underway in all States. Cool soil temperatures delayed planting in some areas. Early-planted stands in the Coastal Bend area of Texas were squaring.

SOYBEANS: Soybean planting was active in all of the 18 major producing States except Nebraska. Progress for the 18 States reached 8%, equal to both a year ago and the average. Planting progress ranged from 1% in Kansas to 25% in Ohio.

OTHER CROPS: Rice seeding in the 5 major States was 55% finished, lagging last year's 84%. Rice had emerged on 33% of the acreage compared with 58% a year earlier. Planting in Texas was nearing completion, although development of the crop was slowed by cool, cloudy weather.

Peanut planting became more widespread, although cool soil temperatures delayed seeding in some areas. Completion of planting ranged from 9% in Texas to 62% in Virginia and 64% in Alabama.

Tobacco growers kept busy transplanting the 1982 crop. Plants were in fair to good condition in nearly all areas.

FRUITS AND NUTS: Apples and blueberries were in full bloom in New Jersey. Most fruit trees in the Pacific Northwest were blooming. New York sweet cherries reached full bloom. Michigan fruit development was slightly behind schedule due to cool weather this spring.

Florida's new crop fruit made good growth. Harvesting of old crop Valencia oranges continued active, but grapefruit picking slowed.

Limited picking of peaches began in Arizona. The Valencia orange harvest neared completion, and the grapefruit harvest was seasonally slow.

California growers virtually finished picking Navel oranges, but the Valencia orange harvest remained active. Growers sprayed apples, pears, almonds and walnuts. Harvesting of Burlat cherries started.

Texas pecans formed nutlets in the southern half of the State.

VEGETABLES: Harvests of early-season vegetables and planting mid-season crops became more active in northern areas. Cool weather slowed asparagus growth and delayed cutting.

Florida's vegetable shipments increased 28% from the previous week. The only crops registering declines were cabbage, escarole, lettuce, and squash. Potato digging was very active in the Hastings area. The tomato harvest was at peak levels.

Arizona's lettuce harvest was nearly finished in central areas and expected to start in eastern areas about mid-month.

Cool, cloudy weather slowed the development of crops in Texas. Rainfall benefited crops in the Coastal Bend area. Some replanting became necessary in East Texas due to heavy rains and high winds.

California's asparagus harvest was very active with much of the crop going to processors. Snap bean harvests started in desert areas. On the central coast, growers harvested broccoli and cauliflower. The carrot harvest was active in desert areas and increased in the San Joaquin Valley. Lettuce harvests increased on the central coast and neared completion in the San Joaquin Valley. Bell pepper harvests started in the Coachella Valley. The spring potato harvest increased in the Kern district while fall potato planting started in the Tulelake area.

PASTURES AND LIVESTOCK: Pastures and ranges were in fair to good condition. Texas pastures improved after receiving timely rainfall. Weeds were a problem in some areas since cool temperatures slowed the growth of warm-season grasses. Livestock were in good condition. Sheep shearing continued active.

CROP PROGRESS
FOR WEEK ENDING MAY 9, 1982

WINTER WHEAT % HEADED				COTTON % PLANTED				SOYBEANS % PLANTED				CORN % PLANTED				
	1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.	
CALIF	84	95	NA	ALA	63	82	75	ALA	9	17	15	COLO	45	43	38	
COLO	2	2	NA	ARIZ	90	88	91	ARK	6	13	9	GA	96	98	94	
IDAHO	0	0	0	ARK	52	89	58	GA	11	12	13	ILL	78	45	51	
ILL	1	58	21	CALIF	98	95	NA	ILL	14	6	9	IND	60	15	40	
IND	0	15	30	GA	60	90	83	IND	10	1	5	IOWA	45	60	56	
KANS	5	75	15	LA	52	74	59	IOWA	4	4	7	KANS	40	50	35	
MO	17	76	30	MISS	55	90	62	KANS	1	4	2	KY	62	67	49	
MONT	0	0	0	MO	55	81	49	KY	6	9	5	MICH	40	22	28	
NEBR	0	15	0	N MEX	60	45	57	LA	4	10	11	MINN	37	49	42	
OHIO	0	0	0	N C	74	91	71	MICH	3	1	1	MO	68	66	49	
OKLA	70	95	60	OKLA	5	15	5	MINN	5	11	9	NEBR	15	45	30	
OREG	0	5	NA	S C	87	96	88	MISS	3	12	8	N C	93	94	90	
S DAK	0	0	0	TENN	45	87	56	MO	11	14	10	OHIO	80	15	30	
TEX	61	86	NA	TEX	21	33	28	NEBR	0	4	2	PA	27	28	25	
WASH	0	1	1	14 STATES	41	56	NA	N C	10	11	12	S DAK	11	33	16	
15 STATES	24	56	NA	EXCL. STATES WITH NA	35	51	41	OHIO	25	2	8	VA	71	72	61	
EXCL. STATES WITH NA	17	54	21	THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP.	18 STATES	8	8	8	S C	5	6	9	WIS	12	20	16
												17 STATES	49	45	43	

THESE 15 STATES PRODUCED 88% OF THE 1981 WINTER WHEAT CROP.

THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP.

THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP.

NA - NOT AVAILABLE

NA - NOT AVAILABLE

RICE % PLANTED				RICE % EMERGED				SORGHUM % PLANTED				SPRING WHEAT % PLANTED			
	1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.
ARK	45	84	70	ARK	13	56	40	COLO	0	0	0	IDAHO	88	90	74
CALIF	10	60	NA	CALIF	0	7	NA	KANS	3	4	5	MINN	64	98	72
LA	78	89	89	LA	70	79	81	MO	25	26	16	MONT	45	80	63
MISS	70	94	75	MISS	32	68	54	NEBR	1	7	2	N D	43	75	49
TEX	92	95	96	TEX	78	89	NA	OKLA	10	20	10	S DAK	85	100	81
5 STATES	55	84	NA	5 STATES	33	58	NA	S DAK	0	10	1	5 STATES	56	85	62
EXCL. STATES WITH NA	63	88	79	EXCL. STATES WITH NA	30	64	53	TEX	68	72	67	THESE 5 STATES PRODUCED 92% OF THE 1981 SPRING WHEAT CROP.			
								7 STATES	26	30	26				

THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP.

THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP.

THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.

NA - NOT AVAILABLE

NA - NOT AVAILABLE

April Crop Production Highlights

WINTER WHEAT production is forecast at 2.06 billion bushels (56.2 million metric tons), as of May 1, 2 percent less than last year's record high production of 2.10 billion bushels (57.1 million metric tons). The 90 percent confidence interval for this production forecast is 1.82 to 2.30 billion bushels.

CITRUS production is forecast at 12.6 million tons (11.4 million metric tons), 1 percent less than last month's forecast and 17 percent less than last season.

ORANGE production is forecast at 188 million boxes (7.30 million metric tons), down 1 percent from last month's forecast and 24 percent less than the

1980-81 season. As of May 1, 74 percent of the U.S. orange crop had been harvested.

GRAPEFRUIT production continues to be forecast at 72.7 million boxes (2.68 million metric tons), up 7 percent from last season. By May 1, 85 percent of the crop had been picked.

LEMON production for California and Arizona is expected to total 25.6 million boxes (883 thousand metric tons), down 3 percent from last month's estimate and 19 percent less than last season's record high output. Lemon harvest was 75 percent complete on May 1.

PEACH production in the nine Southern States is forecast at 340 million pounds (154 thousand metric tons), 53 percent less than last year.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures below average. Rainfall Statewide 1.00 to 2.00 in.

Soil moisture mostly adequate. Fieldwork: 5.0 days. Corn planted 90%; cotton planted 63%, 1981 82%, average 75%. Peanuts planted 64%, 1981 52%, average 59%. Wheat heading 88%, 1981 96%, average 89%; wheat turning color 12%, 1981 33%, average 25%. Sorghum planted 20%, 1981 27%, average 16%. Soybeans planted 9%, 1981 17%, average 15%. Activities: Planting corn, peanuts, sorghum, soybeans, and cotton; pest control on fruit, vegetables and some early crops; spreading fertilizer; seedbed preparation. Conditions: Livestock, pastures, wheat good; corn fair to good; plowing 83%.

ARIZONA: Storm system spread showers, thunderstorms all sections first half of week. Rainfall amounts generally 0.25 to 0.75 in. Average temperatures 3° below normal to 3° above.

Cotton planting 90% complete, ahead of last year's 88%, slightly behind average of 91%. Crop making very good progress, first squares should appear soon. Wheat, barley turning color, some barley harvest in progress. Sugarbeet digging slowed by unseasonal rains. Safflower developing well. Planting of corn, sorghum in progress, Cochise County. Alfalfa haying activities delayed due to rain. Moderate rain damage to cut hay in Mohave, Pima Counties. Lettuce harvest, central area, almost finished. Harvest, eastern area will begin around May 15th. Potato digging gaining momentum. Limited digging, picking of dry onions began end of week. Romaine, other lettuce, broccoli, cabbage, greens and carrot harvest winding down in Central Valley. Picking of green onions continued. Cantaloups, watermelons making good progress, Yuma area. Valencia orange season finished by end of May. Lemons for juice, fresh market picked on demand. Harvest of grapefruit slow. Deciduous fruits developing well. Select picking of peaches started. Ranges mostly fair to good condition. Recent rains helped range grass conditions improve. Poor range conditions exist in southwestern Desert areas. Livestock fair to good condition. Cattle good shape. Approximately 75% calf crop on ground. Round-ups, branding taking place southwestern part of State. Water supplies mostly adequate, some shortage southeast.

ARKANSAS: Warm and dry weather first of week, cooler and rainfall latter part. Highest temperature 90°, lowest 38°. All departures from normal -5 to +2°. Most rainfall 2.81 in., least 0.11 in.

Planting of rice, cotton and sorghum progressed at a rapid rate. Fieldwork available 5 days. Farmwork behind schedule. Soil moisture adequate. Crop growth moderate. Soybeans planted 6%, 13% 1981, 9% average. Rice planting 45%, 84% 1981, 70% average; emergence 13%, 56% 1981, 40% average. Cotton planted 52%, 89% 1981, 58% average; emergence 11%, 56% 1981, 40% average. Corn planted 75%, 89% 1981, 72% average. Sorghum planted 49%, 76% 1981, 60% average. Hay cutting continued. All crops in fair to good condition. Livestock in good condition. Pastures were average.

CALIFORNIA: Temperatures averaged 2 to 6° above normal. Only precipitation was some scattered showers on the South Coast in midweek. San Joaquin Valley led the above normal parade being 6° above normal. The Sacramento Valley was 4° above normal.

Strong drying conditions prevail. Field activities full swing; 98% of cotton planted, 95%

last year. Rice flooding and seeding active with 10% planted, 60 last year. Small grains progressing normally; 84% of winter wheat headed compared to 95% last year. Some damaged small grain fields being green chopped. Alfalfa growing well and cutting of hay active. Sugarbeet and corn planting continues in Sacramento Valley. Harvest active in Sacramento Valley and southern California. Dry bean planting progressing. Apples, pears sprayed for codling moth. Hass avocado volume up. Burlat cherries just getting underway. Grapes sulphured, shoots thinned. Maybelle nectarines/Desert Gold peaches moving from Desert. Slow Desert Valley grapefruit movement. Lemons moving fast; sizes up, quality down. Navel oranges virtually completed. Valencias active, very good quality. Almonds/walnuts sprayed for pests. Pistachios finished good bloom. Artichoke volume down. Asparagus harvest active, diversion to processors heavy. Snap bean harvest started Desert. Broccoli, cauliflower harvest active Central Coast. Brussels sprouts crop late but good condition. Cantaloups sizing well Desert, planting San Joaquin Valley. Carrot harvest active Desert, increasing San Joaquin Valley. Celery harvest active South Coast. Sweet corn picking started Coachella Valley. Lettuce harvest increasing Central Coast, almost finished San Joaquin Valley. Bell pepper harvest started in the Coachella Valley. Spring potato harvest increasing Kern District. Planting fall potatoes started Tulelake. Sweetpotato planting full swing. Harvest strawberries all growing districts. Market tomato harvest started Desert. Planting processing tomatoes late districts. Ranges drying result warmer temperatures, north winds. Feed conditions generally excellent. Movement livestock summer pastures increasing. Lambs being shipped to market. Harvest dry market onions full swing Desert, started San Joaquin Valley.

COLORADO: Precipitation on 4th and 5th ranged from 1.00 in. in the Kansas River Basin to 0.20 in. in the San Luis Valley. Temperatures were a little below normal on the western slope and slightly above normal elsewhere.

Scattered showers improved prospects for most crops. Seeding of spring grains continues to advance with barley 90% seeded; oats 75% seeded; spring wheat 75% seeded. Barley 50% emerged. Sugarbeet seeding advancing rapidly with 98% in the ground and being irrigated. Roughly 45% of the corn in the ground and this week's moisture should help emergence. Winter wheat crop in fair to good condition with 6% being pastured, 37% jointed, and 2% headed. Subsoil and topsoil moisture supplies improved and four and one-half days were suitable for fieldwork. Livestock in good condition.

FLORIDA: A moderate northeast to east flow at the surface under high pressure kept central, western areas under sunny skies. East coastal sections did receive some morning, afternoon showers with lower east coast getting from 1.00 to 1.50 in. or more on the 3rd. Northern portions had some small showers, the 8th, with amounts between 0.50 and 0.75 in. However, the period was mostly dry despite a very weak cold front which drifted down through the State, 8th, 9th.

Soil moisture mostly short west, north and central areas, variable in south, mostly adequate to slightly excessive. Corn, tobacco, sugarcane good progress. Peanut planting about complete, soybean planting increasing rapidly. Combining small grains to begin week of 10th. Haymaking

underway. Pasture condition poor to fair Panhandle, north, mostly good to excellent central, south. Some mole cricket damage. Cattle fair condition. Citrus groves in good to excellent condition. Soil moisture generally adequate from rains the preceding week. New growth continues. New crop fruit making good progress. Old crop Valencias holding well with harvest advancing, picking of grapefruit slowing. Cool nights, warm days prevailed most vegetable growing areas. Rainfall limited primarily to south. Weather other areas favorable for harvest. Shipments during week gained 28%. Crops increasing were carrots, celery, Chinese cabbage, cucumbers, eggplant, green peppers, potatoes, radishes, tomatoes, watermelons. Crops remaining steady were snap beans, sweet corn, parsley. Those declining were cabbage, escarole, lettuce, squash. Potato digging is very active in the Hastings area; this crop became the volume leader. Tomato harvest at peak levels. Watermelon cutting gaining seasonally.

GEORGIA: No rain except isolated showers southeast around midweek. Gradual warming through the week. Average temperatures 3 to 5° below normal southeast to 1 to 2° above normal north. General rainfall 7th and early 8th averaged near 0.50 in. northwest and west central but less than 0.10 in. elsewhere.

Soil moisture 65% adequate, 32% short. Six days suitable for fieldwork. Farm activities at full pace; planting, spraying, fertilizing and haying. Corn 96% planted, 98% last year, 94% average. Condition 60% fair, 38% good. Cotton 60% planted, 90% last year, 83% average. Condition 72% fair, 26% good. Grain sorghum 26% planted, 34% last year, 24% average. Condition of tobacco 7% poor, 48% fair, 45% good. Cracking sprays being applied. Soybeans 11% planted, 12% last year, 13% average. Condition 59% fair, 38% good. Watermelons 94% planted, 96% last year, 93% average. Condition 62% fair, 33% good. Vegetable condition fair to good. Wheat condition 11% poor, 50% fair, 35% good. Glume blotch and rust causing problems. Other small grains 53% fair, 40% good. Peach condition 13% very poor, 24% poor, 28% fair, 33% good. Apple condition 13% very poor, 30% poor, 37% fair, 20% good. Spraying active for fruit and pecan trees. Pasture condition 25% fair, 68% good, 5% excellent. Spreading fertilizer on pastures. Cattle, hogs fair to mostly good. Peanuts 55% planted, 72% 1981, 71% average. Condition 48% fair, 48% good.

HAWAII: Variable weather continues. Heavy down-pour Islands of Kauai, Oahu, slowed crop progress. Few watermelon plantings inundated. Weather other islands favorable. Spray programs in effect to minimize diseases. Vegetables: Supplies leafy crops heavy. Others increasing. Bananas: Supplies light. Papayas: Supplies light. Pineapples: Harvesting light. Sugar: Most mills back in operation. Pastures: Generally fair to good. Rains beneficial.

IDAHO: Temperatures averaged near to slightly below normal, ranging from 84° at Jerome to 12° at New Meadows. Only light precipitation fell. Most reporting stations picked up less than 0.10 in., far below normal. Only portions of southeast picked up heavier precipitation. Malad, the wettest with slightly more than 0.50 in.

Cool weather continued to hamper growth and development of crops and pastures. Fieldwork averaged 6 days. Southern irrigating, water supplies, adequate to surplus. Winter wheat 15% jointed, 44% in 1981. Spring wheat 88% seeded, 90% 1981, 74% average. Barley 68% seeded, 81% in 1981. Frost damage to spring grains and sugarbeets in several areas. Potatoes 40% planted, 43% in 1981, 46% average. Potatoes emerged 2%, same as 1981,

2% behind average. Sugarbeets 40% emerged, 73% in 1981. Range cattle 45% moved to spring/summer range, sheep 67%.

ILLINOIS: Temperatures 8 to 11° above normal. Precipitation light, 0.10 to 0.50 in. except extreme south of 3.00 in.

Winter wheat 2% excellent, 80% good, 15% fair, 3% poor. Corn planting 78%, 45% 1981, 51% average. Alfalfa 5% excellent, 65% good, 30% fair. Pastures 8% excellent, 68% good, 24% fair, supplying 70% roughage requirements livestock, 82% 1981, 78% average. Soil moisture 25% short, 75% adequate. Activities: Preparing the soil for planting, planting corn and soybeans, and applying herbicides.

INDIANA: Warm week. Good showers and sunshine. Rainfall from 0.50 in. north, 1.10 central, and 1.20 south. Four-week totals 1.20 to 2.00 in. below normal. Temperatures 6° above normal and ranged from 38 to 89°. Sunshine 70% of possible. Daily low soil temperatures averaged in 50's, highs in 70's.

Fieldwork averaged 6 days. Topsoil moisture short to adequate. Subsoil moisture adequate. Spring cropland 90% plowed, 1981 93%, average 85%. Corn 60% planted, 1981 15%, average 40%. Soybeans 10% planted, 1981 1%, average 5%. Oats 100% seeded, 1981 100%, average 87%. Oats 3 in. high, 1981 7 in., average 4 in. Wheat condition mostly fair to good. Wheat 10 in. high, 1981 18 in., average 12 in. Wheat 50% jointed, 1981 60%, average 45%. Wheat 5% in boot.

IOWA: A warm, wet week excepting subnormal precipitation northwest and southeast. Temperatures averaged 6° above normal and precipitation 1.00 in. above normal.

Topsoil moisture: 44% surplus, 52% adequate, 4% short. Subsoil moisture: 21% surplus, 74% adequate, 5% short. Plowing: 95% complete, last year 100%, normal 91%. Oat acreage seeded: 100% complete, last year 100%, normal 94%. Oat acreage emerged: 70%, last year 100%. Corn acreage planted: 45% complete, last year 60%, normal 56%. Corn acreage emerged: 5%, last year 9%, normal 11%. Soybean acreage seeded: 4% complete, last year 4%, normal 7%. Fieldwork: 4.1 days suitable. Crop conditions: Pasture, winter wheat, oats and hay mostly good. Livestock in good condition.

KANSAS: Precipitation averaged 0.15 in. southwest, 0.50 in. to 0.75 in. central and northwest, 1.25 in. to over 1.60 in. east. Temperatures averaged 60° northwest, 64 to 67° elsewhere, 1 to 2° above normal southeast and south central, 4 to 5° above normal west and north.

Wheat 90% jointed, 99% last year, 80% average; 5% headed, 75% last year, 15% average. Corn 40% planted, 50% last year, 35% average. Sorghum 3% planted, 4% last year, 5% average. Soybeans 1% planted, 4% last year, 2% average. 1st cut alfalfa hay 1% complete, 15% last year, 4% average. Some spraying for alfalfa weevil due to moderate infestations in 4 southeastern districts. Pasture and range continue good to excellent except poor to fair west central. Soil moisture generally adequate except southwest where short. Cattle on native pasture. Four days suitable for fieldwork.

KENTUCKY: Warm, dry weather first half week. Widespread light to moderate rainfall 6th, 7th. Precipitation averaged 0.80 in. in west to 0.40 in. in east. On the whole, temperatures were mostly at or slightly above seasonal normals.

Days favorable averaged 5.3. Soil moisture 60% short, 39% adequate, 1% surplus. Corn planting advanced rapidly to 62% complete, 67% last year, average 49%; 20% emerged, stands variable.

Some replanted. Soybean planting 6% complete, last year 9%, average 5%. Tobacco plants fair to good. Most under 2 in. tall. Setting tobacco began in some areas and will begin in many counties this week. Small grains good to fair; 35% wheat headed, 85% last year. Pastures good. Alfalfa cutting underway. Crop expected short due to earlier cold and recent dry conditions.

LOUISIANA: Temperatures 1 to 3° below normal. Rainfall averaged 0.08 to 1.12 in.

Soil moisture adequate. Days suitable: 4.6. Spring plowing 91%, 97% 1981, 80% 1980. Corn planted 96%, 95% 1981, 91% average; emerged 92%, 91% 1981, 84% average; condition fair to good. Cotton planted 52%, 74% 1981, 59% average; emerged 22%, 57% 1981, 36% average; condition good. Soybeans planted 4%, 10% 1981, 11% average. Rice planted 78%, 89% 1981 and average; emerged 70%, 79% 1981, 81% average; condition fair to good. Sorghum planted 60%, 68% 1981, 32% average; emerged 50%, 59% 1981, 26% average; condition fair to good. Sweetpotatoes planted 34%, 58% 1981, 29% average; condition fair. Wheat headed 97%, 98% 1981, 95% average; turning color 58%, 87% 1981, condition fair to good. Harvest just beginning. Sugarcane rated fair to good. Vegetables rated fair. Pasture, livestock good condition.

MARYLAND AND DELAWARE: Temperatures averaged 1° higher than normal. Highs averaged in the mid to upper 70's and lows were in the mid-40's. No measurable precipitation in either State. May 8th was mostly cloudy with daytime thundershowers. Highs were in the low 80's with lows in the mid 50's. The 9th was sunny and cooler with highs in the low 70's and lows in the mid 40's.

With little or no rain, farmers made good progress in planting and field preparation. Maryland's progress percentages: Acres plowed 85%, 95% last. Spring oats 100% planted both years. Oats headed 10%, 5% last. Barley 55% headed, 65% last. Rye headed 65%, 95% last. Wheat 5% headed, 35% last. Corn planted 50%, 60% last. Snapbeans and sweet corn 40%, 60% last. Tomatoes 45%, 40% last. Cucumbers 35%, 30% last. Watermelons 40%, 30% last. Apple bloom 85%, 100% last. Delaware's progress: Acreage plowed 90%, 95% last. Barley headed 60%, 90% last. Rye headed 45%, 100% last. Field corn planted 60%, 75% last. Sweet corn and tomatoes 60% planted, 65% and 45% respectively last year. Watermelon 40%, 70% last. Cucumber and lima bean acreage just beginning to be planted. Peach and apple trees have bloomed in Delaware.

MICHIGAN: Temperatures averaged from 4 to 10° above normal. High temperature ranged mid 50's to mid 80's and lows from upper 20's to upper 40's. Precipitation fell during late week as a slow moving cold front travelled through the Lower Peninsula. South central and eastern Lower divisions received greatest amounts from that rainfall. Sunny days most of the week kept field activity in full swing.

Statewide 6 days were suitable for fieldwork. Dry conditions resulted in short soil moisture supplies. Late week rains helped moisture situations. Corn planting advanced to 40% complete, last year 20% and 28% average. Oats planting 90% complete, 90% last year and 76% average. Potatoes close to normal 45% seeded. Sugarbeet planting now complete ahead of normal. Soybean seeding just getting underway. Fruit and vegetables slightly behind schedule.

MINNESOTA: A mild and generally wet week. Temperatures averaged 4 to 7° above normal. Highest 91° at Browns Valley. Lowest 24° at Warroad. Rainfall above average except western portion of State. Heaviest southeast with 2.10 in., south central with 1.60 in.. Northeast averaged 1.50 in. The

west generally received less than 0.25 in. The remainder of the State received from 0.50 to 1.20 in.

Planting delayed in eastern and northwestern areas by frequent and occasionally heavy rains. Beginning of week favorable and planting progressed rapidly until 4th when rain started and continued through 6th. Southeast and northwest delayed until later this week. West central, central, and southwest little or no rain and getting drier still. Topsoil moisture rated: 5% very short, 18% short, 56% adequate, and 21% surplus. Planted: Spring wheat 64%, 1981 98%, normal 72%; oats 77%, 1981 93%, normal 73%; barley 49%, 1981 86%, normal 62%; flax 15%, 1981 34%, normal 27%; field corn 37%, 1981 49%, normal 42%; soybeans 5%, 1981 11%, normal 9%; sugarbeets 81%, 1981 98%, normal 75%; potatoes 14%, 1981 45%, normal 28%; sunflowers 5%, 1981 20%, normal 20%; green peas for processing 52%, 1981 73%, normal 56%; sweet corn for processing 18%, 1981 26%, normal 21%. Emerged: Spring wheat 21%, 1981 73%, normal 44%; oats 23%, 1981 78%, normal 46%; barley 11%, 1981 62%, normal 37%.

MISSISSIPPI: Temperatures slightly below normal. Extremes: 37 and 88°. Thunderstorms and showers on 6th and 7th. Greatest rainfall 2.00 in.

Soil moisture adequate to surplus north, adequate south. Fieldwork: 5.0 days suitable. Planting main farm activity. Cotton 55% planted, 90% last year, 62% average; 20% to stand, 70% last year, 33% average. Rice 70% planted, 94% last year, 75% average; 32% to stand, 68% last year, 54% average. Soybeans 3% planted, 12% last year, 8% average. Corn 75% planted, 94% last year, 81% average; 60% to stand. Winter wheat 97% headed, 7% ripe; condition fair to good. Other crops planted: Peanuts 20%, sorghum 13%, watermelons 85%, sweetpotatoes 12%. Peach condition good to fair. Pasture condition fair.

MISSOURI: Temperatures averaged 2° above normal. Thunderstorms in the middle of the week brought over 2 in. to the Bootheel. The rest of the State averaged close to 0.50 in.

Fieldwork: 4.0 days suitable. Plowing 85% completed. Corn 68% planted, last year 66%, normal 49%. Grain sorghum 25% planted, last year 26%, normal 16%. Soybeans 11% planted, last year 14%, normal 10%. Wheat 17% headed, last year 76%, normal 30%. Cotton 55% planted, last year 81%, normal 49%. Condition of winter wheat and pasture mostly fair to good. Topsoil moisture supply adequate.

MONTANA: Very warm first of week. But strong cooling midweek. Temperatures averaged 2° below normal west, southwest, north central and central and 2° above normal elsewhere. Mostly dry until end of week when from 0.10 to 0.40 in. rain fell over most areas.

Another good week for fieldwork, 6 days suitable. Winds dried soils, topsoil moisture becoming short. Winter wheat fair to good condition. Winterkill light. Spring wheat 45% planted, last year 80%, average 63%. Row crops being planted, progress lags behind normal. Calving and lambing 90% complete. About 10% livestock moved to summer ranges.

NEBRASKA: Temperatures: Averaged 4° above normal. Freezing temperatures occurred 5th and 6th in Panhandle and north central areas. Precipitation: Widespread rain averaged 0.20 in. in Panhandle to 1.00 in. across south central and southeast. Corn planted 15%, 45% last year and 30% normal. Sorghum planted 1%, 7% last year and 2% normal. Soybeans planted 0%, 4% last year and 2% normal. Oats seeded 98%, 100% last year and 95% normal. Winter wheat mostly good to fair. Wheat 35% jointed, 90% last year and 35% normal. Heading 0%, 15% last

year, 0% normal. Alfalfa good. Pasture and range feed supplies short to mostly adequate. Shortest pasture and range feed supplies currently in Panhandle. Topsoil and subsoil moisture mostly adequate except short in west and north central. Days suitable: 3.9.

NEVADA: Warm with scattered showers. Temperatures averaged a few degrees warmer than average. Extremes: 93 and 70°. Some rainfall occurred early in week southern and eastern localities. Fair weather prevailed remainder of period.

Most of 1982 potato and cotton crops planted. Small grain seeding in windup stages. About 90% calves and 75% range lambs dropped. Shearing operations 66% completed. Ranges mostly good to excellent due to above normal precipitation earlier in year.

NEW ENGLAND: Temperatures averaged above normal north and near normal over much of the south. Warmest days: 6th, 7th, 8th. Coldest days: 3rd, 4th, 5th and late weekend. Frost early week mornings in some northern locations. Most precipitation occurred early week and late weekend. Dry with the exception of coastal Massachusetts north of Cape Cod, northern and central portions of Vermont and New Hampshire.

NEW JERSEY: Temperatures averaged 1 to 2° above normal. Extremes: 34° at Charlotteburg on 5th and 83° at Glassboro and Seabrook on 9th. Rainfall averaged 0.02 in. north, 0.05 in. central and 0.02 in. south. Heaviest 24-hour total was 0.12 in. at Toms River on 5th to 6th. Estimated soil moisture, in percent of field capacity, averaged 85 north, 77 central and 70 south. Four inch soil temperature averaged 56° north, 58° central and south.

Fieldwork: 6.0 days suitable. Ideal weather advancing crops progress and planting. Tomatoes planting begun. Harvest of asparagus and Bibb, Big Boston and leaf lettuce increasing. Apples and blueberries in full bloom. Strawberry bloom continues. Barley heading. Oat planting complete. Field corn planting active. Pasture and hay growth good.

NEW MEXICO: Temperatures were below normal for most of the week. Precipitation was received over most areas of the State.

Rainfall continued to interrupt outdoor activities. However, most areas still below year-to-date rainfall totals. Soil moisture remains in a short to adequate supply depending on locality. Planting of cotton continuing. Alfalfa fields in good condition. In the far southern areas the first cutting well underway with some fields already baled and moved out of the fields. Grain sorghum planting just getting underway. Irrigated wheat and barley in good condition with the dryland fields in mostly poor condition. Planting of corn slightly behind normal with about 50% planted compared to 60% last year. Lettuce in good condition with harvest underway. Onions in good condition with harvest to get underway later this month. Chile fields in good condition and progressing well. Some limited peanut fields have been planted. Ranges continue in poor to fair condition. Cattle and sheep in good condition. Supplemental feeding continuing in some areas.

NEW YORK: Temperatures averaged above normal, rainfall below normal. All areas now dry. Oat planting 52% complete, 61% 1981, 63% average. Corn planting 12% done, 13% 1981, 17% average. Hay, pasture growth slow. Sweet cherries in full bloom. Apple full bloom approaching in Hudson Valley and western areas. Peaches, pears in full bloom in Hudson Valley, near full bloom along Lake Ontario. Early L.I. potatoes emerging, Upstate planting

progressing well. Long Island sweet corn 20% planted.

NORTH CAROLINA: Temperatures: 1 to 2° above normal. Precipitation: Mostly light with the greatest amount being 0.88 in. at Murphy.

Soil moisture: 13% short and 87% adequate. Fieldwork: 5.9 days suitable. Plantings: Corn 93%, 1981 94%, 90% average; cotton 74%, 1981 91%, 71% average; peanuts 28%, 1981 47%, 39% average; sweetpotatoes 5%, 1981 5%, 9% average; sorghum 23%, 1981 38%, 23% average; soybeans 10%, 1981 11%, 12% average; flue-cured tobacco 62%, 1981 80%, 58% average. Conditions: Wheat, oats, barley, and rye fair to mostly good; tobacco, corn, cotton and Irish potatoes fair to mostly good; truck crops fair to good. Major farm activities: Planting corn, transplanting tobacco, land preparation.

NORTH DAKOTA: Average temperatures ranged from 6° above normal northeast to near normal west central, highest temperature 94° northwest, 2nd. Coldest 20° west, 7th. Average precipitation continued to be below normal. Ranged from 0.47 in. below normal east central to 0.06 in. below normal west central.

Rain and snow showers 9th halted most fieldwork. Good progress on seeding made earlier in the week. Average of 6.0 days suitable for fieldwork. Small grain seeding about 5 days behind average, about two weeks behind last year. Hard red spring wheat progress ranges from 74% seeded southeast to 14% northwest. Warmer weather needed for fieldwork and to raise soil temperatures for germination. Planting progress through 9th with last year and average: Hard red spring wheat 43, 75, 49; durum 31, 58, 40; barley 53, 70, 47; oats 35, 74, 45; sugarbeets 78, 97, 74; sunflower 1, 4, 6; potatoes 5, 26, 23; flax 5, 11, 13. Moisture received over weekend helped sustain soil moisture which was being sapped by dry, windy weather. As of 9th, 19% of State was short of topsoil moisture, last year 63, average 45.

OHIO: Dry weather continued early week, temperatures increased daily reaching mid to upper 80's by 7th. Widespread rainfall weekend produced amounts ranging from 0.50 to 1.00 in. High temperatures averaged in 70's with lows in upper 40's to low 50's. A few stations in the northwest reported temperatures below 40°. Base 50 growing degree day accumulations of between 90 and 110 amounted to 15 to 30 above normal. Soil temperatures, 4 in. under bare ground, averaged from upper 50's to low 60's. Under grass average soil temperatures were in upper 50's.

Soils very dry until 7th; farmers delayed planting and germination of recently planted crops slowed. Farmers did plant 1.5 million acres of corn and half a million acres of soybeans. Grasslands and winter wheat growth also slowed by dry soils. May 7 rainfall should improve germination and growth. Winter wheat condition poor northwest, good elsewhere. Hay and pasture growth short; condition fair to good. Early corn plantings emerged to good, even stands; later plantings uneven because of dry soils. Corn planted 80%, 15% 1981, 30% average. Soybeans planted 25%, 2% 1981, 8% average. Oats planted 98%, 90% 1981, 90% average. Potatoes planted 60%, 30% 1981, 45% average. Days favorable: 6.6. Pasture condition fair. Soil moisture 89% short, 11% adequate.

OKLAHOMA: A large rain producing weather system moved across the State midweek producing rainfall across the State ranging from 0.32 in. in southeast to 3.00 in. in south central with central and southwestern sections receiving over 1.50 in. Mean temperatures were below normal across the southern one-third and west central sections and

near normal elsewhere, ranging from 4° below normal in the southwest to 1° above normal in the north-east, central and Panhandle.

Rain coupled cool temperatures continued to sustain the good wheat crop. Development of crop moving ahead rapidly. Wheat heading: 70%, 95% 1981, 60% average. Sorghum planted: 10%, 20% 1981, 10% average. Sorghum up-to-stand: 5%, 10% 1981, 5% average. Cotton planted: 5%, 15% 1981, 5% average. Days suitable fieldwork: 3.7.

OREGON: Temperatures 8° above normal along extreme southern coast; 2 to 4° below normal in some eastern areas; near normal elsewhere. Little rainfall; 0.10 in. in Willamette Valley and north central portion; 0.20 in. along coast; minimal elsewhere.

Surface moisture short to mostly adequate. Winter wheat condition good; 22% booting; 63% last year; virtually none headed compared with 5% last year. Alfalfa growth coming along. Mint fields good; flaming continues. Grass seed fields in good shape; some rust in bluegrass. Spring seeding, tilling and spraying continues. Spring silage harvest underway. Previous frost damage to Wasco County cherries seems not too serious in overall crop. Apple thinner sprays going on in Hood River Valley. Strawberry bloom continues. Tree fruit sets mostly good despite poor pollination weather in some areas. Seeding of vegetable crops well underway. Green pea emergence good; some pea leaf weevil present. Radish, spinach, asparagus and rhubarb harvest continues. Potato planting getting started in later areas. Light frost and high winds caused some minor damage to potatoes in Hermiston-Boardman area. Onion planting mostly complete in west; emergence and growth slow in east. Livestock mostly good; infestation of ticks in Umatilla County causing concern. Range pastures progressing slowly. Moisture needed in lower ranges. Livestock continue to be turned out on ranges as hay supplies are depleted.

PENNSYLVANIA: An elongated range of high pressure kept the State rather dry during most of the week. A cold front moved across the area the latter part of the week. Rainfall with this system ranged from less than 0.10 in. in the east to well over 1.00 in. in the central mountains. Temperatures were slightly above normal. Extremes: 90 and 26°. Some scattered light frost reported in northern counties early in the week.

Six days suitable. Moisture short to adequate. Activities: Plowing; spreading lime and fertilizer; chopping rye; spraying fruit trees; and planting oats, corn, alfalfa, potatoes, and soybeans. Plowing 72% complete, last year 80%, average 78%. Soybeans less than 5% planted, last year 10%. Oats 87% planted, last year 86%. Potatoes 56% planted compared with 61% last year. Planting tobacco beds virtually complete, about a week later than last year. Corn 27% planted compared with 28% last year and average of 25%. Barley 13% in boot stage, last year 18%. Wheat 9% in boot stage, last year 11%. Hay stand conditions mostly good to fair. Feed from pastures below average to average. Peaches 30% pink and 68% in full bloom or past. Cherries 28% pink and 72% in full bloom or past. Apples 39% pink and 55% in full bloom or past.

SOUTH CAROLINA: Temperatures averaged 1 to 2° below normal. Rainfall mostly lighter than usual.

Soil moisture averaged adequate with 5 to 6 days available for outdoor work. Corn 75% cultivated first time, 4% last time. Corn fair to good condition, 97% planted, 99 year ago, 97 average. Cool nights slowing development. Cotton fair condition, 87% planted, 96% last year, 88 average. Tobacco conditions fair, cold nights caused some to button prematurely and slowed growth; 98% transplanted,

99 last year. Peach conditions Statewide poor to fair, coastal plains prospects seem excellent. Wheat conditions fair to good with 94% headed, 98 year ago; 20% turning color compared to 31 last year. Tomatoes in good condition, watermelons poor to fair.

SOUTH DAKOTA: Temperatures 2 to 5° above normal. Extremes: 11 to 96°. Warm and dry weather prevailed. Topsoil moisture mostly short. Northwest district adequate, areas in north central, central, east central and southeast districts adequate. Southern part of south central district critically short. Activities include small grain seeding, flax and corn planting, limited sorghum planting. Calving 85%, lambing 80% complete. Winter wheat fair, rye good, both need moisture. Feed supplies short. Range and pastures fair. Stock water adequate. Scours and some pneumonia reported in calves. Spring wheat seeded 85%, 1981 100%, average 81%. Oats seeded 87%, 1981 100%, average 82%. Barley seeded 81%, 1981 100%, average 78%. Flax seeded 20%, 1981 58%, average 33%. Corn seeded 11%, 1981 33%, average 16%. Spring wheat emerged 43%, 1981 94%. Oats emerged 44%, 1981 89%. Barley emerged 35%, 1981 93%. Winter wheat boot 6%, 1981 43%, average 7%. Rye boot 6%, 1981 34%, average 5%.

TENNESSEE: High pressure was the primary weather control until 7th when a cold front brought rain and thundershowers to all areas of the State. The 8th and 9th were warm and sunny. Temperatures were 1° above normal west and middle and 1° below normal east. Highs from mid 70's to low 80's and lows from upper 40's to low 50's. Precipitation averaged near 0.75 in.

Fieldwork: 4.8 days suitable. Soil moisture 13% short, 75% adequate, 12% surplus. Spring plowing 78% complete, 1981 89%, average 79%. Corn 60% planted, 1981 77%, average 55%. Cotton 45% planted, 1981 87%, average 56%. Soybeans 5% planted, 1981 15%, average 8%. Tobacco 5% set, 1981 15%, average 5%. Wheat 70% headed. Oats 50% headed. Pastures mostly fair to good and showing rapid growth. Alfalfa hay first-cutting 25% complete, 1981 50%, average 15%. Cattle in good condition. Activities: Planting corn, cotton, soybeans; setting tobacco; spraying wheat for powdery mildew; mowing hay; spring land preparation.

TEXAS: Skies mostly fair 3rd increasing clouds, southerly winds 4th. Cold front moved Panhandle to Coast; general rain, occasional thunderstorms associated with cold front. Generally fair 8th, 9th except thunderstorms over West Texas. Temperatures 2 to 4° below normal. Rainfall above normal except Lower Valley, South Texas, portions Trans-Pecos.

Crops: Scattered showers; crop prospects improve with additional moisture. Planting operations interrupted. Development some spring-planted crops slowed. Cotton growth slowed; cool soil temperatures delayed planting some areas. Pre-plant fertilizer, herbicide applications active where conditions permit. Stands squaring Coastal Bend. Cool, cloudy weather slowed sorghum development. Aphids, greenbugs problem southern half State; some stands South Central Texas yellow, stunted. Corn planting good progress High Plains. Cool, cloudy weather slowed development. Stands Blacklands turning yellow. Dryland wheat Northern High Plains improved following showers; many fields still dry. Stands heading but some seed heads not filled properly. Fields turning color Central Texas southward. Rust, powdery mildew remain problem southern half of State; birds damaging early-maturing fields Blacklands. Some fields South

Central Texas blown over by rain, high winds. Reported condition across State 67% excellent; 24% good; 65% fair; 6% poor. Rice planting winding down although development slowed by cool, cloudy weather. Wet fields, cloudy weather slowed soybean planting, development along Coast. Peanut planting some progress; cool soil temperatures delayed seeding some areas Cross-Timbers. Cotton planted 21%, 33% 1981, 28% average. Cotton squaring 4%, 0% 1981. Rice planted 92%, 93% 1981, 96% average. Rice emerged 78%. Sorghum planted 68%, 78% 1981, 67% average. Wheat headed 61%, 86% 1981. Wheat turning color 6%, 13% 1981. Oats harvested 2%, 0% 1981, 1% average. Corn planted 93%, 92% 1981, 90% average. Peanuts planted 9%, 18% 1981, 10% average. Soybeans planted 1%, 1% 1981, 2% average. Sunflowers planted 8%, 16% 1981, 1% average.

Vegetables: Lower Rio Grande Valley, harvest cantaloups, squash, carrots active. Onion harvest winding down. Light supplies cabbage available. Watermelons make good progress. Citrus harvest nearing completion. Coastal Bend, cucumbers, watermelons, tomatoes benefited from additional rainfall. San Antonio-Winter Garden, spring vegetables make good progress. Watermelons bloom, some onions harvested. East Texas, growth most spring vegetables slowed by cool temperatures. Insects, disease increasing with cool, cloudy weather. Some replanting necessary because heavy rains, high winds. Trans-Pecos, cool temperatures continue slow onion, potato development. Tomatoes setting fruit; squash blooming. Chili planting active. Plains, potatoes, onions making good progress. Peaches continue make good progress. In the Hill Country, harvest early varieties begin within the week. Fruit set ranges from light to heavy. Pecans varying stages development. Nutlets formed southern half State. Reported set light some areas Edwards Plateau.

Range and pasture: Range, pasture condition to improve. Moisture supplies good most areas, pastures providing good grazing. Weeds problem some areas, since cool temperatures slowed growth warm-season grasses. Heavy rains filled stock ponds some areas. Supplemental feeding continued High Plains; some wheat fields grazed out. Livestock good to excellent condition. Shearing active Edwards Plateau, should finish when weather clears.

UTAH: Recurring periods showers and thunderstorm activity. Accumulated amounts moisture generally light to moderate, but locally heavy more severe thunderstorm areas. Average temperatures showed a rising trend to range from 2° below normal to 4° above.

Fieldwork made good progress with 6 days of suitable weather. Planting nearing completion for small grains, but later than normal. Spring wheat 87% planted, 50% emerged; barley 87% planted, 63% emerged; oats 67% planted, 34% emerged. Corn planting lagging far behind last year. Planting only 13% complete, 42% last year. Both winter wheat and alfalfa averaged 7 in. in height. Growth slow due to cool weather. Livestock movement to spring ranges delayed by slow range feed growth. Livestock in fair to good condition. Losses moderate.

VIRGINIA: Average temperatures near or a little below normal. Patches of rainfall in beginning and end of period. Total amounts less than 0.50 in. Clear middle of week.

Farm activity was high during week. Topsoil moisture rated 62% short and 38% adequate. Days suitable for fieldwork: 5.9. Corn planting very active, advanced to 71% complete, 72% 1981, 61% average. Emerged plants rate good to excellent. Over half the peanut acreage planted last week

with 62% now planted, 54% 1981, 30% average. Soybeans 7% planted, 10% 1981, 6% average. Flue-cured tobacco transplanting progress: 29% 1981, 11% average. Growth in plant beds slow. No plantings of burley or sun-cured tobacco reported and transplanting of fire-cured tobacco just starting. Insect populations increasing. Spraying active for alfalfa weevils and potato beetles. Large numbers of cereal leaf beetle larvae reported. Aphids and powdery mildew in small grain fields and cut worms and grasshoppers also reported. Silage and haylage cutting increased, and first cuttings of hay beginning. The first cutting of hay expected to be below normal due to the cold spring weather. Pastures and hay condition rated good. Livestock rated excellent, sheep shearing underway. Cotton planting nearly complete, a week earlier than normal. Vegetable planting was active in Hanover and Eastern Shore counties. Early tomatoes blooming.

WASHINGTON: High pressure was the dominant feature on the weather charts. But weak frontal systems moved through the high and across the State on 2nd, 3rd, and again late 7th. Precipitation with the fronts was light, most of the weekly total fell on 3rd. Temperatures were generally a few degrees cooler than normal.

West: Fields being tilled and seeded. Growers started seeding corn; and planting of carrots, broccoli, and summer cauliflower continues. Early green peas up and silage corn planting almost complete. Harvesting continues for winter cauliflower, field rhubarb, and tulips. Blueberries and strawberries blooming. Raspberries developing slowly. Cattle in good condition and being put on pasture. Both pasture and hay supplies adequate.

East: Spring fieldwork and planting continues, but cool weather slows crop progress. Spring grains in and emerged. Small grains not yet headed. Planting of corn and potatoes, and cutting of asparagus continues. Some potatoes slow emerging. Most fruit trees in bloom with pollination better for apples and pears than for cherries, peaches, and apricots. Most livestock on pasture and in good condition. Pasture in good condition while hay in short supply in a few areas.

WEST VIRGINIA: Temperatures averaged above normal. High 90°, low 25°. Precipitation below normal over State.

Soil moisture very short to short. Days worked 5.7. Major activities: Gardening, planting corn, plowing. Oats in fair to poor condition, 81% planted, 74% 1981. Barley fair to good condition, 23% jointed, 7% heading. Wheat fair to good condition, 13% jointed. Corn fair to good condition, 32% planted, 23% 1981. Tobacco poor to fair condition, beds 98% seeded, 39% emerged, 99% and 86% 1981. Hay and pasture fair to poor condition. Apples and peaches fair condition. Feed supplies short to adequate.

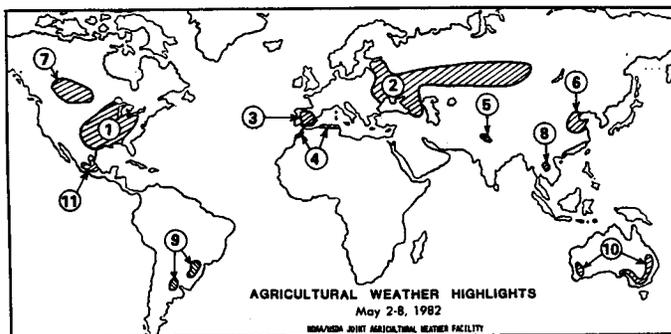
WISCONSIN: Temperatures averaged 6° above normal. A cold front moved into the State on the 5th and stayed until the 7th. Accompanying the cold front were showers that covered much of the State. Precipitation totals ranged from 1.00 to 2.00 in. in central and west to 0.50 in. or less in the east and southeast. Heaviest precipitation totals came from Lafarge which recorded 5.10 in. in the 5 to 7 period. Temperatures ranged from a high of 84° in Juneau and Marshall on the 5th to a low of 28 in Rhinelander on the 8th.

Fieldwork: 5 days suitable. Farmers took advantage of warm weather to continue spring planting. Oats 72% planted, 68% 1981, 62% average. Oats up in southern areas and look very good. Planting of barley and spring wheat continuing. The winter wheat crop very good at this point. Corn planting continuing, 12% complete, 20% 1981,

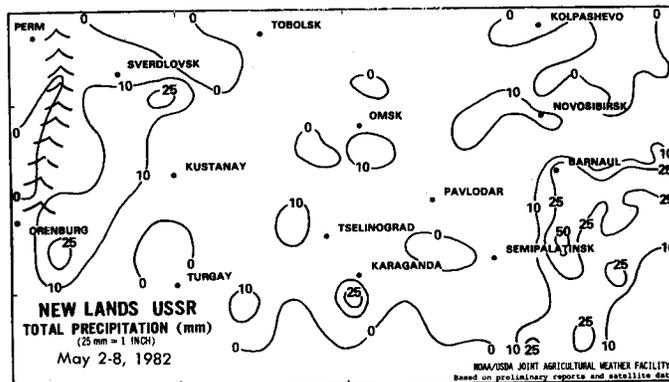
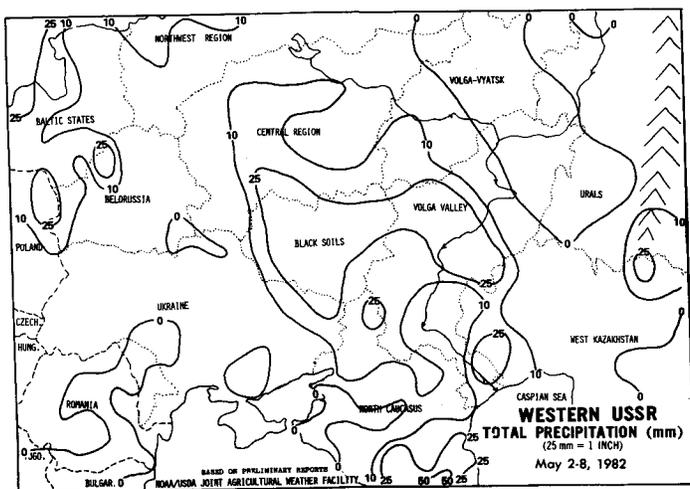
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International Weather and Crop Summary

May 2-8

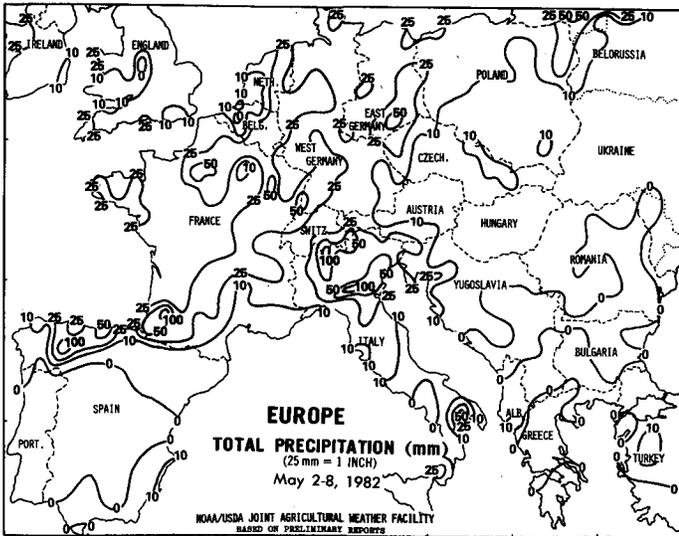


1. UNITED STATES: Rains benefit winter wheat in southern and central Plains but interrupt fieldwork in western Great Lakes region. Cool, damp weather over Gulf Coast States slows crop plantings and germination. Warm, sunny conditions spur rapid planting in most of Cornbelt.
2. USSR: Favorable weather conditions continue for winter grains; spring grain planting begins in the New Lands.
3. EUROPE: Dry weather in Spain produces crop stress.
4. NORTHWESTERN AFRICA: Favorable weather for maturing winter grains.
5. SOUTH ASIA: Lingering showers in winter grain areas.
6. EASTERN ASIA: Conditions too dry for winter grain; too wet for early rice along the south coast.
7. CANADA: Snow, cold weather delays fieldwork.
8. SOUTHEAST ASIA: Generous rains in northern Thailand's corn areas.
9. SOUTH AMERICA: Dry weather aids crop harvests.
10. AUSTRALIA: Light rain in southern wheat belt but more needed for planting.
11. MEXICO: Dryness keeps corn developing slow over the southern Plateau; showers benefit crops in the northeast.

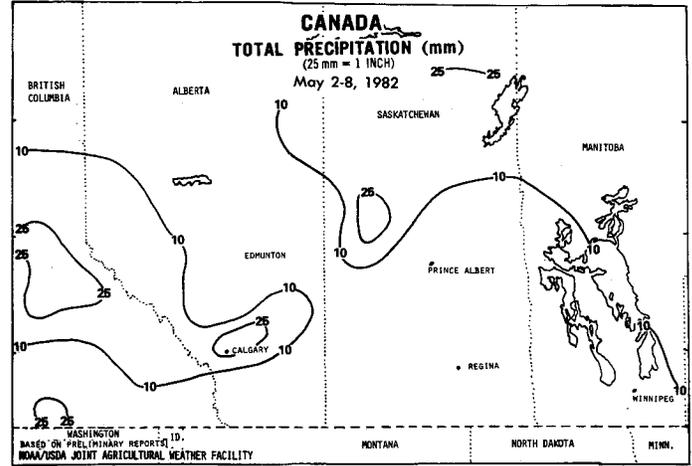


USSR: Only light rain fell on most of the Ukraine, Belorussia, and central North Caucasus. The mostly dry weather, along with seasonable temperatures, allowed spring fieldwork to progress rapidly. However, additional showers would benefit the winter grain crop, developing well in most of these areas. In central European USSR, persistent rainy conditions during the week benefited winter grains but produced delays in spring fieldwork, particularly in the Black Soils and Volga Valley regions.

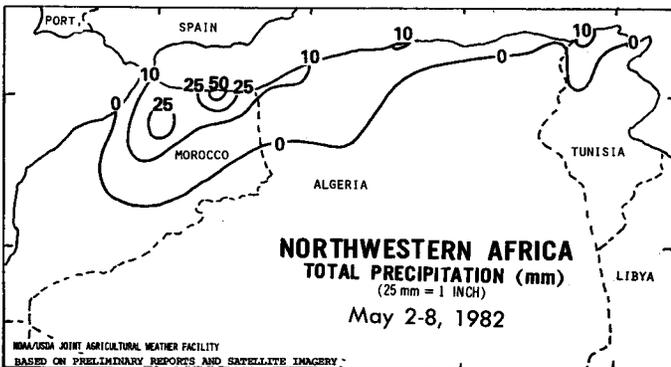
In the New Lands, spring grain planting is beginning in more southern areas, with the majority of spring seeding to take place after May 15. Weekly weather summaries begin with this issue. The months of May through August are the largest contributors to the total annual rainfall, coinciding with the normal crop season. Northern areas normally receive the highest total annual rainfall, while southern areas are more drought-prone. In general, moisture during the winter months was above normal in most areas, except the southwest. Recently, well-above-normal temperatures and limited rainfall, particularly in western locations has prompted some concern about adequate topsoil moisture for planting. Showers this past week improved conditions somewhat. In south-central USSR, reports indicate that cotton planting has been completed in most areas under generally favorable weather conditions ahead of the 1974 to 1981 average.



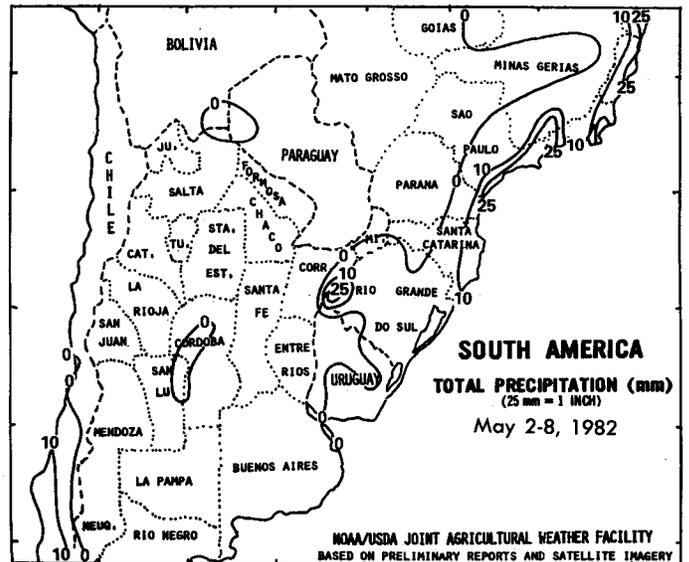
EUROPE: Wet weather over England and France benefited winter grains in the vegetative stage and improved topsoil moisture conditions for spring sown crops. Heavy rains in northern Italy, locally in excess of 100 mm may have produced some flooding, but in general, the rainfall improved moisture supplies. Generally dry weather in Spain may have produced crop stress but allowed increased spring fieldwork in the southeast. Elsewhere, persistent showers in West and East Germany caused delays in spring fieldwork. Light showers in Poland benefited most crop areas.



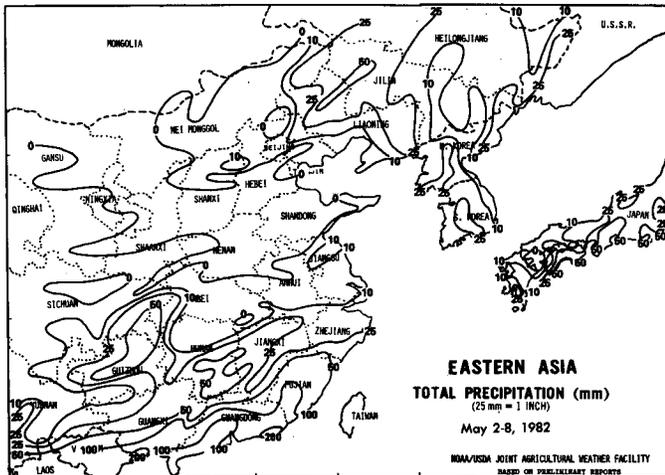
CANADA: Light precipitation fell throughout the Prairie Provinces with some western and northern areas receiving greater than 10 mm of moisture. The precipitation, some in the form of snow, and cooler weather halted fieldwork. The wheat planting progress is reported to be behind last year due to the cool spring. Subsoil moisture is generally in good supply throughout the Canadian Prairies. Warmer weather is needed to complete planting and aid germination of spring-sown crops.



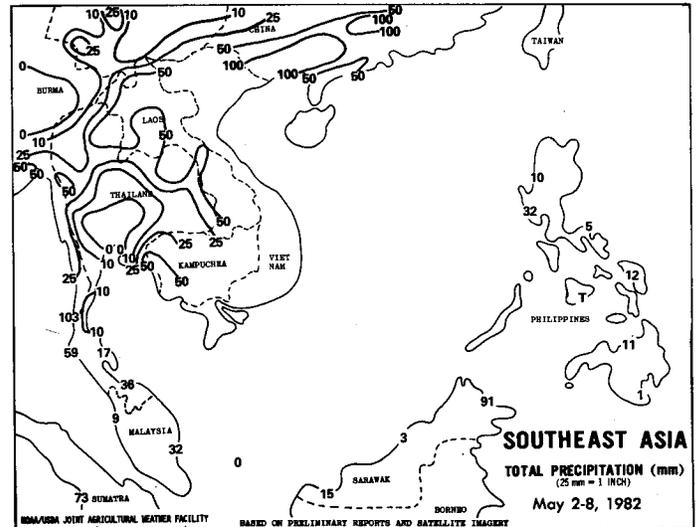
NORTHWESTERN AFRICA: Southern Moroccan winter grain areas had drier weather, but wet weather continued in northeastern areas. The maturing crop probably did not need the moisture, but it was not detrimental. Generally dry weather in Algeria and Tunisia favored the mostly mature crop.



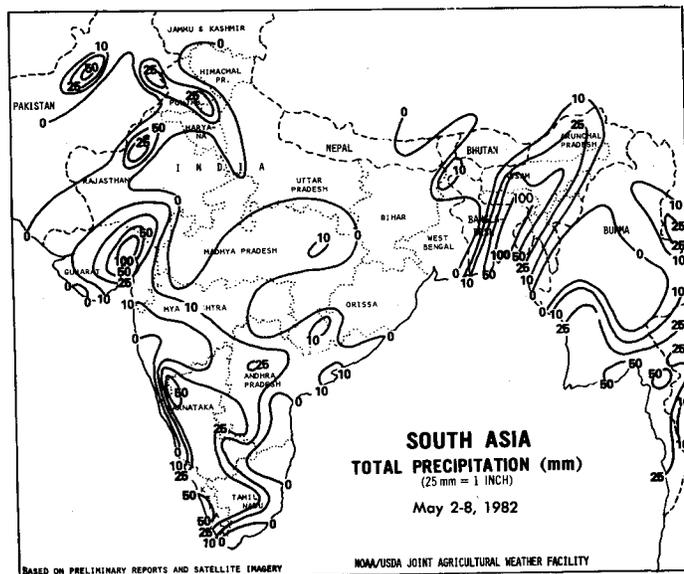
SOUTH AMERICA: Mostly dry weather aided crop harvests in Argentina and Brazil. Showers occurred only in southwestern Rio Grande do Sul and coastal areas of Brazil. The soybeans harvest in Parana is in its final stage while late maturing soybeans in Rio Grande do Sul will be harvested in the coming weeks. Brazil's wheat crop is being planted in central and southern areas. Low moisture reserves due to the recent dry spells in southern Brazil necessitate reliance on timely growing-season rainfall for the wheat crop. Citrus and coffee areas of Sao Paulo and Minas Gerais were dry again this week. Southern Buenos Aires should have good soil moisture reserves for wheat planting.



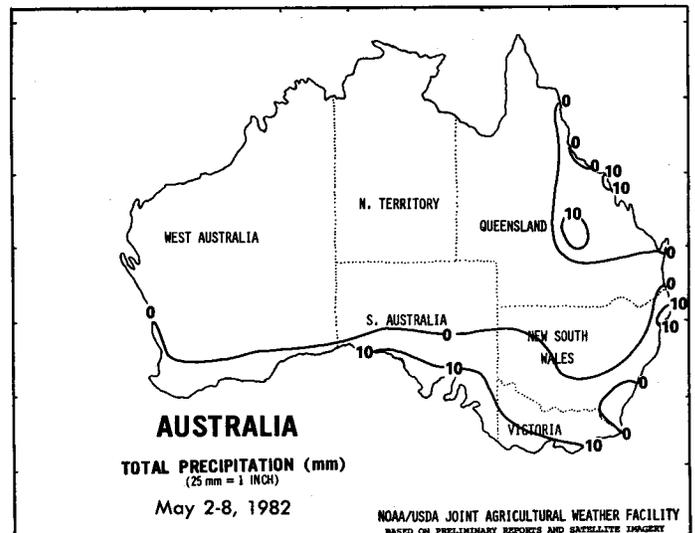
EASTERN ASIA: Unfavorably warm, dry conditions continued over China's major winter grain areas. With the crop in the moisture-sensitive flowering stage, yield prospects of unirrigated fields declined more rapidly. Furthermore, irrigation supplies remained below normal. The dryness has been hurting spring crop prospects on the North China Plain; however, prospects in the western portions of the Manchurian Valley were improved by generous rainfall. Conditions in the Yangtze Valley remained good as rainfall increased in the southern half. A tropical storm dumped above-normal rainfall along the south coast, worsening wet conditions in parts of this area. No serious problems should exist yet for rice in the flowering stage. In South Korea, beneficial rains spread further to the north, maintaining favorable conditions for winter grains.



SOUTHEAST ASIA: A tropical storm dumped generous rainfall across northern and northeastern Thailand, while tropical shower activity continued in southern parts of the country. Most of the Central Plains had dry weather. The moisture improved conditions for corn in most of the crop area. The rain belt in the south appears to be moving northward into the major crop regions of the country.



SOUTH ASIA: Localized showers continued in winter grain harvest areas of India and Pakistan. Some crop loss reportedly occurred in India from the previous week's heavy rains, and grain quality likely declined. Premonsoon showers continued in Bangladesh, eastern India, and southeastern India. Planting in most areas will await the onset of the monsoon in late May or early June.



AUSTRALIA: Some light rain fell along the southern wheat belt benefiting those crop areas of South Australia and Victoria in particular. Light showers also occurred over southern crop areas of Western Australia where significant moisture is needed for planting. Southern New South Wales received minimal amounts of rain, but eastern crop areas require timely moisture during the next few weeks to aid wheat planting. Optimum planting is usually by mid-June so there is ample time for soaking rains to improve planting conditions.

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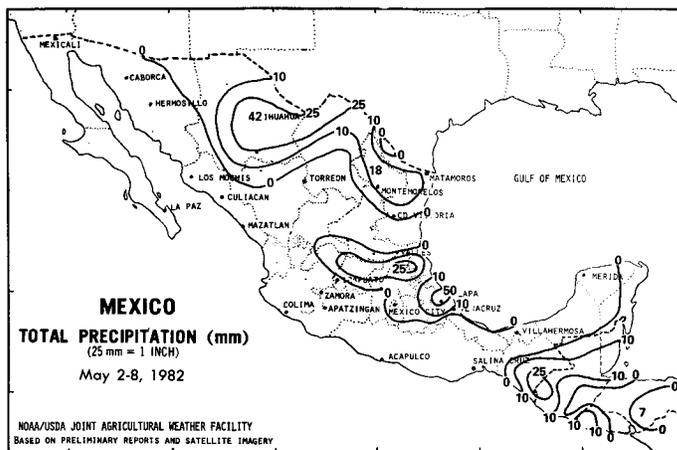
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16% average. Early planted corn up in south. Farmers continuing with spring plowing, 51% complete, 57% 1981, 51% average. Over-wintered alfalfa and new seeding looks very good. Pastures starting to green and grow, but overall growth below normal. Potatoes being planted in the central sands area. Tobacco beds going in. Farmers spreading accumulated manure piles. Topsoil moisture supplies rated 9% short, 72% adequate and 19% surplus.

WYOMING: Another warm but dry week. Temperatures averaged slightly above normal. Warmest readings in north central sections. Little or no precipitation. All reporting stations averaged well below normal.

Topsoil moisture short 59% of State. Six days suitable for fieldwork. Spring wheat planted: 45%; last year 75%; normal 71%. Spring wheat emerged: 35%; last year 40%; normal 47%. Oats planted: 45%; last year 70%; normal 71%. Oats emerged: 15%; last year 35%; normal 40%. Barley planted: 65%; last year 85%; normal 79%. Barley emerged: 35%; last year 55%; normal 56%. Sugarbeets planted: 95%; last year-most; normal 95%. Sugarbeets emerged: 25%; last year 40%; normal 44%. Corn planted: 30%; last year 40%; normal 40%. Corn emerged: 5%; last year 10%; normal 6%. Potatoes planted: 20%; last year 15%; normal 22%. Winter wheat prospects mostly fair. Alfalfa prospects fair to good. Spring calves born: 90%; last year 90%; normal 89%. Farm flock: Ewes lambled 95%; shorn 85%. Range sheep: Ewes lambled 60%, shorn 70%. Cattle receiving 45% roughage requirement from grazing. Sheep receiving 55% roughage requirement from grazing.



MEXICO: Dryness continuing over most of the southern Plateau kept corn development slow. However, a few light showers dotted the upper section. Citrus, sugarcane, and grains in the northeastern and east central regions benefited from light to moderate showers. Heavy rains dampened rangeland and young cotton fields around Chihuahua. In contrast, the west coast was sunny and dry, good for wheat harvesting but kept crop-water requirements rather high.

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