

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Economics and Statistics Service
World Food and Agricultural Outlook and Situation Board

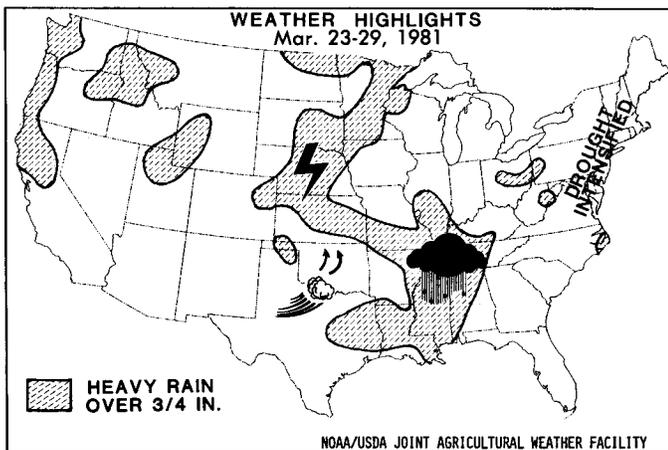
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Mar. 31, 1981

National Weather Summary

March 23-29, 1981



HIGHLIGHTS: Drought conditions improved somewhat in areas where heavier rain occurred, but overall there was little change in most areas' drought index values. Planting conditions improved in all areas that had significant rain, especially in the Great Plains. The east coast was relatively dry and the drought got worse. Some portions of the mid-Atlantic States are classed in the extreme drought category.

A late winter storm moved across the Nation, causing rain along the west coast, heavy snow in the mountains, and thunderstorms with heavy rain through the Plains, the Mississippi Valley, and from the Ohio River Valley to the Florida Panhandle. The rain was just beginning east of the Appalachians at week's end. Strong southerly winds ahead of the storm caused temperatures much above normal through the central and northern Plains and the Great Lakes area.

MONDAY...Rain continued along the middle Atlantic coast while snow covered the western mountains of North Carolina and Virginia. High temperatures were only in the 40's and 50's from the Carolinas through New England and westward through the Great Lakes. A developing cold front brought scattered showers to the Pacific Northwest.

TUESDAY...Light rain was widely scattered from eastern Kansas and western Missouri northward into North Dakota. Freezing temperatures reached into the Southeast. Atlantic City, N.J., with 24° and Huntsville, Ala., with 30° established new records. Late in the day, rain changed to snow in the central Rockies and showers increased in the Plains.

WEDNESDAY...A low pressure system produced thunderstorms across the Plains early in the day with moderate amounts of rain falling in central Kansas before the storms moved northeastward. A cold

front brought showers of rain or snow from western Montana to central California.

THURSDAY...A potentially severe winter storm developed over the inter-mountain region and brought rain to the west coast and snow to the western mountains. There were thunderstorms through the Ohio Valley.

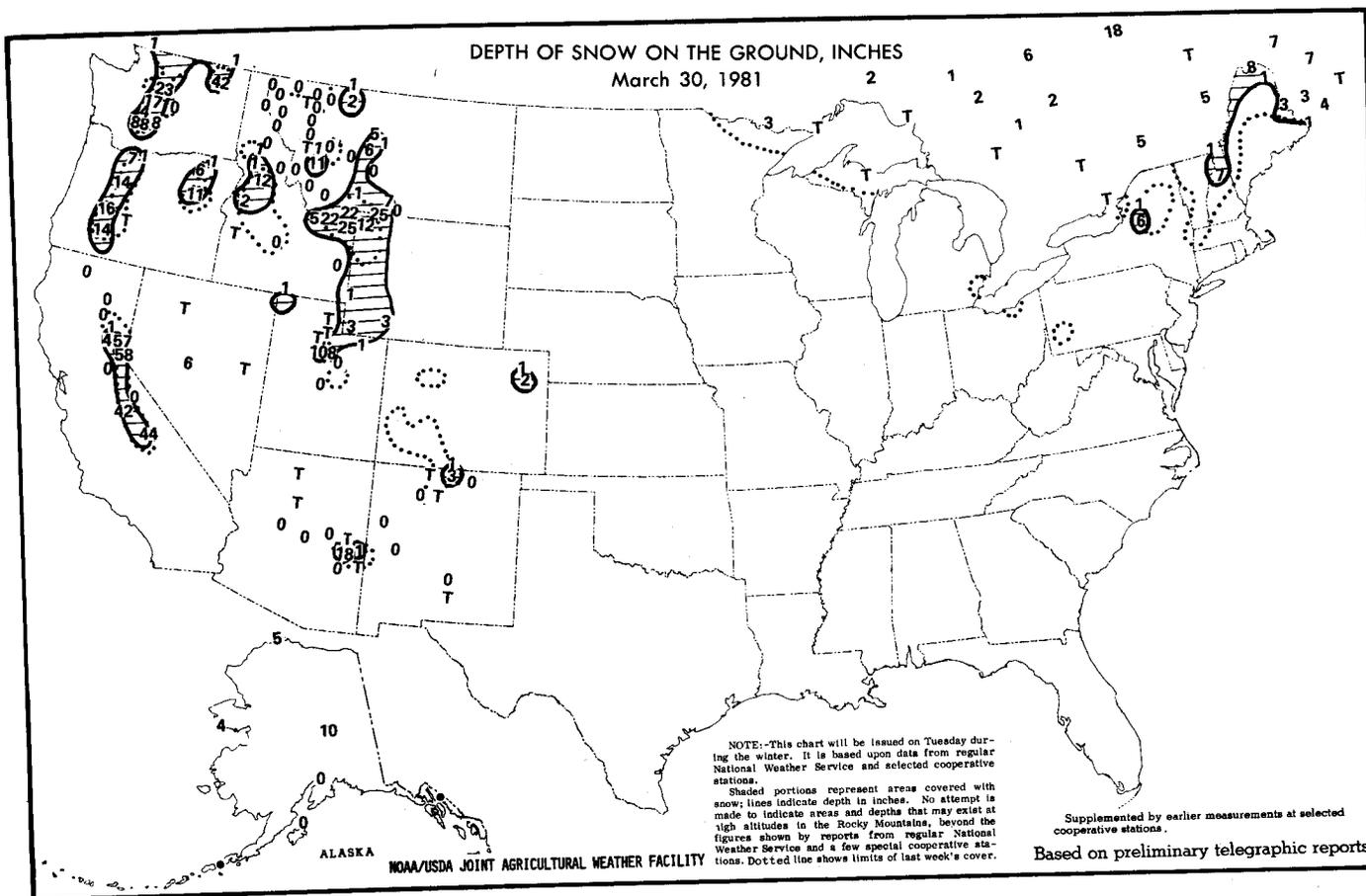
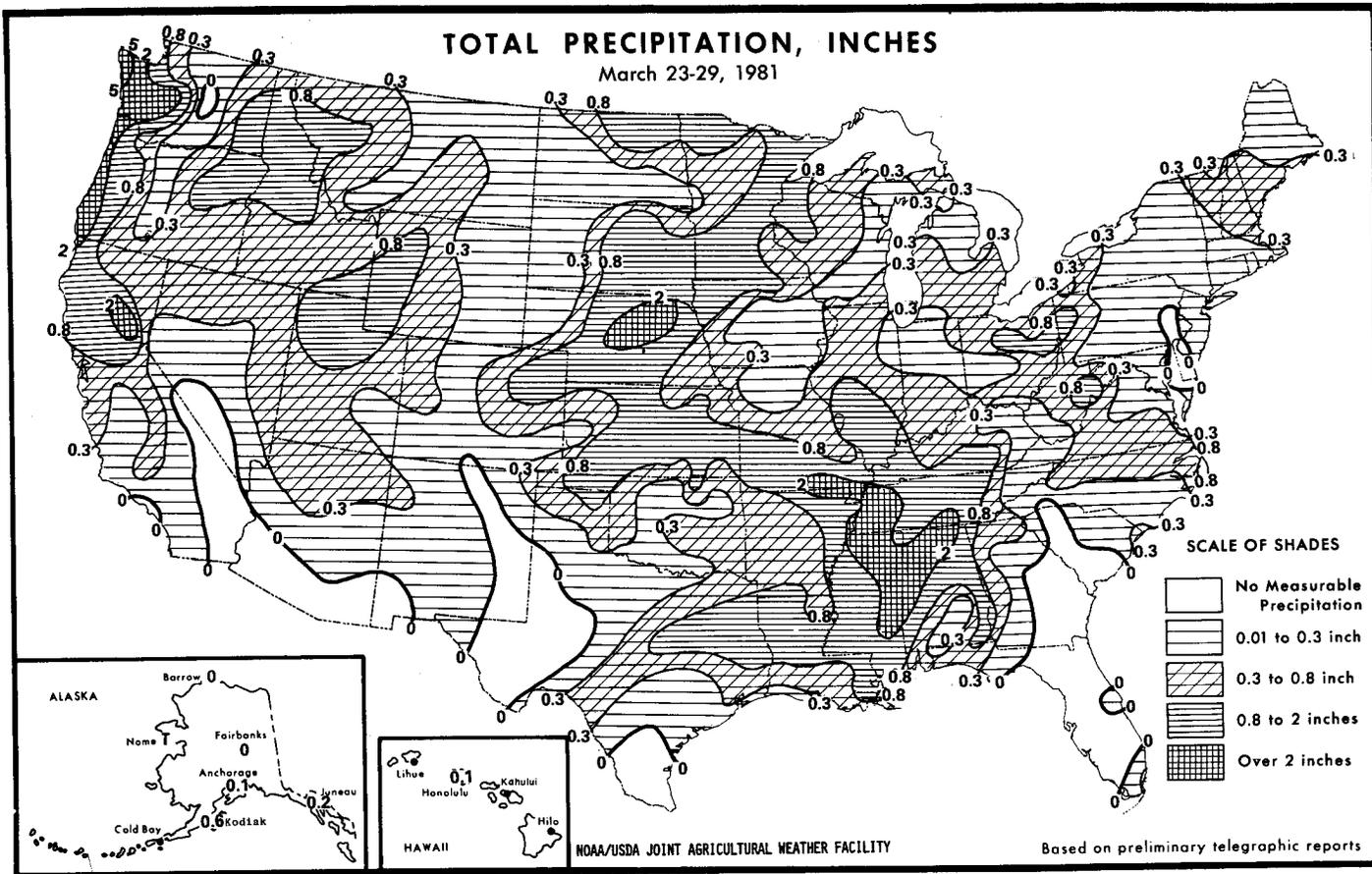
FRIDAY...The slow-moving late winter storm in the central Rockies brought heavy snow to the central and southern Plateau and to the central and northern Rockies. Northerly winds gusted through Wyoming and the plains of Colorado; the High Plains had strong southerly winds reaching 45 mph. Temperatures rose to the 60's in South Dakota and thunderstorms were scattered across western Nebraska. Some significant snow also fell in the mountains of the Northeast.

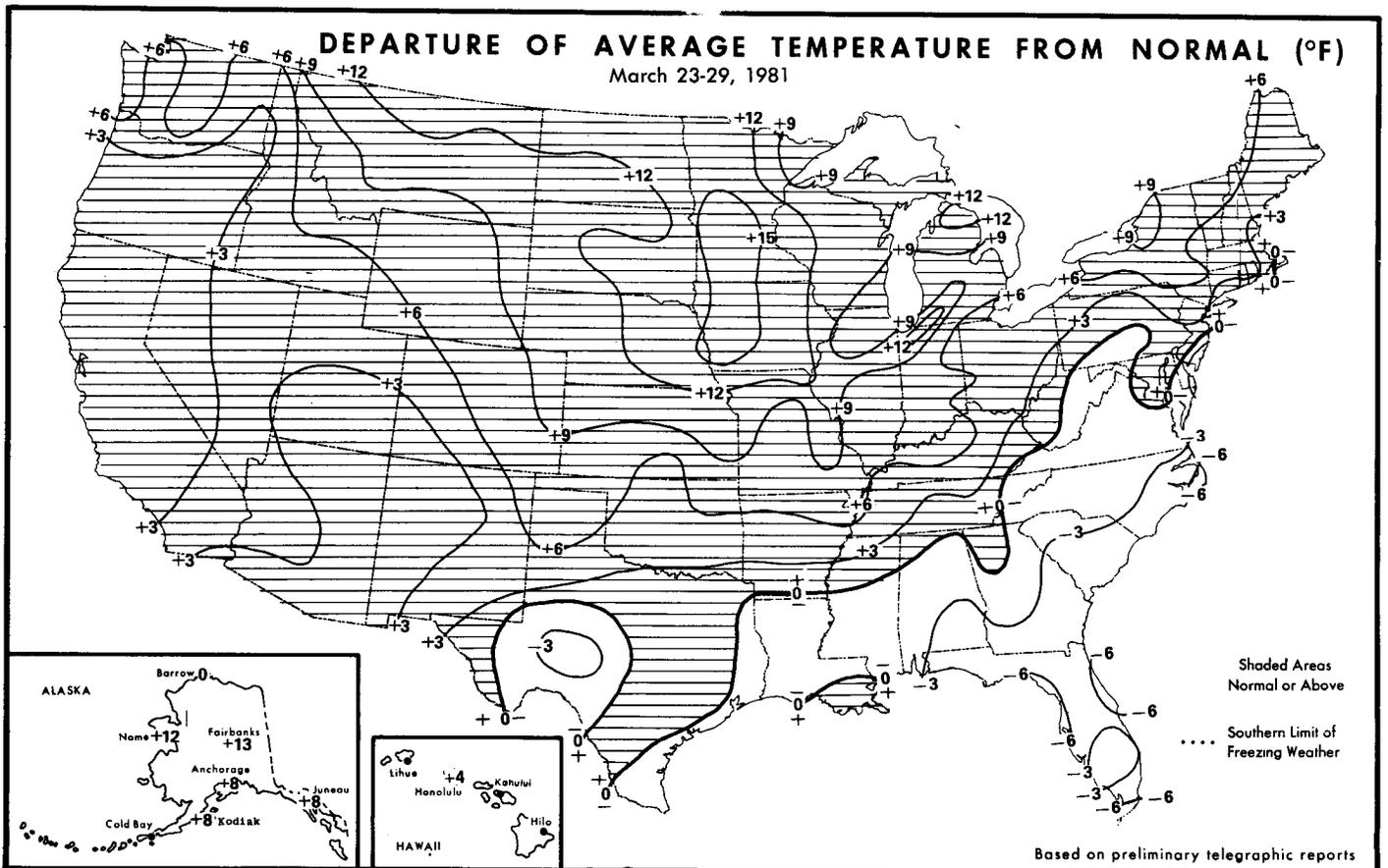
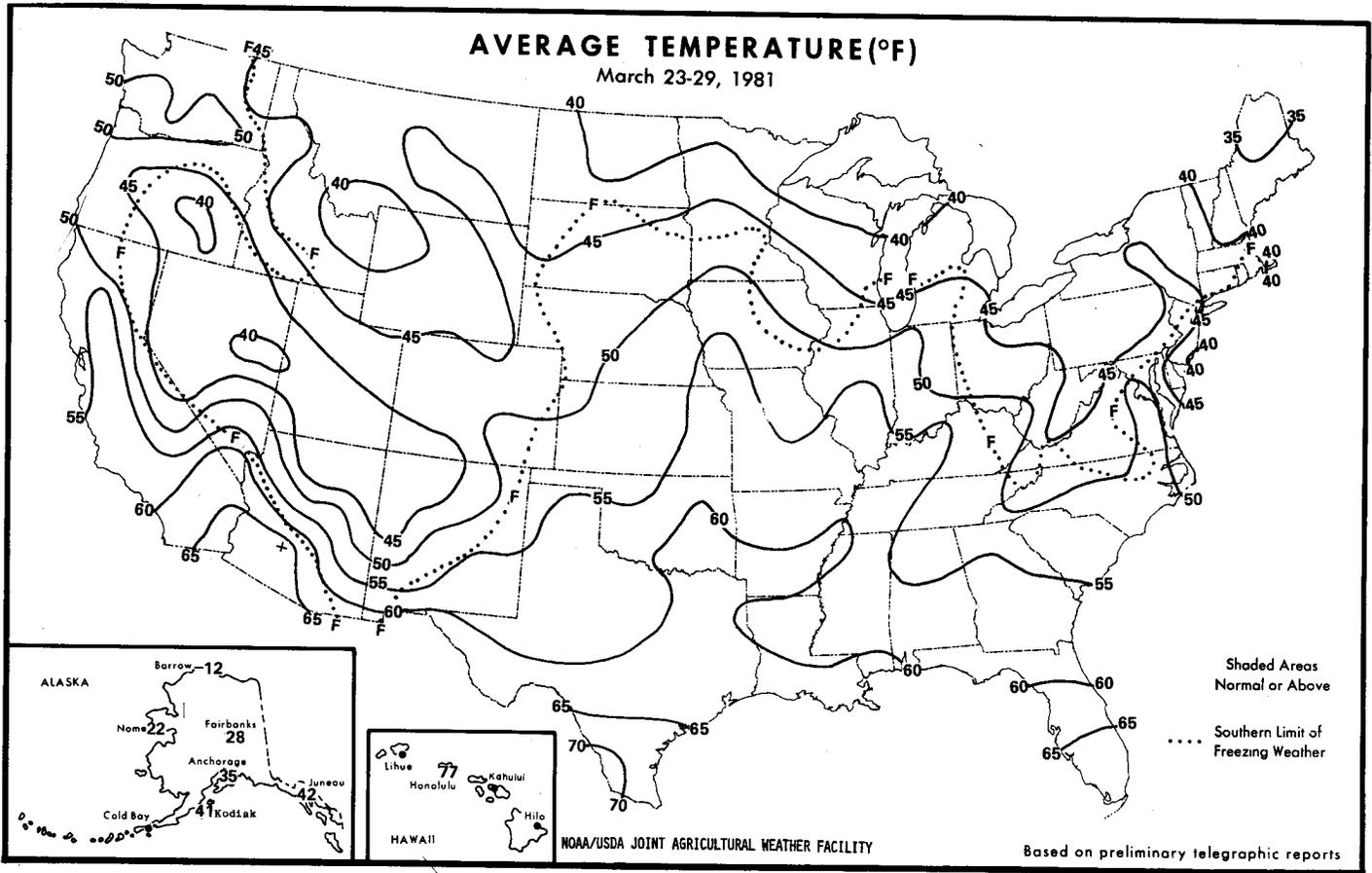
SATURDAY...Thunderstorms developed ahead of the winter storm and reached from Texas to Nebraska and northeastward to southern Minnesota. Tornadoes touched down in western Kansas and hail was reported in central Texas. Northern Texas and much of the central and northern Plains received ½-inch or more of badly needed rain. Snow continued to fall over portions of the central and southern Rockies. Up to ½-foot of snow covered much of eastern Colorado. A few showers were scattered along the gulf coast and heavier showers moved onto the Pacific Northwest coast. Temperatures rose ahead of the cold front. A record was reached at Alpena, Mich., when the mercury climbed to 65°.

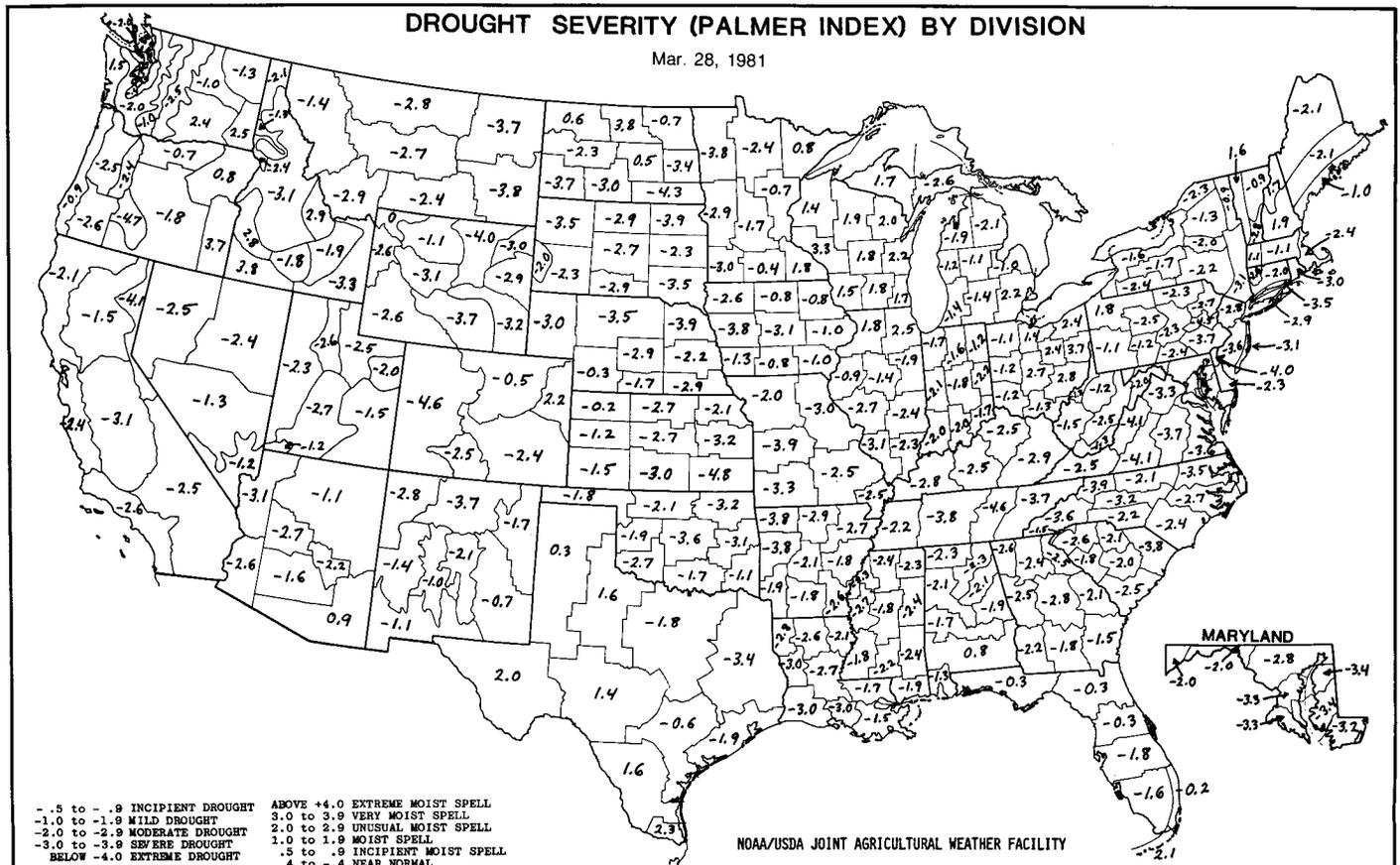
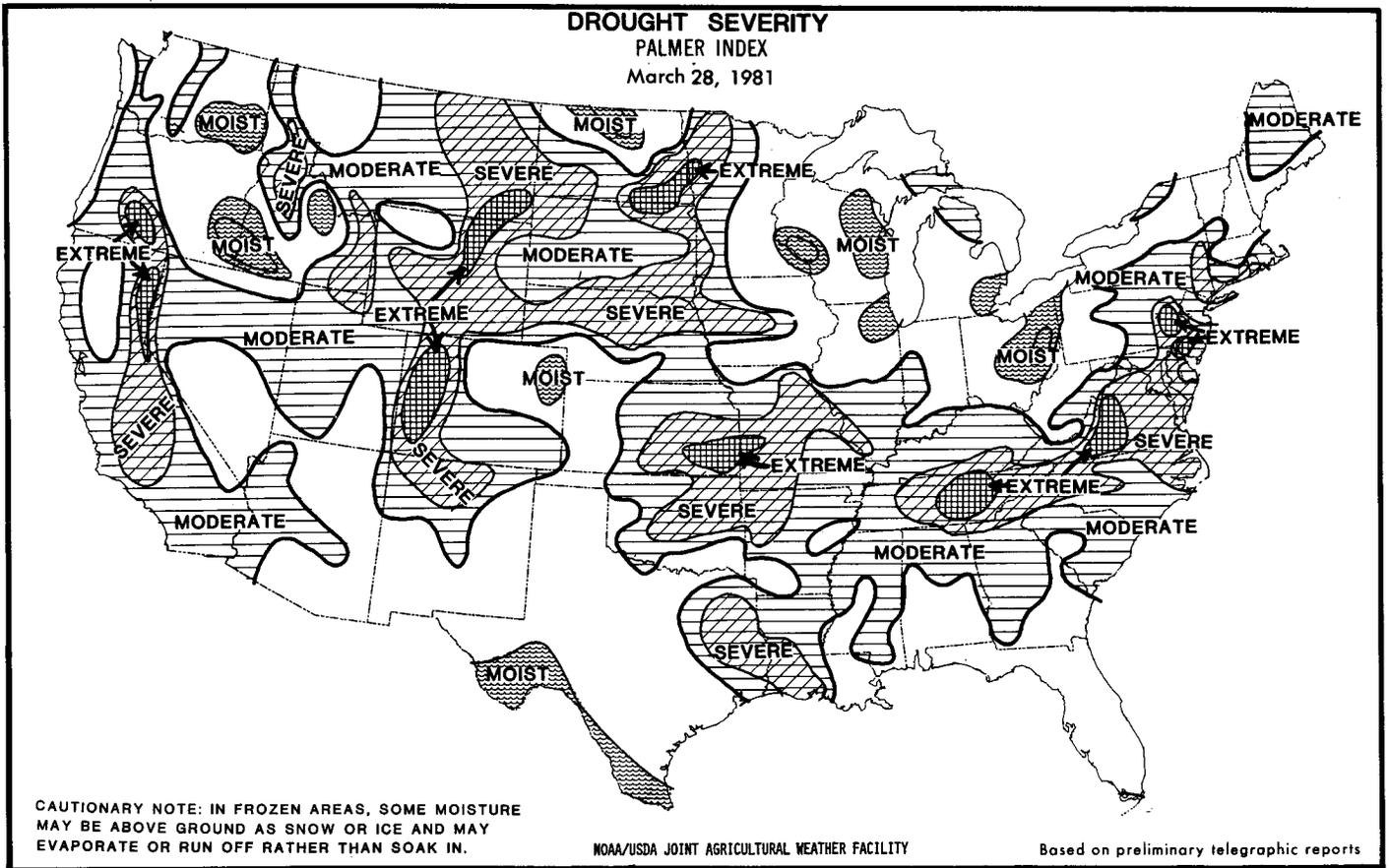
SUNDAY...Showers and thunderstorms moved through the Mississippi Valley ahead of the cold front. Showers fell from the gulf coast to the Great Lakes and eastward through the Ohio Valley and to the Florida Panhandle. The heaviest showers fell from southern Illinois to the gulf and in Alabama. Showers and thunderstorms also reached from western Montana to the Washington coast and from northern California into Idaho.

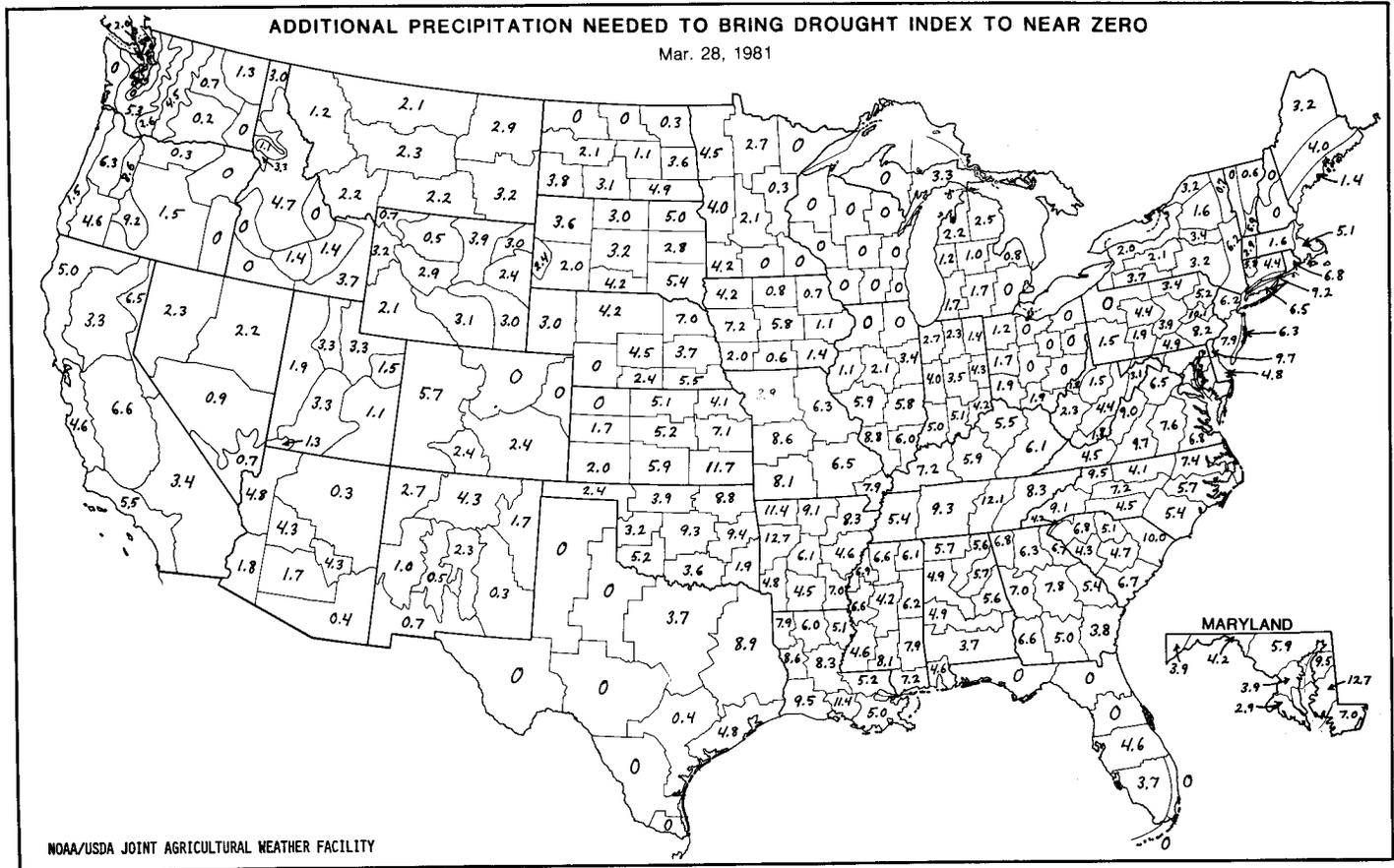
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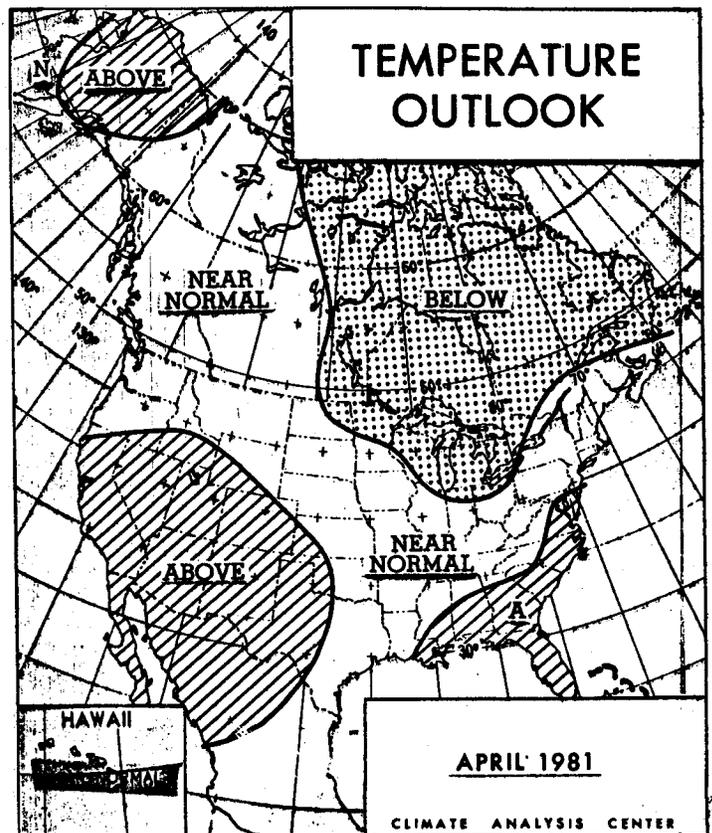
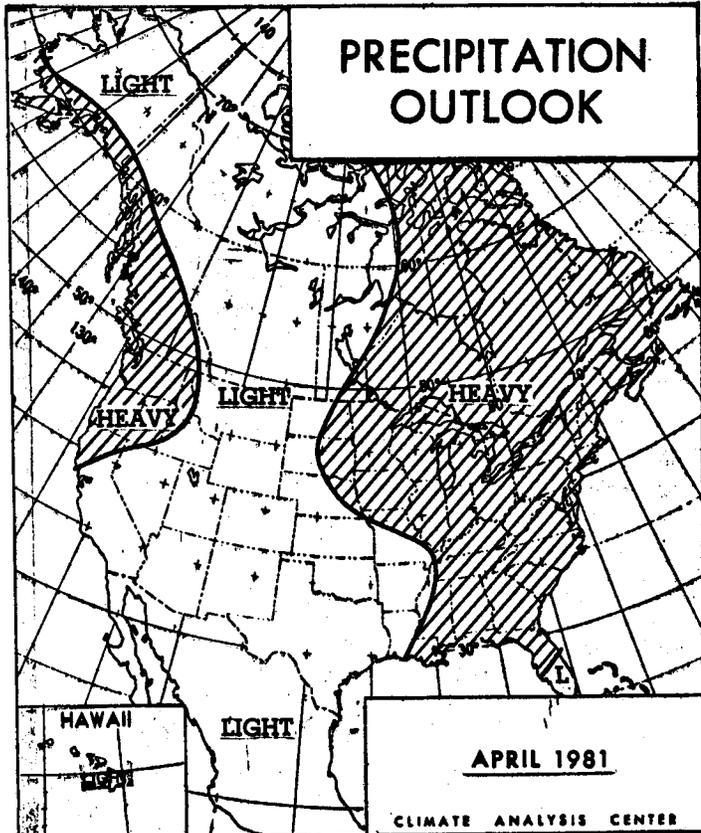


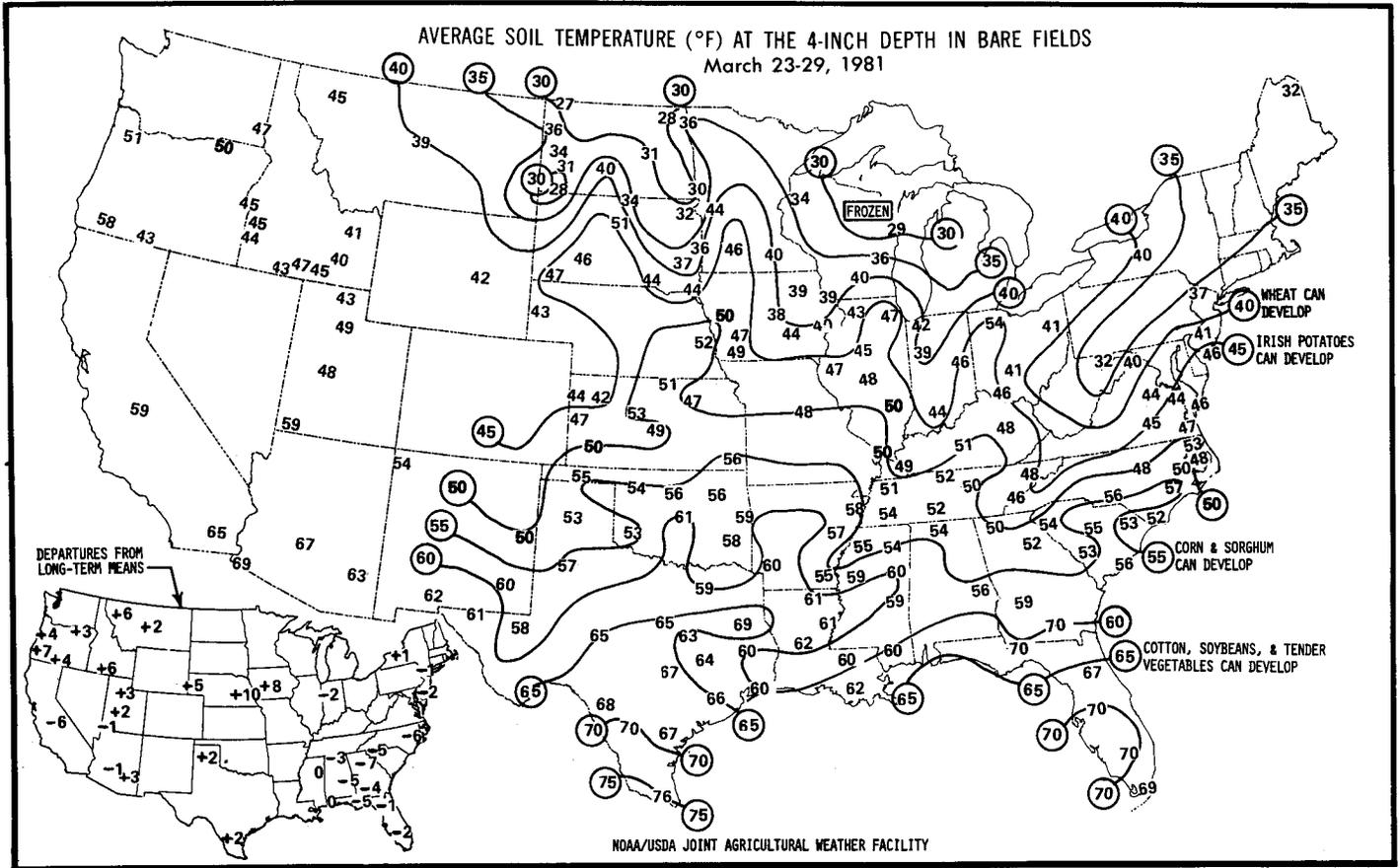






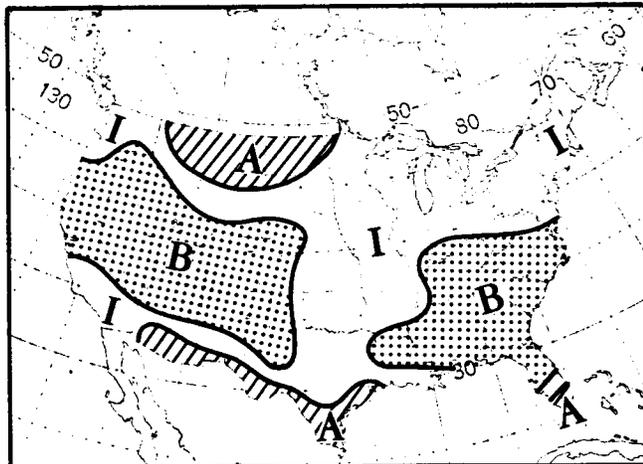
Average Monthly Weather Outlook





OUTLOOK FOR 90 DAY AVERAGE TEMPERATURES

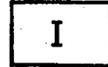
APRIL THROUGH JUNE 1981



ABOVE NORMAL, 60% CHANCE OF OCCURRENCE



BELOW NORMAL, 60% CHANCE OF OCCURRENCE



INDETERMINATE, 50% CHANCE OF ABOVE NORMAL
50% CHANCE OF BELOW NORMAL

The two categories Above and Below are to be compared to the long-term average or "normal" temperatures of the year 1941-70. Each category has a natural climatic frequency or probability of 50%. Each carries a 60% probability of occurring where forecast (shaded area), based on the verification scores of twenty-two years of experimental seasonal predictions.

NOAA, National Weather Service, Climate Analysis Center

Weather Data for the Week Ending Mar. 29, 1981

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar. 2	PCT. NORMAL SINCE Mar. 2	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE OF			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	69	40	80	31	54	-2	1.2	-.2	1.1	4.4	80	10.8	67	84	36	0	2	2	1
AL MOBILE	72	48	77	40	60	-2	.4	-1.3	.4	1.9	29	11.9	73	87	33	0	0	1	0
AL MONTGOMERY	69	43	78	37	56	-4	T	-1.3	T	3.4	63	11.6	83	89	39	0	0	1	0
AK ANCHORAGE	42	28	46	24	35	8	-.1	0	.1	.1	20	2.2	100	80	54	0	6	2	0
AK BARROW	-6	-17	4	-20	-12	0	0	0	T	0	0	.4	44	89	80	0	7	0	0
AK FAIRBANKS	39	18	43	14	28	13	0	.1	T	0	1.0	77	43	35	0	7	0	0	0
AK JUNEAU	46	38	50	37	42	8	.2	.6	.1	1.8	56	11.1	105	92	70	0	0	6	0
AK KODIAK	47	35	50	32	41	8	.6	.2	.4	7.6	217	26.3	195	89	69	0	1	3	0
AK NOME	26	17	33	13	22	12	T	.1	T	.7	100	3.6	150	66	57	0	7	1	0
AZ FLAGSTAFF	51	28	61	25	39	3	.6	.2	.3	3.8	238	6.3	121	--	37	0	7	3	0
AZ PHOENIX	79	55	89	46	67	5	T	.1	T	1.0	143	2.9	161	48	18	0	0	0	0
AZ TUCSON	74	47	83	41	60	0	T	.1	T	2.0	333	4.1	205	66	23	0	0	0	0
AZ WINSLOW	65	33	74	25	49	2	.2	.1	.1	.2	50	1.1	85	--	--	0	3	2	0
AZ YUMA	82	53	93	47	68	2	0	0	0	.2	67	1.0	83	51	18	2	0	0	0
AR FORT SMITH	71	46	77	34	59	5	.6	-.3	.5	3.2	94	7.5	83	85	39	0	0	2	1
AR LITTLE ROCK	70	48	76	39	59	5	.6	-.6	.6	3.2	71	9.4	72	72	39	0	0	1	1
CA BAKERSFIELD	68	49	76	47	58	0	.7	.5	.6	1.9	271	3.8	136	--	44	0	0	2	1
CA EUREKA	57	45	65	43	51	2	1.7	-.8	.8	4.2	98	15.4	91	92	62	0	0	3	2
CA FRESNO	66	46	71	44	56	1	.3	.1	.2	2.2	138	6.5	130	86	48	0	0	2	0
CA LOS ANGELES	64	52	69	48	58	1	0	.4	0	2.5	156	6.2	93	80	59	0	0	0	0
CA RED BLUFF	68	47	73	43	57	3	2.0	1.5	1.8	4.9	204	12.3	119	--	39	0	0	2	1
CA SAN DIEGO	67	58	71	55	63	3	T	.3	T	2.7	169	8.2	164	83	61	0	0	1	0
CA SAN FRANCISCO	62	47	69	43	54	0	.5	0	.4	3.6	157	11.9	120	81	56	0	0	3	0
CA STOCKTON	69	44	72	40	56	2	.3	.1	.2	3.0	176	8.1	117	--	43	0	0	2	0
CO DENVER	59	34	71	25	47	7	.7	.4	.6	2.4	240	3.1	148	72	31	0	1	2	1
CO GRAND JUNCTION	58	37	71	32	47	3	.4	.2	.2	1.0	143	1.3	72	64	28	0	1	2	0
CO PUEBLO	67	36	78	30	51	8	.4	.3	.4	.9	225	1.5	115	68	25	0	2	2	0
CT BRIDGEPORT	51	33	63	25	42	1	.1	-.8	.1	.4	12	5.5	62	93	54	0	3	1	0
CT HARTFORD	58	29	80	22	44	4	.1	-.8	.1	.2	6	7.8	76	84	29	0	5	3	0
DC WASHINGTON	66	42	80	37	54	6	T	-.8	T	.6	19	3.8	46	71	31	0	0	0	0
FL APALACHICOLA	68	47	75	38	58	-5	0	-1.1	0	1.9	43	6.5	56	86	53	0	0	0	0
FL DAYTONA BEACH	71	51	78	44	61	-5	0	-.7	0	1.9	61	7.7	94	88	51	0	0	0	0
FL FORT MYERS	79	56	86	50	68	-3	0	-.7	0	1.4	50	3.8	58	89	42	0	0	0	0
FL JACKSONVILLE	73	46	81	40	59	-4	0	-.2	0	4.3	130	9.9	101	97	46	0	0	0	0
FL KEY WEST	75	66	79	61	70	-6	0	-.4	0	.8	57	3.5	69	80	61	0	0	0	0
FL MIAMI	75	60	79	50	68	-5	.6	0	.6	1.4	82	6.7	108	77	48	0	0	1	0
FL ORLANDO	76	50	83	45	63	-5	.1	-.7	.1	1.8	56	6.4	74	91	44	0	0	1	0
FL TALLAHASSEE	72	43	82	35	58	-5	T	-1.3	T	6.9	125	17.1	120	97	41	0	0	1	0
FL TAMPA	73	50	81	44	62	-6	0	-.8	0	1.7	49	7.5	84	90	48	0	0	0	0
FL WEST PALM BEACH	76	59	81	47	67	-4	T	-.8	T	2.5	83	7.1	86	75	45	0	0	1	0
GA ATLANTA	68	44	75	35	56	2	.1	-1.3	.1	2.1	40	9.7	68	75	33	0	0	1	0
GA AUGUSTA	68	39	76	34	53	-4	T	-1.0	T	2.1	50	8.2	70	88	43	0	0	0	0
GA MACON	71	43	78	36	57	-2	0	-1.1	0	2.7	56	12.6	96	93	40	0	0	0	0
GA SAVANNAH	68	45	78	40	56	-4	0	-.9	0	3.4	83	7.3	74	83	41	0	0	0	0
HI HILO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HI HONOLULU	84	71	87	68	77	4	.1	-.6	T	.6	19	2.4	23	73	48	0	0	3	0
HI KAHULUI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HI LIHUE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ID BOISE	58	37	62	31	47	4	.6	.4	.3	2.7	300	4.9	132	71	41	0	1	3	0
ID LEWISTON	55	40	63	35	47	3	1.2	1.0	.8	1.7	213	3.7	123	88	52	0	0	3	1
ID POCATELLO	51	32	59	27	42	4	.7	.4	.6	1.7	212	3.1	119	83	48	0	5	4	1
IL CAIRO	69	47	78	36	58	6	1.1	0	1.1	2.3	52	7.0	57	--	--	0	0	1	1
IL CHICAGO	60	35	78	23	48	8	.2	-.4	.2	.5	23	2.8	53	86	38	0	3	2	0
IL MOLINE	63	35	76	20	49	9	.5	-.2	.4	.7	32	3.3	62	84	35	0	4	2	0
IL PEORIA	64	38	76	25	51	9	.6	-.1	.6	.8	32	3.6	61	77	39	0	2	2	1
IL ROCKFORD	62	33	76	21	47	8	.5	-.2	.5	.7	30	3.3	61	92	36	0	4	2	1
IL SPRINGFIELD	68	41	79	27	55	11	1.0	.3	1.0	2.2	96	4.7	80	68	36	0	2	3	1
IN EVANSVILLE	69	41	80	28	55	7	.8	-.3	.8	1.8	41	5.2	46	71	32	0	3	2	0
IN FORT WAYNE	60	34	74	26	47	7	.4	-.3	.2	.7	27	4.4	59	76	39	0	3	2	0
IN INDIANAPOLIS	65	36	77	25	50	7	.4	-.5	.3	1.2	36	4.5	52	71	31	0	3	3	0
IN SOUTH BEND	62	39	77	29	51	11	.3	-.5	.2	.5	21	3.2	46	76	39	0	3	2	0
IA BURLINGTON	65	41	77	28	53	12	.2	-.5	.2	.4	17	2.2	42	--	--	0	1	2	0
IA DES MOINES	67	41	76	28	54	15	.3	-.3	.1	.4	19	1.8	41	71	32	0	1	2	0
IA DUBUQUE	62	35	74	23	48	11	.3	-.5	.3	.4	15	3.2	57	80	29	0	4	1	0
IA SIOUX CITY	67	38	73	23	52	14	1.5	1.1	1.4	1.7	121	2.5	83	74	34	0	2	2	1
KS CONCORDIA	65	42	70	29	54	11	.6	-.2	.6	1.3	87	1.5	50	85	46	0	1	1	1
KS DODGE CITY	66	39	74	29	52	8	1.3	.4	.6	1.6	145	2.0	91	91	36	0	1	3	2
KS GOODLAND	62	35	75	31	49	9	.4	-.2	.2	3.6	514	4.6	288	76	36	0	1	3	0
KS TOPEKA	66	44	70	28	55	10	.6	-.1	.4	1.7	89	2.2	56	81	51	0	1	2	0
KS WICHITA	64	43	70	30	53	6	.9	.4	.6	2.2	138	2.7	77	77	52	0	1	3	1
KY LEXINGTON	65	40	76	30	53	5	.2	-.9	.2	1.5	34	6.4	54	63	32	0	1	2	0
KY LOUISVILLE	69	41	79	30	55	7	.6	-.5	.6	1.5	33	5.1	44	68	29	0	1	2	1
LA BATON ROUGE	73	47	80	37	60	-2	.6	-.6	.6	1.7	37	10.1	73	90	47	0	0	1	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Mar. 29, 1981

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 Max. 2	PCT. NORMAL SINCE Mar. 2	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE °F		PRECIPI- TATION		
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
LAKE CHARLES	72	50	77	40	61	-2	.7	.2	.7	1.8	53	7.0	57	88	45	0	0	1	1	
NEW ORLEANS	73	54	76	46	64	1	1.2	0	1.2	2.5	50	11.7	80	84	45	0	0	1	1	
SHREVEPORT	73	46	78	34	59	-1	1.0	.1	1.0	2.1	57	8.5	73	91	43	0	0	1	1	
ME CARIBOU	46	20	53	12	33	5	.1	.4	.1	2.2	110	6.6	103	82	27	0	6	1	0	
PORTLAND	50	27	77	23	39	3	.8	0	.8	1.3	41	9.3	90	86	50	0	5	1	1	
MD BALTIMORE	61	33	78	27	47	1	T	.8	T	.9	27	4.4	48	82	29	0	5	1	0	
MA BOSTON	51	34	77	32	43	2	.3	.6	.2	.5	14	8.2	76	80	50	0	4	2	0	
CHATHAM	45	33	48	29	39	9	.2	.1	.2	1.0	1	8.8	87	61	0	4	2	0	0	
MI ALPENA	54	30	67	20	42	12	.2	.3	.2	.7	41	3.2	65	77	44	0	6	2	0	
DETROIT	58	32	76	25	45	6	.5	.2	.5	.6	27	4.2	72	87	44	0	5	1	0	
FLINT	57	33	71	23	45	8	.5	0	.4	.6	33	3.2	62	79	41	0	4	1	0	
GRAND RAPIDS	59	31	69	22	45	8	.8	.1	.8	.9	41	3.3	58	88	48	0	3	1	1	
HOUGHTON LAKE	54	30	66	20	42	11	.2	.2	.2	.5	31	3.6	80	87	44	0	6	1	0	
LANSING	58	32	72	21	45	8	.5	.1	.5	.7	32	2.6	46	85	44	0	3	2	0	
MARQUETTE	48	26	61	18	37	11	.2	.3	.2	2.0	100	6.3	117	92	57	0	5	2	0	
MUSKEGON	54	32	66	21	43	7	.4	.2	.4	.6	29	4.3	69	81	48	0	5	2	0	
SAULT STE. MARIE	49	27	56	23	38	10	.3	.2	.2	.9	56	4.0	78	88	53	0	6	2	0	
MN DULUTH	46	28	60	20	37	9	.9	.5	.4	1.0	63	2.7	73	87	61	0	6	4	0	
INT'L FALLS	48	29	54	20	38	12	.8	.5	.4	.8	80	1.3	50	77	54	0	5	5	0	
MINNEAPOLIS	60	38	75	32	49	15	.6	.2	.4	.6	43	3.0	103	66	41	0	1	3	0	
ROCHESTER	59	34	70	25	46	13	.5	0	.3	.5	31	2.7	100	83	45	0	4	3	0	
SAINT CLOUD	60	33	71	22	46	15	1.0	.6	.8	1.0	83	2.5	89	77	—	0	4	3	1	
MS JACKSON	73	44	80	34	58	-1	1.1	.2	1.1	4.8	92	10.2	70	87	38	0	0	1	1	
MERIDIAN	75	42	81	33	58	-1	2.9	1.5	2.9	7.1	125	14.2	95	84	31	0	0	1	1	
MO COLUMBIA	65	42	74	31	54	8	.4	.2	.3	1.3	54	3.2	54	73	36	0	1	1	0	
KANSAS CITY	66	44	75	28	55	10	.6	.1	.6	1.4	61	2.2	44	81	48	0	1	1	1	
SAINT LOUIS	68	44	78	32	56	9	1.9	1.1	1.6	3.0	111	5.9	89	79	41	0	2	3	1	
SPRINGFIELD	69	43	78	30	56	8	1.0	.3	.7	2.3	88	5.0	74	78	37	0	2	2	1	
MT BILLINGS	59	32	68	29	46	10	.6	.4	.6	1.6	200	1.9	90	62	29	0	4	2	1	
GLASGOW	55	29	64	20	42	12	.3	.1	.2	.3	60	.4	29	81	41	0	5	2	0	
GREAT FALLS	53	32	58	30	42	9	.6	.3	.3	1.8	200	2.6	100	71	43	0	4	3	0	
HAVRE	57	31	64	25	44	13	.2	.1	.1	.4	100	.5	38	85	32	0	4	4	0	
HELENA	55	29	62	22	42	8	.5	.4	.3	1.1	220	1.3	93	84	39	0	5	2	0	
KALISPELL	56	31	59	24	43	10	.6	.4	.4	1.1	138	4.6	131	82	37	0	4	4	0	
MILES CITY	56	33	62	27	44	10	.3	.2	.2	.3	75	.5	38	68	40	0	3	2	0	
MISSOULA	54	33	59	28	44	7	.9	.7	.5	1.2	240	2.1	84	88	48	0	4	3	1	
NE GRAND ISLAND	64	38	71	30	51	11	1.5	1.1	1.4	3.2	291	3.6	157	88	47	0	1	2	1	
LINCOLN	67	43	73	27	55	14	.6	.2	.6	2.0	143	2.4	86	81	48	0	1	2	1	
NORFOLK	65	36	71	26	50	13	2.5	2.1	2.4	2.6	200	3.1	119	79	33	0	3	2	1	
NORTH PLATTE	64	34	76	25	49	11	1.9	1.6	1.8	2.7	300	3.0	167	95	40	0	3	2	1	
OMAHA	66	42	73	36	54	15	.4	.1	.4	1.0	67	1.4	44	69	47	0	0	2	0	
VALENTINE	61	32	74	26	47	12	1.0	.8	.8	1.2	200	1.4	93	71	38	0	3	2	1	
NV ELY	52	26	59	20	39	4	.4	.2	.2	1.3	163	2.3	128	78	38	0	7	4	0	
LAS VEGAS	74	48	87	42	61	4	T	.1	T	.9	225	1.8	138	49	22	0	0	1	0	
RENO	55	31	64	25	43	1	.2	.1	.1	.6	120	1.6	59	77	36	0	4	3	0	
WINNEMUCCA	54	29	61	20	42	2	.5	.3	.2	1.0	143	2.0	83	69	40	0	6	4	0	
NH CONCORD	53	25	76	18	39	3	.3	.3	.3	.8	32	9.0	118	73	40	0	5	1	0	
NJ ATLANTIC CITY	55	25	72	16	40	-4	T	.9	T	.9	23	5.2	47	79	41	0	6	1	0	
TRENTON	56	37	72	32	46	1	.1	.7	.1	.7	21	4.5	51	—	—	0	1	2	0	
NM ALBUQUERQUE	65	33	75	31	49	0	.2	.1	.1	.8	160	1.6	114	56	21	0	4	3	0	
ROSWELL	71	42	81	34	57	5	T	.1	T	.2	50	.7	54	—	—	0	0	0	0	
NY ALBANY	57	28	80	19	43	5	.1	.5	.1	.2	8	5.8	84	75	35	0	6	2	0	
BINGHAMTON	52	32	73	28	42	7	T	.7	T	.4	15	5.2	70	76	36	0	5	1	0	
BUFFALO	54	33	67	28	43	7	.4	.3	.2	1.5	58	6.1	75	91	39	0	5	2	0	
NEW YORK	55	39	74	35	47	3	T	.9	T	.8	22	6.8	70	73	40	0	0	1	0	
ROCHESTER	56	32	74	26	44	7	.2	.4	.2	.8	35	5.2	73	77	32	0	6	1	0	
SYRACUSE	59	32	79	24	46	8	.1	.6	.1	.6	21	4.6	55	82	33	0	6	2	0	
NC ASHEVILLE	61	33	71	27	47	-2	T	1.0	T	1.7	40	6.9	60	96	39	0	3	0	0	
CHARLOTTE	64	39	75	31	52	-2	.2	1.0	.2	1.1	26	5.2	44	68	34	0	1	1	0	
GREENSBORO	62	36	73	30	49	-2	.6	.2	.4	1.9	58	6.2	62	80	37	0	3	2	0	
HATTERAS	57	35	67	28	46	-7	1.1	.3	.5	2.2	63	6.0	49	69	54	0	3	2	2	
RALEIGH	65	36	77	30	50	-2	.5	.3	.4	1.9	61	5.9	61	86	35	0	2	2	0	
WILMINGTON	65	40	75	33	53	-5	T	.9	T	2.7	71	6.9	66	85	45	0	0	1	0	
ND BISMARCK	54	27	63	17	40	10	.1	.1	.1	.1	17	.7	47	89	49	0	6	2	0	
FARGO	54	33	66	20	44	14	.5	.3	.3	.5	83	1.1	73	77	50	0	3	2	0	
WILLISTON	57	30	65	26	44	14	.2	0	.2	.2	40	.6	43	35	0	6	1	0	0	
OR AKRON-CANTON	56	32	75	26	44	4	.7	.1	.7	1.7	61	7.1	91	78	37	0	5	1	1	
CINCINNATI	64	37	76	25	50	5	.7	.2	.4	1.7	46	6.2	61	66	30	0	3	3	0	
CLEVELAND	56	32	76	24	44	4	.7	0	.6	1.5	54	5.1	65	85	41	0	5	1	1	
COLUMBUS	62	34	77	26	48	5	.2	.6	.1	.9	30	6.3	76	74	34	0	4	3	0	
DAYTON	63	35	76	27	49	6	.3	.4	.2	1.1	38	4.7	59	67	29	0	4	3	0	
TOLEDO	59	30	77	21	45	5	.4	.2	.2	.6	27	4.5	74	85	41	0	6	2	0	
YOUNGSTOWN	56	33	74	28	45	5	.9	.1	.9	1.9	63	6.6	79	72	35	0	4	1	1	
OK OKLAHOMA CITY	68	44	70	33	56	4	.6	.1	.6	2.9	161	4.2	93	79	46	0	0	1	1	

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

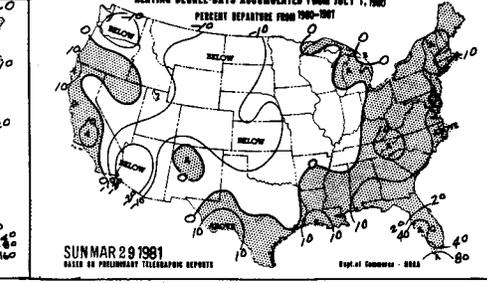
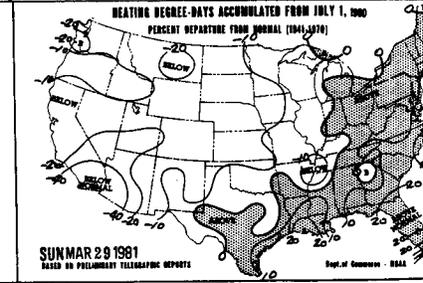
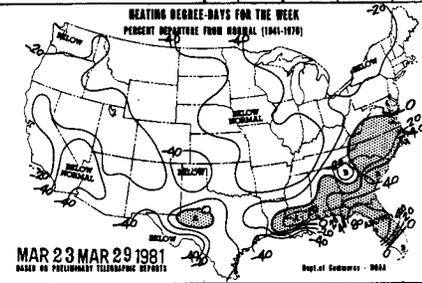
Weather Data for the Week Ending Mar. 29, 1981

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar. 2	PCT. NORMAL SINCE Mar. 2	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
OR TULSA	72	49	75	36	60	8	.1	.6	.1	1.7	74	4.1	73	75	37	0	0	1	0
OR ASTORIA	57	45	63	40	51	6	2.4	1.0	.9	3.6	60	14.7	62	70	65	0	0	6	2
OR BURNS	50	30	60	24	40	2	.7	.5	.6	1.7	213	3.4	89	79	45	0	5	3	1
OR MEDFORD	59	38	66	32	49	2	.5	.2	.2	1.2	75	3.6	49	95	51	0	1	4	0
OR PENDLETON	57	40	63	36	49	3	.8	.5	.4	1.3	144	3.6	95	82	52	0	0	3	0
OR PORTLAND	58	45	62	41	52	5	.6	.1	.2	2.2	67	7.6	57	89	63	0	0	5	0
OR SALEM	58	41	60	34	49	3	1.3	.4	.5	2.9	71	8.3	53	90	60	0	4	0	1
PA ALLENTOWN	57	32	73	27	45	3	T	.8	T	.6	19	5.9	65	87	34	0	0	5	0
PA ERIE	53	31	74	22	42	5	.2	.5	.2	1.1	44	7.2	99	--	--	0	5	2	0
PA HARRISBURG	57	31	74	25	44	-1	T	.7	T	.9	31	7.2	89	--	--	0	4	1	0
PA PHILADELPHIA	58	33	72	27	46	1	.1	.8	.1	1.3	39	4.8	55	82	34	0	3	1	0
PA PITTSBURGH	56	31	75	25	44	1	.3	.5	.2	1.8	56	6.5	77	82	35	0	6	2	0
PA SCRANTON	56	32	75	27	44	4	T	.6	T	.3	14	9.0	143	69	33	0	6	1	0
RI PROVIDENCE	56	32	77	25	44	3	.2	.7	.1	.4	11	6.0	56	85	38	0	3	2	0
SC CHARLESTON	67	41	78	35	54	-5	T	1.0	T	2.0	47	5.2	49	80	47	0	0	0	0
SC COLUMBIA	68	39	78	32	54	-4	T	1.0	T	1.8	43	6.7	58	85	40	0	1	1	0
SC GREENVILLE	65	39	75	31	52	-2	T	1.2	T	1.5	31	5.6	42	76	38	0	2	0	0
SD ABERDEEN	57	30	66	21	44	11	1.0	.7	.9	1.0	125	1.4	78	72	51	0	5	2	1
SD HURON	59	33	69	22	46	12	.9	.6	.6	.9	100	1.0	48	87	50	0	3	3	1
SD RAPID CITY	58	31	62	25	44	10	T	.3	T	.1	13	.4	22	74	34	0	6	2	0
SD SIOUX FALLS	63	35	68	21	49	14	1.4	1.1	1.2	1.4	117	1.9	66	79	40	0	3	3	1
TN CHATTANOOGA	67	39	75	30	53	0	.5	.7	.5	2.8	54	10.0	67	85	33	0	2	1	0
TN KNOXVILLE	65	40	76	29	53	0	.2	.9	.2	1.6	36	6.4	45	77	39	0	2	1	1
TN MEMPHIS	71	49	81	40	60	5	2.2	1.0	2.2	4.9	109	9.9	69	64	31	0	0	1	1
TN NASHVILLE	68	41	77	29	55	2	1.0	.2	1.0	3.1	67	8.6	62	74	32	0	1	1	0
TX ABILENE	71	45	75	32	58	0	.1	.2	.1	2.0	250	4.6	159	74	31	0	1	1	0
TX AMARILLO	71	40	83	29	56	7	.1	.1	.1	1.9	317	2.2	147	68	23	0	1	1	0
TX AUSTIN	74	53	81	43	64	1	.1	.3	.1	2.6	153	6.0	87	88	47	0	0	1	0
TX BEAUMONT	73	53	78	44	63	0	T	.7	T	2.0	71	8.8	78	84	54	0	0	1	0
TX BROWNSVILLE	78	60	86	47	69	-1	0	.1	0	3.5	700	6.1	174	92	53	0	0	0	0
TX CORPUS CHRISTI	74	56	78	44	65	-2	T	.2	T	2.4	267	6.8	148	87	52	0	0	0	0
TX DEL RIO	78	51	82	43	64	-1	.5	.3	.5	1.5	250	2.4	104	79	32	0	0	1	1
TX EL PASO	75	46	85	40	61	3	T	.1	T	.4	80	2.0	143	42	16	0	0	1	0
TX FORT WORTH	70	48	76	36	59	1	.5	.1	.3	3.0	130	5.4	82	89	50	0	0	3	0
TX GALVESTON	67	59	69	53	63	0	T	.6	T	.3	12	3.8	46	91	48	0	0	1	0
TX HOUSTON	75	51	80	41	63	0	.4	.2	.4	1.8	72	6.4	65	91	48	0	0	1	0
TX LUBBOCK	70	41	81	31	56	4	T	.2	T	1.2	150	2.1	124	78	24	0	1	1	0
TX MIDLAND	69	41	76	32	55	-2	0	.1	0	.4	80	1.7	121	78	28	0	1	0	0
TX SAN ANGELO	70	44	76	34	57	-3	T	.2	T	2.2	275	4.5	188	80	33	0	0	0	0
TX SAN ANTONIO	76	51	83	38	64	0	T	.3	T	1.2	92	5.0	94	90	43	0	0	2	0
TX VICTORIA	75	54	78	42	65	0	T	.4	T	1.0	63	4.4	76	90	53	0	0	1	0
TX WACO	71	49	76	34	60	0	1.2	.6	1.1	2.5	119	5.7	89	91	49	0	0	2	1
TX WICHITA FALLS	69	48	76	33	59	3	.2	.2	.2	1.9	127	5.4	138	81	46	0	0	2	0
UT BLANDING	55	31	64	26	43	2	.2	0	.2	2.6	325	3.0	103	71	39	0	3	3	0
UT SALT LAKE CITY	56	36	66	34	46	4	1.4	1.0	.8	2.0	133	3.5	85	78	42	0	0	4	1
VT BURLINGTON	52	30	72	24	41	7	.4	.1	.4	1.2	71	7.1	139	85	45	0	5	2	0
VA LYNCHBURG	62	34	74	28	48	-1	.4	.4	.4	1.2	38	5.5	63	76	31	0	1	2	1
VA NORFOLK	59	39	75	31	49	-2	.8	.1	.7	1.7	57	5.0	51	82	44	0	1	2	1
VA RICHMOND	63	34	77	28	48	-2	.4	.3	.3	1.1	35	4.5	49	79	31	0	3	1	0
VA ROANOKE	61	33	73	28	47	-2	.4	.3	.3	1.5	48	4.3	47	74	30	0	5	3	0
WA COLVILLE	53	36	63	30	45	5	.5	.3	.3	1.4	127	4.2	91	--	--	0	2	3	0
WA OMAK	60	36	72	26	48	--	.1	--	.1	.6	--	3.7	106	96	67	0	0	6	4
WA QUILLAYUTE	55	41	61	34	48	6	5.2	2.9	1.7	8.6	88	24.2	66	96	67	0	0	6	4
WA SEATTLE-TACOMA	56	44	62	39	50	5	.9	.1	.4	1.9	58	8.8	67	86	56	0	0	4	0
WA SPOKANE	51	34	58	29	43	3	1.1	.7	.6	1.4	93	3.7	64	94	58	0	3	3	1
WA WALLA-WALLA	59	44	64	40	51	3	1.3	.9	.8	2.7	208	6.9	138	82	58	0	0	3	1
WA YAKIMA	62	41	69	29	52	8	T	.1	T	.1	20	1.7	65	71	35	0	1	1	0
WV BECKLEY	55	32	72	25	44	0	.3	.7	.2	1.6	41	4.3	39	72	35	0	6	2	0
WV CHARLESTON	64	35	78	27	50	1	.3	.6	.3	1.7	47	7.3	70	80	28	0	3	2	0
WV HUNTINGTON	65	37	79	28	51	3	.1	.8	.1	1.5	39	6.4	64	78	29	0	3	2	0
WV PARKERSBURG	62	37	79	30	49	2	.4	.5	.4	1.2	35	5.2	56	74	28	0	3	2	0
WI GREEN BAY	56	30	70	23	43	9	.2	.2	.1	.3	19	3.0	77	89	44	0	6	4	0
WI LA CROSSE	62	37	73	25	49	13	.5	0	.5	.5	28	2.8	78	83	40	0	3	2	1
WI MADISON	62	31	75	20	46	11	.2	.3	.1	.3	17	2.8	67	88	33	0	5	3	0
WI MILWAUKEE	54	32	72	21	43	7	.4	.2	.2	.5	25	3.7	76	88	48	0	3	2	0
WY CASPER	55	31	66	25	43	9	.2	.1	.2	.8	89	1.5	83	--	31	0	6	1	0
WY CHEYENNE	53	30	64	28	41	8	.3	0	.3	.7	78	1.2	67	77	39	0	7	1	0
WY LANDER	56	30	65	28	43	7	.7	.3	.6	2.0	182	2.9	132	74	32	0	6	2	1
WY SHERIDAN	56	27	69	21	42	7	.2	.1	.1	.5	50	1.1	44	76	32	0	7	2	0
PR SAN JUAN	87	75	91	74	81	4	2.2	1.7	.9	4.4	244	9.8	121	76	52	0	0	6	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 29, 1981.
BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1980.

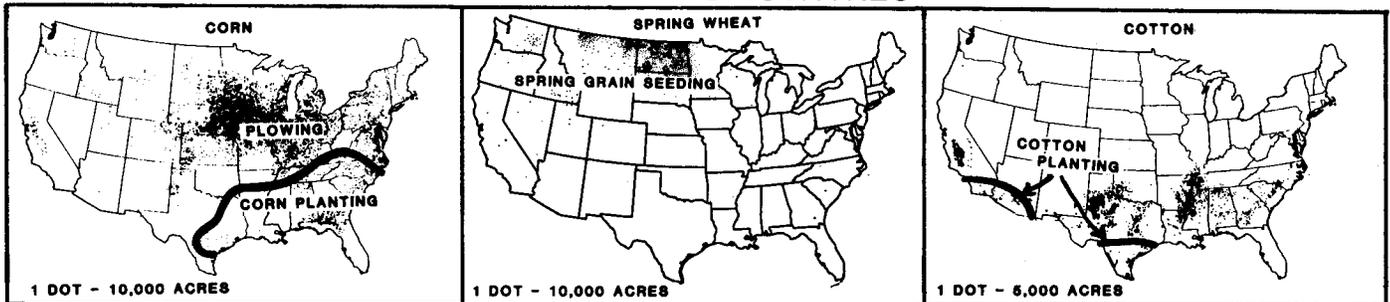
Table with columns for STATES AND STATIONS, WEEKLY TOTAL DEPARTURE, SEASONAL ACCUMULATION DEPARTURE FROM 1979-80, and similar columns for the second and third sections. Lists various cities and their corresponding weather data.



National Agricultural Summary

MARCH 23-29, 1981

AGRICULTURAL ACTIVITIES



HIGHLIGHTS: Mild temperatures and light precipitation on the Great Plains encouraged winter wheat growth and temporarily improved prospects for the crop. Four to seven days were suitable for field-work throughout the Nation. As a result, land preparation and planting moved ahead rapidly with progress well ahead of last year and average. Most areas need additional rain to restore soil moisture supplies which were still short to adequate in nearly all areas. Winter wheat condition improved during the week. By the end of the week, the crop was rated as fair to mostly good. Greening extended into Montana, and stands were jointing in the South. Corn planting advanced rapidly and was well ahead of normal. Cotton planting centered in Arizona and Texas. Sorghum planting passed the halfway mark in Texas. Rice planting gained momentum in the Delta States and Texas. Peach trees were past full bloom in South Carolina; buds were swelling in New Jersey. Livestock were in fair to good condition as calving and lambing continued. Losses of newborn were light.

SMALL GRAINS: Winter wheat rated fair to mostly good in all major producing States where above normal temperatures and timely rains temporarily improved prospects in many areas. The crop was greening as far north as Montana, jointing in the Southern States, and heading on early planted stands in Arizona. Wind damage and winterkill appeared light as plants greened. Growers fertilized and sprayed fields as conditions permitted. Seeding progress of spring grains was ahead of average.

Kansas winter wheat generally rated good as recent rains improved prospects. Greenbug populations increased rapidly, especially in southern areas. Seeding of oats was 90% complete and spring barley was 80% planted.

Oklahoma small grains made excellent growth. Greenbugs were present in all areas, but the most extensive damage was reported in the north and west. Control measures were increased during the week.

Montana winter wheat rated fair to good. Growth began in southern areas. Planting of spring wheat was well underway in southern Montana and just getting underway in other areas.

OTHER CROPS: Cotton planting centered in Texas and Arizona. High winds interrupted seeding in South Texas. Replanting was underway in the Lower Valley and Coastal Bend areas where some fields failed to develop because of coldness and wetness. Land preparations and preplanting irrigation was active on the Texas Plains and in full swing in Arizona. Earliest plantings produced good stands and were growing well.

Corn planting was active as far north as Virginia. Plants began emerging in the extreme

South. In most areas, planting was generally well ahead of last year and average. Florida growers were nearly finished planting and Georgia growers reached 59% complete, compared with 20% last year and the average of 39%. Stands in Georgia were poor to fair with light wind and sand damage evident.

Grain sorghum planting remained centered in Texas where 54% was planted, 1 point ahead of a year ago and 10 points ahead of average. Short moisture and high winds delayed seeding in some southern areas.

Texas rice seeding was 36% finished, 10 points ahead of last year and the average. Seeding reached 28% complete in Louisiana and 5% complete in Mississippi.

Tobacco plantbeds were fair to mostly good. Transplanting reached 22% complete in Georgia; plants were in fair to good condition.

FRUITS AND NUTS: Peach trees were past full bloom as far north as South Carolina; buds were swelling in New Jersey. Texas pecan trees were budding.

Florida citrus groves were in good condition, with most trees in full bloom. Bloom was light in groves defoliated by earlier freezes. The Valencia harvest was slow.

Arizona's Valencia harvest continued in full swing, but the grapefruit harvest slowed and the lemon harvest tapered off.

In the Rio Grande Valley of Texas, the grapefruit and Valencia orange harvests continued. On the High Plains, peach trees were in full bloom with petal fall starting.

The California citrus harvest continued. In the San Joaquin Valley, prunes were in full bloom and grapes were budding. New crop Desert Navel oranges showed heavy bloom.

VEGETABLES: Mild days and cool nights prevailed in Florida's vegetable growing areas. Winds were light to moderate; rainfall was light and scattered. Total shipments declined 2% from the previous week. Decreases were reported for cabbage, carrots, cauliflower, chinese cabbage, lettuce, and radishes while snap beans, sweet corn, cucumbers, eggplant, okra, peppers, potatoes, squash, and strawberries increased.

Arizona's lettuce harvest progressed in the Yuma and Salt River Valley areas. The mixed vegetable harvest made good progress; later plantings approached maturity.

California's asparagus harvest increased with warmer weather in the Delta area, but decreased in the Imperial Valley. Good supplies of broccoli and cauliflower were available from the Central Coast. Strawberry picking gained momentum on the South Coast. Tomato planting continued as weather permitted.

(Continued on Page 19)

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 ESS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 2° below normal. Less than 32° in northern counties, near freezing elsewhere, except Gulf Coast. Rainfall 1.00 to 3.00 in.

Fieldwork on schedule, plowing 75%, corn planted 40%, 9% 1980. Condition: Wheat good; pastures and livestock fair. Feed supply from pastures short; stored feed very short. Activities: Land preparation, planting, chemical applications, orchard spraying, care of livestock and poultry.

ARIZONA: Winter storm latter part week, much cooler air. Precipitation confined Central Basin, Mogollon Rim northward. Amounts 0.10 to 0.50 in., locally 0.75 in. Snow level 4,500 ft., mostly between 1.00 to 10.00 in. Mogollon Rim, White Mountains. Average temperatures 2° below to 6° above normal.

Land preparations, planting cotton full volume, earliest plantings good stand, growing well. Small grains, well advanced, ahead normal, head development underway earliest plantings. Sugarbeets excellent growth. Alfalfa cutting, baling active. Safflower planting mostly complete, earliest plantings establishing stands. Land preparations corn, sorghum good progress, limited planting underway, few early fields growing well. Lettuce harvest seasonal progress Yuma, Salt River Valley. Mixed vegetable harvest good progress, plantings later spring approaching maturity. Cantaloup, watermelon planting complete, earliest plantings good stands. Valencia orange harvest full swing, grapefruit harvest slow, lemon harvest active, tapering off. Grapes good progress. Deciduous fruit growing well. Ranges poor to fair. Water supplies short to adequate, livestock fair to good.

ARKANSAS: A light freeze occurred early in the week. Rains occurred last part of week, amounts varied. State is still dry. Highest temperature 80°, lowest 22°. All departures from normal ranged from +4 to -3°. Most rainfall 1.37 in., least trace.

Wheat excellent condition. Disease and insect damage minimal to date. General land preparation nearing completion, ahead of schedule. Producers awaiting appropriate planting date on spring crops. Fertilization of late pastures complete. Average 4 days suitable for fieldwork. Soil moisture supplies remain short. Livestock fair to good condition.

CALIFORNIA: There were very near normal temperatures, except in south which averaged 2 to 3° above normal. The North Coast received ample precipitation while the south was dry. The Sacramento Valley received good moisture, an average of 1.50 in. The San Joaquin received about 0.75 in. Snow moisture is still about half of last year.

Widespread rains beneficial to small grains. Wet conditions slowing all fieldwork. Sugarbeets being sprayed for aphids. Alfalfa doing well, being sprayed for weevils. Widespread application of contact herbicides to control broadleaf weeds. Rains hampered spraying for fungus and disease control on fruit trees. Prunes in full bloom San Joaquin Valley. Citrus harvest continued. Grapes budding in San Joaquin Valley. Heavy bloom on new crop Desert Navel oranges. Artichokes heavy supply, Central Coast. Asparagus increasing with warmer weather, Delta; decreasing Imperial. Broccoli, cauliflower good supply Central Coast. Cantaloup planting continues. Carrots active Desert. Celery active Oxnard. Sweet corn planting continues Orange;

growing well Coachella. Lettuce gaining momentum Westside; nearly complete Palo Verde. Onions windrowed Imperial. Green peas flowering San Mateo. Pepper planting delayed, wet fields. Strawberry gaining momentum South Coast; two weeks away Fresno. Sweetpotato ground preparation progressing well. Tomato planting continues, weather permitting. Range grass making excellent growth. Cattle showing good gains. Stockwater supplies adequate. Lambing continues. Milk, egg production normal.

COLORADO: High elevations 0.25 to 0.50 in. precipitation 24th with new snow amounts of 8 to 10 in. in northern mountains, northeastern foothills. Other areas less than 0.10 in. On 27th, 28th, 29th precipitation averaged 0.25 to 0.50 in. north and 0.10 to 0.20 in. in south. Very little precipitation in San Luis Valley. Temperatures averaged 3 to 4° above normal.

Barley seeded 18%, 6% 1980, 8% average; sugarbeets seeded 3%, 1% 1980, 1% average. Spring wheat seeded 3%, 1% 1980. Fieldwork: 2.5 days suitable. Ranges and pastures poor to fair condition. Livestock good condition.

FLORIDA: Cool northerly winds gusting in excess of 25 mph blew across the State early week with much below normal temperatures. Low pressure and a frontal system moved into the Atlantic as high pressure built south in the Gulf. Dry, cool air persisted into the 26th and an upper air disturbance brought some isolated light showers central, south areas with 0.25 to 0.50 in. rains along the lower East Coast. A high pressure moved east into the Atlantic late on the 26th. Warmer air and above normal temperatures returned on the 27th. Under sunny skies, by afternoon of 28th, temperatures reached the low 80's. Cloudiness and winds increased on 29th; thunderstorms in advance of a frontal system brought 0.50 in. rains to the western Panhandle late that night. Temperatures averaged 6 to 8° below normal. Little or no rain occurred except near the East Coast and western Panhandle.

Pastures poor to fair. Weekend rains throughout much of State improved condition somewhat but continued cool weather preventing appreciable growth. Cattle mostly fair to good, improved slightly. Soil moisture mostly adequate except along upper East Coast where dry conditions continue. Corn planting nearing completion. Tobacco transplanting active. Peanut planting increasing. High winds causing some damage to young seedlings or plants. Sugarcane harvest complete except for few late fields. Young cane improving as weather warms. Wheat and oats good condition. Citrus groves good condition. Soil moisture adequate. Most trees full open bloom. Bloom light in groves defoliated by freezes. Valencia orange harvest slow due to lack of desirable maturity ratios. Mild days, cool nights prevailed in vegetable areas. Temperatures were much below normal during first part of week but warming on 27th. Winds were light to moderate. Rainfall mostly light and scattered. Total shipments down 2% from previous week. Harvest gained snap beans, sweet corn, cucumbers, eggplant, okra, peppers, potatoes, squash and strawberries. Steady supplies available celery, escarole, parsley and tomatoes. Supplies declined cabbage, carrots, cauliflower, Chinese cabbage, lettuce and radishes. Strawberry harvest has peaked Hillsborough-Manatee area. Watermelon crop showing good progress.

GEORGIA: Early part of week very cold and wet with latter portion of week dry and warmer. Rainfall heaviest the southern sections with 1.00 to 1.25 in. Totals in central 0.30 to 0.75 in. Northern portion dry with rainfall less than 0.50 in. Temperatures 5 to 8° below normal central and north, south 8 to 10° below normal.

Soil moisture short to mostly adequate. Five days suitable for fieldwork. Corn 59% planted, 20% last year, average 39%. Condition of emerged fields poor to fair, light wind and sand damage. Tobacco 22% transplanted, 17% last year, average 38%. Condition mostly fair to good. Warmer weather needed for corn and tobacco. Watermelons 51% planted, 24% last year, 55% average. Condition poor to fair. Small grains fair to good. Liming, fertilizing and applying nitrogen. Cotton planting slow starting, same as last year's 0% progress, average 3%. Peaches and apples fair to good condition. Pastures, cattle and hogs continue to be in fair to good condition.

HAWAII: Weather favorable. Rains beneficial to all agricultural sectors. Winds stronger than normal during weekend. No serious crop damage. Plantings improving most sections. Vegetables: Supplies increasing. Bananas: Showers beneficial. Supplies steady. Papayas: Added moisture beneficial orchard development. Harvesting increasing. Pineapples: Increasing gradually. Sugar: All mills grinding. However, one mill expected to close next week for repairs. Pastures: Showers beneficial. Generally improving most sections.

IDAHO: Intense storm systems dumped much needed precipitation throughout the State, stopping spring fieldwork. Amounts ranged from 0.03 to 2.00 in. Temperatures averaged from 1 to 7° above normal. East averaged in the low 40's, north and southwest mid 40's.

Spring wheat planted 19%, 11% 1980. Spring barley planted 14%, 8% 1980. Sugarbeets 10%, 5% 1980. Onions 14%, 11% 1980. Dry peas 20%, 3% 1980. Lentils 10%, 0% 1980. Winter wheat condition 2% poor, 76% good, 22% excellent. Soil moisture 6% short, 86% adequate, 8% surplus. Irrigation water 37% short, 63% adequate. Two days suitable. Calving and lambing progressing well, feed supplies adequate to surplus.

ILLINOIS: Temperatures 5 to 12° above normal. Precipitation 0.25 to 0.60 in. north, over 1.00 in. south.

Winter wheat mostly good condition. Livestock mostly good condition. Activities: Field tillage, applying fertilizer, oats seeding, livestock feeding, manure hauling, general farmwork.

INDIANA: Temperatures averaged 8° above normal and ranged from 21 to 80°. Rainfall averaged from 0.20 in. in northwest to 0.80 in. in southeast. Sunshine 78% of possible.

Soil temperatures in the low 40's. Soil moisture supplies mostly short. Fieldwork off to unusually early start. Plowing, discing and other tilling operations underway. Seeding oats and grass seed, spreading fertilizer, lime and manure; bulldozing, cutting and burning brush; applying herbicides prior to planting; readying planting equipment; preparing tobacco plant beds; planting potatoes; dormant spraying orchards; caring for livestock and usual chores. Greening up underway.

IOWA: Very mild with a few showers at midweek primarily northwest and west central and State-wide at the weekend. In most localities, precipitation averaged below normal except in the northwest and west central. Temperatures average from 11 to 15° above normal and more typical of latter April.

Topsoil moisture: 80% short, 20% adequate. Subsoil moisture: 63% short, 36% adequate, 1%

surplus. Plowing 72% complete. Oat acreage 46% planted. Fieldwork: 6.4 days suitable. Availability of both seed corn and bean seed adequate. Livestock in good condition.

KANSAS: Best moisture since second week of December with 0.50 to 1.50 in. common. Maximum 3.27 in. at Hutchinson. Temperatures averaged from 51 to 58°, or 9° above normal southeast to 10 to 13° above normal elsewhere.

Greenbug populations south increasing rapidly. Infestations currently scattered, but potential exists for serious damage to small grains. Wheat condition rated good, recent rains have improved prospects. Oats planting 90% complete, spring barley 80% planted. Pasture and range condition fair. Fieldwork: 5.0 days suitable.

KENTUCKY: Rain fell at the beginning and end of the week and for the period amounts still remained below normal, averaging 0.33 in. east to around 1.00 to locally 2.00 in. west. Temperatures averaged 3 to 6° above normal with mean readings in the mid to upper 50's.

Most days favorable for fieldwork and most activities much ahead of normal. Soil moisture 75% short to very short and no surplus areas. Dry soil unusual for end of March in Kentucky. Tobacco beds 75% seeded, with plants up in 5% of beds. Winter grains in good condition but rain needed. Winter kill minimal but some damage from chemical carryover and shortage of moisture. Pastures fair, but poor in driest areas. Pastures providing 20% of roughage requirements. Winter hay supply still on hand is 18%, but some locality shortages. Winter warmer and drier than usual, favorable for livestock and conservation of fuel.

LOUISIANA: Rainfall: General late in week. Temperatures: 1 to 2° below normal. Extremes: 31 and 80°.

Soil moisture short to adequate. Fieldwork: 6.1 days suitable. Spring plowing 70% complete, 38% 1980. Corn planted 46%, 24% 1980, 28% average; emerged 20%. Rice planted 28%, 19% 1980, 21% average; emerged 12%. Sugarcane condition fair to good. Wheat condition good. Pastures, livestock fair to good. Supplemental feeding continues. Vegetables fair to good.

MARYLAND AND DELAWARE: Temperatures averaged 4° below normal, except at Washington National Airport where the temperature was 2° above normal. The highs averaged in the 50's and lows averaged in the upper 20's to low 30's. Oakland reported the highest precipitation with 0.96 in. Rest of the State reported a trace.

MICHIGAN: Spring-like weather returned. Temperatures averaged 7 to 11° above normal. Rainfall light to moderate. Precipitation averaged 0.40 to 0.50 in. southern Lower and 0.20 to 0.30 in. elsewhere.

MINNESOTA: Temperatures averaged 12 to 15° above normal in all districts except locally in the north central district 8 to 12° above normal and the northeast district 3 to 9° above normal. Extremes: 15° Bemidji, 75° at Waseca, Lamberton, Redwood Falls, Minneapolis/Saint Paul. Precipitation averaged up to 0.25 in. above normal in the northwest, northeast, west central and southeast districts; up to 0.75 in. above normal in the north central district; 0.50 in. above normal central and south central districts; 0.50 to 1.00 in. above normal in the southwest district. Precipitation totals were highly variable but generally ample; up to 0.50 in. northwest district, 0.50 to 1.00 in. in the northeast, west central, east central, south central and southeast; 1.00 to 1.25 in. north central, central and southwest.

MISSISSIPPI: Temperatures below normal north, near to slightly above normal south. Extremes:

27 and 81°. Most locations reported some rain which averaged about 0.50 in.

Soil moisture adequate to short. Fieldwork: 4.5 days suitable. Land preparation for spring planting continues well ahead of average. Plowing 66% completed. Corn 34% planted; 18% average. Rice 5% planted. Winter wheat 60% jointing; good condition. Watermelons 41% planted. Pasture and livestock conditions fair to good.

MISSOURI: Warmer air returned with temperature averaging 6° above normal. Some rain fell, but amounts received were not enough to bring precipitation levels to normal for the month.

MONTANA: Some precipitation came to northeast and southeast late in week. Precipitation over northeast averaged 0.25 in., while in southeast slightly less than 0.25 in. Moderate to heavy precipitation fell over south central, southwest and west. Temperatures again very mild and generally 8 to 10° above normal. The highest 68° Billings, lowest 13° Cut Bank.

Precipitation improved topsoil moisture. Subsoil moisture short in eastern third of State, adequate northwest, short to adequate elsewhere. Days suitable for fieldwork: 5.0. Winter wheat condition generally fair to good, growing some southern areas. Planting well underway south central and southeast, starting elsewhere. Range grass greening up some areas. Cattle and sheep condition good. Stockwater short eastern third of State, short to adequate elsewhere. Calving 50%, lambing 45% and shearing 50% complete.

NEBRASKA: Temperatures 10 to 15° above normal. Precipitation widespread early and late in week. Heavy amounts from 1.50 to 2.50 in. were common from south central portion of the State through the northeast.

NEVADA: Mild beginning of week. Cold spring storm brought widespread rain and snow north and central portions State, light rain extreme south midweek. High pressure brought return to fair, mild weather 28th. More snow west end of period accompanied by below normal temperatures. Extremes: 16 and 87°.

Inclement weather delayed seedbed preparations third consecutive week. Calving, lambing continued.

NEW ENGLAND: Normal temperatures gave way to near summerlike readings by weekend. Precipitation continues below normal, with two fast moving storms bringing light amounts on the 25th and 27th. Sugaring continues with excellent quality reported.

NEW JERSEY: Temperatures averaged 1° above normal. Extremes: 16° at Pomona on 25th, 78° at Toms River on 29th. Rainfall averaged 0.06 in. north, 0.10 in. central and 0.06 in. south.

Soil moisture, in percent of field capacity, averaged: 99 north, 97 central and 97 south. Four inch soil temperature averaged: 38° north, 40° central and 40° south. Soil preparation progressed well. Planting of early crops advancing. Warmer weekend temperatures beneficial. Most areas could use a good soaking rain. Fruit buds swelling.

NEW MEXICO: Dry and mild first of week. Cloudy, windy, and colder latter part of the week. Temperatures averaged near normal most areas.

Soil moisture remains in short supply. Farm activities include ground preparation, irrigating, and some early planting. Irrigated wheat and barley remain in good condition with the dryland crop in mostly fair condition. Some grain damage has occurred due to high winds. Alfalfa in good condition and showing good growth in the southern areas. Limited corn planting underway on the east side. Lettuce and onions were reported in good condition. Chile planting continuing in the

Mesilla Valley and the Roswell area. Ranges in fair condition. Cattle and sheep were in fair to good condition with calving and lambing continuing.

NEW YORK: Temperatures averaged about 5° above normal. Precipitation generally light, amounts were a little over 0.33 in. in west and the Champlain Valley. Most stations reported 0.20 in. or less. Heaviest precipitation 26th and 27th. Temperatures in upper 60's and 70's in most sections on 29th.

Spring plowing underway. Maple syrup production in high gear.

NORTH CAROLINA: Temperatures 2 to 5° below normal. Precipitation near normal in most areas.

Soil moisture: 1% very short, 55% short, 44% adequate. Fieldwork: 4.4 days suitable. Condition: Wheat, oats, barley, rye, tobacco plant beds fair to mostly good; Irish potatoes and pastures mostly fair to good. Plantings: Spring potatoes 82%, spring cabbage progressing, corn underway, and tomato transplanting gearing up. Supplies: Hay, roughage, and feed grains mostly adequate. Major activities: Preparing land for spring planting, planting Irish potatoes, spring cabbage, tomatoes, and corn, topdressing small grains and pastures, applying lime, caring for tobacco plant beds, and planting gardens.

NORTH DAKOTA: The last week of March was warm with some precipitation. Average temperatures were 7 to 12° above normal. Temperature extremes: 67 and 15°. All districts received some rain. Precipitation was heaviest in east and lightest in the southwest.

Fieldwork started in many areas. Statewide average start expected April 4, two weeks ahead of last year's early start. Field operations mostly limited to seedbed preparation and application of fertilizer and herbicides. Topsoil moisture rated 44% short, 52% adequate to plentiful, and 4% surplus. Subsoil moisture rated 52% short and 48% adequate to plentiful. Last year topsoil was 65% short and subsoil 88% short. Two percent of the hard red spring wheat seeded with less than 1% of barley and durum. Sugarbeet planting began but no significant acreages seeded. Winter wheat in mostly fair condition with 40% greening. Some cutworm control necessary in southwest. Calving 37%, lambing 50% and shearing 54% complete. Only a few calving losses. Hay supplies 49% short. No new pasture grass as yet available.

OHIO: Average highs were more than 8° above normal, in the upper 50's to lower 60's range. Highs were in the 70's at most stations, average lows were in the mid to upper 30's. Lows were in the 20's at most stations. Soil temperatures at 4 in. reached into the 50's in most areas, although mean soil temperatures are still in the 40's. No significant rainfall was reported until the weekend. Weekend totals ranged from less than 0.25 in. at Jackson and Celina to 1.25 in. at Mansfield.

Fieldwork was extensive. It included finishing plowing, discing, topdressing wheat, seeding clover and alfalfa, and applying anhydrous ammonia to land to be planted to corn. Oat seeding progressing ahead of normal, and corn planting will begin this week if weather remains dry.

OKLAHOMA: Temperatures ranged from 1 to 7° above normal. Rainfall ranged from 0.33 to 0.75 in. Western two-thirds State above normal in rainfall since March 1.

Wheat and other small grains making excellent growth. Greenbugs present all areas with most extensive damage reported in north and west. Alfalfa weevil infestations reported in south central and east central districts. Control measures amplified to combat these pests. High winds continue topsoil erosion in Panhandle district, necessitating emergency tillage. Days suitable fieldwork: 6.0 days.

OREGON: Weather was mild and wet. Temperatures averaged 1 to 4° above normal. Precipitation averaged 2.50 in. along the coast; a little over 1.00 in. in the Willamette Valley; almost 2.00 in. in the north Cascades; 1.50 in. in the northeastern section, and a little over 1.00 in. in the southeastern tip of the State.

Soil moisture supplies mostly adequate; some local surplus conditions exist. Winter wheat condition good; herbicide and fertilizing finishing up. Norgold potatoes almost all planted at Hermiston-Boardman, Russets continuing to go in. Spring grain and some field corn being seeded as field conditions permit. Processing peas planting continues. Range and pasture responding well to spring weather and moisture.

PENNSYLVANIA: Transition from winter conditions first half of week to spring-like weekend. Temperatures climbed 20° from beginning of week to weekend when maximum reached 70's and minimum remained in the 40's and 50's. Extremes: 15 and 78°. Temperatures near to 4° above normal for warmest in last five weeks. Rain showers and snow squalls mid-period plus light rain close of period produced 0.25 to 0.75 in. west and 0.10 in. or less central and east.

PUERTO RICO: Island average rainfall 1.80 in. or 1.23 in. above normal. Highest weekly total 9.48 in. Temperatures averaged 79° on Coasts and 76 to 75° Interior Divisions. Extremes: 94 and 56°.

SOUTH CAROLINA: Temperatures below normal much of week, changing to above normal weekend. Frost occurred northwest several mornings. General rainfall latter part of week bringing relief to dry conditions.

Corn planting 48% complete, well ahead of last year's 4 and 21 average. Peaches past full bloom stage, experienced some frost damage, but not believed severe. Coastal vegetables recovering from earlier cold and high wind damage. Tomatoes 64% planted, last year 61. Snap beans 18% planted, last year 48. Cucumbers 27% planted, last year 42. Watermelons 43% planted, last year 16, average 36. Tobacco 3% planted, beds fair to good condition.

SOUTH DAKOTA: A series of low pressure systems moved across the State, and Gulf moisture surged northward causing significant rainfall over the eastern two-thirds of State. Early in the week the southwest received from 0.25 to 0.33 in. in rainfall. The weekend brought amounts of 1.00 to 2.00 in. to the eastern two-thirds. Chamberlain reported 2.35 in. for the greatest amount at this time. Other significant amounts were 1.84 in. at Pickstown, 1.95 at Winner, 1.36 at Pierre, 1.70 at Yankton, Faulton 1.14, and Martin .77 in. Many other areas, especially west of the river are more than an inch below normal. Temperatures were above normal once again. The northeast was near 11° above, the southeast 12° above and about 9° above west of the river. Average temperatures ranged from the low 40's to low 50's. Highs were generally in the mid-60's to low 70's while lows were in the 20's.

TENNESSEE: High pressure dominated through 28th. Low pressure over Texas brought rain 29th with amounts up to 2.00 in. in the west and less than 0.50 in. in the east. Temperatures averaged near or above normal.

Fieldwork: 5.1 days suitable. Soil moisture short. Spring plowing 63% complete, 1980 34%, average 42%. Tobacco plant beds 89% seeded, 1980 49%, average 64%. Pastures 44% poor, 53% fair, 3% good. Cattle in fair condition, still on supplemental feed and hay. Wheat and oats fair to good. Activities: Topdressing small grains, spraying for wild onions and garlic, home garden preparation, planting corn, caring for livestock and pasture renovation.

TEXAS: Weather: First half of week, upper level trough thunderstorms North Texas. Latter half, Pacific cold front thunderstorms much State. Temperatures 2 to 4° above normal Northwest Texas, Edwards Plateau, Trans-Pecos, North Central, Upper Coast. Near normal elsewhere. Precipitation above normal North, East Texas, Trans-Pecos. Below normal elsewhere.

Range and livestock: Ranges, pastures providing grazing most areas. South, Central Texas pastures continue to improve, High Plains, North Texas conditions dry. Supplemental feeding continues. Livestock in good condition, calving, lambing continuing.

Commercial vegetables: Rio Grande Valley harvest of cabbage, carrots continued with light volumes. Harvest of early onions has begun. Harvest of grapefruit, Valencia oranges continues. South Texas planting summer vegetables, watermelons, tomatoes active; San Antonio-Winter Garden area, potato, green pepper active. Harvest of cabbage, carrots continued. East Texas, planting of watermelons, potatoes progressed well. North Texas, tomato, sweet corn planting active. Trans-Pecos region, potato planting underway. Early onions harvest beginning next week. High Plains preplant activities continued. Some potato, onion planting begun. Peach trees in full bloom, some petal fall on trees. Pecan trees are budding throughout South, Central Texas.

Crops: High winds across State, further depleting topsoil of much-needed moisture. Some blowing dust Panhandle; interrupted spring planting southern areas. Cool soil temperatures delayed some planting. Cotton planting South Texas; high winds interrupted seeding. Replanting underway Lower Valley, Coastal Bend; some fields failed to develop because cold soil temperatures, wet fields. Land preparation, preplant irrigation High, Low Plains. Sorghum planting good progress. Short moisture, high winds delayed seeding some areas South, South Central Texas. Coastal Bend fields replanted because weather damage. Corn planting good progress southern part State. Cool night temperatures slowed development some fields. Cotton planted 8%, 0% 1980, 9% average. Rice planted 36%, 26% 1980, 26% average. Sorghum planted 54%, 53% 1980, 44% average. Corn planted 38%, 35% 1980, 25% average.

UTAH: Recurring periods of snow or rain; principally north and west portions. Accumulated amounts of moisture extremely variable, ranging from little or none to nearly 2.00 in. Average temperatures range from 4° below normal to 7° above. Considerable improvement in soil moisture storage north and western sections.

Stormy weather and cooler temperatures slowed fruit tree progress, stopped land preparation southern areas. Elsewhere land preparations not yet begun. Livestock in good condition. Calf and lamb crop on southwestern Desert appears normal.

VIRGINIA: Cool first of week, in 50's; moderating to 60's and 70's. Average temperature was 10° below normal. Precipitation heaviest southwest, in form of snow, 0.75 to near 1.00 in. Less than 0.50 in. precipitation rest of State.

Snow west, south and southwest helped soil moisture, but still rated short to adequate. Fieldwork: 4.1 days suitable. Apple and peach prospects good, need additional rain. Pastures and oats rated fair. Barley, alfalfa and wheat good to excellent. Tobacco plant beds: 82% seeded and in good condition; flue-cured good, 86% seeded, 90% 1980; burley good, 73% seeded, 35% 1980. Eastern Shore potatoes 50% planted, 54% 1980. No planting problems reported. Corn less than 1% in, equal to 1980 progress. Livestock reported in very good condition. Maple syrup production active Highland County. Early vegetable planting east.

WASHINGTON: West: Temperatures mostly 4 to 6° above normal. Precipitation above normal on North Coast and Bremerton area and a little below normal rest of west side. Pasture and crop growth was slowed by cooler temperatures. Fertilizer and lime application continued as well as the plowing and discing of field, when weather permitted. The planting of early vegetable crops continued. Strawberry planting was in progress last week, while raspberries continue to develop. Green chopping of ryegrass continued. Cattle continue to be put on pasture.

East: Temperatures from 3 to 6° above normal. Precipitation was much above normal from Walla Walla and Pullman up through Lind and Harrington and northeastern section, with slightly below normal amounts through central area from Bickleton up through Omak. Fieldwork well ahead of

normal. Weed control and fertilization of wheat very active. The planting of early spring crops well underway. Asparagus fields nearly 2 weeks ahead of last year and some harvesting may begin as early as next week. Orchard and vineyard spraying progressing nicely. Hay supplies adequate to surplus. Soil moisture ranges from fair to good.

WEST VIRGINIA: Temperatures averaged 2° below normal across most of the State but 1° above normal in the northwest area. High 76°, low 10°. Precipitation below normal.

Soil moisture adequate. Days suitable for fieldwork: 4.3. Major activities: Limited plowing, general chores. Hay, grain and other feed supplies adequate.

(Continued on Page 19)

International Weather and Crop Summary

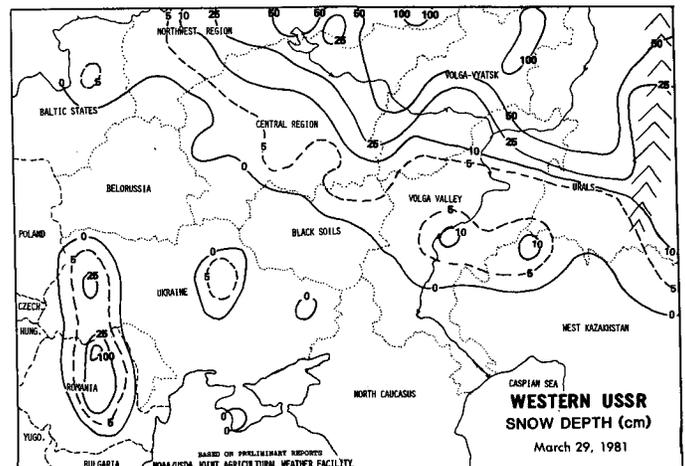
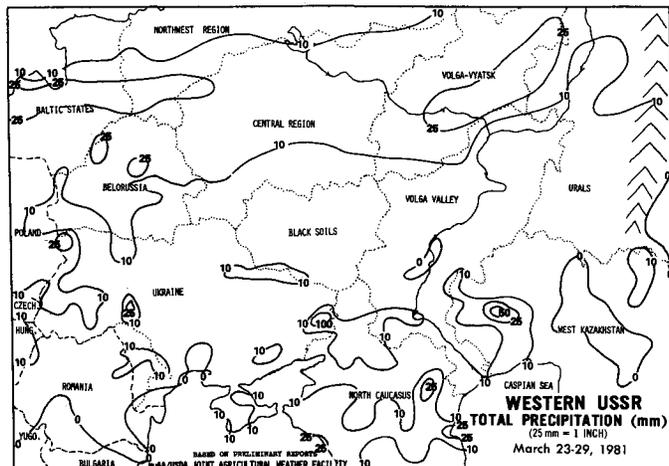
MARCH 23 - 29, 1981

HIGHLIGHTS

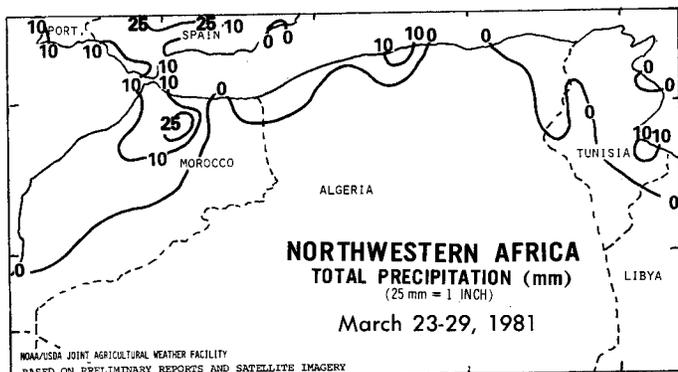
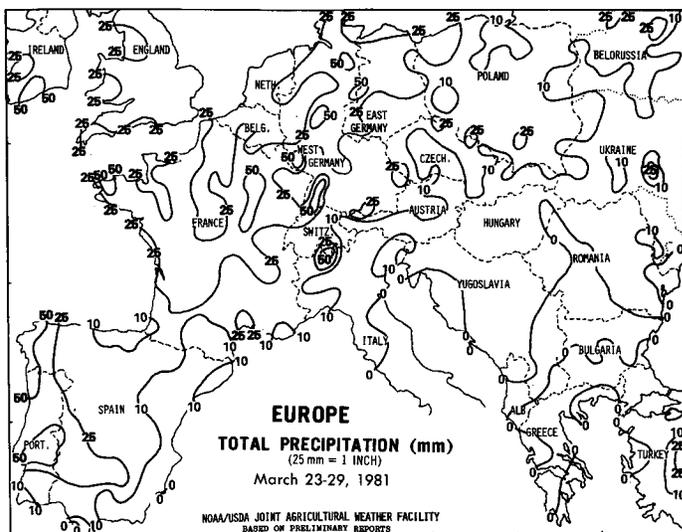
- WESTERN USSR:** Drier, warmer weather stimulated growth in the southern half of the winter grain belt before turning colder over the weekend.
- EUROPE:** Warm and wet weather prevailed across the north, and some rainfall occurred in Spain and northern Italy, too late to improve winter grain yield prospects.
- NORTHWESTERN AFRICA:** Winter grain prospects remain good in Tunisia and Algeria, poor to fair in northern Morocco, and very poor in southern Morocco.
- SOUTH AFRICA:** Heavy rains over much of the belt were probably not enough to cause problems for the maturing corn crop.
- INDIA:** Drier weather benefited winter grain areas. Abundant rains in Bangladesh and eastern India provided good moisture for early rice planting.
- CHINA:** Rainfall benefited winter grains, though amounts were light in Hebei. Conditions were becoming too wet in parts of the Yangtze Valley.
- SOUTH AMERICA:** Excellent overall yield prospects, although becoming a little dry for late filling of soybeans in southern Brazil. Corn harvest in Argentina slowed by rain.
- MEXICO:** Warm, dry weather was ideal for planting spring crops.

WESTERN USSR: Temperatures surged much above normal early in the week, causing a further retreat of the snow line to the northeast. Conditions were warm enough for winter grains to green up across the southern half of the belt. Colder air over the weekend slowed growth markedly, with minimum temperatures below freezing into the North Caucasus; however, conditions were not cold enough to cause frost damage. Most of

the winter grain belt received only light rainfall, with some spotty amounts near and above normal. The drier weather permitted increased fieldwork. Above-normal precipitation in the form of snow across the northern crop areas maintained wet conditions. Winter grains there remained dormant and the beginning of fieldwork is still some weeks off.

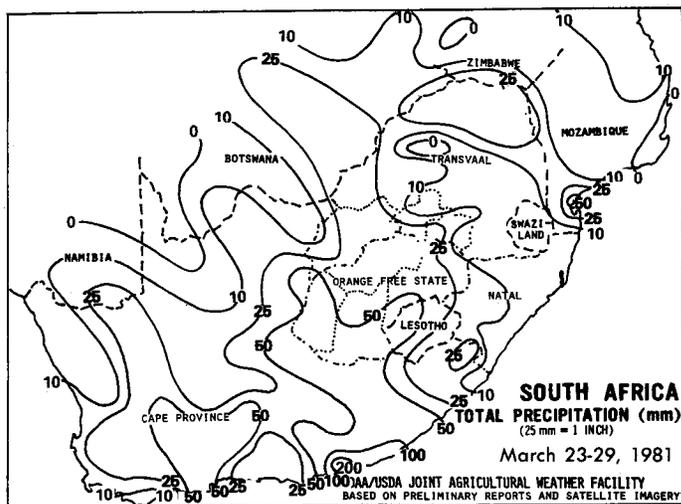


EUROPE: Warm and wet weather across the northern countries kept winter grains developing more rapidly than normal. Little rain fell in the southeastern countries, where extreme flooding from earlier rains was reported. Evidently the abundant rainfall of the previous week caused substantial snowmelt. The combined large quantities of water flooded low-lying farmland along the Danube River, damaging winter grain crops and delaying spring fieldwork. Late in the week, a storm doused the Iberian Peninsula with generous rains. The moisture improved the outlook somewhat for spring planting, but subsoil moisture was still very short. The rains came too late to benefit winter grains very much. At the week's end, the storm was spreading rainfall into northern Italy, where conditions were similar to those in Spain.



NORTHWESTERN AFRICA: Continued light rain in northern crop areas of Morocco prevented further declines in potential yields of winter grains, but prospects were already substantially below normal. Very poor yields are expected from southern Morocco. To the east in Algeria and Tunisia, only very light rainfall occurred, but soil moisture should remain adequate in nearly all crop areas. Winter grains should now be into the grain-filling stage.

SOUTH AFRICA: Heavy rainfall over much of the Maize Triangle was not really needed by the corn crop. Soil moisture was quite good in all parts of the Triangle. However, unless high winds accompanied the rains, little damage would be expected from the rainfall amounts that occurred. A rapid return of fair weather at the weekend allowed fields to dry out somewhat.

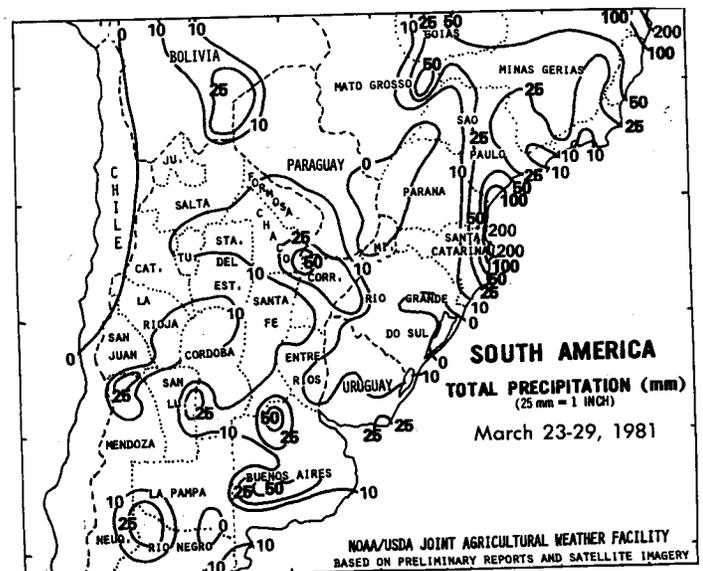
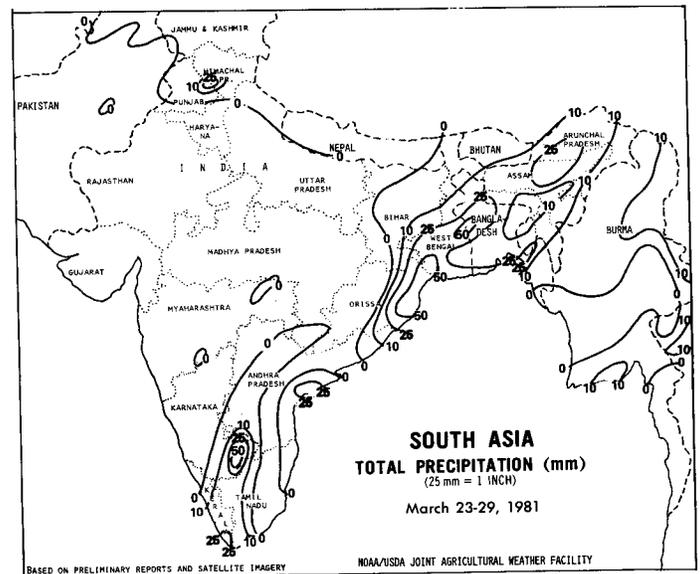
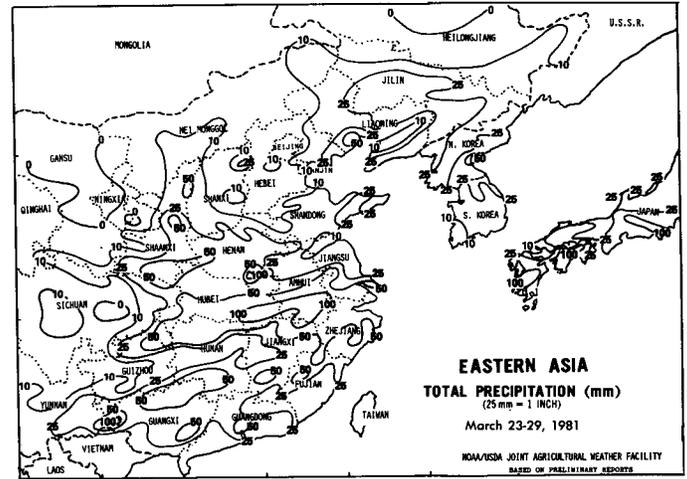


EASTERN ASIA: Above-normal precipitation covered most agricultural areas of China. Moisture amounts in Hebei were variable, with some areas receiving a beneficial 10 to 15 mm and others only about 5 mm. More is needed at regular intervals now that conditions there are warm enough for winter grain growth. Abundant rainfall south of the Yellow River kept winter grains in good condition. Very wet weather continued in the south, with many areas receiving more than 50 mm of rainfall. Heaviest totals of more than 100 mm occurred just to the south of the Yangtze River. Conditions are probably wetter than optimal for newly-planted crops. The situation is fairly similar to the wetness last year which began building at about this time. Some drier areas along the southern coast (notably Guangxi) received beneficial rainfall during the week. In South Korea, near-normal rainfall returned to winter grain areas, improving moisture conditions as temperatures remained warm enough for growth to continue.

CORRECTION: Between December 15, 1980, and January 31, 1981, daily precipitation data obtained from China and Japan were improperly processed, yielding plotted amounts that were too small by a factor of 10. Consequently, the weekly maps of precipitation for eastern Asia covering this period and published in this Bulletin are not correct. However, the published monthly maps for December 1980 and January 1981 are correct.

SOUTH ASIA: Most winter grain areas of India and Pakistan remained dry during the week, favoring the maturation of crops on the plains in the north. Showers in the foothills of the Himalayas benefited late filling of grains. Above-normal rainfall returned to much of Bangladesh and southeastern India. Rainfall normally increases in such a pattern at this time of year, but amounts have been greater so far this season. Spring rice planting will benefit from this early moisture, especially in Bangladesh.

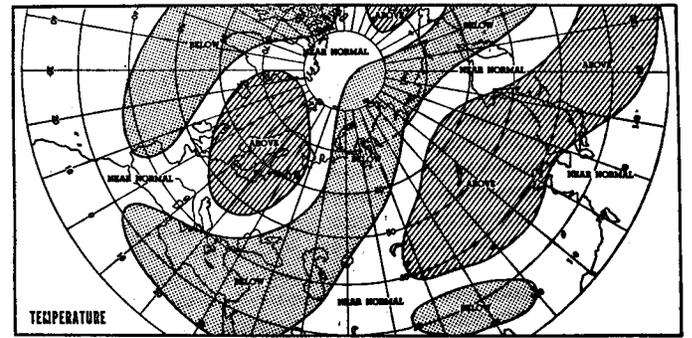
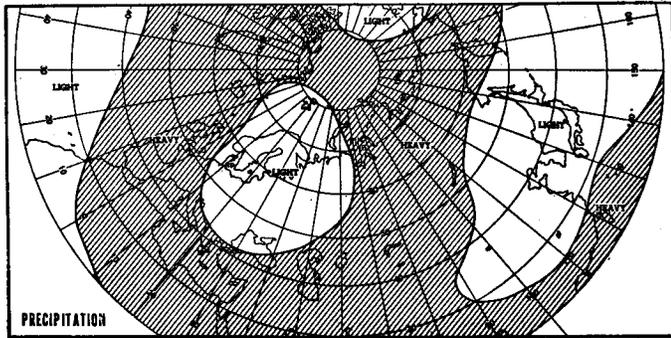
SOUTH AMERICA: Most Brazil crop areas in Parana and Rio Grande do Sul remained dry, as abundant rainfall was limited to coastal areas and relatively less intensively cultivated areas in Goias, Minas Gerais, and eastern Sao Paulo. The dryness in Rio Grande do Sul may be interfering with late filling of soybeans. Overall crop prospects remain excellent, with harvesting just beginning in Rio Grande do Sul and nearly half finished in Parana. In Argentina, the outlook for crop yields was also excellent. Some weekend rain in northern Buenos Aires may have slowed corn harvesting, but amounts were not enough to cause any problems.



MEXICO: Dry, warm weather across most of the country was excellent for planting spring crops. Seasonal temperatures ranging from the upper teens to the mid-20's (°C) favored planting and germination of cotton in the north and corn in the warmer sections of the southern Plateau. Vegetables and early corn and grain sorghum in the coastal states should be progressing well with generally an adequate irrigation supply.



EURASIA OUTLOOK FOR APRIL



National Agricultural Summary

(Continued from Page 11)

Planting of summer vegetables was active in Texas. Producers harvested cabbage, carrots, and onions.

PASTURES AND LIVESTOCK: Pastures in northern areas of the Nation were not yet greening and

rated only fair to good in the South where dry soils limited growth. Feed supplies were adequate except for hay in the northern Plains. Livestock generally rated fair to good. Calving and lambing continued. Losses of newborn were reported light in most areas as mild temperatures prevailed.

State Summaries of Weather and Agriculture

(Continued from Page 16)

WISCONSIN: Temperatures well above normal but varied greatly. Highs ranged from 50's to 70's, lows 20's to 40's. Extremes: 75° Madison 28th and 14° Eagle River 24th. Precipitation increased. Weak storm system dumped local rainfall amounts up to 0.25 in. 26th along with traces snow. Larger storm weekend brought up to 1.00 in. rain extreme north and 0.25 to 0.50 in. elsewhere. No snowcover. Frost depths averaged 9 in. as of 27th, decline of 7 in. from two weeks earlier. Frost all out south but 1 to 3 feet left north-west.
Fieldwork started south, some oats seeded.

WYOMING: Above normal temperatures all portions of State. As for precipitation, most areas above normal, except some areas of Big Horn and Belle Fourche drainages. Highest temperature 71°, lowest 10°.

Topsoil moisture short 66% State. Subsoil moisture short 74% State. Acreage planted: Spring wheat 10%; oats 5%; sugarbeets 10%; barley 30%. Winter wheat fair to mostly good, very little wind damage. Livestock mostly good condition. Spring calves born 40%, death loss light. Farm flock: Ewes lambed, 50%; shorn, 45%. Range sheep: Ewes lambed, 25%; shorn 25%, death losses light. Range condition mostly fair.



FIRST CLASS MAIL

PROSPECTIVE PLANTINGS MARCH 19, 1981

HIGHLIGHTS

CORN plantings are expected to total 84.0 million acres (34.0 million hectares) in 1981, fractionally less than last year's planted acreage of 84.1 million acres (34.0 million hectares).

SOYBEAN acreage of 69.8 million acres (28.3 million hectares) is, in prospect, down less than 1 percent from 1980.

COTTON acreage to be planted this year is forecast at 14.5 million acres (5.86 million hectares), down 1 percent from 1980.

SORGHUM acreage intentions of 15.7 million acres (6.37 million hectares) are down 1 percent from 1980.

DURUM WHEAT seeding intentions of 6.14 million acres (2.48 million hectares) are up 11 percent from 1980.

OTHER SPRING WHEAT acreage is expected to total 17.0 million acres (3.88 million hectares), down 3 percent from 1980.

PEANUT prospect acreage at 1.61 million acres (651 thousand hectares) is up 4 percent from 1980.

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