

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board

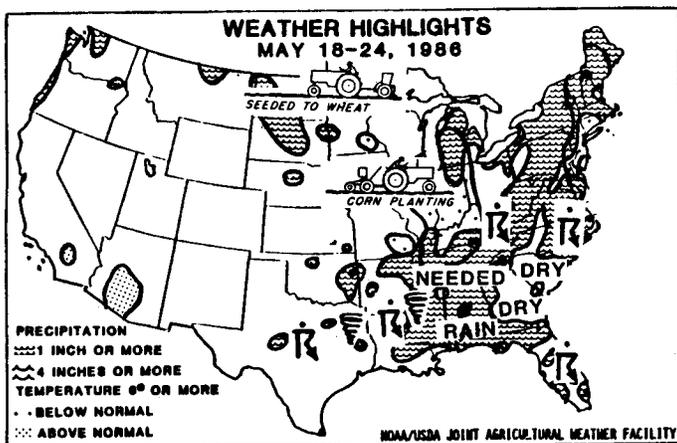
Volume 73, No. 21

WASHINGTON, D.C.

May 28, 1986

National Weather Summary

May 18 to 24, 1986



HIGHLIGHTS: Showers and thunderstorms were widespread from much of Texas and Oklahoma across the South and northeastward through New England. Showers fell in most of the previously dry areas of the East. However, parts of the very dry areas in Georgia and South Carolina had only isolated, light showers. Severe weather was frequent from eastern Texas to Oklahoma and across the South. Rain or showers fell from Nebraska through the northern Great Plains. Moderate rain covered an area from north-central Nebraska through western North Dakota. Most of the Nation was cooler than normal, only parts of the Southwest and some of the northern Plains were significantly warmer than normal.

SUNDAY...A cold front extended from the Great Lakes to the lower Mississippi Valley and spawned showers and strong thunderstorms over the eastern third of the Nation. Very warm temperatures occurred ahead of the front. A few light showers fell in the northern Rockies and Plains, and light rain fell in the Northwest.

MONDAY...The slow moving cold front triggered showers and thunderstorms from central Alabama to western New York. Thunderstorms were also strong in the Carolinas and northern Florida. Record-cool temperatures were in the southern Plains, and a few showers developed in the central and northern Plains.

TUESDAY...Showers and thunderstorms covered all East Coast States, and severe weather was widespread from northern Florida through the Carolinas. Showers continued from the upper Ohio Valley through the eastern Great Lakes. Light

showers were widely scattered in the central and northern Plains and in the Northwest.

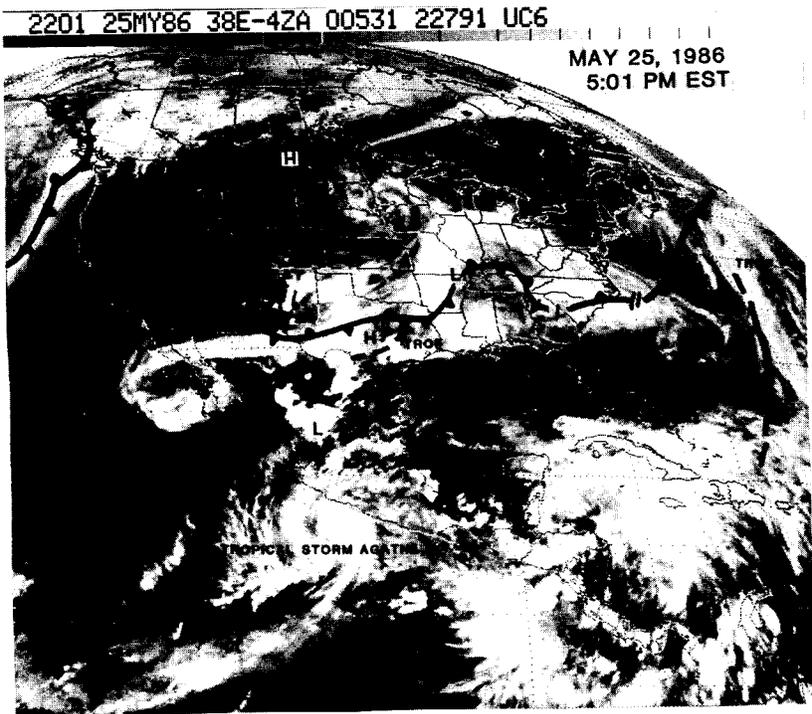
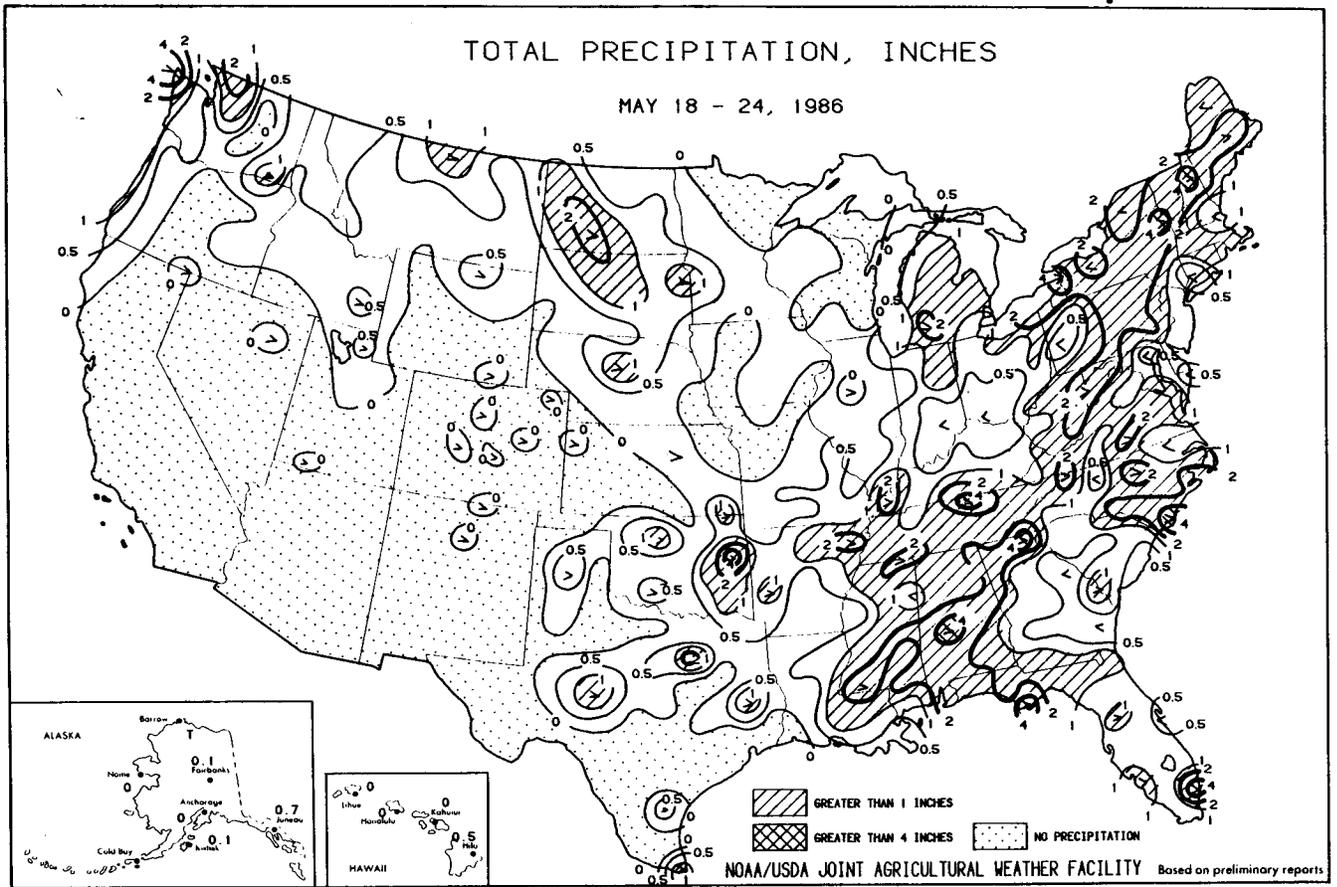
WEDNESDAY...Showers and thunderstorms continued in Florida, along the east coast, and from Virginia to the eastern Great Lakes and New England. A few showers continued in the central Rockies and Plains, and light showers covered the Northwest to central California and Montana. Warmer weather began in the western Great Plains.

THURSDAY...Rain or showers fell from the upper Ohio Valley through New England. Showers developed late in the day from the Tennessee Valley through the Missouri Valley to Montana. Moderate rain fell from north central Nebraska into eastern North Dakota. Wet snow fell in parts of the northern Rockies. Freezing temperatures covered parts of the central Plateau and northern Rockies.

FRIDAY...A storm lingering in the Northeast caused showers from the upper Ohio Valley and Pennsylvania through New England. Showers and thunderstorms developed from North Carolina through the Tennessee Valley and into Arkansas. Rain or showers were over the middle and upper Mississippi Valley and across the northern Plains into Montana. It was cool in most of the Nation, only the southern tier of States were warm.

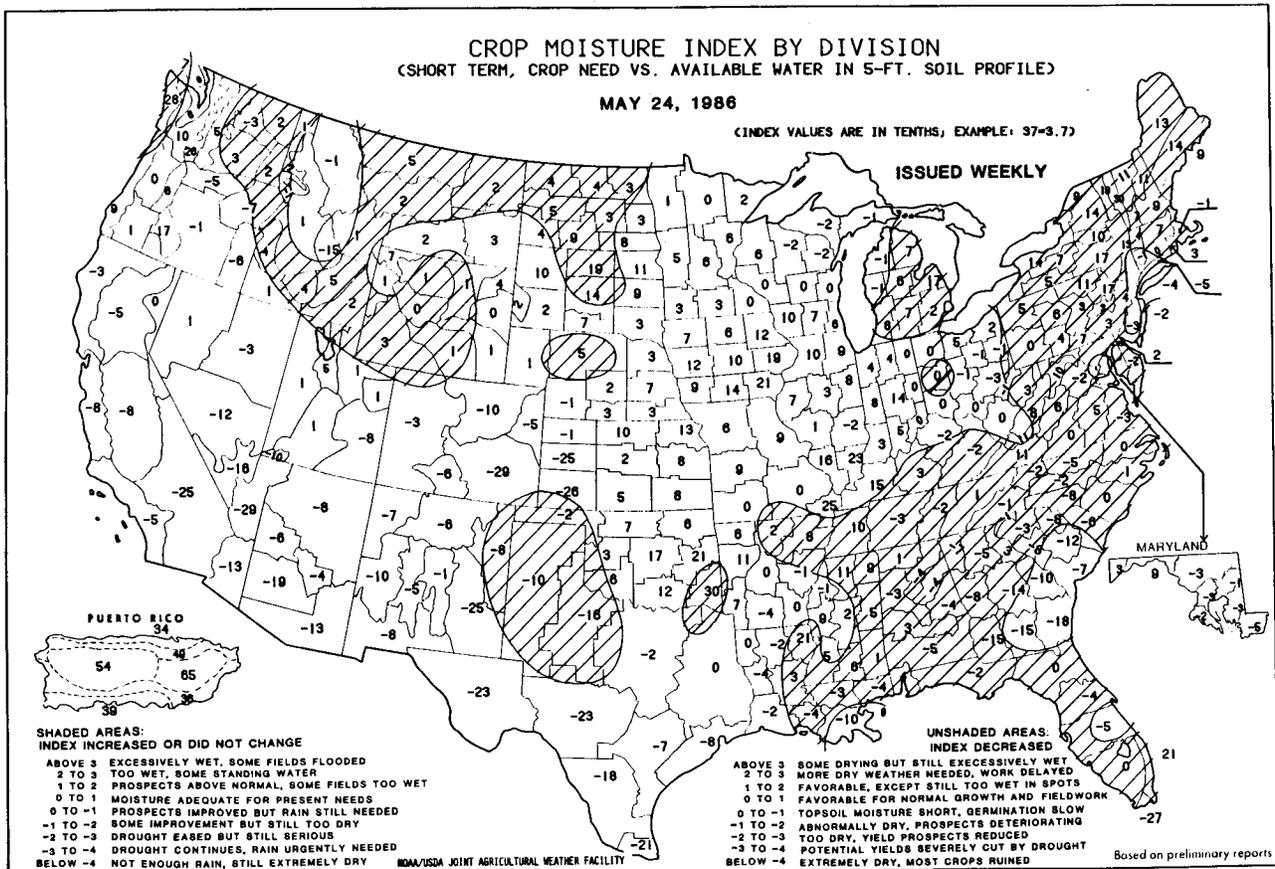
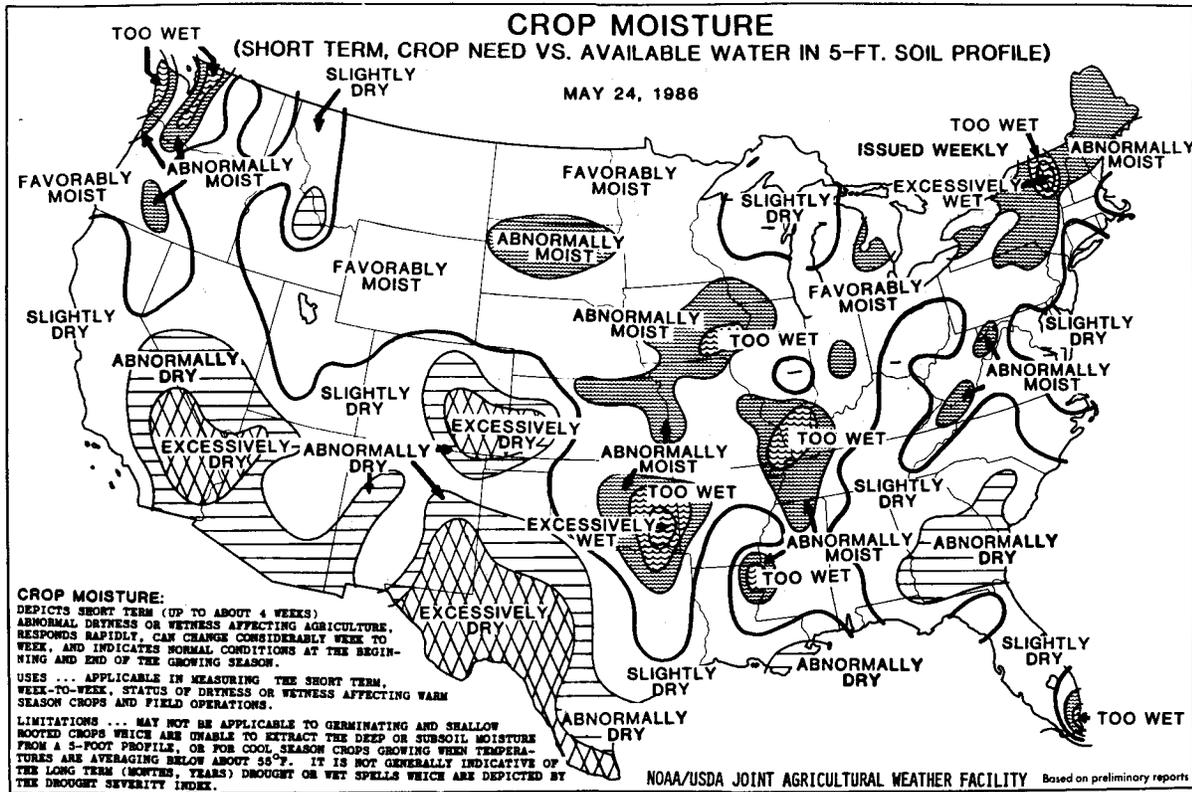
SATURDAY...Showers and thunderstorms were widespread from Texas and Oklahoma through the lower Mississippi Valley and the Tennessee Valley. Severe weather and torrential rain accompanied many of these storms. Lighter showers and a few thunderstorms extended from Nebraska to Minnesota and eastward to the western Great Lakes. Cool weather continued in the Plateau region and Rockies.

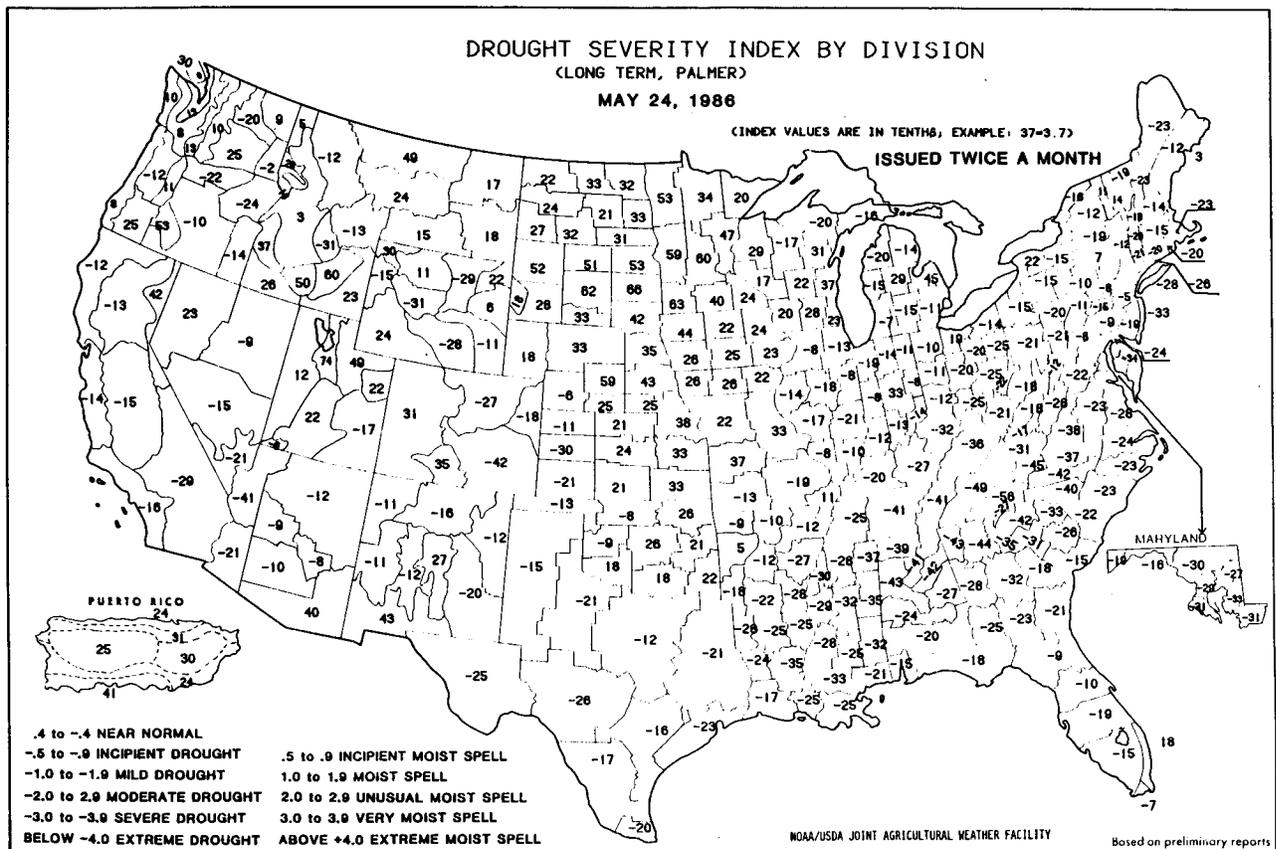
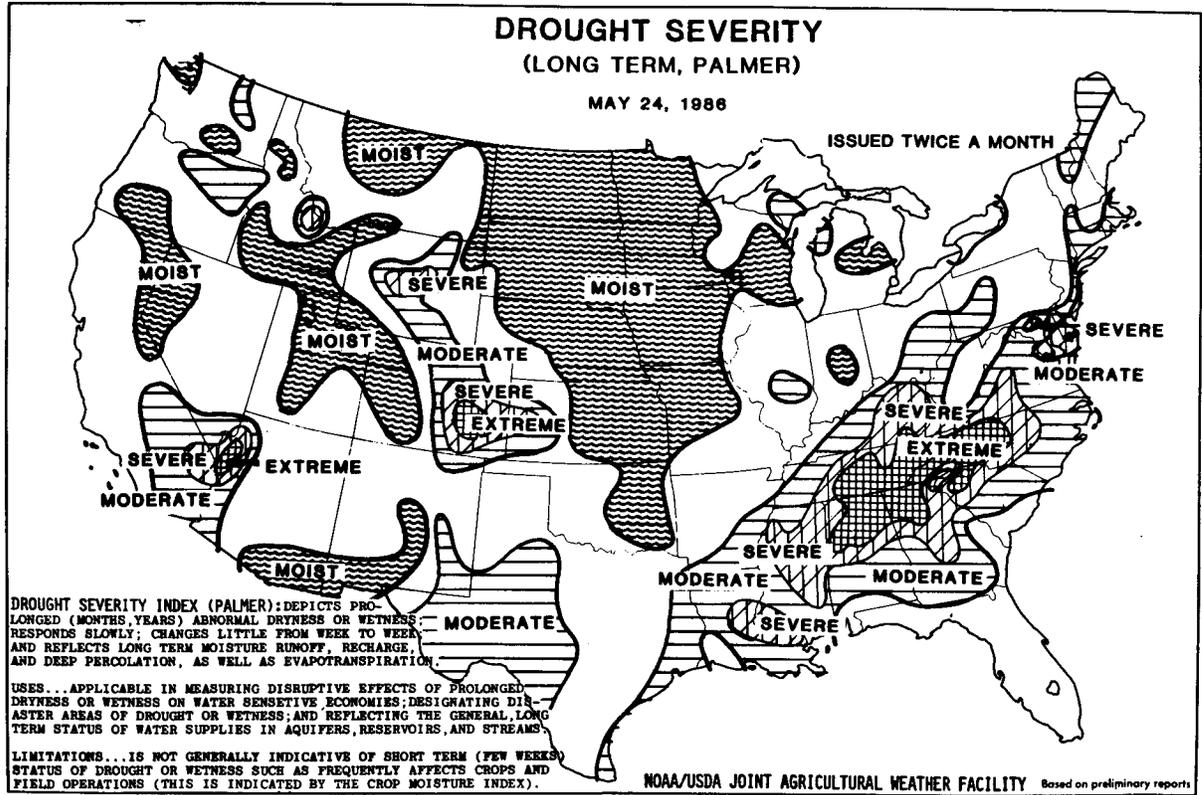
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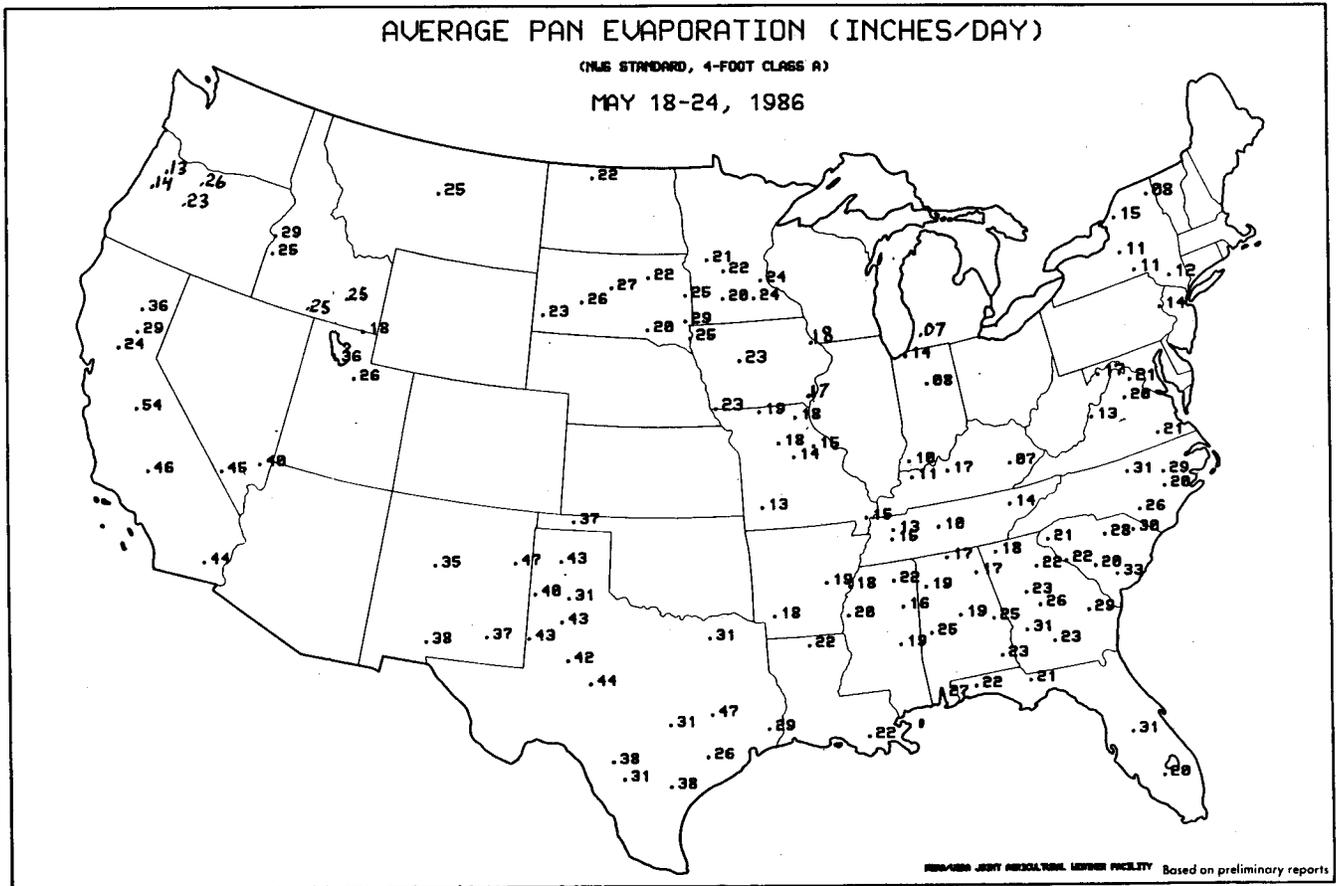
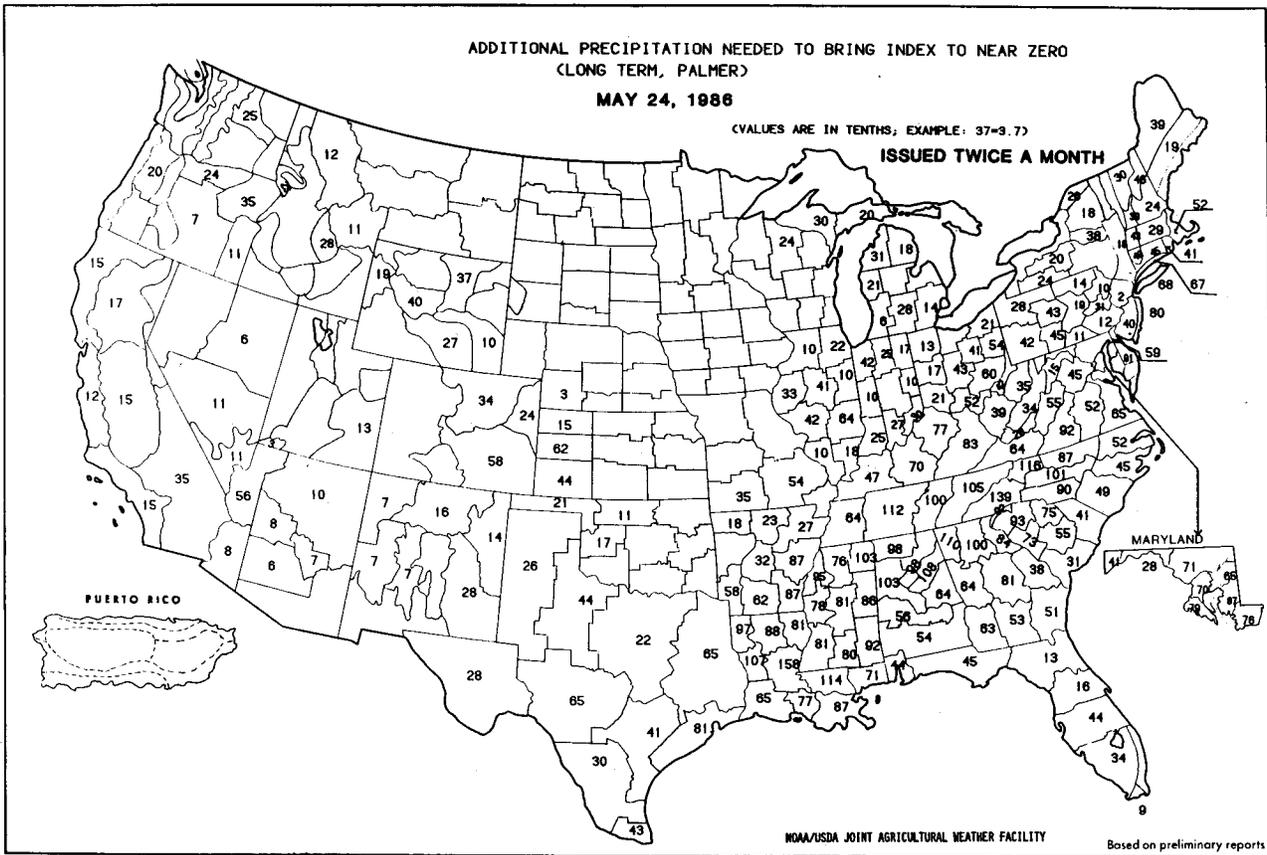


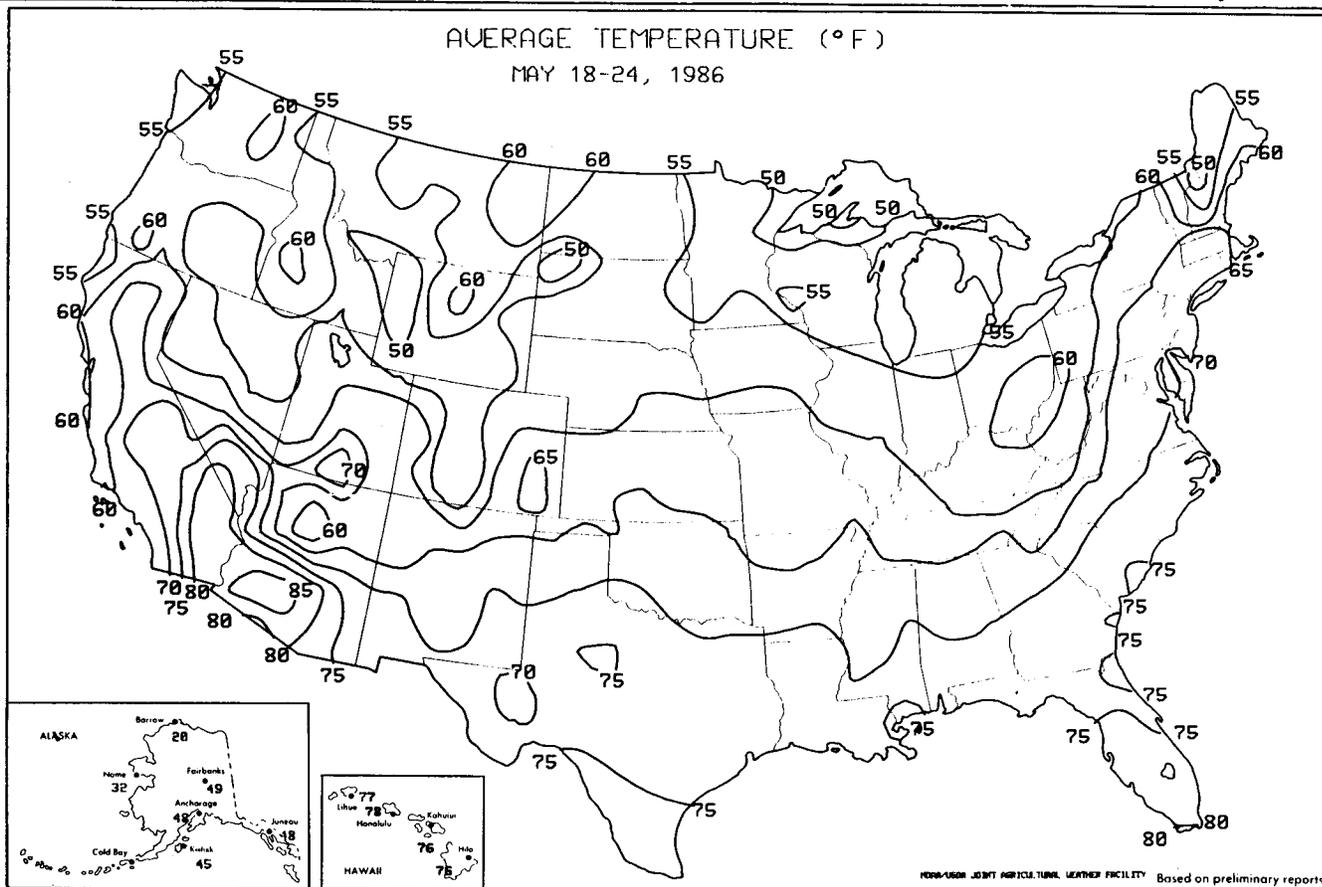
TROPICAL STORM AGATHA MOVES TOWARD THE SHORE NEAR ACAPULCO, MEXICO BEFORE BECOMING THE FIRST HURRICANE OF THE SEASON IN THE EASTERN PACIFIC.

THUNDERSTORMS BRING NEEDED MOISTURE TO EASTERN TEXAS, LOUISIANA, AND MISSISSIPPI. RAIN IS FALLING NORTH OF A STATIONARY FRONT WINDING FROM TEXAS TO NORTH CAROLINA.

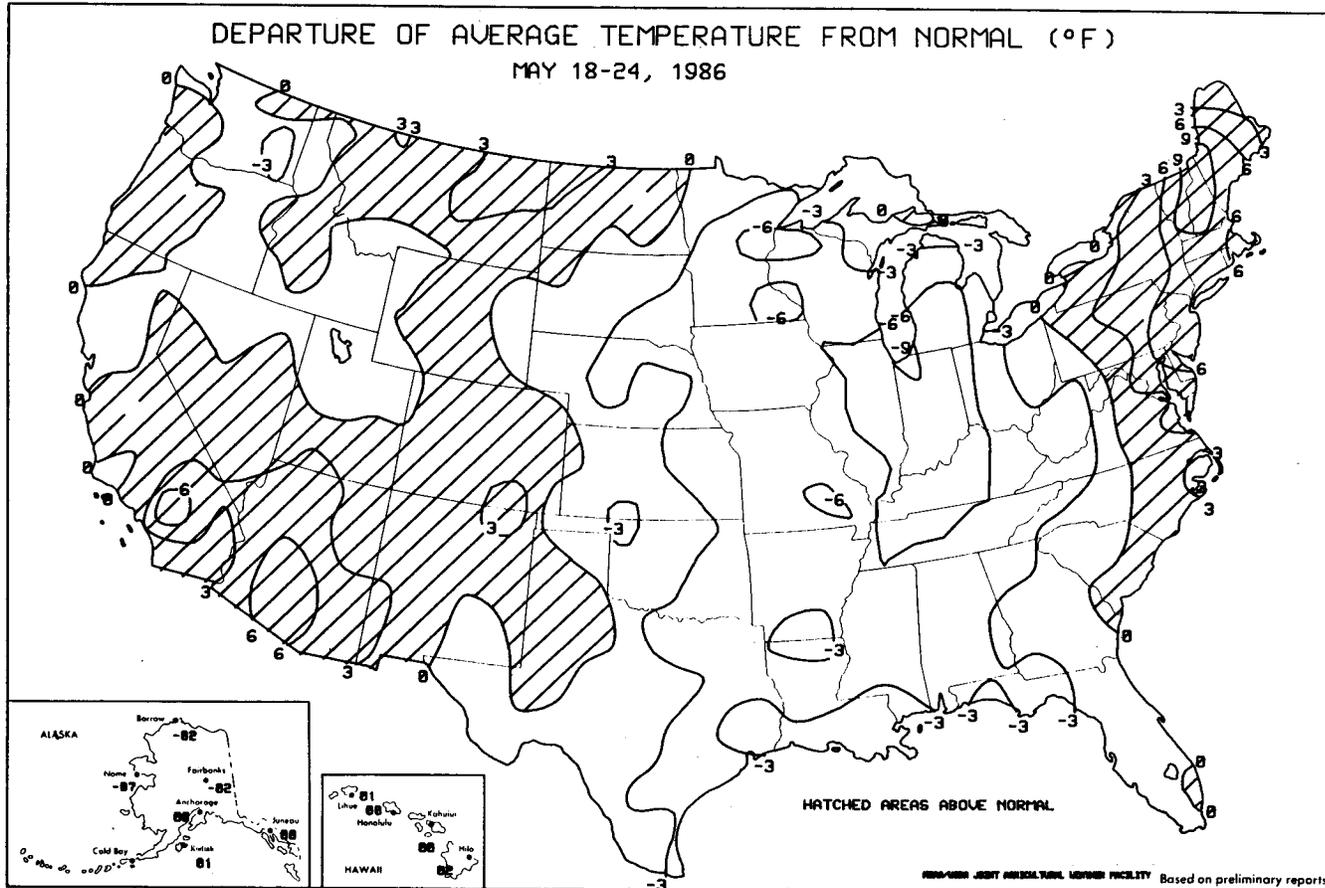


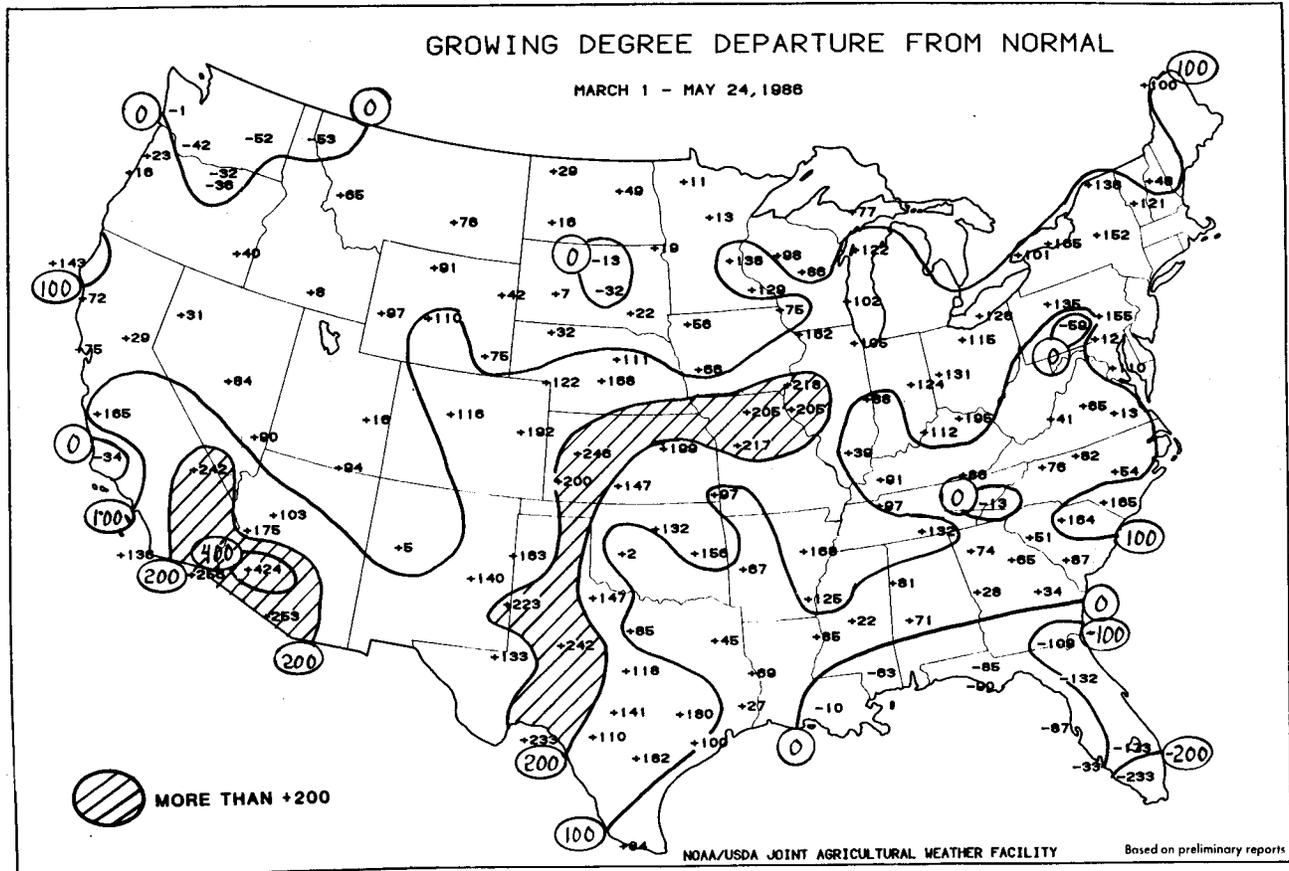
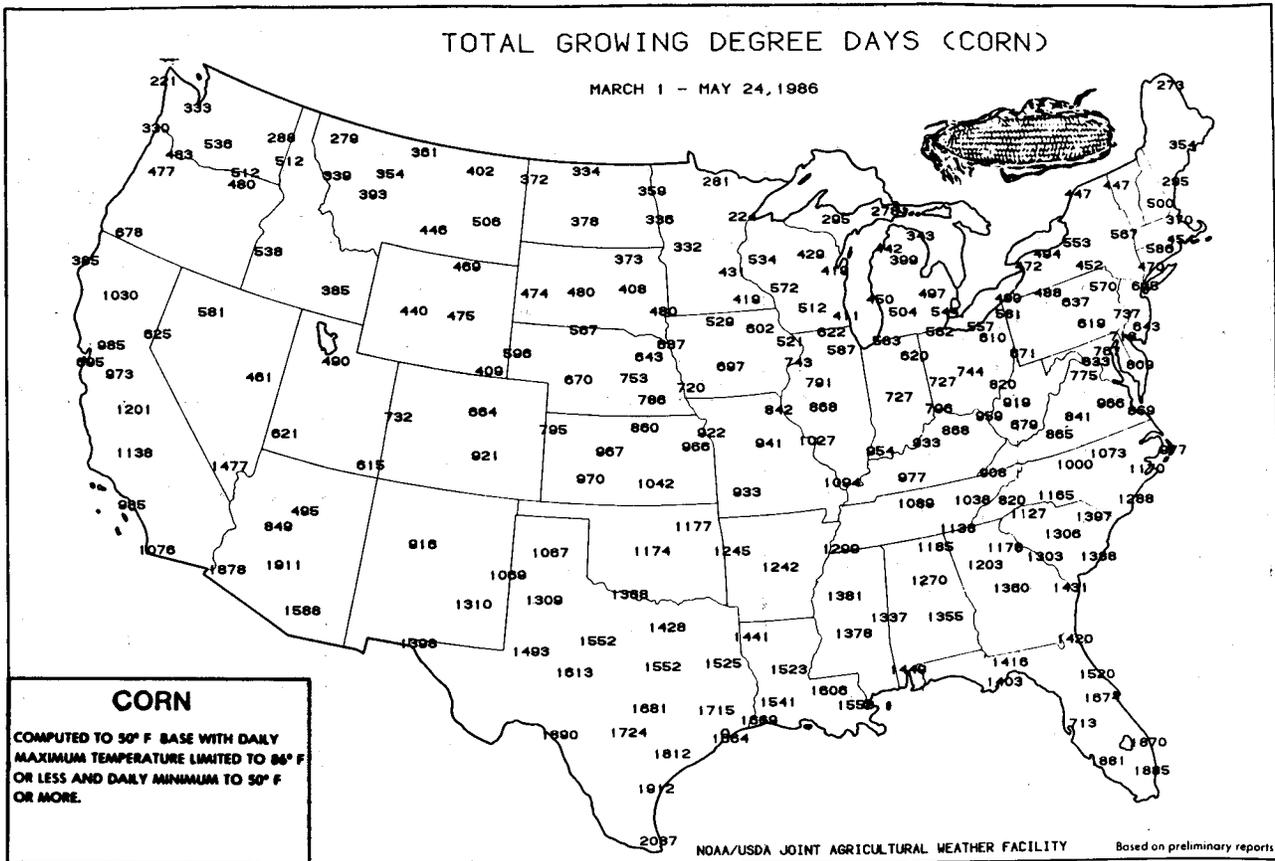






Point values may differ on these computerized maps from the reported values in the tables.





National Weather Data for Selected Cities

Weather Data for the Week Ending May 24, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	77	56	87	46	67	-5	1.5	-.5	1.5	4.8	31	7.7	31	94	46	0	0	3	1
MOBILE	83	60	87	54	72	-4	1.8	-.5	1.7	8.8	55	15.6	61	96	46	0	0	2	1
MONTGOMERY	81	59	91	50	70	-4	3.7	2.8	2.3	13.5	100	20.7	93	96	45	1	0	2	2
AK ANCHORAGE	58	38	66	34	48	0	0	-1	0	2.6	147	3.4	97	72	34	0	0	0	0
BARROW	23	17	26	14	20	-2	0	0	0	2	40	.5	56	91	77	0	7	1	0
FAIRBANKS	60	38	70	33	49	-2	.1	0	.1	.7	70	1.1	55	72	27	0	0	2	0
JUNEAU	55	40	62	36	48	0	.7	0	.5	11.1	125	21.4	131	96	56	0	0	4	0
KODIAK	52	37	65	31	45	1	1	-1.7	.1	9.0	59	25.5	86	86	52	0	1	2	0
NOME	37	26	45	23	32	-7	0	0	0	8	48	1.7	59	80	54	0	7	0	0
AZ PHOENIX	99	73	104	68	86	6	7	0	0	1.6	128	2.9	116	25	8	7	0	0	0
PRESCOTT	83	47	88	40	65	6	0	0	-1	0	2.0	73	3.1	52	39	13	0	0	0
TUCSON	97	66	102	59	81	7	0	0	0	1.3	113	3.4	131	26	10	7	0	0	0
YUMA	100	68	106	65	84	5	0	0	0	.2	46	.5	50	44	12	7	0	0	0
AR FORT SMITH	77	56	85	47	67	-4	.9	-.2	.9	13.9	118	17.7	109	96	51	0	0	3	1
LITTLE ROCK	74	60	79	53	67	-5	.2	-.9	.2	13.3	95	16.8	79	88	61	0	0	3	0
CA BAKERSFIELD	84	57	97	49	70	-2	0	-1	0	2.4	130	4.3	110	58	20	2	0	0	0
EUREKA	62	47	72	40	55	2	.3	-1	.1	10.1	108	27.3	127	93	69	0	0	3	0
FRESNO	88	56	101	49	72	3	0	-1	0	3.9	128	9.7	139	63	20	2	0	0	0
LOS ANGELES	71	57	73	55	64	1	0	0	0	5.2	183	12.9	154	93	65	0	0	0	0
RFD BLUFF	82	54	92	48	68	-1	0	-1	0	8.4	186	21.9	178	65	22	2	0	0	0
SACRAMENTO	80	50	90	44	65	-1	0	-1	0	4.1	112	16.3	154	81	29	1	0	0	0
SAN DIEGO	71	61	75	60	66	2	0	-1	0	4.2	162	7.6	123	87	60	0	0	0	0
SAN FRANCISCO	65	49	73	47	57	-1	0	0	0	6.4	142	18.6	150	91	53	0	0	0	0
CO DENVER	75	46	87	39	60	2	0	-6	0	4.2	85	5.1	82	64	21	0	0	0	0
GRAND JUNCTION	79	49	85	41	64	0	0	-1	0	2.0	96	2.5	76	52	18	0	0	0	0
PUEBLO	82	43	92	30	63	0	0	-4	0	1.4	48	1.7	50	61	14	2	1	0	0
CT BRIDGEPORT	73	58	82	53	66	6	.2	-6	.1	4.3	42	10.3	62	98	66	0	0	3	0
HARTFORD	79	58	90	52	68	7	1.6	-.9	.7	6.5	60	14.8	85	97	58	1	0	5	1
DC WASHINGTON	80	62	91	57	71	4	.6	-.3	.5	3.5	38	9.4	65	88	46	1	0	2	1
FL APALACHICOLA	82	63	87	58	73	-3	4.4	3.7	4.4	6.9	72	16.1	97	95	58	0	0	1	0
DAYTONA BEACH	85	62	89	59	74	-3	.7	-.2	.4	3.3	44	11.7	90	99	48	0	0	2	0
JACKSONVILLE	87	60	95	55	74	-2	1.8	.6	1.8	8.5	79	17.4	101	96	40	1	0	1	0
KEY WEST	86	76	87	75	81	0	.2	-.6	.1	2.8	55	6.1	70	86	66	0	0	3	0
MIAMI	86	71	89	65	78	-1	5.4	3.8	3.6	19.2	200	26.0	188	88	60	0	0	4	2
ORLANDO	89	65	93	63	77	-1	.7	-.3	.6	4.0	49	13.0	100	94	38	3	0	3	1
TALLAHASSEE	84	56	94	48	70	-5	1.2	-1	1.1	4.2	31	16.5	71	100	42	1	0	2	1
TAMPA	87	67	92	60	77	-1	.6	-.2	.6	7.7	100	11.4	88	91	44	2	0	2	1
WEST PALM BEACH	86	71	90	60	78	0	.8	-.7	.4	7.4	72	15.3	98	89	57	1	0	4	0
GA ATLANTA	78	56	85	45	67	-3	.9	0	.6	6.5	48	9.8	43	92	44	0	0	3	1
AUGUSTA	85	57	94	49	71	-1	.3	-.5	.3	5.9	53	9.9	52	95	38	1	0	1	0
MACON	84	59	94	50	72	-2	.6	-.3	.6	3.7	32	9.5	47	95	36	2	0	2	0
SAVANNAH	87	62	96	55	75	0	.9	-.3	.6	4.7	45	12.0	72	95	41	2	0	2	1
HI HILO	84	67	87	65	76	2	.5	-1.5	.3	62.6	182	68.0	119	87	54	0	0	4	0
HONOLULU	87	69	88	66	78	0	0	-3	0	1.3	21	2.8	23	84	45	0	0	0	0
KAHULUI	86	66	88	63	76	0	0	-1	0	7.2	155	9.4	78	87	50	0	0	0	0
LIHUE	82	72	83	65	77	1	0	-7	0	5.0	49	6.3	31	85	59	0	0	0	0
ID BOISE	74	45	87	33	60	1	.1	-2	.1	4.6	146	9.4	159	72	22	0	0	2	0
LEWISTON	70	47	84	38	58	-1	.3	-.1	.3	1.7	53	4.4	80	75	36	0	1	1	0
POCATELLO	69	38	83	28	54	-2	.5	-.3	.5	5.3	176	9.0	180	86	27	0	1	1	0
IL CHICAGO	61	44	71	41	53	-8	.6	-1	.5	5.8	67	8.8	76	94	53	0	0	2	0
MOLINE	70	46	74	39	58	-5	0	-9	0	8.4	84	11.3	88	91	41	0	0	0	0
PEORIA	69	46	78	38	57	-6	.6	-.2	.5	4.9	50	6.9	54	95	45	0	0	2	0
QUINCY	70	51	77	47	60	-5	.1	-.9	.1	7.4	71	9.6	73	90	47	0	0	1	0
ROCKFORD	66	45	71	39	55	-5	0	-8	0	7.0	72	10.1	82	90	46	0	0	1	0
SPRINGFIELD	70	47	80	40	59	-6	.2	-.5	.2	4.3	44	6.1	47	90	43	0	0	1	0
IN EVANSVILLE	70	50	80	42	60	-7	.8	-.2	.5	6.8	56	13.8	76	98	65	0	0	2	0
FORT WAYNE	63	46	75	45	55	-7	1.1	-.3	.8	8.4	92	12.0	91	99	66	0	0	5	1
INDIANAPOLIS	66	48	76	42	57	-7	.5	-.4	.4	13.8	137	17.5	115	94	58	0	0	3	0
SOUTH BEND	59	44	72	42	52	-9	.6	-.1	.4	6.9	75	10.6	77	99	66	0	0	2	0
IA DES MOINES	70	48	78	44	59	-5	0	-9	0	12.5	148	14.3	136	84	38	0	0	2	0
SIOUX CITY	72	46	75	39	59	-5	.1	-.7	.1	10.8	165	11.6	143	84	35	0	0	1	0
WATERLOO	69	43	74	37	56	-5	.2	-.8	.2	7.5	84	10.3	95	90	41	0	0	1	0
KS CONCORDIA	70	50	74	44	60	-5	0	-8	0	8.9	125	10.2	119	93	50	0	0	1	0
DODGE CITY	79	50	85	35	65	-1	0	-8	0	2.7	46	3.1	46	87	33	0	0	0	0
GOODLAND	74	48	81	37	61	0	0	-7	0	4.5	102	4.9	94	87	37	0	0	1	0
TOPEKA	73	52	78	45	62	-4	0	-9	0	11.9	145	13.5	134	96	50	0	0	0	0
WICHITA	75	55	80	45	65	-3	0	-9	0	5.6	77	6.8	77	88	46	0	0	5	0
KY BOWLING GREEN	69	51	80	41	60	-8	1.8	-.8	.8	8.8	68	13.5	63	97	59	0	0	5	2
LEXINGTON	67	49	79	41	58	-8	0	-1	0	5.7	47	8.8	47	95	59	0	0	1	0
LOUISVILLE	68	51	80	45	59	-7	.1	-.8	.1	6.4	53	11.2	60	94	57	0	0	4	0
LA ALEXANDRIA	82	60	89	53	71	-5	.2	-1.2	.2	6.3	41	9.6	37	86	55	0	0	1	0
BATON ROUGE	84	64	90	56	74	-2	1.1	-.1	1.1	8.6	60	13.8	58	92	49	1	0	1	0
LAKE CHARLES	83	65	88	58	74	-2	0	-1	0	6.5	59	10.2	53	95	53	0	0	0	0
NEW ORLEANS	84	65	89	57	75	-1	.6	-.6	.6	4.2	32	10.6	45	95	51	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 24, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	83	60	89	54	71	-3	.1	-1.0	.1	8.0	65	11.9	60	97	51	0	0	2	0
ME CARIBOU	59	47	85	40	53	1	1.6	1.0	.8	6.4	89	12.4	106	100	82	0	0	6	1
PORTLAND	67	53	78	50	60	6	2.0	1.3	.9	10.1	97	19.3	108	97	79	0	0	4	1
MD BALTIMORE	80	60	92	56	70	5	.5	-4	.1	4.0	41	9.9	63	94	47	1	1	3	0
SALISBURY	79	61	89	54	70	5	.5	-3	.3	3.1	31	11.0	66	96	47	0	0	3	0
MA BOSTON	75	58	90	54	66	6	.9	.1	.4	6.2	59	12.5	68	94	63	1	1	4	0
CHATHAM	63	52	68	51	58	4	1.0	.1	.9	6.5	60	12.1	62	—	—	0	0	2	1
MI ALPENA	56	43	61	41	50	-4	1.0	.4	.3	6.5	99	8.6	90	98	74	0	0	6	0
DETROIT	61	49	73	45	55	-5	.7	.1	.4	6.2	79	10.9	96	99	70	0	0	6	1
FLINT	59	46	72	42	53	-5	1.1	.4	.5	5.7	78	8.6	83	91	71	0	0	6	1
GRAND RAPIDS	59	45	67	43	52	-7	2.0	1.4	.9	8.6	103	12.9	109	99	74	0	0	5	2
HOUGHTON LAKE	56	44	66	39	50	-5	1.1	.5	.5	5.7	88	8.5	92	96	67	0	0	5	0
LANSING	57	46	65	43	52	-7	1.0	.5	.4	5.1	73	8.6	83	100	76	0	0	5	0
MARQUETTE	59	40	70	36	49	-3	0	-9	0	7.2	75	11.3	84	85	41	0	0	0	0
MUSKOGON	59	45	68	42	52	-6	.6	0	.4	5.6	73	9.3	79	95	62	0	0	3	0
MN SAULT STE. MARIE	63	42	70	38	52	1	T	-7	T	7.0	107	9.7	92	93	55	0	0	2	0
ALEXANDRIA	64	42	69	38	53	-4	.4	.3	.2	10.5	190	12.5	179	81	38	0	0	2	0
DULUTH	61	34	70	26	47	-5	T	-8	T	7.6	122	9.0	107	95	35	0	4	0	0
INT'L FALLS	69	37	75	31	53	0	T	-6	T	4.1	91	5.6	92	87	26	0	1	0	0
MINNEAPOLIS	67	43	74	38	55	-5	T	-8	T	10.7	175	12.4	159	79	34	0	0	2	0
ROCHESTER	64	39	71	36	52	-7	.1	-7	.1	8.4	123	9.6	117	90	44	0	0	2	0
MS GREENWOOD	79	59	87	51	69	-5	.5	.4	.4	7.7	49	9.7	38	94	54	0	0	2	0
JACKSON	80	59	90	50	70	-4	1.8	.8	1.5	7.9	50	10.1	40	97	53	1	0	2	1
MERIDIAN	81	58	89	48	70	-3	1.7	.8	1.7	8.7	56	12.0	48	98	51	0	0	1	1
MO CAPE GIRARDEAU	73	56	77	51	64	-1	.7	.3	.5	16.3	122	20.0	104	93	60	0	0	3	0
COLUMBIA	71	52	77	47	61	-4	0	-1.0	0	8.5	81	12.7	91	96	53	0	0	0	0
KANSAS CITY	72	51	77	45	62	-5	0	-1.1	0	7.9	88	9.2	81	91	45	0	0	2	0
SAINT LOUIS	71	53	77	46	62	-5	.5	.3	.5	4.3	45	9.1	68	88	51	0	0	2	1
SPRINGFIELD	71	52	75	43	62	-4	.4	-6	.4	8.8	82	10.9	75	94	57	0	0	2	0
MT BILLINGS	71	44	85	36	57	1	.1	-5	.1	5.7	119	7.8	120	76	29	0	0	2	0
GLASGOW	73	48	86	41	60	4	.1	.3	.1	3.2	126	4.1	121	88	43	0	0	2	0
GREAT FALLS	69	44	84	38	57	2	.5	-1	.5	4.7	110	6.0	100	82	32	0	0	3	0
HAVRE	69	44	84	39	56	0	1.4	1.0	.9	4.6	165	5.7	150	90	47	0	0	3	1
HELENA	71	41	82	34	56	3	.1	.3	.1	2.4	79	3.9	95	78	26	0	0	3	0
KALISPELL	65	40	76	31	53	0	.8	.3	.6	3.6	113	7.7	131	92	40	0	1	4	1
MILES CITY	73	48	87	43	60	2	.3	.3	.2	4.6	127	5.8	121	85	42	0	0	2	0
MISSOULA	70	39	82	27	54	1	.5	.1	.5	2.7	90	5.8	109	93	33	0	1	1	0
NE GRAND ISLAND	71	50	76	39	61	-2	.1	.8	0	6.5	93	7.0	84	87	38	0	0	3	0
LINCOLN	73	49	78	40	61	-3	T	-9	T	10.7	140	11.3	122	89	39	0	0	0	0
NORFOLK	70	47	74	37	59	-4	.4	.5	.3	9.7	150	10.9	140	88	36	0	0	2	0
NORTH PLATTE	70	43	74	33	56	-4	.4	.4	.3	6.2	113	7.4	116	94	46	0	0	3	0
OMAHA	71	50	76	44	61	-3	.1	.9	.1	14.4	167	14.3	149	84	41	0	0	3	0
SCOTTSBLUFF	73	44	81	33	59	-1	T	-6	T	4.5	104	6.5	125	91	29	0	0	0	0
VALENTINE	69	44	75	38	57	-2	.3	.4	.3	5.7	117	6.4	114	81	38	0	0	2	0
NV ELY	75	31	81	23	53	2	0	.3	0	3.3	120	4.3	105	64	15	0	5	0	0
LAS VEGAS	93	64	100	58	78	3	0	0	0	.4	51	.8	44	18	6	5	0	0	0
RENO	74	41	84	29	58	2	T	.2	T	1.8	99	7.0	175	65	15	0	1	0	0
WINNEMUCCA	74	34	84	20	54	-3	T	.2	T	2.0	98	3.2	89	64	15	0	2	0	0
NH CONCORD	78	58	93	52	68	11	.9	.3	.5	6.7	82	13.9	103	99	57	1	0	4	1
NJ ATLANTIC CITY	78	59	90	54	69	7	.6	.1	.5	7.0	73	14.2	86	95	51	1	0	3	0
NM ALBUQUERQUE	82	52	87	44	67	1	0	-1	0	1.4	105	2.6	124	46	11	0	0	0	0
CLOVIS	86	52	95	39	69	2	0	-5	0	.8	25	2.0	50	56	18	3	0	0	0
ROSWELL	89	54	97	38	71	0	0	-2	0	.4	36	1.6	94	54	13	4	0	0	0
NY ALBANY	77	55	91	51	66	6	2.3	1.5	1.0	8.2	97	14.4	110	100	62	1	0	6	2
BINGHAMTON	68	54	84	47	61	4	2.3	1.6	1.0	9.2	109	15.3	115	96	66	0	0	5	2
BUFFALO	64	52	82	49	58	0	4.3	3.7	3.4	9.7	117	14.6	107	99	69	0	0	6	1
NEW YORK	76	61	86	59	69	5	.6	.2	.3	6.4	60	13.6	81	95	56	0	0	3	0
ROCHESTER	66	51	85	47	58	0	1.2	.7	.7	7.4	104	11.5	98	99	69	0	0	5	1
SYRACUSE	71	53	89	47	62	3	2.1	1.4	.8	8.9	100	13.5	96	100	70	0	0	6	3
NC ASHEVILLE	72	50	81	42	61	-4	.8	.2	.4	4.7	38	7.6	39	97	56	0	0	4	0
CHARLOTTE	77	59	84	54	68	-1	1.0	.2	1.0	5.2	48	7.2	39	88	48	0	0	3	1
GREENSBORO	77	56	84	47	66	-1	.5	.3	.3	3.6	37	5.9	36	93	48	0	0	2	0
HATTERAS	80	66	83	63	73	5	1.7	.7	1.3	6.3	61	13.5	71	95	63	0	0	3	1
NEW BERN	80	63	85	57	72	1	2.9	1.8	2.0	8.4	84	13.4	75	95	54	0	0	3	2
RALEIGH	79	57	85	47	68	-1	2.4	1.6	1.5	6.5	69	10.1	62	95	46	0	0	5	2
WILMINGTON	83	64	90	57	74	2	4.5	3.5	3.7	9.9	98	14.6	85	94	49	1	0	2	2
ND BISMARCK	66	47	73	43	57	0	1.1	.6	.5	6.8	177	7.4	154	84	48	0	0	4	1
FARGO	67	45	73	35	56	-2	.4	.1	.2	6.3	144	7.5	139	75	33	0	0	2	0
GRAND FORKS	71	44	75	36	58	1	.1	.3	.1	4.1	116	5.1	106	82	31	0	0	2	0
WILLISTON	72	49	78	43	60	4	1.1	.6	.6	6.7	210	7.7	183	78	42	0	0	3	1
OH AKRON-CANTON	65	52	84	47	59	-2	.5	.3	.3	5.5	58	10.0	70	98	66	0	0	4	0
CINCINNATI	66	49	77	42	57	-2	.1	.8	.1	7.2	69	11.1	68	97	67	0	0	1	0
CLEVELAND	64	51	82	48	58	-7	1.7	1.0	1.2	10.1	114	15.4	114	99	68	0	0	7	1
COLUMBUS	66	52	83	46	59	-4	.5	.4	.3	5.2	54	9.7	67	96	57	0	0	5	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 24, 1986

STATES AND STATIONS	TEMPERATURE °F					PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	65	49	77	46	57	-6	.1	-.8	-.1	8.1	87	13.5	96	97	65	0	0	2	0
TOLEDO	61	46	72	41	54	-6	.5	-.1	-.4	7.1	90	10.5	90	99	71	0	0	5	0
YOUNGSTOWN	65	52	85	48	59	0	2.0	1.2	1.1	6.8	73	9.9	70	100	74	0	0	3	0
OK OKLAHOMA CITY	78	59	84	50	68	-1	T	-1.3	T	13.4	145	14.1	123	86	50	0	0	1	0
TULSA	76	58	81	50	67	-3	.1	-1.1	-.1	11.8	105	13.0	91	92	50	0	0	1	0
OR ASTORIA	62	47	71	41	55	2	.8	-.2	-.4	12.2	86	32.8	99	94	60	0	0	6	0
BURNS	67	36	78	24	52	-2	.1	-.1	-.1	2.0	134	6.8	296	—	—	3	2	2	0
MEDFORD	73	46	84	38	60	1	.1	-.2	-.1	2.5	64	9.7	103	88	35	0	0	2	0
PENDLETON	69	47	80	38	58	-2	-.6	-.4	-.5	2.7	93	7.0	121	77	37	0	0	2	0
PORTLAND	68	50	80	42	59	1	.7	-.3	-.4	6.7	88	16.7	94	89	50	0	0	3	0
SALEM	67	44	81	36	56	0	0	-.2	-.2	6.3	76	20.8	105	94	49	0	0	3	0
PA ALLENTOWN	78	58	90	51	68	7	1.7	0.9	1.3	8.2	77	16.8	99	90	47	1	0	3	1
ERIE	63	51	81	46	57	0	3.3	2.5	1.8	9.6	108	14.6	108	97	71	0	0	3	2
HARRISBURG	76	56	88	49	66	2	1.6	-.8	-.1	9.5	100	16.3	107	95	52	0	0	5	1
PHILADELPHIA	81	61	93	55	71	7	7	-.1	-.3	6.4	66	13.9	89	93	50	1	0	2	0
PITTSBURGH	67	53	87	47	60	-2	.2	-.6	-.1	4.3	45	10.3	69	86	53	0	0	4	0
SCRANTON	75	56	89	46	65	5	2.1	1.4	1.1	9.4	117	14.6	118	96	53	0	0	4	1
RI PROVIDENCE	76	58	86	54	67	7	1.6	-.8	1.1	6.9	63	16.0	85	100	65	0	0	4	1
SC CHARLESTON	85	64	93	57	75	1	.1	-1.0	-.1	4.4	44	10.6	63	95	45	1	1	1	0
COLUMBIA	86	58	92	48	72	-1	.1	-.8	-.1	3.8	32	6.3	32	90	33	0	0	1	0
FLORENCE	85	61	91	54	73	1	.6	-.2	-.6	4.7	49	6.9	42	91	39	1	1	2	1
GREENVILLE	79	54	86	46	67	-3	.8	-.2	-.7	6.8	51	9.4	43	97	48	0	0	3	0
SD ABERDEEN	68	46	72	38	57	-2	.5	-.1	-.4	11.2	231	12.2	203	84	40	0	0	3	0
HURON	67	45	72	37	56	-3	.9	-.3	-.8	9.8	187	10.6	166	88	44	0	0	3	0
RAPID CITY	70	44	79	39	57	-1	T	-.6	T	7.1	143	8.5	142	89	44	0	0	0	0
SIOUX FALLS	68	42	73	34	55	-5	.2	-.6	-.2	8.8	139	9.6	123	86	38	0	0	2	0
TN CHATTANOOGA	77	55	84	44	66	-3	1.7	-.8	1.1	4.4	31	9.1	38	95	44	0	0	3	2
KNOXVILLE	74	54	83	42	64	-5	1.4	-.6	-.6	5.4	44	10.3	49	97	52	0	0	4	1
MEMPHIS	74	60	84	51	67	-5	1.6	.5	1.1	9.3	61	12.3	51	95	61	0	0	3	3
NASHVILLE	72	52	81	41	62	-7	1.6	-.5	-.7	4.5	33	8.3	37	96	55	0	0	5	2
TX ABILENE	87	62	96	49	74	1	.1	-.7	0	2.5	42	4.0	51	77	29	3	0	2	0
AMARILLO	84	52	96	39	68	1	.7	0	-.7	2.2	55	3.2	64	79	22	3	0	1	0
AUSTIN	84	62	90	55	73	-3	T	-1.0	T	8.7	107	10.3	84	89	43	1	0	0	0
BEAUMONT	83	64	88	56	74	-3	T	-1.0	T	9.7	92	12.6	68	94	55	0	0	1	0
BROWNSVILLE	86	66	90	58	76	-4	1.0	.5	1.0	2.6	71	3.9	60	95	48	.2	0	1	0
CORPUS CHRISTI	86	64	89	58	74	-5	.3	-.4	-.3	3.6	71	6.4	77	94	48	0	0	1	0
DEL RIO	89	62	94	54	74	-3	0	-.4	0	2.1	52	4.0	73	69	26	0	0	0	0
EL PASO	90	57	95	41	73	0	0	-.1	0	.4	57	.8	53	28	10	0	0	2	0
FORT WORTH	80	60	88	50	70	-5	.4	-.6	-.3	10.2	108	12.7	98	89	51	0	0	0	0
GALVESTON	80	68	83	60	74	-3	0	-.8	0	4.2	58	6.6	52	88	58	0	0	0	0
HOUSTON	85	63	92	55	74	-2	T	-1.1	T	6.7	63	10.2	60	90	46	0	0	0	0
LJBBOCK	87	56	99	43	72	1	.2	-.5	-.2	1.6	40	2.5	52	71	21	3	0	1	0
MIDLAND	92	59	100	45	75	2	T	-.5	T	.3	9	.7	18	68	15	5	0	0	0
SAN ANGELO	87	59	95	46	73	-2	1.1	.5	1.1	4.4	98	5.3	88	80	29	3	0	2	0
SAN ANTONIO	86	61	92	52	74	-3	0	-.8	0	2.5	36	5.8	56	89	35	3	0	0	0
VICTORIA	84	63	90	56	74	-4	T	-1.1	T	4.9	66	6.5	57	94	47	1	0	0	0
WACO	85	61	94	52	73	-2	T	-1.1	T	8.3	87	12.9	97	92	44	2	0	0	0
WICHITA FALLS	83	58	94	47	70	-3	.2	-.8	-.2	6.6	80	7.7	75	94	44	2	0	1	0
UT BLANDING	78	44	82	40	61	3	0	-.1	0	2.8	144	4.4	105	53	16	0	0	0	0
CEDAR CITY	79	42	83	34	61	3	0	-.2	0	3.3	122	4.1	98	52	13	0	0	0	0
SALT LAKE CITY	73	45	86	38	59	-1	.4	-.2	-.3	10.3	200	12.4	159	75	23	0	0	2	0
VT BURLINGTON	70	52	86	48	61	2	3.0	2.3	1.4	8.1	113	13.5	125	100	68	0	0	7	2
VA NORFOLK	78	62	90	56	70	2	1.2	.3	1.0	5.4	56	10.6	64	91	53	1	0	3	1
RICHMOND	80	59	89	52	70	2	1.8	1.0	1.4	5.4	59	10.8	69	97	49	0	0	3	1
ROANOKE	74	51	82	42	63	-4	1.1	.3	.7	6.4	67	10.2	66	97	53	0	0	3	1
WA COLVILLE	67	45	78	33	56	0	.8	.5	.6	6.5	187	11.8	166	87	46	0	0	3	1
QUILLAYUTE	59	44	66	37	52	0	4.0	3.0	1.5	29.2	132	58.0	117	98	63	0	0	4	3
SEATTLE-TACOMA	65	48	74	42	57	1	.3	-.1	-.1	5.8	80	18.7	107	87	49	0	0	4	0
SPOKANE	66	43	77	33	54	-1	-.7	.3	.5	4.0	114	9.1	120	90	39	0	0	3	1
YAKIMA	71	43	82	30	57	-1	T	-.1	T	1.8	122	4.9	132	79	30	0	0	3	1
WV BECKLEY	64	45	75	36	55	-6	1.6	.7	1.1	8.1	76	12.3	71	100	64	0	0	3	1
CHARLESTON	70	52	84	43	61	-4	.9	0	-.6	6.7	65	13.1	77	99	60	0	0	4	0
HUNTINGTON	71	54	84	48	62	-3	.5	-.5	-.4	5.6	53	10.5	63	93	55	0	0	3	0
PARKERSBURG	69	53	84	47	61	-4	.6	-.4	-.3	5.3	50	10.5	60	99	60	0	0	3	0
WI GREEN BAY	63	43	70	36	53	-4	0	-.7	0	5.9	85	7.3	79	87	49	0	0	0	0
LA CROSSE	69	44	75	38	56	-5	T	-.8	T	6.7	86	8.0	83	91	35	0	0	1	0
MADISON	65	40	68	33	53	-6	T	-.8	T	5.7	73	9.4	95	97	45	0	0	0	0
MILWAUKEE	58	45	70	41	51	-5	T	-.6	T	5.4	68	10.3	94	89	56	0	0	1	0
WAUSAU	65	42	70	37	54	-4	.1	-.8	-.1	5.6	74	7.0	74	82	34	0	0	0	0
WY CASPER	72	36	83	28	54	-1	T	-.5	T	3.7	88	4.9	94	87	21	0	3	0	0
CHEYENNE	68	40	80	33	54	0	0	-.6	0	3.6	90	4.3	88	69	22	0	0	0	0
LANDER	71	41	82	27	56	0	.8	-.6	0	4.4	80	5.7	86	70	22	0	1	1	0
SHERIDAN	72	41	88	33	56	2	0	-.2	.8	3.5	72	5.3	83	88	31	0	0	1	1
PR SAN JUAN	88	74	89	73	81	1	.4	-.9	.4	20.4	198	23.7	155	94	59	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

National Agricultural Summary

May 19 to 25, 1986

HIGHLIGHTS: Precipitation lessened dry conditions in the Southeast, but considerable moisture is still needed, especially in Georgia. Rain across the eastern half of the Nation improved crop conditions and promoted growth. However, below-normal temperatures slowed growth in the Corn Belt, the central Great Plains States, and the Delta States. Farmers were able to work 4 to 6 days in most areas, despite rain. Most farmers in the Corn Belt worked 3 days or less. Soil moisture improved but still remained short in the Southeast. Soil moisture was mostly adequate elsewhere.

Corn was 88 percent (%) seeded, 7 points ahead of normal. Corn was tasselling and silking in some Southern States and reached the dough stage in Texas. The 11 major sorghum producing States seeded 52% of the acreage compared with the 42% average. Soybean planting was 5 points ahead of schedule at 42% finished. Cotton, at 71% seeded, was 2 points behind normal. Planting lagged behind normal in Alabama, Georgia, and Texas. Cotton was squaring and setting bolls in Texas and Arizona. Rice seeding was nearly finished except in California where 70% of the acreage was planted, 10 points behind normal. Winter wheat was 74% headed, compared with 59% normally. Spring wheat seeding made sizable gains, ending the week 88% finished, just 3 points behind normal. Livestock was mostly good. Pastures improved with moisture.

SMALL GRAINS: Winter wheat was mostly good in the Pacific Northwest, the northern and central Plains, the northern Rockies, and in the Corn Belt. Wheat was poor to fair in the Southeast, but additional moisture helped heads fill. Below-normal temperatures slowed growth a little in the central Plains and in the Corn Belt. Wheat was 74% headed in 17 of the 20 major producing States, 15 points ahead of normal. Heading was ahead of normal in nearly all States. Wheat harvest gained momentum across the Southeast, the Southwest, and in the Delta. Harvest was underway in Louisiana, Mississippi, Alabama, Oklahoma, and Texas. Harvest was near half finished in Louisiana. Small grains were 40% harvested in Arizona. Wheat began turning color in Illinois.

Spring wheat seeding almost equaled the average at 88% completion, but emergence was still 13 points behind the 73% emerged. Last year at this time seeding was nearly finished. Seeding was up 22 points from last week. Producers in North Dakota, increased planting 27 points. In Minnesota, seeding went from 41% complete last week to 76% finished this week.

CORN: Corn planting surged 11 points, from last week due largely to the rapid seeding pace in the Corn Belt and northern Plains. At week's end, corn was 88% planted, compared with 95% in 1985 and 81% normally. Seeding was ahead of normal in all major producing States except Iowa, Minnesota, and South Dakota. Corn was mostly good to fair except in the Southeast where conditions were fair to poor. Rain helped improve crop conditions in the Southeast but much more is needed.

SORGHUM: Sorghum was 52% seeded in the 11 major producing States, compared with the 42% average. Seeding doubled the 25% average in Nebraska and was 2 1/2 times greater than normal in Kansas. Seeding was slightly behind normal in Texas, but rain aided seeding progress. Sorghum began heading in the Blacklands.

SOYBEANS: In the 19 major soybean producing States, 42% of the acreage was seeded, 5 points ahead of normal but 16 points behind last year. Seeding more than doubled in Georgia, Iowa, Minnesota, Nebraska, South Carolina, and South Dakota. Seeding increased 10 points or more from last week in Alabama, Arkansas, Illinois, Indiana, Kansas, Louisiana, Mississippi, North Carolina, Ohio, and Tennessee.

COTTON: Cotton was mostly good to fair in the Delta and was fair to poor in the Southeast. Precipitation improved crop conditions in the Southeast, but additional moisture is needed. Cotton, at 71% planted, was 8 and 2 points behind last year and the average, respectively. Planting lagged 10 points behind normal in Alabama and 20 points behind normal in Georgia. In Texas, seeding was 8 points below the 55% average. Cotton was squaring and setting bolls in western Arizona and squaring in central areas. Hail damage may require some replanting in Texas. Plants were squaring and setting bolls in southern Texas.

OTHER CROPS: Rice was 92% planted compared with 86% in 1985 and the 88% average. Seeding was finished or nearly finished in all States except California. In California, seeding was 70% complete, 10 points below normal.

Peanut planting slowly crept towards completion. Moisture shortages held back planting in Georgia and Alabama. Peanuts were 60 and 69% seeded in Alabama and Georgia, 32 and 21 points behind normal, respectively. Seeding lagged 21 points behind normal in South Carolina. Seeding was ahead or equaled the normal pace in North Carolina, Mississippi, and Texas. Early planted peanuts were blooming in Georgia.

Burley tobacco transplanting lagged behind normal in most areas as a result of plant shortages and dryness. Flue-cured transplanting was behind normal in Virginia.

FRUIT AND NUTS: Rain was still needed in Florida's citrus areas, and irrigation continued. Non-irrigated trees were stressed and some began wilting. New crop fruit progressed well, but dryness caused softening in some old crop Valencia oranges. Valencia harvest was active in all areas, but grapefruit movement slowed.

Peaches, apricots, and nectarines were harvested in Arizona. A few Valencia oranges and grapefruit were packed. Nuts continued sizing well in California. Springcrest peaches and Maygrand nectarines were picked. Apricot harvest was beginning while cherry harvest declined. Coachella Valley table grape harvest continued with Perlettes being the main variety picked.

VEGETABLES: Widely scattered showers provided some moisture to vegetable producing areas in Florida. However, rainfall varied greatly. Vegetable shipments declined because supplies of snap beans, cabbage, celery, Chinese cabbage, eggplant, escarole, lettuce, peppers, potatoes, radishes, squash, and tomatoes declined. Harvest of vegetable crops was complete in southern Florida.

Melon harvest peaked in the Rio Grande Valley. Hail and severe weather damaged some cantaloups in the San Antonio-Winter Garden area. Vegetable planting continued in the High Plains.

Cantaloup harvest was expected to begin soon in Arizona. Lettuce was packed in Wilcox. Sweet corn and other mixed vegetables were harvested in the central valley. California strawberry picking was active in the San Joaquin Valley and along the central and south coast. Vegetable harvest consisted mostly of asparagus, broccoli, carrots, celery, and cauliflower.

PASTURES AND LIVESTOCK: Pastures improved with moisture in the Southeast, but conditions were mostly poor to fair. Pastures were mostly good in other areas. Livestock was mostly good.

CROP PROGRESS

FOR WEEK ENDING MAY 25, 1986

WEEKLY CROP WEATHER CONDITION PERCENT REPORT FOR WEEK ENDING MAY 25, 1986

WINTER WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	48	52	0
CALIF	NA	0	15	45	40
COLO	9	9	37	40	5
GA	6	31	49	14	0
IDAHO	0	0	22	67	11
ILL	5	6	55	33	1
IND	NA	4	32	61	3
KANS	5	16	26	33	20
MICH	2	8	25	50	15
MO	NA	38	47	14	1
MONT	0	0	11	78	11
NEBR	0	0	34	52	14
N MEX	0	19	63	18	0
N C	NA	41	52	7	0
OHIO	0	2	32	63	3
OKLA	NA	10	45	45	0
OREG	0	0	45	55	0
S DAK	0	0	15	65	20
TEX	2	16	62	19	1
WASH	NA	0	40	50	10

SPRING WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
IDAHO	0	6	11	78	5
MONT	0	0	6	88	6
N DAK	0	0	13	73	14
S DAK	0	1	16	72	11

RICE

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	25	70	5
LA	0	0	38	62	0
MISS	0	0	67	17	16
TEX	0	0	15	67	18

SOYBEANS

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	5	7	77	11
OHIO	0	3	22	70	5

CORN

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
COLO	3	0	30	53	14
GA	5	23	56	16	0
ILL	0	0	13	71	16
IND	NA	2	26	69	3
IOWA	1	4	26	56	13
KANS	0	0	23	30	47
KY	NA	5	46	45	4
MICH	1	4	25	55	15
MO	NA	4	40	52	4
N C	NA	2	71	27	0
OHIO	0	2	17	76	5
S DAK	0	5	24	62	9
TEX	0	9	29	53	9

GRAIN SORGHUM

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	22	73	5
LA	0	0	64	36	0
MISS	0	5	50	38	7
TENN	2	2	44	50	2
TEX	0	2	34	57	7

COTTON

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARIZ	0	0	0	90	10
ARK	0	0	15	81	4
CALIF	NA	0	25	50	25
GA	4	25	57	14	0
LA	0	0	73	27	0
MISS	0	0	33	67	0
N MEX	0	0	29	71	0
N C	NA	5	78	17	0
S C	34	4	62	0	0
TENN	1	7	33	56	3
TEX	4	4	27	60	5

GRAIN SORGHUM
% PLANTED

	1986	1985	AVG.
ARK	89	85	80
ILL	45	33	21
KANS	25	25	10
LA	96	96	84
MISS	83	76	60
MO	51	58	42
NEBR	50	60	25
OKLA	25	35	25
S DAK	9	43	23
TENN	70	55	NA
TEX	75	78	77

11 STATES 52 55 NA

EXCL. STATES WITH NA 52 55 42

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

SPRING WHEAT
% PLANTED

	1986	1985	AVG.
IDAHO	93	96	95
MINN	76	97	94
MONT	90	100	90
N DAK	90	98	87
S DAK	90	100	99

5 STATES 88 98 91

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

CORN
% PLANTED

	1986	1985	AVG.
COLO	92	92	87
GA	99	100	98
ILL	99	95	86
IND	90	95	70
IOWA	88	100	89
KANS	96	90	75
KY	92	88	70
MICH	85	95	80
MINN	71	92	83
MO	89	95	77
NEBR	93	95	75
N C	100	99	98
OHIO	94	96	72
PA	81	86	65
S DAK	45	87	69
TEX	100	100	99
WIS	86	88	76

17 STATES 88 95 81

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

RICE
% PLANTED

	1986	1985	AVG.
ARK	94	84	84
CALIF	70	62	80
LA	99	98	94
MISS	99	100	93
TEX	100	97	98

5 STATES 92 86 88

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

RICE
% EMERGED

	1986	1985	AVG.
ARK	88	70	65
CALIF	35	45	29
LA	97	94	89
MISS	97	92	75
TEX	99	89	93

5 STATES 83 75 68

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

SOYBEANS
% PLANTED

	1986	1985	AVG.
ALA	29	46	36
ARK	34	22	20
GA	18	47	32
ILL	71	72	47
IND	40	65	35
IOWA	35	84	48
KANS	25	25	15
KY	31	24	18
LA	62	56	39
MICH	20	55	35
MINN	36	69	49
MISS	36	46	34
MO	32	54	28
NEBR	50	55	25
N C	23	38	39
OHIO	62	68	42
S C	23	26	30
S DAK	14	55	42
TENN	30	25	20

19 STATES 42 58 37

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

SPRING WHEAT
% EMERGED

	1986	1985	AVG.
IDAHO	85	78	84
MINN	39	87	81
MONT	70	90	70
N DAK	57	86	63
S DAK	74	100	93

5 STATES 60 89 73

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

WINTER WHEAT
% HEADED

	1986	1985	AVG.
ARK	99	97	NA
CALIF	100	99	98
COLO	63	56	26
GA	100	100	98
IDAHO	0	0	0
ILL	90	94	72
IND	80	90	35
KANS	100	98	60
MICH	5	20	5
MO	93	98	73
MONT	0	0	0
NEBR	55	60	30
N MEX	98	NA	NA
N C	99	NA	NA
OHIO	60	78	34
OKLA	100	100	98
OREG	11	2	11
S DAK	0	16	33
TEX	99	97	93
WASH	2	5	14

20 STATES 75 NA NA

EXCL. STATES WITH NA 74 75 59

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

COTTON
% PLANTED

	1986	1985	AVG.
ALA	86	99	96
ARIZ	99	99	99
ARK	98	96	93
CALIF	99	99	100
GA	64	95	84
LA	97	97	89
MISS	98	98	95
MO	98	96	91
N MEX	85	95	85
N C	97	98	94
OKLA	35	45	20
S C	95	100	98
TENN	93	91	85
TEX	47	62	55

14 STATES 71 79 73

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

State Summaries of Weather and Agriculture

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

ALABAMA: Temperatures averaged 3 to 6° below normal. Rainfall ranged from 0.33 to 3.00 in. across State.

Days suitable for fieldwork 4.7. Soil moisture 64% short, 36% adequate. Fieldwork progress behind schedule. Peanuts planted 60%, 95% 1985, 92% avg. Crop prospects improved recently due to rain, more needed. Primary activities: Planting cotton, soybeans, peanuts, sorghum; land preparation; fertilizer, lime application; spraying pecans; crop cultivation; harvest of wheat, hay; care of livestock, poultry; general farm chores.

ALASKA: Summer-like, daytime temperatures, sunshine promoted crop growth throughout Railbelt. Temperatures ranged 5° below normal to 5° above normal. Precipitation less than normal.

Days suitable for fieldwork 6.5. Topsoil moisture 2% short, 86% adequate, 12% surplus. Subsoil moisture 85% adequate, 15% surplus. Barley grain seeding 60% complete. Commercial potato planting 80% complete. Livestock fair to excellent; being moved on ranges. Hayfields, pastures greening up; prospects good to excellent. Commercial hardy vegetables 50% planted.

ARIZONA: Sunny skies, warm dry air, occasional windy conditions prevailed. No rain reported. Temperatures 70s, 80s high country, 80s and 90s 5,000 ft., 95 to 109° lower deserts. Averages 2 to 7° above normal.

Cotton planting near completion; squaring west, central. Setting bolls west. Cotton plants 6 in. tall. Small grain combining advanced, 40% harvested. Most wheat turned color. Alfalfa cut. Crop good to excellent. Weeds, insects light to moderate. Corn, sorghum developing. Crops southeast 80 to 85% planted, stands established 60%. Corn tasseling west. Yuma County safflower blooming, setting seed. Sesame good. Potatoes shipped west, central. Sweet corn harvested Hyder, central valley. Other mixed vegetables, dry onions packed central valley. Lettuce packed Willcox, market firm. Honeydews, watermelons shipped Hyder, Yuma. Cantaloups approaching harvest. Grape harvest advanced Hyder. Central valley peach, apricot, nectarine harvests continued. Few Valencia oranges, grapefruit packed. Apple crop good.

ARKANSAS: Temperatures below normal except last of week warm, humid. Scattered showers variable amounts weeks end. Temperature extremes 42°; 90°. Rainfall 0.09 to 2.29 in.

Days suitable for fieldwork 5.0. Soil moisture 6% short, 70% adequate, 24% surplus. Major activities: Cutting, baling hay; pasture weed control; sprigging Bermuda; planting, fertilizing crops; pesticide, herbicide application; land preparation, cultivation. Thrips hampering cotton. Cool temperatures limiting effectiveness rice herbicides. Rainfall helpful soybean planting. Wheat maturing rapidly. Army worms damaging pastures. Fly, tick problems continued.

CALIFORNIA: Strong high pressure broke over north State as low pressure brought cooler temperatures, precipitation. Temperatures averaging 1 to 3° above normal most areas, 5 to 6° above average central San Joaquin Valley, Los Angeles Basin.

Small grains drying out, turning color. Farmers cut small grain hay. Rice planting active. Rice controls applied. Alfalfa hay excellent.

Overwintered sugarbeet harvest near complete. Early planted sugarbeets thinned, weeded. Normal cultural practices continued orchards, vineyards. Irrigation, cultivation, pest control major activities. Apricot harvest underway. Cherry harvest winding down. Coachella Valley table grape harvest continued, Perlettes main variety picked. Maygrand nectarines packed. Some peach varieties still being thinned, spraying started for Oriental fruit moth. Springcrest Freestone peach packed. Some movement citrus continued. Nuts continued to size. Artichokes light variable quality Salinas area. Asparagus harvest active Delta, other central valley, south coast. Broccoli heavy Salinas fairly heavy Santa Maria variable quality. Harvest continued Riverside County. Carrot digging Salinas very light variable quality. Movement slowed Imperial Valley. Coachella Valley most shippers finishing. Cauliflower fairly light Salinas fairly heavy Santa Maria variable quality. Celery light but increasing slowly variable quality Santa Maria. Harvest progressed south coast. Sweet corn harvest active Coachella Valley tapering off. Cucumbers harvested Fresno County, southern areas of State. Lettuce fairly heavy Salinas generally good quality, variable weight. Lettuce fields Westside being prepared. Cantaloup harvest early peak, mostly good quality Imperial Valley. Early fields Westside good progress. Watermelon harvest active Imperial Valley. Summer melons Sacramento Valley sprouted, growing well. Grading, shipping dry onions desert slowed, season over end of May. Growers Fresno cure, box, sweet red variety. Freezer pea harvesting Merced-Atwater complete. Harvesting spring potatoes Kern District picked up, fall potato movement continued Tulelake-Butte Valley. Planting new fall crop 85% complete. Strawberry picking continued central coast, San Joaquin Valley, south coast. Sweetpotato planting almost complete Merced-Atwater. Tomatoes fresh market, processing progressed well. Many processing fields Westside set good crops. Movement livestock summer grazing areas nearing peak levels. Winds dried Foothill, valley pastures. Marketing cattle slow due low prices. Livestock continued making good gains.

COLORADO: Temperatures averaged normal 3° above normal. Precipitation totals averaged none to 0.56 in.

Days suitable for fieldwork 5.8. Soil moisture 22% very short, 32% short, 44% adequate, 2% surplus. Winter wheat fair to good. Barley seeded 99%, 98% 1985, 98% avg.; 93% emerged, 95% 1985, 91% avg. Oats seeded 97%, 98% 1985, 94% avg. Dry beans seeded 22%, 36% 1985, 18% avg. Livestock good; range, pasture fair to good.

FLORIDA: Midweek cold front brought thundershowers with 1.00 to 3.00 in. rainfall north, south; less than 1.00 in. central; isolated amounts more than 5.00 in. extreme southeast coast. Temperatures little below normal north near normal central, south.

Soil moisture short. Early week rainfall provided temporary relief. Cotton, peanut, soybean planting resumes. Corn fair. Tobacco mostly good, later than normal. Winter wheat harvest, haymaking active. Early week rains very beneficial for pastures; more time, rains needed for recovery from dry spring. Grazing generally poor to fair, but very poor, to severely stressed from dry soils some Panhandle, northern localities. Few lower Peninsula areas, mostly southeast, good to excellent. Cattle,

Panhandle, northern Peninsula continued mostly fair, elsewhere fair to good. Rain still needed citrus areas. Irrigation continued. Non-irrigated trees stressed, some wilt. New crop progress normal. Some old crop Valencias softening due to dryness. Valencia harvest active all areas, grapefruit movement slowing. Warm days, mild nights, widely scattered showers provided some moisture vegetable producing areas. Temperature lows 60s to 70s, highs mostly 80s. Rainfall varied widely, few heavy showers southern areas. Winds mostly light to moderate, gusty thunderstorms. Harvest most crops completed south, active central. Shipments declined; lower volume snap beans, cabbage, celery, chinese cabbage, eggplant, escarole, lettuce, peppers, potatoes, radishes, squash, tomatoes offsetting increases carrots, sweet corn, cucumbers, strawberries, watermelons.

GEORGIA: Temperatures 1 to 5° below normal. Warmest temperatures low, mid 80s north, upper 80s to mid 90s central, south. Coolest temperatures 30s, 40s north to 50s central, south. Rainfall mostly under 0.75 in. north, local amounts 1.00 to 2.00 in. Rain over central, south mostly under 0.25 in. except local amounts of 1.00 to 2.00 in. extreme south, east.

Days suitable for fieldwork 5.7. Soil moisture 45% very short, 48% short, 7% adequate. Sorghum grain 3% very poor, 26% poor, 59% fair, 12% good; 40% planted, 71% 1985, 46% avg. Peanuts 2% very poor, 25% poor, 60% fair, 13% good; 69% planted, 97% 1985, 90% avg.; 1% blooming, 6% 1985, 1% avg. Soybeans 18% planted, 47% 1985, 32% avg. Tobacco 6% poor, 66% fair, 28% good. Watermelons 2% very poor, 18% poor, 72% fair, 8% good; 98% planted, 100% 1985, 97% avg. Rye 6% very poor, 32% poor, 48% fair, 14% good. Other small grains 5% very poor, 35% poor, 51% fair, 9% good. Apples 3% very poor, 17% poor, 54% fair, 26% good. Peaches 2% very poor, 14% poor, 53% fair, 31% good; 6% harvested, 7% 1985, 4% avg. Pasture 16% very poor, 54% poor, 25% fair, 5% good. Hay 14% very poor, 54% poor, 29% fair, 3% good. Cattle 3% very poor, 22% poor, 57% fair, 18% good. Hogs 8% poor, 43% fair, 48% good, 1% excellent. Main activities: Planting soybeans, peanuts, vegetables; harvesting small grains, peaches; pastures, hay crops - moisture stress; irrigating where available.

HAWAII: Conditions mostly sunny. Light, variable winds toward week's end brought overcast skies, scattered showers some inland areas. Temperatures ranged mid 60s to upper 80s. Rainfall ranged none to 5.80 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Pineapple, sugarcane harvesting active. Banana, papaya orchards fair to good. Hot days, warm nights some areas, slowed progress leafy vegetables, beneficial round onions.

IDAHO: Temperatures below normal. Precipitation 21st and 22nd. Warmer temperatures late week.

Days suitable for fieldwork 5.0. Planting, seeding active. Winter wheat good. Spring wheat good. Livestock good. Increased movement of livestock to summer range. Pastures developed slowly due to cool, wet conditions. Potatoes 49% planted, 73% 1985, 76% avg.

ILLINOIS: Temperatures averaged mostly 6 to 10° below normal. Precipitation none to 2.74 in. heaviest west, southwest areas.

Days suitable for fieldwork 3.0. Soil moisture 15% short, 65% adequate, 20% surplus. Winter wheat filled 45%, 38% 1985, 23% avg.; turning yellow 1%, 5% 1985, 1% avg. Oats 3% poor, 30% fair, 60% good, 7% excellent; headed 15%, 16% 1985, 6% avg.; filled 2%, 4% 1985, 1% avg. Alfalfa 1% poor, 21% fair, 68% good, 10% excellent; alfalfa

1st crop cut 30%, 45% 1985, 21% avg.; red clover crop cut 20%, 25% 1985, 2% avg. Pasture 22% fair, 67% good, 11% excellent. Major farm activities: Seeding soybeans, hoeing corn, applying herbicides, spreading fertilizer, cutting hay.

INDIANA: Temperatures 6 to 8° below normal. Lows upper 30s, low 40s. Highs upper 70s. Below normal rainfall. Totals 0.25 in. north, 0.25 to 0.50 in. south, 1.00 to 1.50 in. west central, southwest.

Fieldwork averaged 1.6 days. Topsoil moisture 2% short, 49% adequate, 49% surplus. Subsoil moisture 6% short, 66% adequate, 28% surplus. Cool, wet weather slowed both fieldwork, crop growth. Corn good; 85% emerged, 84% 1985, 62% avg. Soybeans 45% emerged, 50% 1985, 25% avg. Wheat fair to mostly good. Wheat 100% in boot. Oats 11 in. high, 11 in. 1985, 7 in. avg. Tobacco plants 10% set, 20% 1985, 10% avg. Alfalfa 15% cut once, 40% 1985, 15% avg. All other hay 10% cut, 20% 1985, 5% avg.

IOWA: Sunny conditions statewide 19th to 22nd wet weather over eastern two-thirds State 23rd to 25th. Temperatures averaged below normal; temperatures ranged mid 40s to low 70s.

Days suitable for fieldwork 3.5. Topsoil moisture 65% adequate, 35% surplus; subsoil moisture 60% adequate, 40% surplus. Oats 3% poor, 10% fair, 68% good, 19% excellent. Winter wheat mostly fair to good. Hay 3% poor, 14% fair, 57% good, 26% excellent. First crop alfalfa harvested 3%, 19% 1985, 6% avg. Corn emergence uneven north, some reports of cutworm; corn emerged 70%, 93% 1985, 63% avg. Soybean planting slow; soybeans emerged 12%, 29% 1985, 12% avg. Seedbed preparation 90% completed; fertilizer application 93% completed, 100% 1985, 100% avg. Livestock mostly good; pastures good to excellent.

KANSAS: Precipitation averaged little or none southwest, 0.10 to 0.20 in. elsewhere. Temperatures averaged 62° north central, 66° elsewhere. Temperatures from 2° above normal northwest, 3° below normal elsewhere.

Days suitable for fieldwork 4.0. Soil moisture 37% short, 45% adequate, 18% surplus. Moisture short west, adequate central, surplus east. Scattered hail damage. Wheat streak mosaic, leaf rust primary wheat diseases. Russian wheat aphid confirmed 16 counties. Corn good growth, early cutworm damage not serious. Planting sorghum, soybeans moisture permits. Generally too wet east, too dry west. First cutting alfalfa 65% complete, weevil, black stem disease affecting yield. Range, pasture poor west, causing some early herd culling.

KENTUCKY: Cool with some showers. Daily mean temperatures averaged 60s, 8 to 10° below normal. Rainfall averaged around 1.00 in. west, from 0.40 to 0.80 in. east.

Days suitable for fieldwork 4.0. Soil moisture 12% very short, 39% short, 41% adequate, 8% surplus. Rains replenished supplies. Corn planting still ahead of 1985 and average. Corn 85% planted acreage emerged. Cultivation, nitrogen application. Soybean planting also head of 1985 and average. Burley setting 20% complete, 46% 1985, 20% avg. Dark types 21% set. Some plant shortages. Wheat crop virtually headed. Rust some fields. Wheat 21% poor, 44% fair, 31% good, 4% excellent. Sorghum planting 30% complete. Hay crops poor to fair.

LOUISIANA: Temperature 2 to 5° below normal. Temperature extremes 52°; 93°. Rainfall averaged none to 3.20 in. across State.

Days suitable for fieldwork 5.5. Soil moisture 48% short, 52% adequate. Corn fair to good; 15% silked, 21% 1985, 18% avg. Cotton 97% planted, 97% 1985, 89% avg.; 94% emerged, 93% 1985, 80% avg.

Rice 99% planted, 98% 1985, 94% avg.; 97% emerged, 94% 1985, 89% avg. Sorghum 96% planted, 96% 1985, 84% avg.; 93% emerged, 91% 1985, 78% avg. Soybeans 62% planted, 56% 1985, 39% avg.; 44% emerged, 42% 1985, 27% avg. Sweetpotatoes fair to good; 56% planted, 72% 1985, 61% avg. Winter wheat fair to good; 98% turning color, 97% 1985, 92% avg.; 42% harvested, 26% 1985, 20% avg. Hay 1st cutting 54% complete, 58% 1985, 46% avg. Sugarcane, vegetables, pasture, livestock fair to good. Main activities: Planting cotton, rice, sorghum, soybeans, sweetpotatoes, vegetables; baling hay; harvesting winter wheat.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 6° above normal over State; lowest temperature 38° Oakland; highest temperature 92° Baltimore Airport, College Park. Precipitation averaged 1.27 in., ranging from 0.35 to 4.00 in.

Days suitable for fieldwork 4.4. Topsoil moisture short to adequate; subsoil moisture mostly short. Small grains fair to good. Wheat 92% headed, 100% 1985, 84% avg. Oats 24% headed, 53% 1985, 44% avg. Planting progress: Field corn 93% planted, 97% 1985, 89% avg.; soybeans 15% planted, 28% 1985, 23% avg.; tobacco transplants 20% planted, 48% 1985, 27% avg.; sweet corn 78% planted, 99% 1985, 87% avg.; watermelons 96% planted, 100% 1985, 84% avg.; cantaloupes 84% planted, 94% 1985, 76% avg.; cucumbers 94% planted, 82% 1985, 71% avg.; lima beans 58% planted, 88% 1985, 64% avg.; snap beans 72% planted, 99% 1985, 80% avg.; tomatoes 94% planted, 90% 1985, 78% avg. Alfalfa 1st cutting 72% harvested, 74% 1985, 43% avg. Other hay 1st cutting 26% harvested, 54% 1985, 26% avg.

Delaware: Temperatures averaged 8° above normal over State; lowest temperature 50° Dover; highest temperature 92° Dover, Milford. Precipitation averaged 1.09 in., ranging from 0.69 to 1.49 in.

Days suitable for fieldwork 4.6. Topsoil moisture short; subsoil moisture short. Small grains mostly fair. Wheat 95% headed, 93% 1985, 81% avg. Planting progress: Field corn 96% planted, 96% 1985, 91% avg.; soybeans 26% planted, 34% 1985, 34% avg.; sweet corn 100% planted, 90% 1985, 89% avg. Alfalfa 1st cutting 78% harvested, 14% 1985, 34% avg. Light corn cutworm moderate powdery mildew.

MICHIGAN: Temperatures ranged 3 to 8° below normal Lower Peninsula; normal Upper Peninsula. Temperature extremes 38°; 74°. Precipitation ranged from none to 2.00 in.

Days suitable for fieldwork 1.0. Soil moisture 10% short, 40% adequate, 50% surplus. Corn 85% planted, 95% 1985, 80% avg.; 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Planted acres emerged 55%. Surplus moisture yellowed plants. Soybeans 20% planted, 55% 1985, 35% avg. Wheat 5% headed, 20% 1985, 5% avg.; 2% very poor, 8% poor, 25% fair, 50% good, 15% excellent. Warm dry weather needed for crop development. Spraying, mowing orchards. Vegetable replanting late week. Asparagus harvest 45% done. First crate strawberries delivered May 24.

MINNESOTA: Temperature averaged 5° below normal to 2° above normal. Temperature extremes 26°; 77°. Precipitation averaged 0.70 in. below normal to 0.09 in. above normal. No rain first part week.

Day suitable for fieldwork 5.5. Topsoil moisture 3% short, 74% adequate, 23% surplus. Rapid progress, field conditions much improved, still working around many wet spots. Spring wheat, other small grain planting very active; emergence slow; soil cool. Oats 84% planted, 96% 1985, 94% avg.; 67% emerged, 90% 1985, 86% avg. Barley 69% planted, 97% 1985, 91% avg.; 32% emerged, 85% 1985, 77% avg. Corn planting very active; harvesting of 1985 corn slow. Corn 35% emerged, 74% 1985, 44%

avg. Soybeans, sugarbeet planting very active. Sugarbeets 88% planted, 99% 1985, 97% avg. Potatoes 45% planted, 77% 1985, 65% avg. Hay cutting started; good prospects for quantity, quality.

MISSISSIPPI: Average temperatures 2 to 4° below normal. Thundershowers throughout, up to 4.00 in. northeast.

Days suitable for fieldwork 4.0, 4.5 1985, 3.8 avg. Soil moisture 18% short, 64% adequate, 18% surplus. Corn 3% poor, 30% fair, 64% good, 3% excellent; 98% planted, 99% 1985, 95% avg.; 94% emerged, 88% 1985, 83% avg.; 1% silking, 2% 1985, 5% avg. Wheat 100% heading, 100% 1985, 100% avg.; 37% ripe, 27% 1985, 33% avg.; 2% harvested, 3% 1985, 4% avg.; 44% poor, 38% fair, 18% good. Sweetpotatoes 45% planted, 51% 1985, 50% avg. Peanuts 72% planted, 65% 1985, 65% avg. Watermelons 82% planted, 85% 1985, 89% avg. Hay harvested 22%, 39% 1985, 23% avg. Peaches 20% very poor, 60% poor, 20% good; none harvested. Main activities: Planting, spraying for insects, applying nitrogen.

MISSOURI: Temperatures averaged 5° below normal. Rainfall 1.25 in. southeast, less than 0.25 in. rest of State. Flooding continued over main streams of Mississippi, Missouri Rivers.

Days suitable for fieldwork 1.9. Soil moisture 3% short, 47% adequate, 50% surplus. Wheat mostly poor to fair. Corn fair to good. Alfalfa 1st cutting 35%, 58% 1985, 33% avg. Other hay cutting 15%, 28% 1985, 12% avg. Pasture 2% poor, 36% fair, 60% good, 2% excellent.

MONTANA: Rainfall moderate to heavy north central 1.50 to 2.00 in., light to moderate elsewhere. Temperatures normal to 4° above. Most freezing temperatures west, southwest; coldest 13°.

Days suitable fieldwork 3.3. Topsoil moisture 6% short, 69% adequate, 25% surplus. Subsoil moisture 3% short, 89% adequate, 8% surplus. Barley 90% planted, 100% 1985, 95% avg. Oats 85% planted, 95% 1985, 85% avg. Potatoes 60% planted, 55% 1985, 55% avg. Cattle moved summer range 60%, 70% 1985, 60% avg. Sheep moved 60%, 70% 1985, 55% avg. Pasture, range feed 7% poor, 47% fair, 46% good.

NEBRASKA: Precipitation averaged 0.50 to 1.00 in. Temperatures averaged 2 to 7° below normal.

Days suitable for fieldwork 5.2. Topsoil moisture 6% short, 86% adequate, 8% surplus. Subsoil moisture 8% short, 82% adequate, 10% surplus. Cool weather caused poorly colored corn east. Corn emerged 70%, 60% 1985, 40% avg. Sorghum emerged 20%, 20% 1985, 6% avg. Soybeans emerged 20%, 20% 1985, 7% avg. Wheat fair to good. Continuous crop wheat, southwest mostly fair due to dry spring. Wheat headed remained most advanced southern counties. Range, pasture mostly adequate. Branding, tagging calves. Moved culls, open cows to sale barn. Insect control measures implemented, cool weather mostly favorable to livestock.

NEVADA: Temperatures averaged near seasonal normals north, above average south, extreme south. Precipitation sparse all areas. Dry weather common early. Trough cold air midweek accompanied strong winds, especially west. Freezing overnight temperatures reported before cold air moved out. Warmer air returned end period.

Potato planting finished main producing area. Warmer weather promoted potato, small grain, row crop emergence, growth. Calving, lambing complete.

NEW ENGLAND: Warm week. Temperatures averaged 3 to 8° above normal. No frosts. Rainfall averaged 2.00 to 2.50 in. north, 2.70 to 3.96 in. Vermont, 1.00 to 2.00 in. south.

Days suitable for fieldwork 4.5. Soil moisture 5% short, 80% adequate, 15% surplus. Fieldwork progress generally 1.5 days ahead of schedule. Grazing availability 95% adequate, 5% surplus. Rains improved crop growth, slowed fieldwork progress. Maine potatoes 65% planted, 55% 1985, 55% avg. Field corn 65% planted, 75% 1985, 60% avg. Field corn 40% emerged, 30% 1985, 20% avg. Sweet corn 65% planted, 65% 1985, 50% avg. Maine oats 85% sown, 70% 1985, 60% avg. Connecticut shade tobacco 100% transplanted. First hay crop early maturing, low tonnage. Apples petal fall to fruit set. Maine wild blueberries 30 to 100% full bloom north to south. Major farm activities: Planting, plowing, fertilizing, spraying.

NEW JERSEY: Temperatures averaged 2 to 4° above normal. Extremes 43°; 93°. Rainfall averaged 1.53 in. north, 0.92 in. central, 0.71 in. south. Heaviest 24-hour total 1.90 in. on 21st, 22nd. Estimated soil moisture percent field capacity averaged 80% north, 58% central, 45% south. Four inch soil temperatures averaged 66° north, 67° central, south.

Beneficial showers improved non-irrigated crop prospects; good rain needed. Early vegetable harvest increased. Light strawberry harvest began southern areas. Apples, peaches good early growth. Fall sown grains very good. Barley ripened. Hay, haylage making active. Field corn planting well advanced. Soybean planting widespread. Pasture growth increased due to showers, cooler daytime temperatures.

NEW MEXICO: Average weekly temperatures near or slightly above normal. Temperatures 26° northern mountains to 100° southeastern plains. Showers over northern mountains, east. Precipitation none to 1.55 in. northeastern plains.

Days suitable for fieldwork 6.4. Soil moisture 79% short, 21% adequate. Wind damage 50% none, 42% light, 8% moderate. Freeze damage 46% none, 45% light, 9% moderate. Alfalfa 18% fair, 82% good. Corn 11% fair, 89% good. Barley 20% fair, 80% good. Irrigated grain sorghum 29% fair, 71% good. Dryland grain sorghum 100% poor. Pecans 100% good. Apples 25% poor, 25% fair, 50% good. Chile 17% fair, 83% good. Onions 100% good. Lettuce 33% fair, 67% good. Cattle 7% poor, 43% fair, 50% good. Sheep 42% fair, 58% good. Range 36% poor, 50% fair, 14% good.

NEW YORK: Stationary front moved east across State and weak areas of low pressure moved north. Resulted above normal rainfall over most of State. Rain about 2.00 in., up to 6.00 in. some areas. Heaviest rain east. Temperatures above normal 18th and 19th, below normal rest of week.

Days suitable for fieldwork 2.0. Soil moisture adequate to surplus. Rain slowed field activity, helped crop growth. Corn 61% planted, 77% 1985, 57% avg. Oat 91% planted, virtually complete 1985, 70% avg. Oats look good. Rain helped wheat, hay growth. Early strawberry picking Long Island. Some wind damaged onions on muckland replanted to potatoes. Fruit set pears, peaches, sweet cherries, apples good. Fruit thinning slowed by rains.

NORTH CAROLINA: Temperatures averaged 2 to 6° below normal Mountain Region; near normal Piedmont Region; 1 to 3° above normal Coastal Plain Region. Temperature extremes 34°; 90°. Precipitation ranged from 0.42 to 4.59 in. across State.

Days suitable for fieldwork 4.4. Soil moisture 8% very short, 49% short, 39% adequate, 4% surplus. Corn planting virtually complete, mostly fair. Some replanting. Small grains improved slightly with rain. Cotton planting nearing completion. Soybean planting progressed, rains received. Transplanting flue-cured tobacco 92%, 97% 1985, 92%

avg. Transplanting burley tobacco 25%, 38% 1985, 32% avg. Peanuts 89% planted, 99% 1985, 89% avg. Sorghum 48% planted, 56% 1985, 53% avg. Sweetpotatoes 32% planted, 50% 1985, 31% avg. Irish potatoes 75% fair, 25% good. Peaches 9% poor, 59% fair, 23% good, 9% excellent. Truck crops 2% poor, 60% fair, 38% good. Pasture 37% poor, 51% fair, 12% good. Major farm activities: Planting soybeans, sorghum, corn, peanuts, cotton, vegetables; transplanting tobacco, sweetpotatoes; land preparation; cultivating corn, tobacco; sidedressing corn; cutting hay; harvesting strawberries; spraying apples, peaches; cutting small grains for hay; tending livestock; mowing; general maintenance.

NORTH DAKOTA: Temperatures ranged from 2° below normal southeast to 4° above normal northwest. Low 26° north central 18th. High 82° northwest 20th. Precipitation averaged 0.11 in. north central to 1.54 in. south central.

Days suitable for fieldwork 5.3. Topsoil 2% short, 98% adequate; subsoil 97% adequate, 3% surplus. Hard red spring wheat planting 90% complete, 98% 1985, 87% avg.; emerged 57%, 86% 1985, 63% avg.; durum wheat 84% planted, 97% 1985, 83% avg.; emerged 43%, 81% 1985, 53% avg.; barley 92% planted, 100% 1985, 90% avg.; emerged 60%, 94% 1985, 67% avg. Corn 47% planted, 84% 1985, 58% avg.; flax 47% planted, 82% 1985, 49% avg.; sunflower 24% planted, 48% 1985, 34% avg.; soybeans 39% planted, 73% 1985, 63% avg.; potatoes 78% planted, 89% 1985, 75% avg.; sugarbeets 91% planted, 100% 1985, 98% avg.; dry beans 33% planted, 66% 1985, 45% avg. Excellent planting weather. Small grain seeding progress now exceeds average with planting of some row crops getting closer to normal. Small grains, pastures mostly good. Widespread showers week end. Moisture supplies continued better than normal.

OHIO: Average highs 60s; lows mid 40s. Most readings subnormal. Precipitation 0.25 in. or less; well below normal.

Days suitable for fieldwork 2.4. Soil moisture 16% short, 52% adequate, 32% surplus. Needed rain promoted crop, weed growth; earlier dry soils did not activate herbicides. Corn 80% emerged; stands uniform; good condition. Insects active; not at economic threshold. Soybeans 35% emerged; good. Winter wheat good; rain good stage of development. First cutting hay short from earlier dry weather. Now rain delayed cutting, curing. Hay fair to good. Pastures fair. Processing tomato 75% planted. Tobacco 15% transplanted. Strawberry picking started.

OKLAHOMA: Temperatures averaged normal southwest to 4° below normal west central, eastern third. Precipitation averaged 0.28 in. north central to 2.78 in. southeast.

Days suitable for fieldwork 4.6. Topsoil moisture 20% short, 50% adequate, 30% surplus. Subsoil moisture 15% short, 85% adequate. Wheat 45% good, 45% fair, 10% poor. Wheat 100% headed, 100% 1985, 98% avg.; 95% soft dough, 55% 1985, 40% avg.; 5% harvested, none 1985, none avg. Early reports indicate moisture not problem, test weights near normal. Northern counties may begin cutting this week. Sorghum 25% planted, 35% 1985, 25% avg.; 10% emerged, 15% 1985, 10% avg. Rain needed major producing Panhandle. Cotton 35% planted, 45% 1985, 20% avg.; 15% emerged, 25% 1985, 5% avg. Some replanting occurred. Pastures, livestock mostly good. Cattle marketings up, prices down from preceding week.

OREGON: Week began warm, dry; turned damp, cool midweek; warm, dry end of period. Maximum temperatures generally 70s to 80s beginning, end of week; 40s to 50s midweek. Freezing east of

mountains midweek. Average temperatures slightly below normal Columbia Basin, south central areas; near normal other areas. Precipitation ranged from 0.50 to 1.25 in. along coast, 0.25 to 0.75 in. western areas; 0.50 to 1.50 in. northeast. Generally 0.10 in. or less other eastern areas; extreme east no precipitation.

Soil moisture 24% short, 71% adequate, 5% surplus. Water supplies below normal to near normal; snowpack much below average, reservoir storage excellent. Barley 99% seeded, 99% 1985. First alfalfa cutting Willamette Valley, Columbia Basin; some rain delays. Red clover, grains cut for hay, silage west region. Malheur County mint 6 in. high, good condition. Grass seed quality varies poor to good; rust western fields; frost injury central areas. Field crop development still behind due to cold spring. Apple thinning sprays Hood River; also scab, mildew sprays on many orchards. Cover sprays Hermiston apple orchards. Bing cherries good, Royal Annes fair The Dalles. First strawberries turning red western areas. Insect, fruit rot sprays on caneberries. Hybrid cranberry varieties good bloom southern coast; cool weather hindered pollination. Green peas blooming Milton-Freewater. Canning vegetables being planted western areas. Broccoli, onions emerged, doing fine. Thrips showing onions Milton-Freewater. Malheur County onions average. Sweet corn planting continued west; 55% planted Malheur. Potatoes closed rows Hermiston; planting nearly complete central region; planting proceeding very well Klamath Basin; 50% emerged Malheur County. Asparagus harvest winding down Hermiston. Livestock mostly good. Range, pasture good to excellent west of Cascades, fair to good east. Seasonal movement of cattle well underway. Most lambs contracted.

PENNSYLVANIA: Above normal temperatures across State. Heavy rainfall west, moderate east. Average temperature 62°, 3° above normal. Temperature extremes 37°; 93°. Average precipitation 1.66 in., 0.84 above normal.

Days suitable for fieldwork 3.1. Soil moisture 22% short, 63% adequate, 15% surplus. Plowing 95% complete, 97% 1985, 88% avg. Corn 81% planted, 86% 1985, 65% avg. Potatoes 89% planted, 96% 1985, 82% avg. Soybeans 36% planted, 45% 1985, 29% avg. Hay stands mostly fair to good. Feed from pastures mostly below average to average. Barley 6% pre-boot, 31% boot; 63% headed. Wheat 20% pre-boot, 42% boot; 38% headed. Wheat 6% poor, 23% fair, 54% good, 17% excellent. Oats 2% poor, 31% fair, 46% good, 21% excellent. Activities: Planting soybeans, corn, potatoes; spreading fertilizer, lime; harvesting hay, haylage.

PUERTO RICO: Island average rainfall 0.76 in., 0.76 in. below normal. Highest weekly total 5.90 in. Highest 24-hour total 3.00 in. Temperature average about 79 to 80° on coasts, 74 to 77° interior divisions. Mean station temperature ranged from 68 to 81°. Extremes 62°; 92°. Total rainfall 0.79 in., minus 0.54 in.

SOUTH CAROLINA: Temperatures averaged near normal. Below normal early week, warmer than usual over weekend, thunderstorms, scattered showers developed late period.

Days available for fieldwork 5.3. Soil moisture 45% very short, 41% short, 14% adequate. Cotton 34% very poor, 4% poor, 62% fair; 95% planted, 100% 1985, 98% avg. Tobacco fair to good; 100% planted. Corn fair; 100% planted. Peanuts poor to fair; 70% planted, 86% 1985, 91% avg. Soybeans fair; 23% planted, 26% 1985, 30% avg. Peaches fair; harvest continued. Pastures poor to fair. Wheat, rye poor to fair. Barley, oats poor.

SOUTH DAKOTA: Average temperatures 3° above to 8° below normal. Extremes 28°; 83°. Rainfall 1.00 in. or more central and east, 0.33 or less west.

Days suitable for fieldwork 4.8. Topsoil moisture mostly adequate, some surplus east; 3% short, 69% adequate, 28% surplus. Spring row crop planting 1 week behind normal due to cool, wet conditions. Livestock good. Calving 93%, lambing 91% complete. Range, pastures good.

TENNESSEE: Temperatures mild. Extremes 41°; 89°. Variable rainfall over State. Some heavy amounts over 4.00 in. Soil moisture supplies greatly improved.

Days suitable for fieldwork 4.3. Soil moisture 27% very short, 40% short, 30% adequate, 3% surplus. Corn 91% planted, 92% 1985, 80% avg.; 4% very poor, 12% poor, 56% fair, 25% good, 3% excellent. Progress slowed due to dry soil conditions. Cotton 93% planted, 91% 1985, 85% avg.; 1% very poor, 7% poor, 33% fair, 56% good, 3% excellent. Sorghum 70% planted, 55% 1985; 2% very poor, 2% poor, 44% fair, 50% good, 2% excellent. Soybeans 30% planted, 25% 1985, 20% avg.; 1% very poor, 7% poor, 47% fair, 43% good, 2% excellent. Tobacco 30% transplanted, 65% 1985, 40% avg.; 4% very poor, 30% poor, 47% fair, 17% good, 2% excellent. Wheat 60% turning color, 50% 1985; 6% ripe, 4% 1985, 2% avg.; 9% very poor, 34% poor, 46% fair, 11% good. Hay 76% poor to very poor. Cattle fair to good. Pastures poor to fair.

TEXAS: Week began fair, cool as large surface ridge high pressure covered State. Record lows set several west central, south central stations. By midweek west hot, southwest winds. End week cool front pushed into Panhandle, north triggering widely scattered to scattered thunderstorms. Front moved south weekend triggering thunderstorms most sections, except western Trans-Pecos, far south. Rainfall below normal except slightly above normal totals Southern High Plains. Temperatures close to normal, except above normal High Plains, below normal Lower Valley.

Crops: Small grain progress High Plains slowed by cooler temperatures last week; harvesting dryland fields beginning. Harvesting continued fields dried Low Plains, Cross-Timbers. High winds, hail some loss these areas. Yields better than expected. Some harvesting occurring drier areas Blacklands, central. Most corn fields Plains good start under moderate irrigation. Early stands look good. Blackland fields improving from additional rains. Early fields tasseling. Early fields east tasseling. Late fields slow because excessive moisture. Fields central tasseling, early south central enter dough stage. Some lodging Upper Coast because high winds. Fields Coastal Bend, Valley enter dough stage. Rains helped all areas. Grain sorghum planting increasing Plains, Cross-Timbers. Planted fields benefiting from rain. Blackland fields also improving, beginning to head. Planting increasing Hill Country. Many fields heading central, east, south. Fields beginning turn color Coastal Bend, Rio Grande Valley. Cotton planting increasing Plains, Cross-Timbers. Hail damage may require some replanting. Thrips damaging some stands. Fields squaring Blacklands, central. Many fields setting bolls Coastal Bend, Rio Grande Valley. Producers along Upper Coast reported some hail damage. Rice fields emerging, flooding continued some fields. Fertilization also continued. Most fields need additional warmer temperatures, sunshine. Peanut planting increasing Plains, Cross-Timbers. Some areas remained too wet to begin planting. Early stands look good.

Other Field Crops: Peanuts 30% planted, 29% 1985, 25% avg. Soybeans 41% planted, 24% 1985, 20% avg. Sunflowers 32% planted, 20% 1985, 31% avg. Oats 12% harvested, 8% 1985, 16% avg.

Commercial Vegetables: Rio Grande Valley, melon harvesting peaking. Low prices slowing onion harvest. Many growers finished harvest for season. Harvest continued peppers, cucumbers. Some cabbage remains. San Antonio-Winter Garden hail, severe weather some damage cantaloups. Onion harvest slow wet ground, low prices. Cabbage, squash, greens being harvested. East producers continued set out sweetpotatoes. Blight damaged some tomato fields. Onions, potatoes, beets being harvested. High Plains onions, potatoes good progress under moderate irrigation. Planting other vegetables continued. Trans-Pecos cabbage harvest continued. Cantaloups blooming. Onions nearing harvest. Early peach varieties being picked. Quality good, quantity short. Pecan groves being sprayed most areas for casebearers. Nut set good many areas.

Range and Livestock: Ranges, pastures increased greening, growth east, other areas of rainfall. Some hay cutting continued conditions allow. Most Trans-Pecos remains dry. Livestock good feeding active dry areas. Shearing winding down Hill Country.

UTAH: Temperatures 10 above normal to 20 below. Precipitation none to moderate across State.

Days suitable for fieldwork 6.0. Topsoil moisture 22% short, 78% adequate. Corn 66% planted, potatoes 71%. Oats 74% emerged, corn 18%. Winter wheat 15 in. high; 41% jointed; heading south. Alfalfa 13 in. high, 1st cutting 10% complete central, north; 2nd cutting 20% complete, southwest. Apple crop fair to good, apricots ripening southwest. Range, pasture good to excellent. Livestock good.

VIRGINIA: Much needed rains continued. Range 1.00 to 2.00 in. with higher amounts southwest. Temperatures averaged 2 to 5° above normal, ranged from mid 30s to upper 80s.

Days suitable for fieldwork 3.0. Soil moisture 21% short, 73% adequate, 6% surplus. Needed rains slowed fieldwork. Corn planting 88% complete, 92% 1985, 90% avg. Condition improved to good. Soybean planting 30% complete, 35% 1985, 35% avg. Peanut planting mostly complete. Flue-cured tobacco transplanting 64% complete, 82% 1985, 78% avg. Fire-cured tobacco transplanting 54% complete, 48% 1985, 48% avg. Sun-cured tobacco transplanting 50% complete, 36% 1985, 45% avg. Burley tobacco transplanting 20% complete, 34% 1985, 36% avg. Burley seedlings short supply. Plantbed germination poor. Apples good to excellent. Some insect spraying. Wheat fair but heading improved

with rain. Rain too late for barley. Some small grain cut for silage. Alfalfa poor to fair. Other hay mostly poor, rain should improve. Pasture poor, new moisture should improve. Colorado potato beetle reported potatoes eastern shore. Spraying cicadas west, southwest.

WASHINGTON: Cool temperatures continued, averaged none to 5° below normal. Average precipitation above normal west, extreme east.

Days suitable for fieldwork 5.6. Soil moisture 15% short, 85% adequate. Wheat, barley mostly fair to good. Asparagus harvest, 1st cutting alfalfa continued. Hay supplies 30% short, 70% adequate. Range, pasture 100% adequate.

WEST VIRGINIA: Temperatures 3 to 6° below normal, except northeast near normal. Temperature extremes 33° Greenbank; 85° Williamson. Precipitation above normal. Average precipitation 1.11 in.

Days suitable for fieldwork 2.4. Soil moisture 15% short, 73% adequate, 12% surplus. Feed supplies 18% short, 70% adequate, 12% surplus.

WISCONSIN: Temperatures averaged 53°, 7° below normal; low 24°, high 77°. Rainfall range trace to 0.24 in.

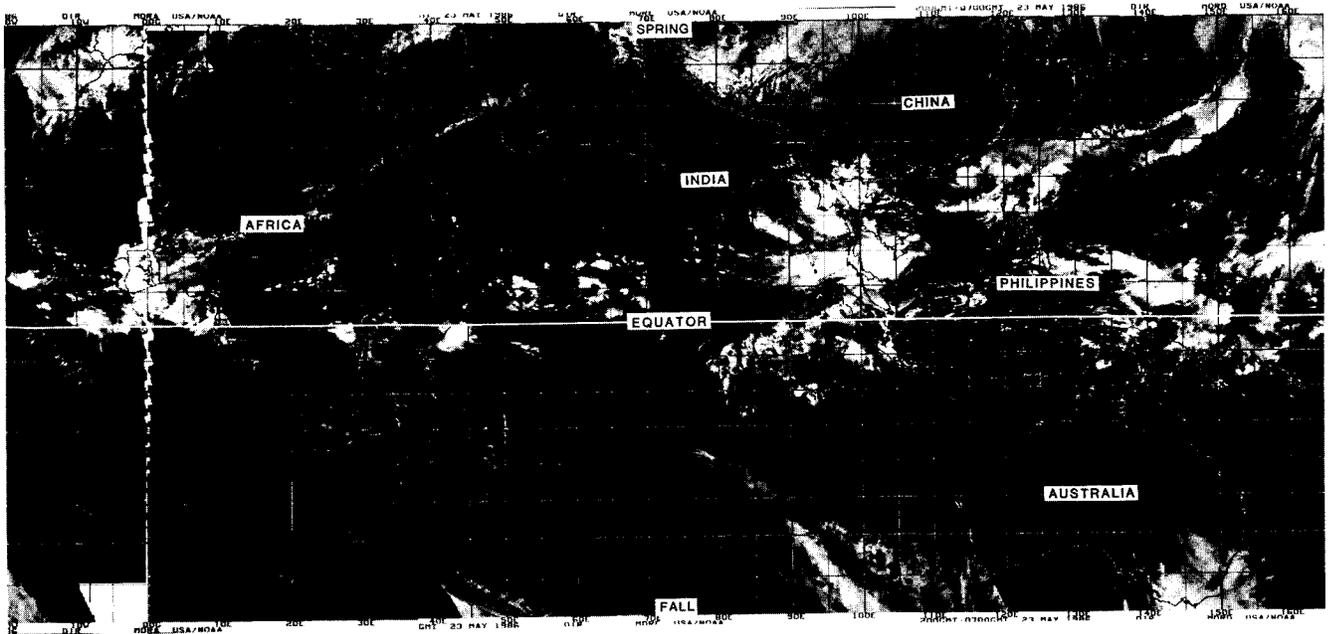
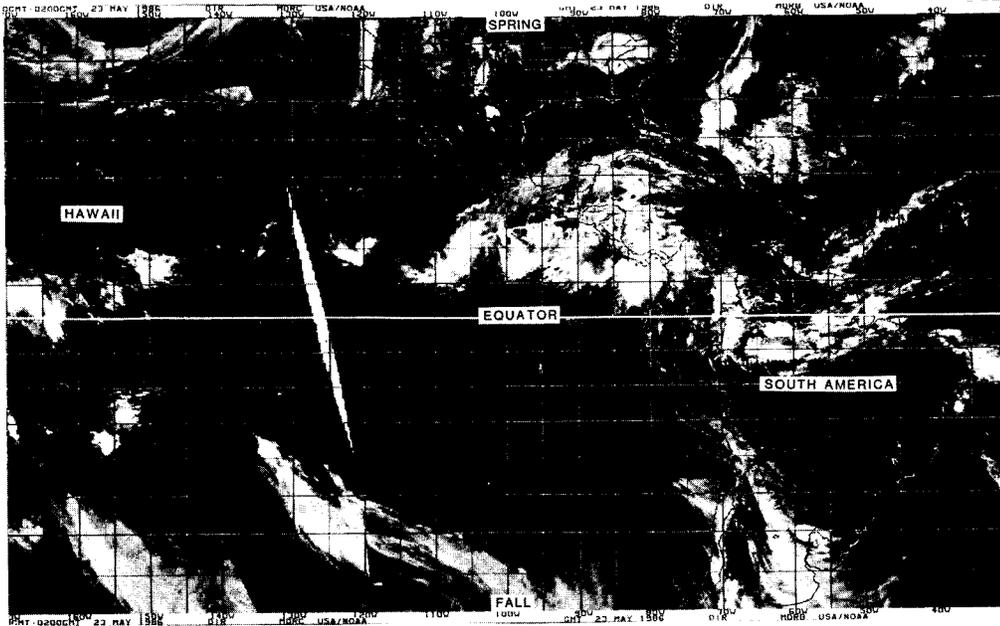
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WYOMING: Temperatures about 1° above normal. Precipitation below normal.

Days suitable for fieldwork 6.0. Topsoil moisture 36% short, 60% adequate, 4% surplus. Subsoil moisture 27% short, 69% adequate, 4% surplus. Spring wheat planted 95%, 100% 1985, 85% avg.; emerged 80%, 85% 1985, 65% avg. Oats planted 90%, 90% 1985, 80% avg.; emerged 60%, 75% 1985, 55% avg. Barley planted 95%, 95% 1985, 90% avg.; emerged 75%, 85% 1985, 70% avg. Sugarbeets emerged 80%, 90% 1985, 75% avg. Corn planted 70%, 90% 1985, 70% avg.; emerged 15%, 60% 1985, 30% avg. Potatoes planted 55%, 95% 1985, 45% avg.; emerged 10%, 60% 1985. Dry beans planted 5%, 25% 1985, 15% avg. Winter wheat 35% fair, 65% good. Livestock mostly good. Calf, lamb losses light to normal. Ranges, pastures mostly good.

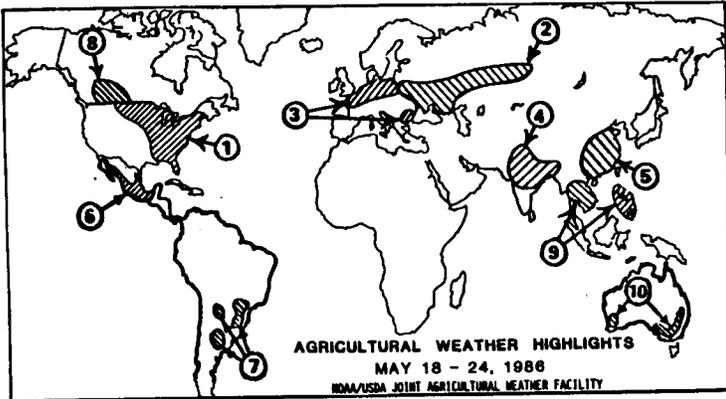
GLOBAL WEATHER SATELLITE IMAGE

MAY 23, 1986



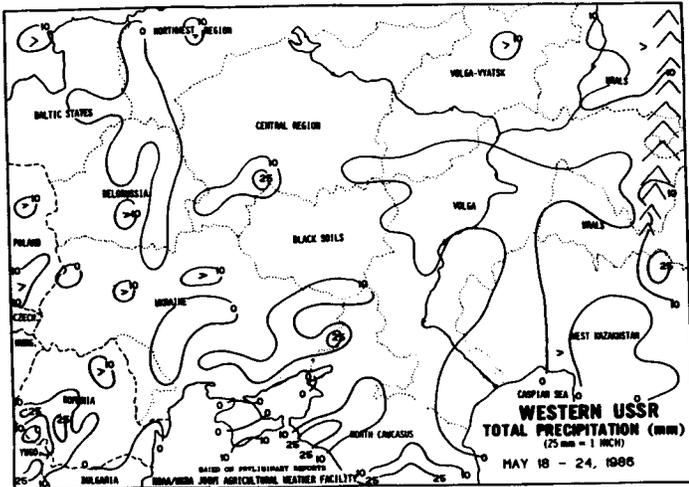
International Weather and Crop Summary

May 18 - 24, 1986



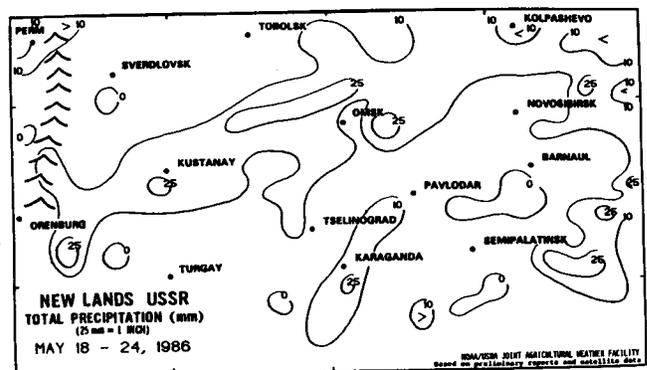
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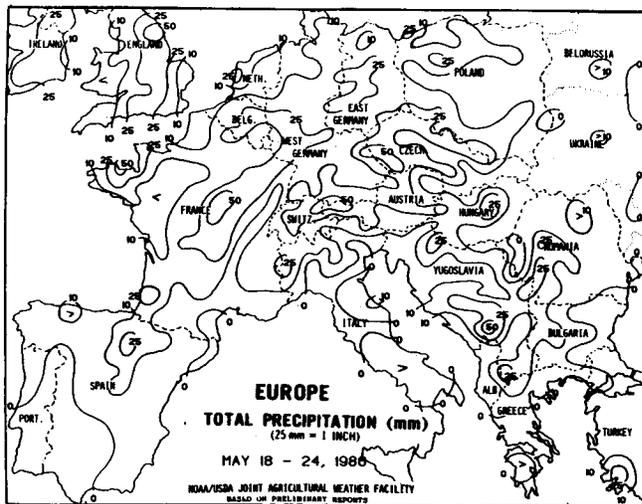
1. **UNITED STATES** ... Precipitation lessens dry conditions in the Southeast, but more moisture is needed. Rain across the eastern half of the Nation improves crop conditions and promotes growth.
2. **U.S.S.R.** ... In Western U.S.S.R., a drying trend across major southern winter wheat producing areas is prompting concern because the crop is in the highly moisture sensitive heading stage. In the New Lands, favorable weather conditions continue for spring grain planting.
3. **EUROPE** ... Showers continue over northern crop areas. In southeastern Romania and northern Bulgaria, persistent dryness is stressing winter grains in the heading stage.
4. **SOUTH ASIA** ... Autumn rice planting awaits monsoon rainfall in June.
5. **EASTERN ASIA** ... Rice crops are progressing with adequate moisture in most areas. Moderate showers benefit winter wheat and summer crops in much of the North China Plain.
6. **MEXICO** ... Showers favor corn planting in the east while dryness hampers planting in the western corn belt.
7. **SOUTH AMERICA** ... Early-week showers in south-central Brazil likely cause some delays in crop harvesting. In Argentina, dry weather in most areas aids harvesting.
8. **CANADA** ... Drier, warmer weather benefits spring grain planting in the east while showers favor emergence in the west.
9. **SOUTHEAST ASIA** ... Moderate to heavy rain supplies moisture for rice and corn planting in most of the region.
10. **AUSTRALIA** ... Favorable moisture exists for southeastern wheat, but the northeast is becoming dry.



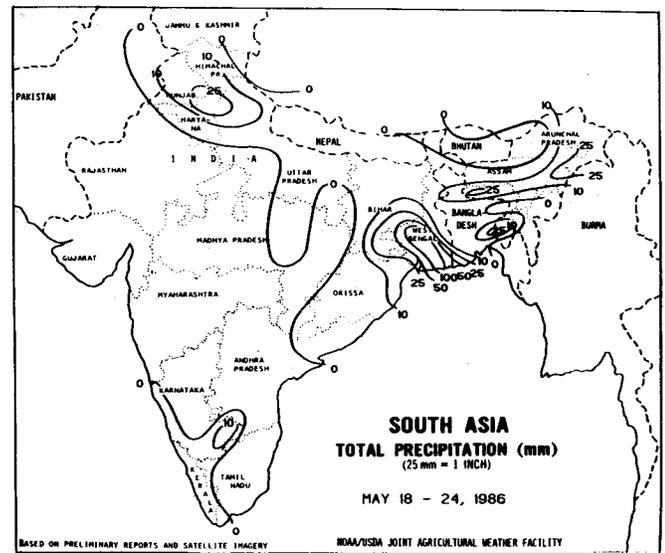
U.S.S.R. ... Most crop areas in Western U.S.S.R. Received below-normal precipitation. Since March, a drying trend has developed over major winter wheat areas of the Ukraine, Moldavia, the North Caucasus, and lower Volga. The dryness is stressing winter wheat, which is likely in the highly moisture sensitive heading stage. Light, scattered showers in parts of the eastern Ukraine helped to minimize crop stress, but timely rain is needed in all areas to prevent possible declines in the yield potential. Spring grains across the south are likely in the jointing stage. Temperatures were above normal, increasing crop moisture requirements.

In the New Lands, light rain (10 to 25mm) fell in a narrow band, which stretched northeastward from crop areas just east of Orenburg through Kustanay and Omsk. The rain in these areas increased topsoil moisture for spring grain planting. Elsewhere, nearly all southern and southeastern spring grain areas experienced mostly dry weather, which allowed crop planting to progress with minimal delays. In South Central U.S.S.R. cotton areas, most of the crop is irrigated. Dry weather aided final planting efforts and warm weather favored emergence.

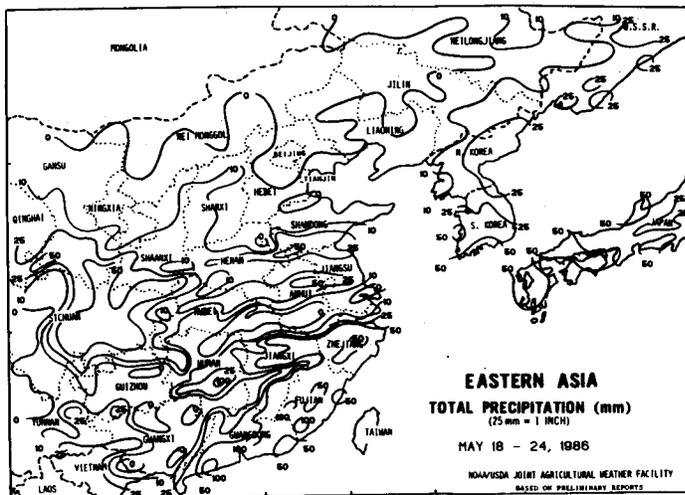




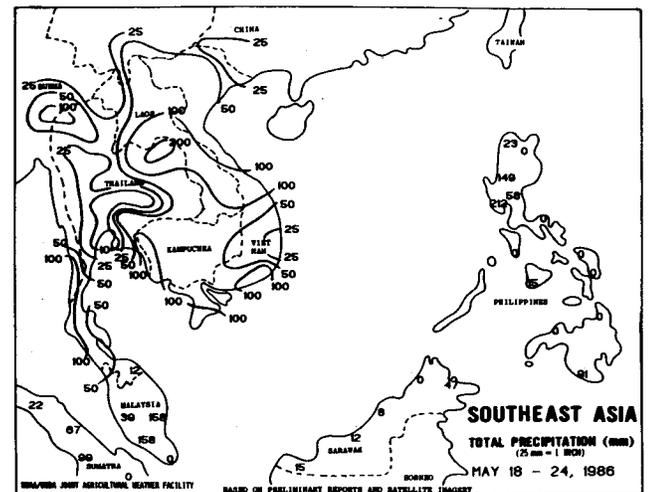
EUROPE ... Showers covered the northern half of the region. The most rainfall (25 to 40mm) fell over crop areas in central England, Belgium, central West Germany, East Germany, and Czechoslovakia. Corn areas in southwestern France received light rain early in the week, which may have slowed planting. However, dry weather by week's end allowed corn planting to resume. In Spain, dry weather favored winter grain maturation in the south but likely stressed winter grains in the reproductive stage in the north. In southeastern Europe, above-normal temperatures accompanied persistent dryness in southwestern Romania and northern Bulgaria, which stressed winter grains in the heading stage. Rain is needed to alleviate crop stress.



SOUTH ASIA ... Most rainfall concentrated in the east. Heavy rain (50 to 140mm) fell in West Bengal, possibly causing some flooding. Little or no rain fell in most of the autumn rice region. Monsoon rains normally begin in early June in southern India, progressing to northern India by early July. Light to moderate rain (10 to 35mm) fell in northern India, but wheat harvesting should be completed in all but extreme northern areas.



EASTERN ASIA ... Variable rain fell in southern China. Moderate to heavy rain (50 to 100mm) benefited early rice nearing the grain filling stage and late single crop rice planting. Moderate rain and cooler temperatures favored the North China Plain. Winter wheat in the grain filling stage and early growth of summer crops benefited from 20 to 50mm of rain in Henan, Anhui, Jiangsu, and southern Shandong. Light rain (less than 10mm) fell in Hebei and northern Shandong where moisture is still limited. Little or no rain fell in the northeast following last week's beneficial rain in Heilongjiang. Topsoils are becoming dry in Liaoning and Jilin.



SOUTHEAST ASIA ... Monsoon rain covered most of Indochina. Heavy rain (50 to over 100mm) fell in Laos, Vietnam, and Kampuchea supplying moisture for rice planting. Moderate rain covered most of eastern and southern Thailand. Rice and corn planting should be well under way in most areas. Light showers fell in south-central Thailand, but moisture is adequate. Moderate to heavy rain (25 to over 100mm) supplied needed moisture for rice planting in central Luzon, Philippines. Mostly scattered, light showers fell in the central and southern islands.

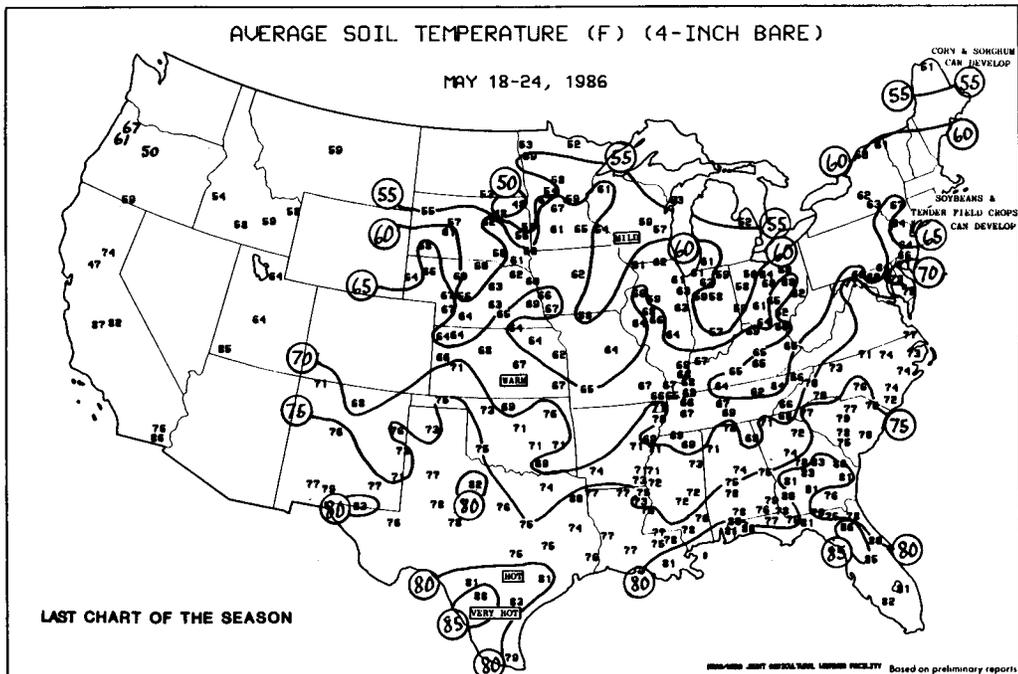
The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Chronicle. It is issued under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

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 ISSN 0043 1974