WEEKLY WEATHER AND CROP BULLETIN

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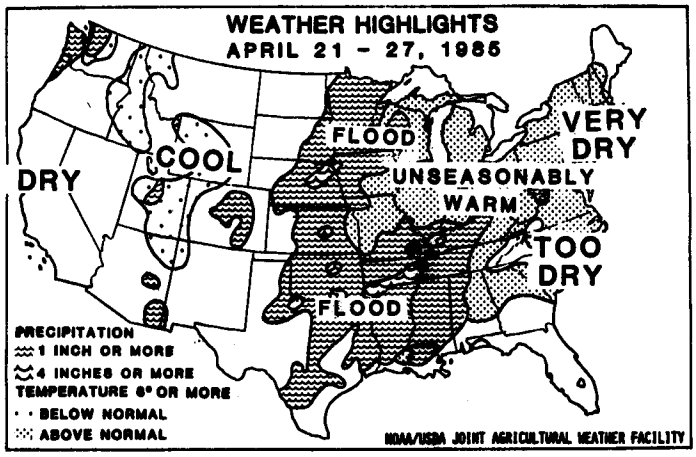
National Weather Summary

April 21 to 27, 1985



HIGHLIGHTS: Showers and thunderstorms were widespread from Arizona to northern Georgia, along the eastern slopes of the middle and southern Appalachians, through the Mississippi Valley into Canada, and into the lower Ohio Valley. Severe weather damaged property damage from eastern Texas and the lower Mississippi Valley through the upper Mississippi Valley into Canada. Cold rain, with snow at higher elevations, fell over most of the Plateau and Rockies. High winds blew through much of the Southwest, causing dust storms and damaging some fields. Temperatures were cold in the West and warm in the East. Record-warm temperatures in the East were as much as 12 to 15 degrees above normal from the eastern Great Lakes to Virginia.

SUNDAY...Thunderstorms rumbled from eastern Texas to the upper Mississippi Valley. Violent thunderstorms accompanied heavy rain, high wind, hail, and some tornadoes in north central Texas and Oklahoma, and from eastern Nebraska to the upper Mississippi Valley and into Canada. Showers were widespread in the West Coast States, the Plateau, and the Rockies, with snow at many high locations. Abnormally warm weather continued from Texas to the Great Lakes and to the east coast.

MONDAY...Severe thunderstorms wreaked havoc from eastern Nebraska through Minnesota and into Canada. The area of severe storms further south moved a little eastward, and the heaviest activity reached from northeastern Texas through Arkansas to southeastern Missouri and western Tennessee. The coldest air stayed in the western mountains but somewhat cooler air pushed further south through the Plains. Rain- or snowshowers continued in the northern and central Rockies. Abnormally warm air still covered most of the East.

TUESDAY...Thunderstorms continued along and ahead of a cold front from the upper Mississippi Valley to the Mississippi Delta. Severe storms damaged property from southern Louisiana and Mississippi to Illinois, and in Minnesota and Wisconsin. Hot weather covered most of the East, with the warmest area reaching from the mid-Atlantic States to lower Michigan.

WEDNESDAY...The large areas of severe weather diminished. Showers and occasional thunderstorms reached from the lower Mississippi Delta to northern Georgia and Virginia. Showers fell in the upper Ohio Valley, the Great Lakes region, and in the Pacific Northwest. Gusty wind and a few thunderstorms pushed into the central Plains, and strong winds began to blow across California.

THURSDAY...After a brief respite, showers and thunderstorms again developed over southeastern Texas and from western Texas to Nebraska and into Iowa. Cold rain and snow at higher elevations covered the northern and central Rockies and spread into the Plains. Strong wind continued over much of the Southwest.

FRIDAY...Showers and thunderstorms were over the central and southern Plains, the Midwest, and the lower Mississippi Valley. Severe weather reached from Oklahoma to southeastern Nebraska and through central Mississippi to southern Illinois. Cold rain or snow fell in the Southwest, the central Rockies, and the western portion of the central Plains.

SATURDAY...Widespread showers and thunderstorms reached from central Arizona to northern Georgia, through the middle and lower Mississippi Valley, and into the Ohio and Tennessee Valleys. Severe weather reached from northeastern Texas to central Kentucky. Gusty wind blew from the eastern slopes of the Rockies into the High Plains.

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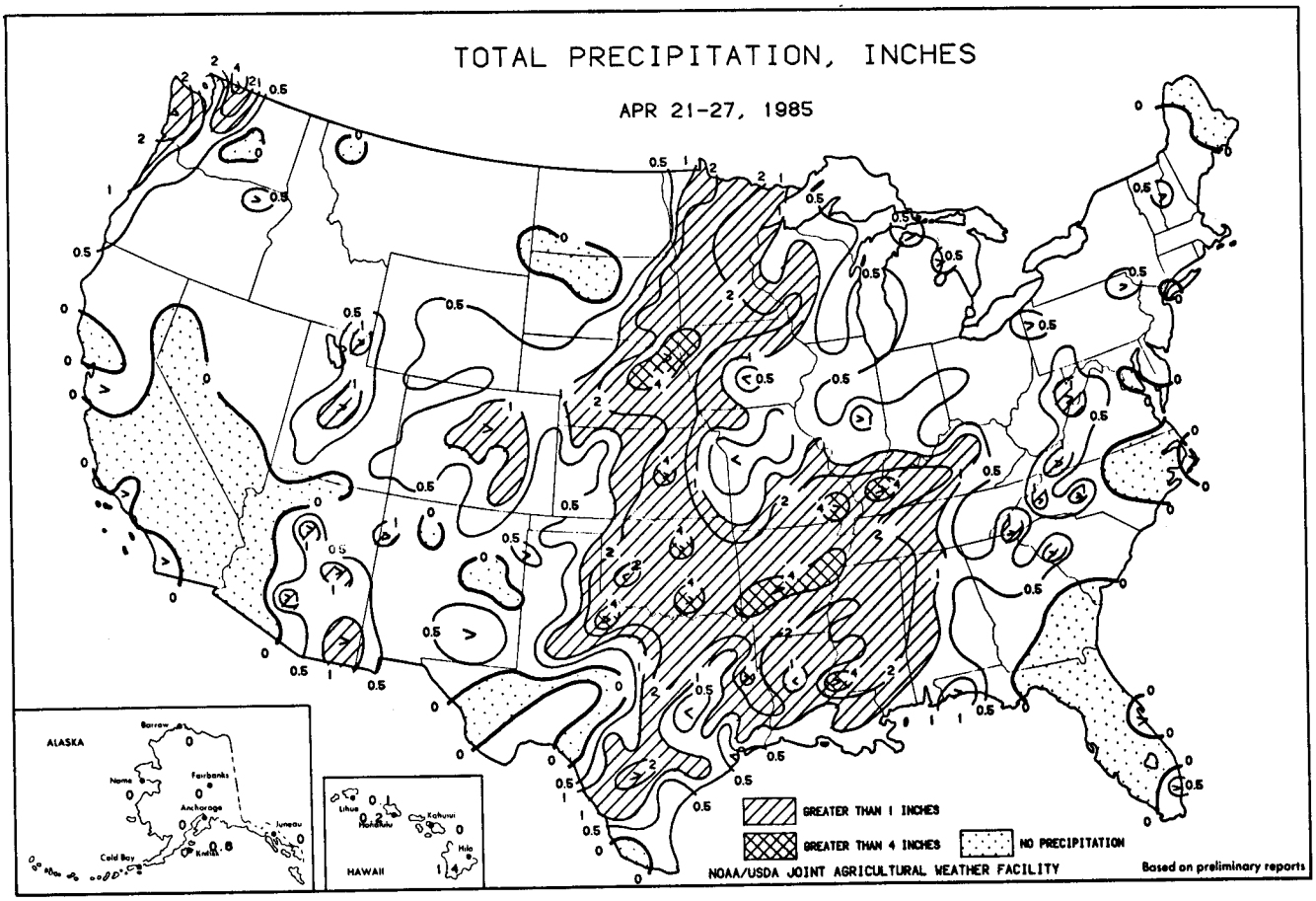
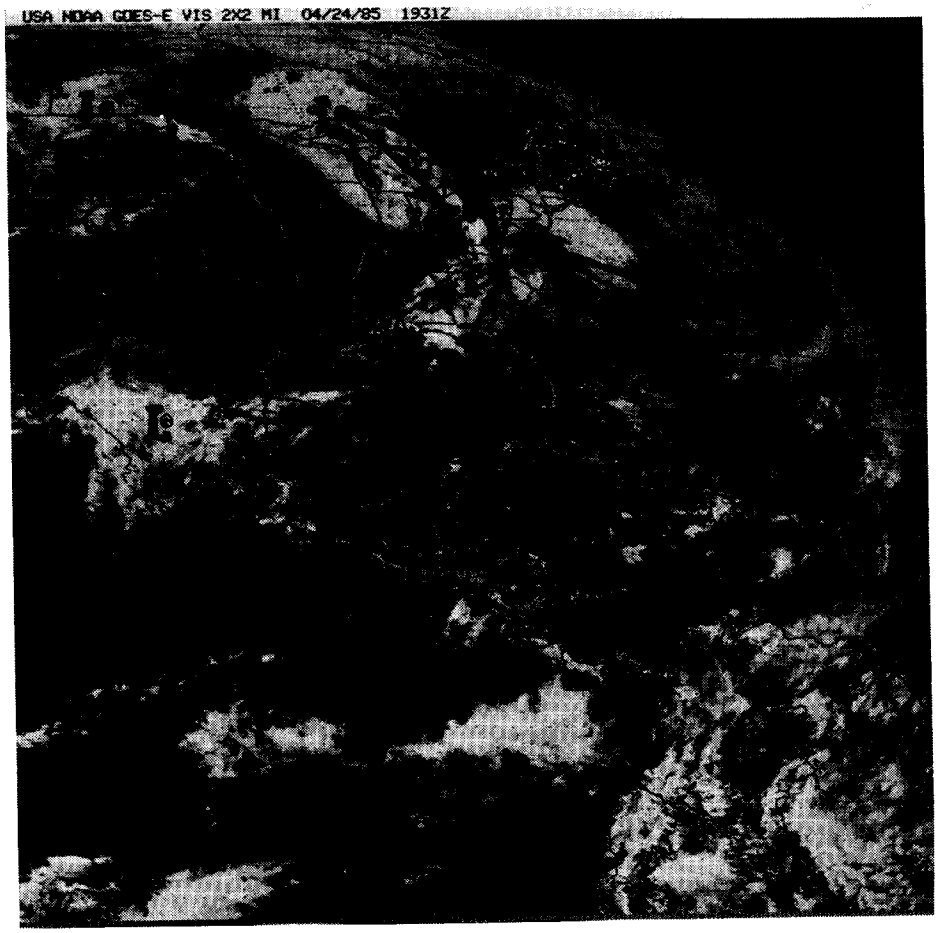




A COLD FRONT REACHES FROM THE UPPER GREAT LAKES THROUGH OHIO AND TO SOUTHERN LOUISIANA. THE WARM FRONT, JUST AHEAD OF THE COLD FRONT, HAS BEEN STALLED BY THE MOUNTAINS. VERY WARM AIR COVERS THE AREA BETWEEN AND SOUTH OF THE FRONTS; COOL AIR IS TO THE NORTH OF THE WARM FRONT; THE COLDEST AIR IS TO THE WEST OF THE COLD FRONT.

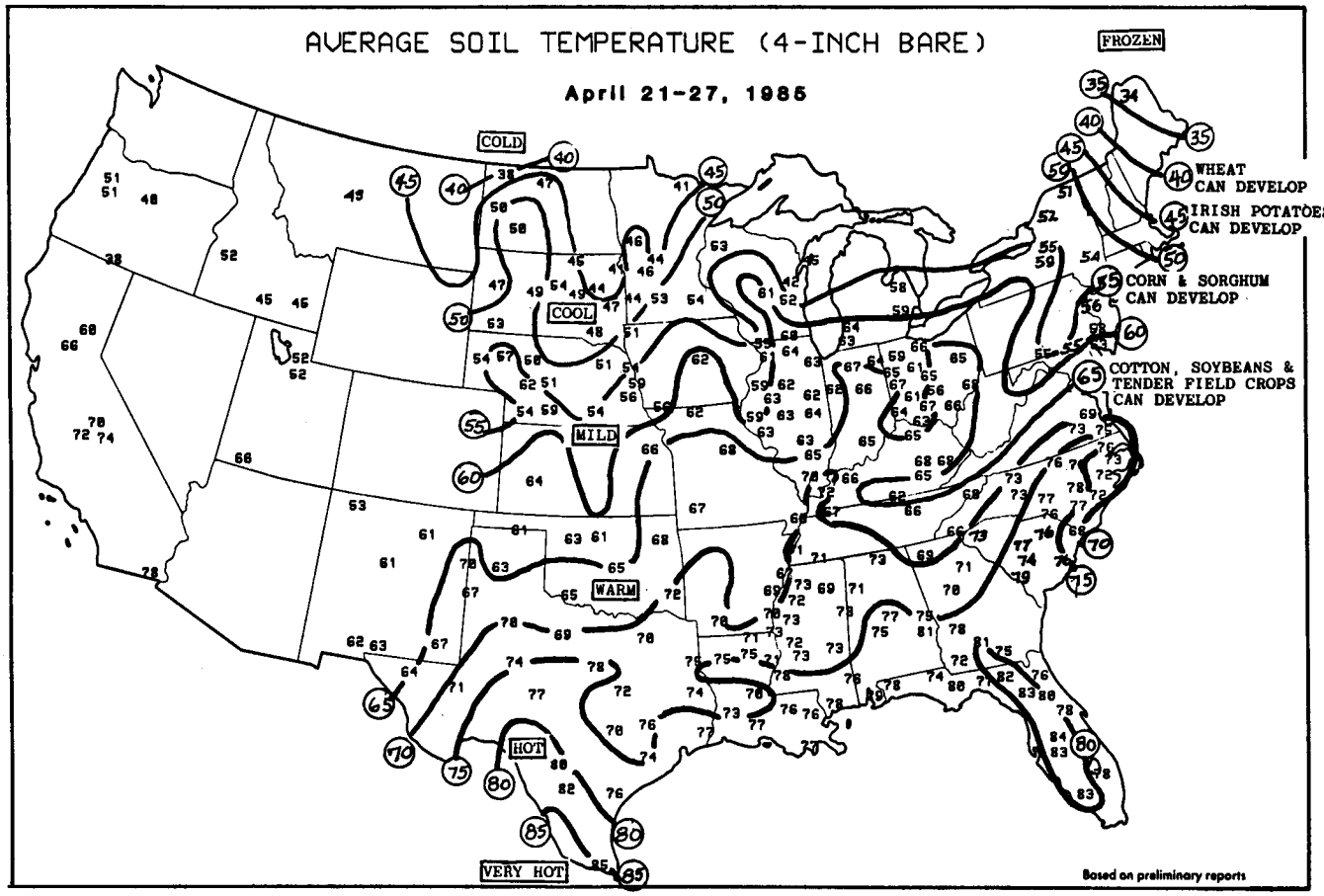
SHOWERS AND THUNDERSTORMS ARE WIDESPREAD IN THE WARM AIR AHEAD OF THE COLD FRONT AND A FEW LIGHT SHOWERS FALL NORTH OF THE WARM FRONT.

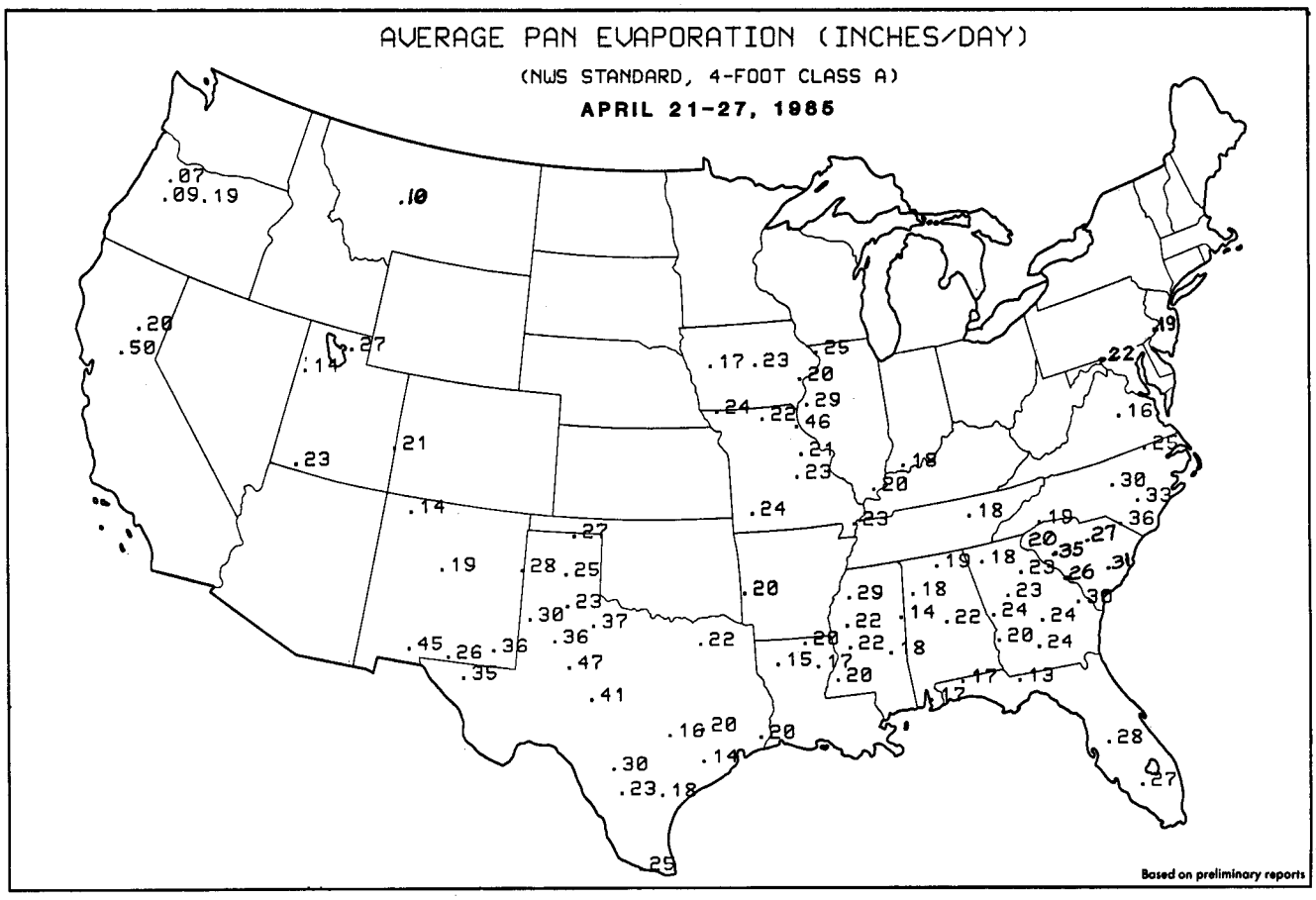
INTERMITTANT RAINSHOWERS OR LIGHT RAIN FALLS AROUND A LOW-PRESSURE CENTER ON THE CANADA-MONTANA BORDER.

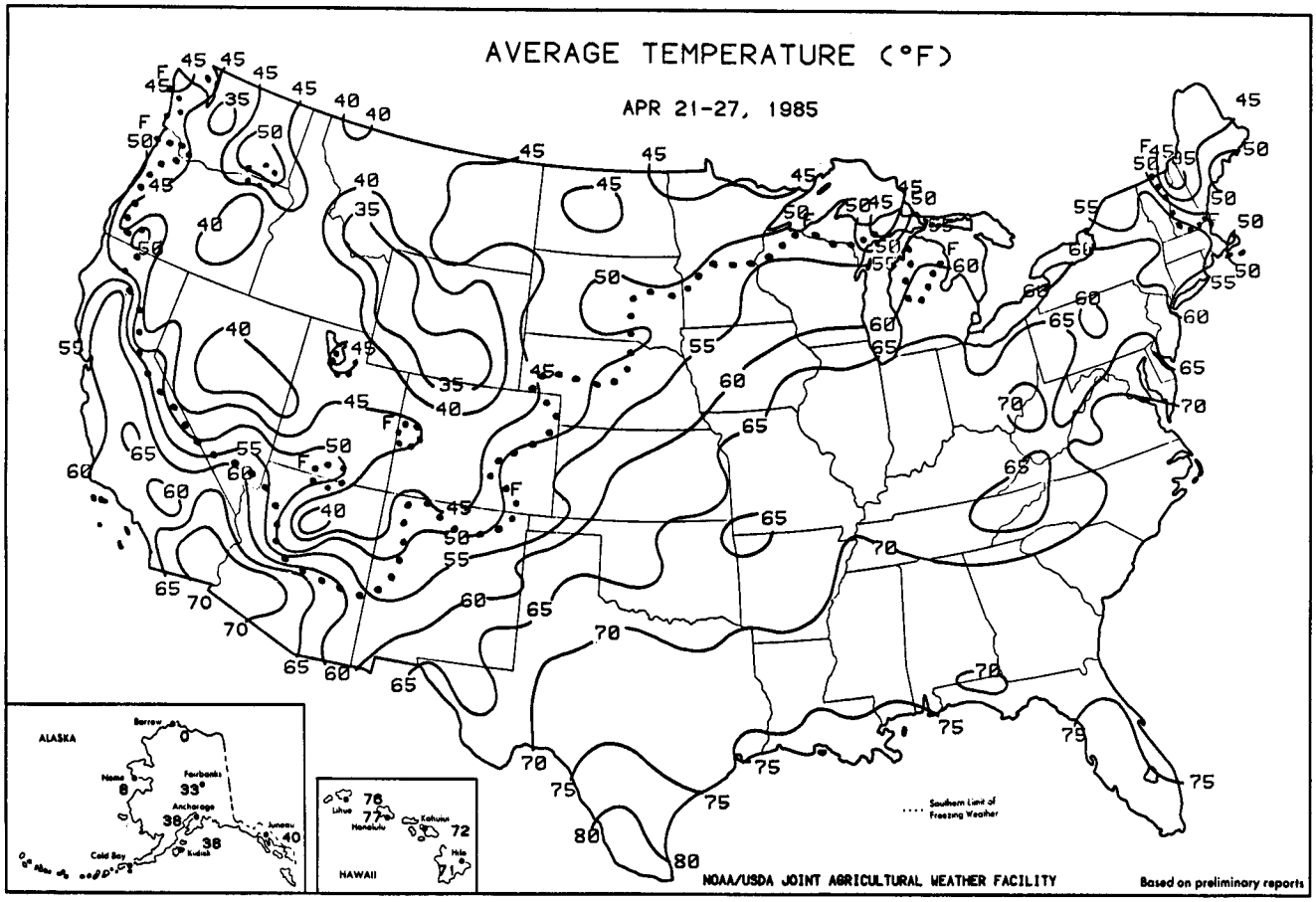
COLD RAIN FALLS IN THE CENTRAL ROCKIES AND A FEW THUNDERSTORMS WERE REPORTED IN MEXICO.

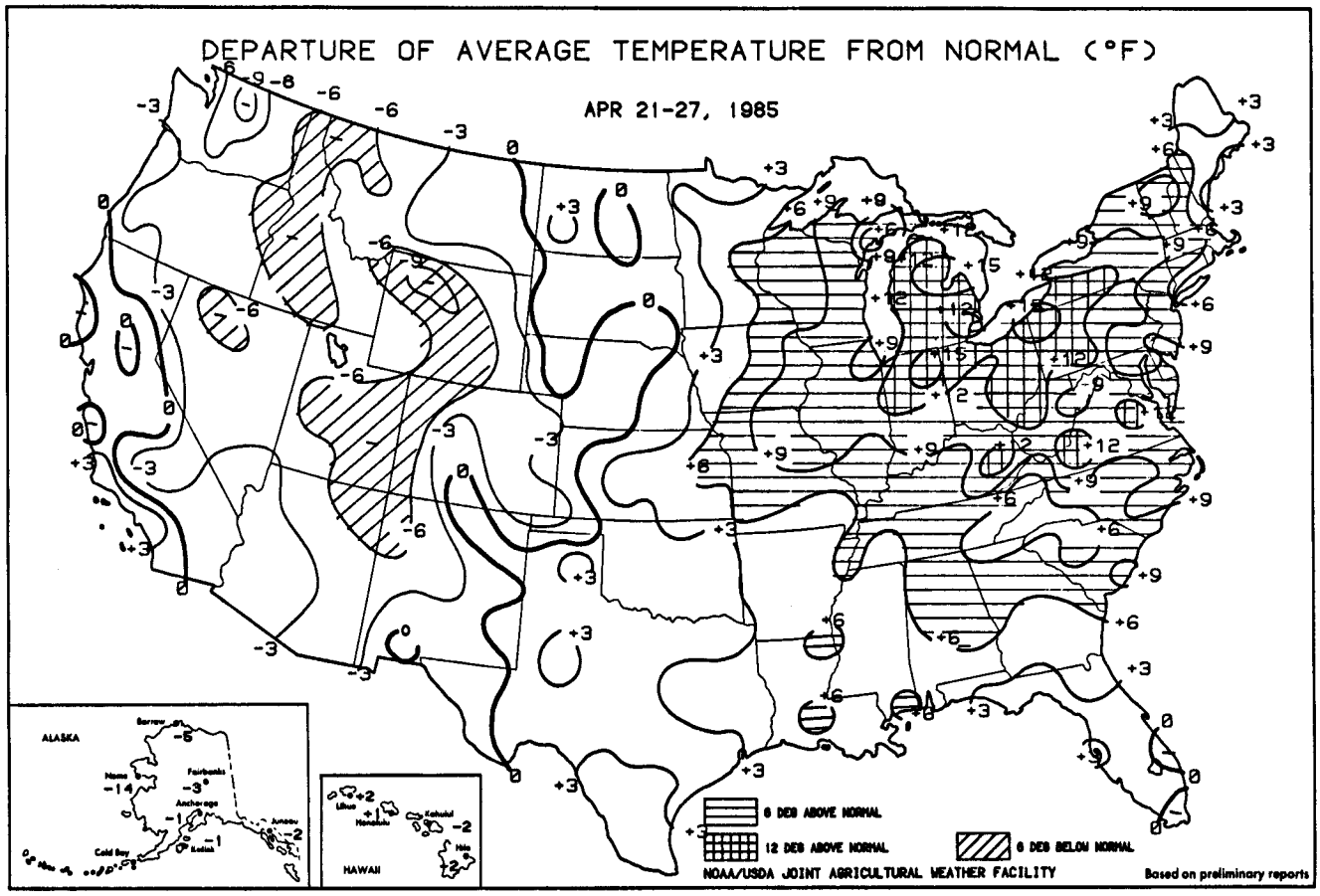
LEGEND:

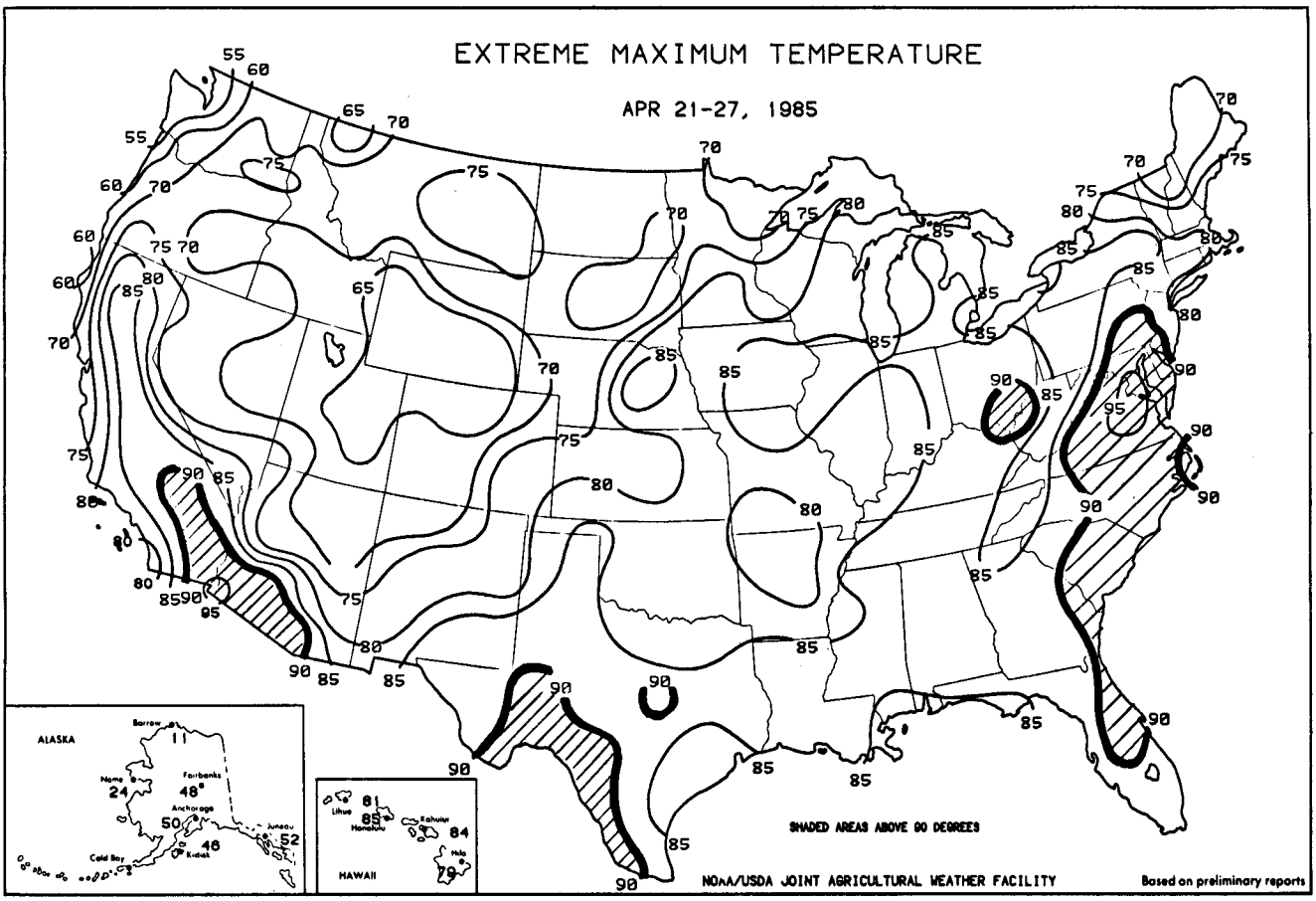
- SNOW
- RAIN
- RAINSHOWERS
- THUNDERSHOWERS
- PRECIPITATION AREAS

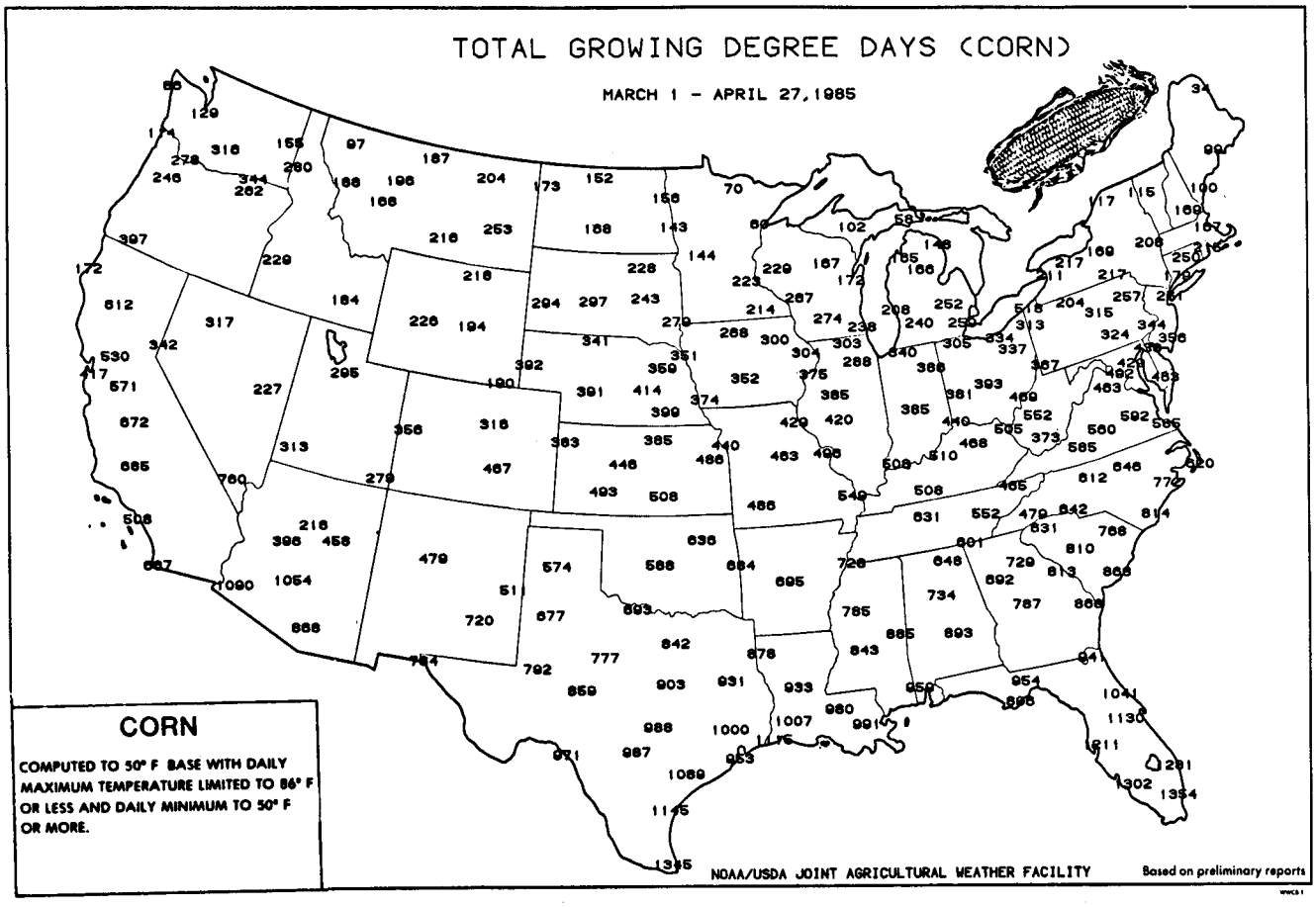

AVERAGE SOIL TEMPERATURE (4-INCH BARE)
April 21-27, 1985
FROZEN
COLD
COOL
MILD
WARM
HOT
VERY HOT
WHEAT CAN DEVELOP
IRISH POTATOES CAN DEVELOP
CORN & SORGHUM CAN DEVELOP
COTTON, SOYBEANS & TENDER FIELD CROPS CAN DEVELOP
Based on preliminary reports


AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
APRIL 21-27, 1985
Based on preliminary reports


AVERAGE TEMPERATURE (°F)
APR 21-27, 1985
ALASKA
HAWAII
Southern Limit of Freezing Weather
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
APR 21-27, 1985
ALASKA
HAWAII
6 DEG ABOVE NORMAL
12 DEG ABOVE NORMAL
6 DEG BELOW NORMAL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


EXTREME MAXIMUM TEMPERATURE
APR 21-27, 1985
ALASKA
Barrow 11
Nome 24
Fairbanks 48
Anchorage 50
Juneau 52
Cold Bay 46
Kodiak
HAWAII
Lihue 81
Honolulu 85
Kahului 84
Hilo 79
SHADED AREAS ABOVE 90 DEGREES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



Use of Growing Degree Units in Corn Production

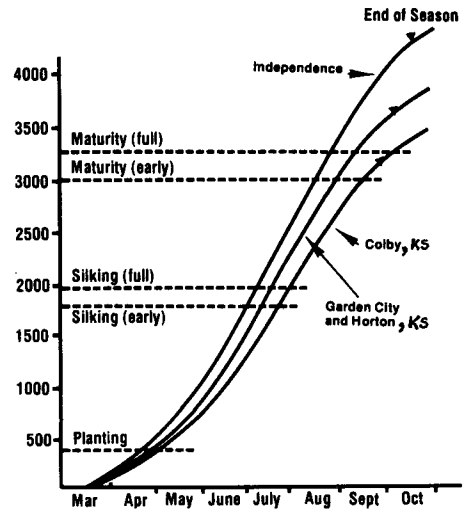
For years, the practice had been to label corn maturity in days. A 135 day variety would presumedly reach maturity 135 days after it was planted. This system does not take into account the complicated physiological processes that control growth and development of corn. The number of days required to reach maturity depends on the location of the planting, and the weather that the plant is subjected to in a particular growing season. In most years, the period will be more or less than 135 days. It is hard to decide which maturity to plant to achieve maximum production. A delayed planting might not provide the required number of days for your variety to mature.

Each day does not contribute equally to the growth of plants. Growth is faster during the warm season than it is in cold weather. On the other hand, summer temperature can be too high for optimum growth. Although other factors than temperature enter into determining the rate of growth, there is now an acceptance among most seed producers to use the temperature based Growing Degree Units (GDU) concept to express maturity. There have been many of these "heat-unit" systems devised over the years. The one currently in use for corn is that initiated in 1969 by the staff of the Weekly Weather and Crop Bulletin and several state universities and seed companies.

Degree-day recorders and totalizers, which accumulate ongoing degree day measurements, are available from some meteorological equipment suppliers.

GDU's Required to Reach:

	Silking	Maturity
Early Season Variety	1390	2610
Full Season Variety	1560	2830

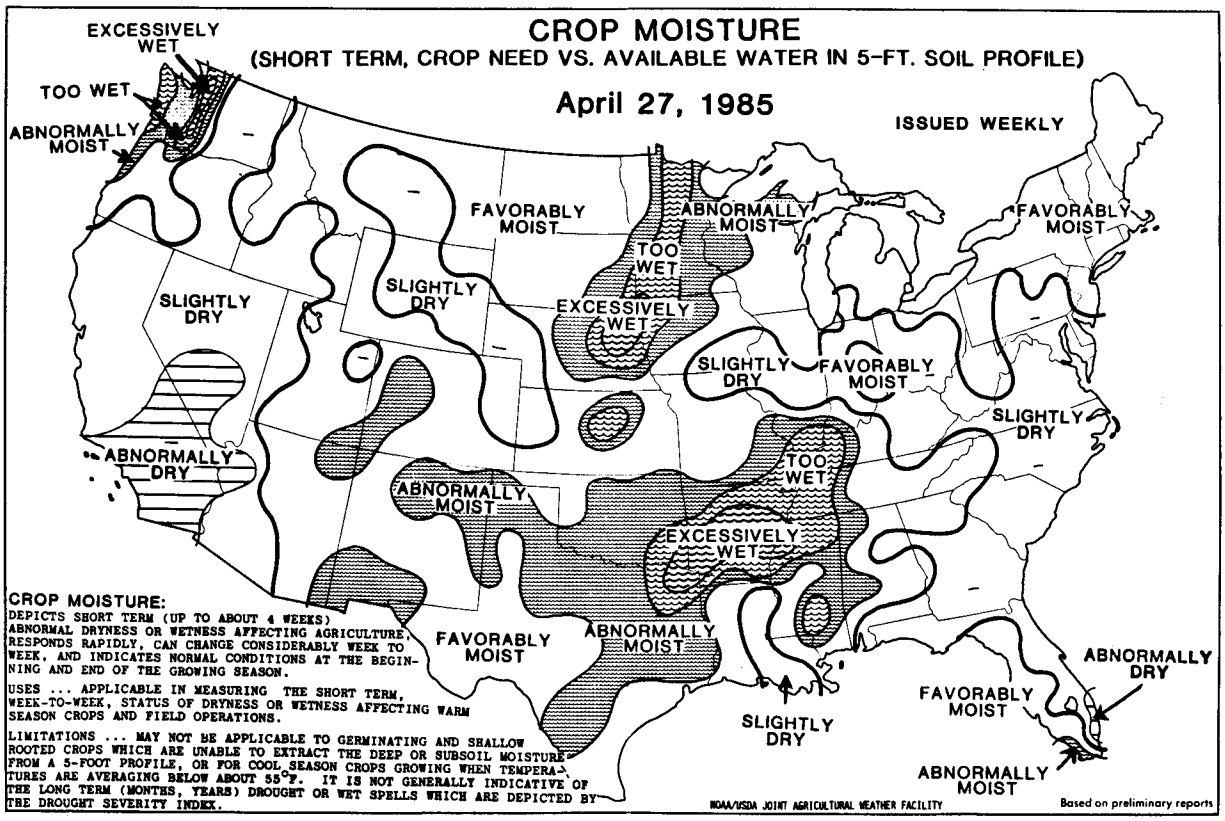


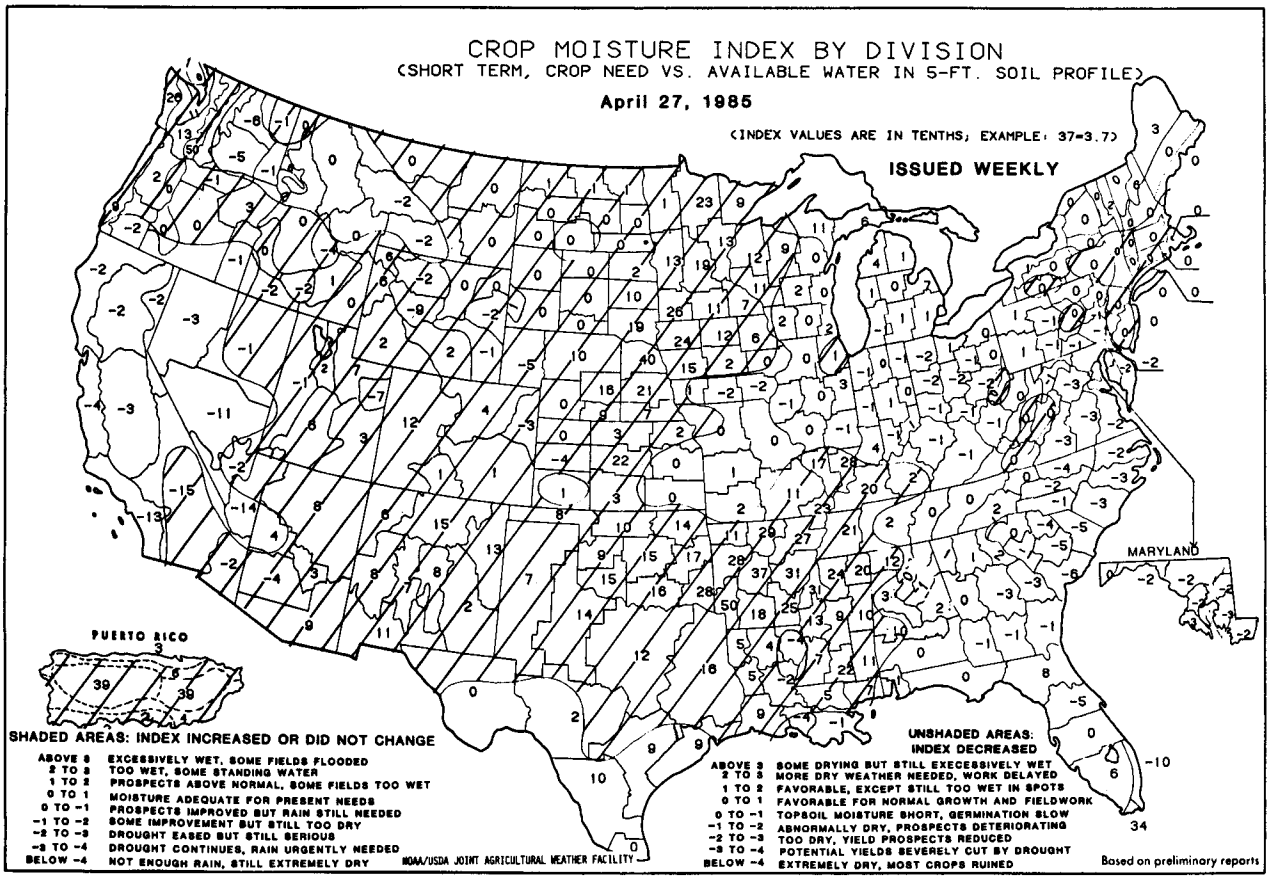
* In this system, Growing Degree Units are calculated by subtracting a base temperature of 50° (F) from the average of the maximum and minimum temperatures for the day. Corn doesn't grow much at temperatures below 50°. As the temperature rises, corn grows faster if moisture is plentiful. However, at a temperature higher than 86° the roots have increasing difficulty taking in water fast enough to keep the plant growing at full speed. GDU are calculated by the following equation.

$$GDU = \frac{\text{Max Temp.} + \text{Min Temp.}}{2} - 50°$$

NOTE: Minimum temperatures below 50° are counted as 50° and temperatures above 86° are counted as 86°.

For example a day with temperature extremes of 82° and 60° would have contributed 21 GDU. A day with a high temperature of 90° and a low of 48°, will be considered as one with temperatures of 86° and 50° for purposes of calculation. That day would have had 18 GDU.


CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
April 27, 1985
ISSUED WEEKLY
EXCESSIVELY WET
TOO WET
ABNORMALLY MOIST
FAVORABLY MOIST
ABNORMALLY MOIST
FAVORABLY MOIST
TOO WET
SLIGHTLY DRY
SLIGHTLY DRY
EXCESSIVELY WET
SLIGHTLY DRY
FAVORABLY MOIST
SLIGHTLY DRY
ABNORMALLY DRY
TOO WET
ABNORMALLY MOIST
EXCESSIVELY WET
FAVORABLY MOIST
ABNORMALLY MOIST
SLIGHTLY DRY
ABNORMALLY DRY
FAVORABLY MOIST
ABNORMALLY MOIST
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES ... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS ... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
April 27, 1985
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED WEEKLY
MARYLAND
PUERTO RICO
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE
ABOVE 8 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 8 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
UNSHADED AREAS: INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXECESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending April 27, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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
AL BIRMINGHAM	82	60	87	57	71	6	.7	-.4	.7	4.1	37	13.9	66	93	42	0	0	1	1
MOBILE	81	65	84	56	73	3	.7	-.5	.7	6.7	59	18.2	88	93	54	0	0	2	1
MONTGOMERY	85	61	89	58	73	6	.3	-.7	.3	5.3	54	17.6	95	94	46	0	0	1	0
AK ANCHORAGE	46	29	50	23	38	-1	T	-.1	T	1.4	105	2.9	97	81	42	0	6	0	0
BARROW	5	-5	11	-13	0	-5	T	0	T	.2	47	.3	38	76	57	0	7	0	0
FAIRBANKS	42	24	48	15	33	-3	0	-.1	0	.9	144	1.9	119	70	37	0	7	0	0
JUNEAU	46	33	52	30	40	-2	T	-.7	T	.3	4	1.2	9	91	47	0	3	0	0
KODIAK	44	33	46	29	38	-1	.6	-.7	.5	10.4	126	26.2	115	88	57	0	4	4	1
NOME	19	-2	24	-7	8	-14	T	-.1	T	1.6	136	2.7	108	88	67	0	7	0	0
AZ PHOENIX	79	59	91	55	69	-1	.1	.1	.1	.6	53	1.7	71	59	17	1	0	2	0
PRESCOTT	61	38	71	31	50	-2	.2	0	.1	1.9	87	4.7	85	81	32	0	1	2	0
TUCSON	75	52	91	47	64	-4	.1	0	.1	.3	31	3.1	129	58	17	1	0	2	0
YUMA	84	60	95	56	72	0	T	0	T	T	13	.3	30	49	18	2	0	0	0
AR FORT SMITH	76	57	80	46	67	2	2.5	1.5	1.8	10.9	142	18.2	152	90	55	0	0	4	2
LITTLE ROCK	76	60	78	52	68	2	4.3	3.0	2.1	11.0	114	17.3	101	95	65	0	0	4	4
CA BAKERSFIELD	76	46	86	40	61	-4	0	-.1	0	.5	34	1.4	39	70	24	0	0	0	0
EUREKA	56	46	58	43	51	1	.1	-.5	.1	5.1	66	9.5	48	91	66	0	0	2	0
FRESNO	78	50	86	44	64	2	T	-.2	T	1.9	69	3.0	45	63	21	0	0	0	0
LOS ANGELES	72	55	81	50	63	3	0	-.2	0	.7	27	3.3	40	72	28	0	0	0	0
RED BLUFF	75	48	88	41	62	1	T	-.3	T	3.2	84	4.7	41	64	22	0	0	1	0
SACREMENTO	74	46	82	41	60	0	0	-.3	0	2.0	61	4.2	41	79	34	0	0	0	0
SAN DIEGO	71	58	78	55	64	2	.1	0	.1	1.0	41	2.2	37	82	47	0	0	2	0
SAN FRANCISCO	66	48	72	47	57	2	.1	-.2	.1	3.4	83	6.5	54	86	45	0	0	1	0
CO DENVER	55	35	64	31	45	-5	1.6	1.1	1.0	2.4	84	3.7	93	84	43	0	1	4	1
GRAND JUNCTION	57	37	68	32	47	-8	.8	.6	.4	2.7	197	3.5	135	85	45	0	1	4	0
PUEBLO	62	40	75	33	51	-3	.7	.4	.3	1.4	88	2.3	110	86	38	0	0	4	0
CT BRIDGEPORT	63	49	80	44	56	5	.1	-.7	.1	2.5	34	5.5	40	86	54	0	0	2	0
HARTFORD	71	46	83	41	58	6	.4	-.5	.4	3.6	45	6.0	41	79	36	0	0	2	0
DC WASHINGTON	82	58	93	55	70	10	T	-.7	T	1.9	32	7.1	62	81	38	1	0	0	0
FL APALACHICOLA	79	60	81	58	70	0	.1	-.6	.1	3.5	49	10.9	77	91	60	0	0	1	0
DAYTONA BEACH	84	62	91	56	73	2	0	-.5	0	4.3	85	5.6	54	89	47	2	0	0	0
JACKSONVILLE	86	59	90	51	73	3	0	-.8	0	3.5	52	6.0	45	94	40	1	0	0	0
KEY WEST	82	74	84	70	78	-1	.1	-.3	.1	12.6	483	13.2	210	77	57	0	0	2	0
MIAMI	83	68	86	64	75	-1	.7	-.2	.7	4.1	91	4.6	53	84	46	0	0	1	1
ORLANDO	86	63	91	61	75	1	0	-.5	0	6.0	118	8.2	82	98	37	1	0	0	0
TALLAHASSEE	86	57	89	53	71	2	T	-.9	T	5.6	60	10.2	54	98	44	0	0	0	0
TAMPA	87	64	89	62	76	2	0	-.4	0	2.6	51	6.7	65	90	35	0	0	0	0
WEST PALM BEACH	82	67	86	61	74	0	0	-.9	0	6.4	116	7.7	71	85	55	0	0	0	0
GA ATLANTA	81	60	85	57	71	7	.7	-.3	.7	4.0	40	13.1	68	80	34	0	0	2	1
AUGUSTA	89	55	90	49	72	7	.4	-.3	.4	2.3	28	12.1	76	98	25	3	0	2	0
MACON	84	58	87	51	71	4	.2	-.6	.1	2.4	29	10.3	60	97	43	0	0	3	0
SAVANNAH	88	60	94	55	74	6	0	-.8	0	2.9	44	4.8	37	91	31	2	0	0	0
HI HILO	77	64	79	62	71	-2	1.4	-1.6	.4	31.7	124	50.0	103	94	63	0	0	6	0
HONOLULU	85	69	85	67	77	1	.2	-.1	.2	1.5	30	6.8	60	85	51	0	0	1	0
KAHULUI	82	62	84	59	72	-2	0	-.2	0	2.3	56	4.7	41	93	52	0	0	0	0
LIHUE	80	71	81	68	76	2	.1	-.6	.1	2.9	38	12.8	74	78	60	0	0	2	0
ID BOISE	54	32	70	24	43	-8	.4	.2	.2	1.9	90	2.7	56	79	29	0	3	3	0
LEWISTON	57	35	76	27	46	-6	.2	-.1	.1	1.6	80	2.5	58	78	34	0	2	4	0
POCATELLO	55	29	68	25	42	-5	.2	-.1	.1	1.8	91	3.4	85	73	26	0	7	3	0
IL CHICAGO	71	50	88	37	61	9	.7	-.2	.7	6.3	106	11.2	127	91	51	0	0	2	1
MOLINE	75	56	87	46	66	12	.8	-.1	.8	6.6	104	10.3	111	67	40	0	0	2	1
PEORIA	77	55	85	46	66	12	.4	-.6	.3	6.9	109	10.5	113	85	41	0	0	3	0
QUINCY	77	58	86	51	68	11	.7	-.2	.5	4.3	65	8.5	90	87	45	0	0	4	1
ROCKFORD	72	51	86	39	62	10	.3	-.7	.3	4.7	73	7.5	83	90	48	0	0	2	0
SPRINGFIELD	78	57	84	48	68	11	.3	-.6	.2	5.6	83	9.2	91	88	43	0	0	3	0
IN EVANSVILLE	77	56	84	47	67	7	1.4	.4	.6	9.4	114	15.4	108	87	46	0	0	4	1
FORT WAYNE	79	54	87	45	67	14	.3	-.6	.2	5.5	89	11.1	109	80	42	0	0	2	0
INDIANAPOLIS	78	54	84	39	66	10	.6	-.2	.6	8.6	124	13.7	114	85	45	0	0	2	1
SOUTH BEND	77	55	85	45	66	14	.1	-.8	.1	5.8	86	12.7	113	73	36	0	0	1	0
IA DES MOINES	70	53	85	47	62	8	.1	-.7	.1	3.6	70	6.2	86	82	50	0	0	4	0
SIOUX CITY	63	47	84	40	55	1	4.2	3.6	1.1	7.0	188	7.4	140	88	59	0	0	5	5
WATERLOO	68	51	86	42	60	9	1.2	.3	.8	4.3	79	6.1	85	79	49	0	0	5	1
KS CONCORDIA	66	48	77	39	57	1	1.1	.5	.8	3.1	80	5.0	94	96	66	0	0	4	1
DODGE CITY	73	46	83	38	60	2	.8	.3	.5	2.7	87	4.9	120	90	41	0	0	4	1
GOODLAND	62	39	77	34	51	-1	.5	.1	.4	.9	43	1.5	54	85	40	0	0	2	0
TOPEKA	73	55	83	40	64	6	.8	0	.7	5.2	106	8.0	116	85	56	0	0	3	1
WICHITA	73	53	80	40	63	4	1.1	.5	.8	3.3	82	5.6	100	88	51	0	0	3	1
KY BOWLING GREEN	78	54	85	44	66	6	2.2	1.3	1.8	5.8	62	10.1	57	98	46	0	0	4	1
LEXINGTON	78	55	85	44	67	9	1.5	.6	1.5	5.9	69	8.9	58	81	42	0	0	1	1
LOUISVILLE	80	56	87	46	68	8	.4	-.5	.2	6.1	72	10.4	69	87	42	0	0	2	0
LA ALEXANDRIA	83	66	85	59	74	5	.6	-.8	.4	4.2	42	16.3	81	88	58	0	0	3	0
BATON ROUGE	84	67	86	62	75	5	.8	-.5	.4	5.4	56	15.8	82	94	53	0	0	3	0
LAKE CHARLES	82	68	86	61	75	5	1.2	.2	.6	4.8	73	15.0	101	97	63	0	0	3	1
NEW ORLEANS	83	67	85	65	75	5	1.1	0	.9	9.2	105	23.2	122	84	52	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 27, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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	80	62	86	55	71	3	1.5	.3	.8	6.0	76	12.9	83	100	67	0	0	4	1
ME CARIBOU	56	30	69	24	43	2	T	-.6	T	3.4	72	7.1	76	65	24	0	5	0	0
PORTLAND	60	35	76	28	47	2	.1	-.8	.1	4.4	58	6.9	46	83	31	0	4	1	0
MD BALTIMORE	79	54	93	47	66	10	.3	-.5	.1	2.8	42	7.8	61	75	35	1	0	2	0
SALISBURY	81	55	94	54	68	11	T	-.7	T	2.9	41	8.6	63	97	47	1	0	1	0
MA BOSTON	62	46	79	40	54	2	.4	-.5	.4	3.8	51	6.7	44	87	41	0	0	2	0
CHATHAM	58	42	73	38	50	3	.3	-.6	.2	30.6	406	34.2	212	--	--	0	0	2	0
MI ALPENA	72	43	89	28	58	14	.5	-.2	.4	5.2	126	9.7	135	92	40	0	2	2	0
DETROIT	75	49	83	37	62	11	.4	-.3	.3	6.5	121	13.0	146	85	40	0	0	2	0
FLINT	75	50	85	36	63	14	.4	-.3	.4	7.7	156	12.6	159	82	40	0	0	1	0
GRAND RAPIDS	73	51	84	36	62	12	.3	-.5	.3	6.7	118	11.9	129	88	45	0	0	1	0
HOUGHTON LAKE	71	50	83	29	61	15	.1	-.5	.1	5.6	134	9.2	131	77	40	0	1	2	0
LANSING	75	50	85	36	62	13	.2	-.4	.2	6.4	129	11.4	139	88	45	0	0	1	0
MARQUETTE	64	42	81	29	53	11	.5	-.4	.3	11.2	184	17.0	172	90	48	0	2	3	0
MUSKEGON	70	51	84	36	61	12	.9	.1	.9	6.1	114	11.4	121	74	47	0	0	1	1
SAULT STE. MARIE	63	38	82	26	51	9	.5	-.1	.5	7.1	170	12.5	156	95	54	0	2	1	0
MN ALEXANDRIA	59	40	77	32	50	3	2.0	1.5	.9	4.3	137	5.3	113	95	56	0	1	3	2
DULUTH	54	39	70	31	47	4	1.9	1.3	.7	4.1	112	5.2	90	92	62	0	1	4	1
INT'L FALLS	50	37	68	32	44	1	2.8	2.4	1.0	3.8	152	4.9	120	91	68	0	2	5	3
MINNEAPOLIS	64	47	80	41	56	5	1.6	1.1	.6	6.3	179	7.7	148	84	53	0	0	3	2
ROCHESTER	62	48	78	42	55	6	1.2	.6	.5	4.0	102	5.2	96	89	58	0	0	4	1
MS GREENWOOD	81	64	84	57	72	5	1.8	.6	1.2	5.5	48	12.3	59	94	56	0	0	2	2
JACKSON	82	62	86	55	72	5	1.9	.5	1.1	6.4	57	17.9	87	96	54	0	0	4	2
MERIDIAN	82	62	86	54	72	6	2.8	1.7	1.5	7.6	66	16.9	80	97	56	0	0	5	2
MO CAPE GIRARDEAU	78	59	83	48	68	--	3.9	2.8	2.1	13.1	144	19.2	128	94	55	0	0	4	3
COLUMBIA	78	56	84	47	67	9	.3	-.7	.3	4.8	72	12.0	120	90	48	0	0	1	0
KANSAS CITY	74	56	83	44	65	7	.2	-.7	.1	3.3	63	7.0	92	86	51	0	0	4	0
SAINT LOUIS	79	59	83	53	69	10	1.0	.2	1.0	8.8	135	13.1	126	86	45	0	0	3	1
SPRINGFIELD	74	56	79	47	65	6	.6	-.4	.5	8.8	124	14.6	135	86	54	0	0	2	0
MT BILLINGS	58	32	75	27	45	-2	.1	-.4	.1	2.3	84	3.0	67	59	19	0	4	1	0
GLASGOW	58	34	75	25	46	-1	.4	.2	.2	1.2	103	1.3	65	84	33	0	2	3	0
GREAT FALLS	54	30	73	20	42	-4	.1	-.4	.1	1.3	59	1.9	48	68	27	0	5	2	0
HAVRE	55	32	74	20	44	-3	.3	0	.2	1.7	112	2.0	80	76	34	0	3	2	0
HELENA	53	28	73	20	41	-5	.2	-.1	.2	.9	56	1.5	56	74	25	0	6	2	0
KALISPELL	49	30	63	22	40	-6	T	-.3	T	1.3	74	2.9	64	73	39	0	5	0	0
MILES CITY	62	35	78	28	48	0	.3	-.1	.2	1.7	97	2.0	69	80	26	0	2	2	0
MISSOULA	53	30	73	22	42	-5	.1	-.2	.1	1.0	57	1.9	49	90	34	0	5	1	0
NE GRAND ISLAND	64	45	85	40	55	1	2.8	2.1	.9	4.1	105	4.6	88	84	47	0	0	6	3
LINCOLN	66	47	83	36	57	2	2.1	1.4	.6	3.7	83	4.5	74	94	63	0	0	5	3
NORFOLK	62	44	86	37	53	1	4.6	4.0	1.2	6.5	186	6.9	144	96	57	0	0	6	4
NORTH PLATTE	61	38	71	33	50	-1	1.2	.7	.9	2.1	75	2.8	76	84	41	0	0	2	1
OMAHA	67	48	84	40	58	3	1.6	.9	.8	3.7	83	4.8	79	92	69	0	0	5	1
SCOTTSBLUFF	60	36	69	29	48	-2	.6	.2	.4	1.4	64	2.2	73	77	28	0	1	2	0
VALENTINE	60	37	71	30	49	-1	.6	.1	.6	2.2	91	2.8	88	77	37	0	3	1	1
NV ELY	53	24	66	19	39	-5	.1	-.1	.1	1.2	70	2.1	68	87	28	0	7	3	0
LAS VEGAS	76	52	85	46	64	-2	0	0	0	.4	62	.6	38	40	12	0	0	0	0
RENO	62	31	74	21	47	-2	T	-.1	T	1.1	92	2.0	61	83	19	0	4	0	0
WINNEMUCCA	58	25	73	13	42	-6	.2	-.1	.1	.9	65	2.4	80	82	22	0	6	3	0
NH CONCORD	67	37	77	29	52	5	.2	-.5	.2	3.9	68	6.8	62	91	32	0	2	1	0
NJ ATLANTIC CITY	73	51	90	50	62	9	.4	-.3	.4	3.3	48	7.1	51	88	47	1	0	2	0
NM ALBUQUERQUE	67	42	77	38	54	-3	.2	.2	.2	1.2	141	2.2	129	74	23	0	0	3	0
CLOVIS	72	46	78	40	59	0	0	-.3	0	2.4	185	4.0	167	64	23	0	0	0	0
ROSWELL	78	50	87	41	64	-1	.8	.7	.8	1.7	290	2.0	182	60	21	0	0	1	1
NY ALBANY	71	48	86	43	60	10	.4	-.3	.2	5.3	93	7.3	71	90	40	0	0	3	0
BINGHAMTON	71	50	85	38	60	13	.1	-.6	.1	4.6	80	7.2	68	86	44	0	0	2	0
BUFFALO	72	51	88	38	61	13	T	-.7	T	5.6	98	13.2	118	82	42	0	0	1	0
NEW YORK	68	51	78	48	60	5	T	-.8	T	3.2	43	5.8	42	88	43	0	0	0	0
ROCHESTER	72	48	84	36	60	11	T	-.6	T	4.8	98	9.1	95	90	53	0	0	1	0
SYRACUSE	71	49	85	42	60	11	T	-.7	T	3.7	60	7.7	68	96	54	0	0	1	0
NC ASHEVILLE	79	47	83	40	63	5	.1	-.7	.1	3.5	41	11.3	72	95	26	0	0	2	0
CHARLOTTE	83	53	88	49	68	5	.6	-.1	.6	2.5	32	11.8	77	88	29	0	0	1	1
GREENSBORO	84	52	90	45	68	7	.3	-.4	.3	1.7	25	9.8	72	79	24	1	0	1	0
HATTERAS	82	62	89	58	72	11	T	-.7	T	3.0	44	13.0	83	91	46	0	0	1	0
NEW BERN	89	57	92	53	73	9	0	-.7	0	4.0	63	11.5	81	83	34	4	0	0	0
RALEIGH	86	55	92	47	70	8	T	-.7	T	1.7	27	10.9	82	70	23	2	0	0	0
WILMINGTON	89	60	93	54	75	9	.1	-.6	.1	2.3	35	9.4	68	86	25	4	0	2	0
ND BISMARCK	57	32	71	27	45	-2	.2	-.2	.2	2.6	127	2.9	97	94	42	0	4	1	0
FARGO	58	35	67	28	46	0	.2	-.3	.1	1.9	76	2.3	66	86	44	0	3	3	0
GRAND FORKS	62	37	73	33	50	4	.1	-.3	.1	1.9	97	2.6	81	90	38	0	0	1	0
WILLISTON	59	33	74	28	46	0	.4	0	.3	2.6	151	3.0	107	77	32	0	3	2	0
OH AKRON-CANTON	79	53	85	43	66	14	.3	-.5	.3	5.6	89	8.8	80	78	34	0	0	1	0
CINCINNATI	80	54	86	41	67	11	.1	-.8	.1	8.2	115	12.2	95	84	39	0	0	1	0
CLEVELAND	77	53	86	41	65	14	T	-.7	T	6.1	103	10.5	98	72	37	0	0	1	0
COLUMBUS	80	53	87	48	67	13	.1	-.8	.1	4.5	71	7.4	66	75	32	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending April 27, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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	79	54	86	44	66	12	.6	-.2	.4	6.5	105	10.3	95	64	34	0	0	2	0
TOLEDO	78	50	87	43	64	13	.1	-.6	.1	7.1	132	12.3	134	86	36	0	0	1	0
YOUNGSTOWN	78	54	85	40	66	15	.9	.1	.9	7.2	113	9.3	82	78	35	0	0	1	1
OK OKLAHOMA CITY	73	55	80	49	64	2	2.4	1.6	1.4	9.8	214	14.4	212	89	55	0	0	3	2
TULSA	75	58	81	48	66	3	3.3	2.2	1.9	10.0	146	16.9	171	91	54	0	0	3	2
OR ASTORIA	52	39	53	31	46	-3	2.1	1.2	.7	9.9	86	14.7	48	98	69	0	1	7	2
BURNS	50	27	67	19	38	-7	.2	.1	.2	1.2	138	1.9	106	--	--	0	6	3	0
MEDFORD	63	40	80	35	51	-1	.2	-.1	.1	1.6	57	3.4	41	86	35	0	0	2	0
PENDLETON	57	37	73	32	47	-5	.2	-.1	.1	1.4	74	3.2	67	80	36	0	1	4	0
PORTLAND	56	43	63	36	49	-3	.6	.1	.2	4.1	72	5.9	37	92	58	0	0	5	0
SALEM	56	41	66	30	48	-2	.7	.2	.3	4.7	71	8.3	46	92	58	0	1	4	0
PA ALLENTOWN	74	49	92	45	62	9	.1	-.8	.1	2.1	29	5.3	38	79	36	1	0	1	0
ERIE	72	54	82	40	63	15	.4	-.4	.4	6.7	111	12.0	112	80	43	0	0	2	0
HARRISBURG	78	55	93	48	67	11	.1	-.7	0	3.5	54	7.4	61	83	37	1	0	3	0
PHILADELPHIA	74	50	90	46	62	6	.2	-.6	.1	2.5	35	6.5	50	90	40	1	0	2	0
PITTSBURGH	79	54	85	49	66	13	.2	-.5	.2	4.9	76	7.8	66	80	35	0	0	2	0
SCRANTON	72	49	86	44	61	9	.6	-.1	.4	4.2	79	6.4	66	86	38	0	0	2	0
RI PROVIDENCE	65	46	80	38	56	5	.5	-.4	.4	4.8	61	7.7	49	84	40	0	0	3	0
SC CHARLESTON	88	61	93	55	75	8	.1	-.4	.1	2.0	30	5.5	41	92	29	1	0	2	0
COLUMBIA	88	54	90	48	71	5	.3	-.5	.3	1.9	22	12.3	73	96	24	3	0	1	0
FLORENCE	89	56	91	54	73	6	.1	-.5	.1	1.1	16	8.1	59	96	24	5	0	1	0
GREENVILLE	83	56	86	51	69	6	T	-.9	T	2.4	25	11.7	64	85	30	0	0	1	0
SD ABERDEEN	62	35	70	30	49	0	T	-.5	T	2.4	88	2.7	69	92	43	0	3	1	0
HURON	59	40	67	34	50	0	.6	.1	.4	5.4	182	5.9	140	88	48	0	0	3	0
RAPID CITY	61	36	73	30	49	1	.1	-.4	.1	1.8	66	2.3	61	76	28	0	2	2	0
SIOUX FALLS	61	43	83	36	52	2	3.3	2.7	2.1	7.5	205	8.0	157	92	59	0	0	5	2
TN CHATTANOOGA	80	54	86	45	67	4	.1	-.9	.1	4.9	47	13.3	65	88	42	0	0	2	0
KNOXVILLE	80	51	85	40	66	3	.2	-.7	.1	4.3	48	11.7	66	97	44	0	0	2	0
MEMPHIS	79	62	85	53	71	6	3.8	2.5	3.2	9.6	90	17.5	89	96	60	0	0	4	1
NASHVILLE	81	56	87	47	68	6	1.1	.2	.5	5.6	58	11.9	66	90	43	0	0	3	0
TX ABILENE	81	57	86	49	69	1	.1	-.6	.1	3.4	110	5.4	106	79	38	0	0	1	0
AMARILLO	75	48	84	41	62	2	T	-.3	T	2.2	121	3.9	139	79	31	0	0	1	0
AUSTIN	83	64	87	54	73	3	.9	.1	.4	3.9	90	7.4	87	93	53	0	0	4	0
BEAUMONT	83	70	86	61	77	6	.7	-.4	.6	6.0	92	16.3	113	97	68	0	0	3	1
BROWNSVILLE	87	73	89	69	80	4	.1	-.3	.1	2.3	120	4.3	91	91	60	0	0	1	0
CORPUS CHRISTI	82	70	84	62	76	1	.4	-.2	.4	5.3	204	10.8	186	96	67	0	0	1	0
DEL RIO	86	65	92	55	76	2	T	-.5	T	2.1	91	3.7	100	76	35	1	0	0	0
EL PASO	78	52	86	42	65	-1	T	0	T	.6	131	1.8	138	59	17	0	0	1	0
FORT WORTH	80	60	83	52	70	2	2.3	1.3	1.8	7.0	125	10.5	114	91	52	0	0	3	2
GALVESTON	77	70	80	68	74	3	.5	-.2	.5	6.8	155	15.1	156	92	71	0	0	2	0
HOUSTON	81	66	82	56	73	3	.4	-.7	.3	8.9	137	16.3	126	90	57	0	0	3	0
LUBBOCK	78	51	87	42	65	2	.4	.1	.2	1.6	86	2.2	79	77	28	0	0	2	0
MIDLAND	83	56	90	47	70	3	T	-.2	T	.8	70	2.3	105	70	17	1	0	1	0
SAN ANGELO	86	57	89	43	71	2	.2	-.3	.2	1.9	80	3.0	79	80	27	0	0	1	0
SAN ANTONIO	83	64	89	55	73	2	.8	.1	.8	5.9	159	10.5	148	91	49	0	0	2	1
VICTORIA	81	67	83	60	74	1	.7	-.1	.6	14.1	391	19.4	252	97	70	0	0	2	1
WACO	85	63	90	54	74	4	2.6	1.6	2.6	5.4	101	8.1	89	88	44	1	0	3	1
WICHITA FALLS	77	55	81	51	66	-1	2.7	1.9	1.4	7.1	160	10.8	169	89	48	0	0	3	2
UT BLANDING	56	32	65	26	44	-6	.7	.6	.5	3.4	242	5.0	135	90	43	0	3	3	1
CEDAR CITY	59	33	75	30	46	-3	.3	.1	.3	3.0	152	4.0	118	92	38	0	4	2	0
SALT LAKE CITY	59	39	67	34	49	-3	.3	-.2	.3	2.5	66	4.2	66	72	32	0	0	1	0
VT BURLINGTON	66	44	71	40	55	9	.2	-.5	.1	4.3	92	7.0	84	80	37	0	0	3	0
VA NORFOLK	85	59	94	57	72	11	T	-.7	T	2.5	39	10.0	75	86	33	2	0	0	0
RICHMOND	89	56	96	49	73	12	.1	-.6	.1	2.5	40	9.3	74	86	25	3	0	2	0
ROANOKE	85	57	92	50	71	12	.7	0	.7	3.6	56	9.7	78	71	28	3	0	1	1
WA COLVILLE	55	33	68	25	44	-5	.3	0	.2	1.4	67	3.8	66	81	45	0	4	3	0
QUILLAYUTE	51	36	53	28	43	-4	3.6	2.2	1.3	15.3	86	23.4	52	99	61	0	2	7	3
SEATTLE-TACOMA	52	38	54	32	45	-5	.9	.4	.3	3.9	66	7.1	44	93	56	0	1	7	0
SPOKANE	53	32	67	27	43	-6	.2	-.1	.2	1.7	71	3.0	47	90	34	0	4	1	0
YAKIMA	60	32	71	20	46	-6	T	-.1	T	.6	55	1.4	42	71	29	0	5	0	0
WV BECKLEY	77	53	83	43	65	11	.1	-.7	.1	3.1	42	7.4	53	79	30	0	0	1	0
CHARLESTON	86	56	92	45	71	13	.2	-.7	.1	5.9	82	11.2	81	77	29	3	0	2	0
HUNTINGTON	83	55	92	44	69	10	T	-.8	T	4.3	59	10.3	77	89	31	1	0	2	0
PARKERSBURG	83	57	90	52	70	14	.4	-.4	.3	5.7	82	9.2	68	76	25	1	0	2	0
WI GREEN BAY	69	48	82	36	59	11	.3	-.3	.3	4.9	115	8.4	129	81	47	0	0	2	0
LA CROSSE	66	50	80	41	58	7	2.2	1.4	1.1	5.5	117	7.7	118	80	43	0	0	6	2
MADISON	69	50	83	37	60	10	.3	-.4	.3	4.7	94	8.0	113	76	46	0	0	2	0
MILWAUKEE	69	49	84	36	59	11	.6	-.2	.6	6.0	106	10.2	119	90	52	0	0	3	1
WAUSAU	65	48	80	36	56	9	1.0	.3	.7	4.8	107	6.0	95	89	49	0	0	4	1
WY CASPER	51	25	60	20	38	-7	.9	.4	.5	1.8	76	3.2	94	91	32	0	6	3	0
CHEYENNE	51	31	62	24	41	-4	.6	.2	.4	1.0	48	1.8	64	96	38	0	5	4	0
LANDER	52	27	62	22	39	-6	.6	0	.4	1.3	42	2.0	48	69	28	0	7	2	0
SHERIDAN	57	25	71	20	41	-5	.2	-.3	.2	1.2	43	2.3	53	83	25	0	7	2	0
PR SAN JUAN	85	71	89	70	78	-1	.7	-.3	.6	2.8	51	8.0	76	81	53	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

National Agricultural Summary

April 22 to 28, 1985

HIGHLIGHTS: Shortness of moisture delayed planting and prevented germination in the Eastern Atlantic Coast States. Some Virginia farmers replanted corn because of poor germination. Farmers throughout most of the Nation had 5-6 days available for fieldwork, but farmers in South Dakota, Minnesota, Wisconsin, Nebraska, Mississippi, and Arkansas had less than 4 days available.

Winter wheat was generally good but continued in the South Atlantic Coast States deteriorating as the moisture shortage increased. Heading was mostly limited to the Southwestern and Southeastern States, reaching 10 percent (%) in 16 of the 18 major producing States and equaling the average. A few fields of winter wheat were harvested for grain in Texas. Spring wheat seeding surged 25 points ahead of last week to 52% complete, 16 points ahead of normal. Corn advanced to 22% planted in the 17 major producing States, doubling the average. Sorghum was 21% planted in the 7 major producing States. However, planting progressed well in the other Southern States. Cotton producers seeded 32% of the cotton acreage, slightly ahead of last year and the average. High winds with blowing sand damaged cotton in Arizona and California. Rice advanced to 41% seeded, which is almost normal. Soybean planting increased across the Southeast, and a few acres were seeded in Oklahoma and Missouri. Livestock was mostly good throughout the Nation.

SMALL GRAINS: Winter wheat was generally good, but continued deteriorating in the Southeast from the lack of moisture. Heading was mostly limited to the Southwestern and Southeastern States, reaching 10% in 16 of the 18 major producing States and equaling the average. Texas wheat headed was 10 points ahead of normal and 5 points ahead in California. A few fields of winter wheat were harvested for grain in Texas. Wheat was jointing throughout the Corn Belt and Great Plains States, but Kansas wheat began heading. Louisiana, Texas, Alabama, and Arizona wheat continued turning color.

Kansas wheat was good to excellent. Wheat rapidly developed with adequate moisture. Eighty percent of the wheat jointed, compared with the 55% average. Winter weeds became a problem, but soil-borne Mosaic disease began declining. Nebraska's wheat was mostly good to fair. Winterkill became noticeable in central and north central Nebraska. Wheat in the Northwestern and Northern Plains States continued greening and growing.

Spring wheat seeding surged 25 points ahead of last week to 52% complete, 16 points ahead of normal. Seeding ranged from 88% complete in South Dakota to 40% in Minnesota. Planting was ahead of normal in all 5 major producing States, except Idaho which was 14 points behind normal. About 13 percent of the spring wheat planted emerged.

CORN: Corn in the 17 major producing States reached 22% planted, doubling the average. Planting was nearly complete in the Southeast and began in most Northern States. Emerged corn was mostly fair, but moisture is badly needed in the Southeast. Some southeastern fields were replanted because of poor germination and the earlier freeze.

SORGHUM: Sorghum planting is still limited to the Southern States but moved into Missouri last week where 4% was seeded. Texas sorghum planting was 2 points behind normal at 63% completion; much of the time lost to wetness earlier has been recovered. Planting progressed ahead of normal in nearly all other Southern States.

COTTON: Cotton producers in the 14 major producing States seeded 32% of the cotton acreage, slightly ahead of last year and the average. Planting was ahead of or equaled the norm in almost all States. However, wetness impeded planting in Arkansas while dryness slowed planting in Georgia. High winds with blowing sand damaged cotton in Arizona and California.

OTHER CROPS: Soybean planting became more widespread across the Southeast, Oklahoma and Missouri seeded a few acres. Soybeans were 5 and 6% planted in Missouri and Georgia, respectively. Soybean seeding began in Alabama, Mississippi, Texas, Virginia, and Oklahoma.

Rice jumped from 29% seeded last week to 41%--which is about normal. Seeding was 31 points behind normal in Texas but 30 points ahead of normal in Mississippi. California seeded only 5% of the rice, equaling last year but slightly behind normal. Twenty-one percent of the rice seeded emerged, compared with 21% in 1984 and the 24% average.

Peanut planting began in all producing States except Virginia and Oklahoma. Peanuts were more than a third seeded in Alabama, Georgia, and Mississippi.

Tobacco transplanting was active in the Southeast. Transplanting was complete in Florida, 99% complete in Georgia, 35% complete in North Carolina, and 87% complete in South Carolina. Plantbed preparation and seeding moved further north into Wisconsin.

FRUIT AND NUTS: Peaches remained mostly poor throughout most of the eastern half of the Nation, but Texas peach trees continued good fruit set. Frost damaged early variety peach trees in Utah. Apples began breaking bud in Wisconsin and Pennsylvania.

Although all available irrigation equipment was in use, Florida's citrus groves badly needed rain. Non-irrigated groves showed signs of wilt, along with fruit softening and very little new growth. Producers continued harvesting the remaining Valencia oranges and grapefruit.

Arizona citrus harvest wound down but a few lemons were packed. California peach growers thinned and sprayed for twig bore. Prunes and almonds sized well. Olive bloom continued, pomegranates bloomed, and Navel orange bloom was light to normal.

Cool weather slowed fruit development in Oregon's Hood River Valley. Frost damaged fruit trees in higher elevations of the valley and in Wasco County. Orchards in western Oregon were mostly passed bloom stage.

VEGETABLES: Florida vegetable shipments gained momentum, up 31% from last week. Crops declining were Chinese cabbage, cauliflower, lettuce, and strawberries. Watermelon harvest increased in the Immokalee area.

High winds damaged vegetables in eastern Texas. Vegetable planting continued in most areas of Texas. Onion harvest slowed in the Rio Grande Valley and began in the Laredo area.

Mixed vegetable harvest continued in the Arizona Salt River Valley. California producers harvested and planted a variety of vegetables. Lettuce harvest was heavy from the San Joaquin Valley but fairly light from the central coast. Asparagus harvest was in full swing.

PASTURES AND LIVESTOCK: Pastures were mostly good, except where moisture shortages existed. Feed requirements improved and livestock moved to pastures. Livestock was mostly good.

CROP PROGRESS

FOR WEEK ENDING APR 28, 1985

WINTER WHEAT
% HEADED

	1985	1984	AVG.
ARK	57	NA	NA
CALIF	85	85	80
COLO	0	0	0
GA	80	82	NA
IDAHO	0	0	0
ILL	0	0	3
IND	0	0	0
KANS	1	0	5
MICH	0	0	0
MO	0	0	0
MONT	0	0	0
NEBR	0	0	0
OHIO	0	0	0
OKLA	20	5	20
OREG	0	0	0
S DAK	0	0	0
TEX	43	31	33
WASH	0	0	0
18 STATES	13	NA	NA
EXCL. STATES WITH NA	10	6	10

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

NA - NOT AVAILABLE

SPRING WHEAT
% PLANTED

	1985	1984	AVG.
IDAHO	50	48	64
MINN	44	35	43
MONT	45	50	40
N D	45	12	24
S DAK	88	37	50
5 STATES	52	28	36

THESE 5 STATES PRODUCED 92% OF THE 1984 SPRING WHEAT CROP.

SPRING WHEAT
% EMERGED

	1985	1984	AVG.
IDAHO	16	14	28
MINN	12	1	11
MONT	0	0	0
N D	9	0	5
S DAK	37	2	21
5 STATES	13	1	9

THESE 5 STATES PRODUCED 92% OF THE 1984 SPRING WHEAT CROP.

SORGHUM
% PLANTED

	1985	1984	AVG.
ARK	35	31	31
KANS	0	0	0
MO	4	1	4
NEBR	0	0	0
OKLA	3	2	3
S DAK	0	0	0
TEX	63	61	65
7 STATES	21	20	22

THESE 7 STATES PRODUCED 83% OF THE 1984 SORGHUM CROP.

COTTON
% PLANTED

	1985	1984	AVG.
ALA	48	26	32
ARIZ	88	91	85
ARK	10	7	12
CALIF	90	95	89
GA	32	18	43
LA	27	18	22
MISS	33	11	23
MO	8	1	8
N MEX	50	34	31
N C	51	5	24
OKLA	5	0	1
S C	70	32	45
TENN	15	2	10
TEX	16	13	16
14 STATES	32	26	29

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

CORN
% PLANTED

	1985	1984	AVG.
COLO	26	2	10
GA	97	90	90
ILL	31	1	9
IND	20	0	2
IOWA	17	3	9
KANS	30	4	15
KY	38	8	18
MICH	4	2	3
MINN	3	3	5
MO	60	4	19
NEBR	6	1	5
N C	88	45	63
OHIO	35	0	10
PA	8	3	5
S DAK	1	0	0
TEX	91	83	78
WIS	2	0	1
17 STATES	22	6	11

THESE 17 STATES PRODUCED 93% OF THE 1984 CORN CROP.

RICE
% PLANTED

	1985	1984	AVG.
ARK	30	18	23
CALIF	5	5	7
LA	68	64	66
MISS	70	22	40
TEX	60	98	91
5 STATES	41	37	40

THESE 5 STATES PRODUCED 97% OF THE 1984 RICE CROP.

RICE
% EMERGED

	1985	1984	AVG.
ARK	13	1	7
CALIF	0	0	1
LA	52	54	54
MISS	18	1	13
TEX	30	64	63
5 STATES	21	21	24

THESE 5 STATES PRODUCED 97% OF THE 1984 RICE 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: Rain 1.00 to 2.00 in. northwest, west central counties, 0.50 in. or less elsewhere. Temperatures 6° above normal.

Fieldwork: 4.8 days. Soil moisture adequate except in southeast short. Plowing 88% complete. Corn planted 92%, 54% 1984, 65% avg. Wheat headed 74%, 61% 1984, 58% avg. Wheat turning color 8%. Cotton planted 48%, 26% 1984, 32% avg. Peanuts planted 32%, 27% 1984, 20% avg. Sorghum planted 19%, 18% 1984. Soybean planting just began. Activities: Care of livestock and poultry; planting corn, cotton, peanuts, sorghum, spraying fruit trees, seedbed preparation. Fieldwork on schedule. Conditions: Wheat, livestock, pasture fair to good; pasture feed short to adequate, stored feed short.

ARIZONA: Sharp warming trend with sunny to partly cloudy skies through 24th. Cold upper level low pressure system moved slowly across State remainder of week. Precipitation confined mostly to eastern two-thirds with amounts 0.10 to 1.00 in. Very little or none over extreme west. Snow level reached down to 5,000 ft. Average temperatures mostly 1 to 6° below normal.

Cotton 88% planted, 91% 1984, 85% avg. Established stands good condition; some damage by high winds, blowing sand La Paz County. Wheat, barley fair to mostly good condition; 99% jointing, 92% headed, 50% turning color. Alfalfa harvest active in west, central valley, beginning southeast. Current harvest of good quality; market demand held grower prices at good level. Cabbage, carrots, greens, green onions, radishes, turnips harvested Salt River Valley. Lettuce harvest winding down. Citrus harvest winding down, few lemons packed. Slight improvement in Valencia, grapefruit markets. Artichokes packed in Parker-Poston area. Yuma lettuce, cauliflower harvest complete. Cantaloup, watermelons making good progress. Stockwater supplies, soil moisture adequate. Range feed average or above, cattle and sheep good condition.

ARKANSAS: Temperatures well above normal averaging nearly 4° above normal statewide. Lowest 39°; highest 88°. Rainfall widespread 3 to 4 rainfall days. Amounts over 3 in. common. Precipitation 1.45 to 7.00 in.

Soil moisture adequate to surplus. Average of 3.0 days suitable for fieldwork. Major activities fertilization, weed control of pastures, seedbed preparation, planting. Rice 30% planted, 18% 1984, 23% avg. Rice 13% emerged, 1% 1984, 7% avg. Cotton 10% planted, 7% 1984, 12% avg. Winter wheat 57% headed. Sorghum 35% planted, 31% 1984, 31% avg.

CALIFORNIA: Temperatures below normal over State, with exception of south coast where above normal tempartures persisted. Precipitation generally confined to northern half of State as a few weak spring weather systems rolled through areas. Precipitation totals mostly below 0.25 in. Individual temperature readings ranged from 14° at Alturas to a high of 99° at Thermal.

High winds slowed fieldwork. Small grains maturing well. Green chopping small grains, baling oat hay continued. Winter wheat 85% headed, 85% 1984, 80% avg. Seeding of rice slowed by high winds. Rice 5% planted, 5% 1984, 7% avg. Early plantings of rice just starting to emerge. Cotton 90% planted, 95% 1984, 89% avg. High winds damaged young cotton plants. Corn, safflower, sugarbeets continued to be planted and irrigated. Cultivating early planted corn, sugarbeets continued. Alfalfa being cut for hay. Strong winds caused some fruit drop, damage for limb rubbing in several areas of State. Spray applications for coddling moth in various crops. Apricots being thinned. Hass, Fuerte avocado harvest continued. Applications for mildew leaf hoppers, mites continued in grape vineyards. Olive bloom continued. Thinning of peach orchards, some spraying for twig bore. Pomegrantes starting bloom. Prunes sizing normally. Grapefruit, lemon harvest continued. Navel orange bloom light to normal. Almonds sizing well. Walnuts progressing well; some fungicide applications. Artichoke harvest heavy; asparagus harvest full swing. Broccoli heavy supply, some harvest curtailment due market conditions. Melon planting continued central interior valleys. Early desert melons setting fruit. Cauliflower light to moderate supply. Sweet corn nearing maturity Coachella Valley. Lettuce heavy supply San Joaquin Valley, fairly light supply central coast. Some overmature fields abandoned. Shipping dry market onions started Imperaial Valley. Movement fall potatoes active Tulelake Butte Valley. Strawberry harvest increased central coast, San Joaquin Valley, active south coast. Sweetpotato planting incresed San Joaquin Valley. Market tomato fields setting fruit desert, blooming San Joaquin Valley. Processing tomatoes setting fruit desert. Planting continued late district. Foothills, valley ranges dried by winds. Grasses maturing rapidly. Spring calving continued heavy northern areas. Sheep shearing active San Joaquin, Sacramento Valleys. Movement livestock summer ranges pastures continued. Stock supplies low in some areas.

COLORADO: Major storms moved through State at beginning, end of week. Heavy snow portions of mountains, Foothills with accumulations exceeding 1 ft. some locations. Rainfall exceeding 1.00 in. in northeastern area. Temperatures averaged mostly 2 to 8° below normal.

Rain, snow limited producers to 4.0 days suitable for fieldwork, provided much needed moisture. Corn planted 26%, 2% 1984, 10% avg. Winter wheat continued to grow well, 7% pastured. Barley seeded 75%, 68% 1984, 69% avg; 40% emerged. Spring wheat seeded 56%, 44% 1984, 54% avg. Oats seeded 64%, 47% 1984, 57% avg. Onions 93% planted, summer potatoes 61% planted, fall potatoes 3% planted. Livestock condition good; 75% cows calved; 77% ewes lambed.

FLORIDA: Fair to partly cloudy skies. Warm, mostly dry weather. Few isolated showers, thunderstorms; rainfall if any, mostly under 0.25 in. except for 1.50 in. Pensacola on 24th.

Soil moisture short in crop producing areas. Few coastal areas, south adequate moisture. Corn planted, stands variable, most cultivated. Tobacco progress fair to good. Peanut planting continued, some delay due to dry conditions. Soybean planting getting underway. Insects causing problems in wheat. Small grains heading. Sugarcane growth good. Pastures good to excellent south; poor to fair central, north; severe Panhandle. Supplemental feeding continued. Cattle mostly fair to good. Citrus groves need rain, all with available irrigation equipment in full use. Non-irrigated groves showing some wilt, also some

fruit softening, very little new growth in non-irrigated groves. Harvest active for processing of remaining Valencias, grapefruit. Warm sunny days, mild night prevailed vegetable areas. Daytime temperatures generally in 80's while nighttime lows mostly 60's, 70's. Vegetable shipments gained 31% over previous week. Crops showing greatest gain: Carrots, sweet corn, cucumbers, peppers, radishes, tomatoes, potatoes, watermelons. Steady supplies continued for snap beans, cabbage, celery, eggplant, escarole, parsley, squash. Supplies Chinese cabbage, cauliflower, lettuce, strawberries declined. Potato harvest very active Hastings area. Watermelon cutting continued to gain Immokalee area. Sweet corn harvest shifted to Everglades. Cucumber, pepper supplies abundant.

GEORGIA: Temperatures low to mid 70's except mountains mid to upper 60's. Averages 6° above normal. Maximum temperatures in 80's. Maximums upper 80's, lows 90's common across central, southern areas. Rain 4 days north while some central, south areas dry. Rain totals mostly under 0.33 in. Some 1.00 in. totals recorded extreme north, Atlanta areas. Averaged daily pan evaporation rates between 0.20 to 0.25 in., near 0.30 in. Savannah.

Soil moisture 20% very short, 59% short, 21% adequate. Days suitable for fieldwork 5.8. Main activities: Land preparation, planting, weed, insect and disease control. Corn 97% planted, 90% 1984, 90% avg.; 3% poor, 35% fair, 55% good, 7% excellent. Cotton 32% planted, 18% 1984, 43% avg.; 7% poor, 36% fair, 57% good. Peanuts 40% planted, 24% 1984, 36% avg.; 3% poor, 40% fair, 57% good. Tobacco 99% transplanted, 95% 1984, 97% avg.; 9% poor, 48% fair, 43% good. Watermelons 96% planted, 92% 1984, 90% avg; 3% poor, 34% fair, 60% good, 3% excellent. Grain sorghum 29% planted, 12% 1984, 16% avg.; 2% poor, 41% fair, 55% good, 2% excellent. Soybeans 6% planted, 2% 1984, 4% avg.; 44% fair, 56% good. Wheat 99% jointing, 98% 1984; 97% boot, 92% 1984; 80% headed, 82% 1984; 2% very poor, 13% poor, 41% fair, 41% good, 3% excellent. Rye 3% very poor, 9% poor, 39% fair, 48% good, 1% excellent. Other small grains 4% very poor, 13% poor, 43% fair, 38% good, 2% excellent. Apples 100% blooming, 98% 1984; 13% poor, 31% fair, 54% good, 2% excellent. Peaches 18% very poor, 18% poor, 26% fair, 38% good. Pastures 9% poor, 45% fair, 44% good, 2% excellent. Cattle 2% poor, 30% fair, 64% good, 4% excellent. Hogs 1% poor, 20% fair, 73% good, 6% excellent.

HAWAII: Weather generally favorable toward crop development. Temperatures warmed to above nomal levels in most parts of State. Rainfall light except for windward and mountainous regions. Offshore showers area did, however, place eastern coast of State under cloudy cover produced almost daily showers. Showers did delay planting of ginger root crop, slowed other farm activities as well. Chinese cabbage harvesting will remain heavy, shipments to U.S. Mainland likely to diminish. Head cabbage, Head lettuce production will remain heavy, but a slight decrease is expected next week. Cucumber production will increase as new fields enter into harvest. Watermelon production is expected to increase greatly in the next few weeks as major plantings begin harvest. Papaya production anticipated to remain at a seasonally low level. Banana production will remain light.

IDAHO: Low pressure system brought abrupt end to above normal temperatures, dry conditions experienced over State. Temperatures well below average with mean daily temperatures ranging from 4 to 13° below normal. Precipitation averaged near normal southern portion, 0.10 to 0.20 in. below normal north.

Days suitable for fieldwork 5.0. Soil moisture in fair to good supply. Winter wheat condition fair to good. Spring wheat 50% seeded, 48% 1984, 64% avg.; 16% emerged, 14% 1984, 28% avg. Spring barley 35% seeded, 32% 1984, 48% avg. Oats 35% seeded. Sugarbeets 64% planted, 70% 1984, 76% avg. Onions 100% planted, 80% 1984, 88% avg.; dry peas 16% planted, 14% 1984, 36% avg. Lentils 17% planted, 7% 1984, 42% avg. Potatoes 14% planted, 17% 1984, 18% avg. Irrigation water in good to excellent supply. Hay remained in good supply. Calving completed 89%; lambing completed 95%.

ILLINOIS: Temperatures 8 to 12° above normal. Precipitation 0.03 to 0.07 in. below normal over entire State except for central, where precipitation was 1.00 in. below normal.

Days suitable for fieldwork 5.5. Soil moisture 13% short, 76% adequate, 11% surplus. Corn planting 31% complete, 1% 1984, 9% avg. Winter wheat headed none, none 1984, 3% avg.; condition 3% poor, 11% fair, 77% good, 9% excellent. Oat seeding 97% complete, 46% 1984, 75% avg. Tillage for corn, sorghum, and soybeans 84% complete, 74% 1984, 85% avg. Alfalfa condition 1% poor, 2% fair, 70% good, 27% excellent. Pasture condition 6% fair, 75% good, 19% excellent; supplying 70% livestock roughage requirements, 42% 1984, 51% avg.

INDIANA: Temperatures averaged 7 to 11° above normal. Average highs from low 70's north to upper 70's south. Average lows from upper 40's to upper 50's. Soil temperature low to mid 60's. Rainfall over 1.00 in. extreme south, less than 0.25 to less than 0.50 elsewhere.

Fieldwork averaged 6.2 days. Topsoil moisture short to mostly adequate. Subsoil moisture adequate. Spring cropland 80% tilled, 60% 1984, 75% avg. Corn 20% planted, none 1984, 2% avg. Oats 95% seeded, 35% 1984, 70% avg. Oats 4 in. high, 2 in. 1984, 2 in. avg. Winter wheat 1% poor, 13% fair, 76% good, 10% excellent. Wheat 45% jointed, 15% 1984, 30% avg. Wheat height 11 in., 6 in. 1984, 9 in. avg. Wheat none headed, none 1984, none avg. Tobacco plant beds 100% seeded, 60% 1984. Pasture condition good. Rye 20% headed, none 1984, 10% avg.

IOWA: Temperatures averaged 1° below normal northwest to 6° above southeast. Variable precipitation; greatest rainfall in northwest 3.16 in. at Sioux City, 2.96 in. at Cherokee.

Days suitable for fieldwork: 4.1. Topsoil moisture conditions 30% short, 47% adequate, 23% surplus. Subsoil moisture conditions 11% short, 78% adequate, 11% surplus. Soil erosion 8% heavy, 20% average, 57% light, and 15% none. Fertilizer applications 82% complete. Conventional tillage operations 86% complete; conservation tillage operations 79% complete. Winter wheat 8% poor to very poor, 26% fair, 53% good, 13% excellent. Pasture conditions 7% poor to very poor, 22% fair, 55% good, 16% excellent. Corn planted 17% complete. Oat acreage sown 98%, 64% 1984, 77% avg. Livestock very good condition.

KANSAS: Precipitation averaged 0.50 in. west, 2.00 to 3.00 in. central, 0.75 to 1.00 in. elsewhere. Temperatures averaged 54° northwest; 62 to 65° east, south central. Temperatures normal southwest, north central; 7° above normal northeast, 2 to 5° above normal elsewhere.

Days suitable for fieldwork 5.5. Wheat growth rapid, ahead of schedule. Wheat jointing 80%, 30% 1984, 55% avg. Wheat headed 1%, none 1984, 5% avg.; conditions good to excellent. Moisture adequate most areas, short west. Winter annuals problem in wheat, spraying for control. Soil-borne

Mosaic declining; tan spot, light levels. Light freeze, wind damage south central. Corn planted 30%, 4% 1984, 15% avg. Sorghum planted none, none 1984, none avg. Seedbed preparation continued. Alfalfa weevil light to moderate, severe some counties. Some early cutting salvage. Cattle moving to grass. Pastures good to excellent.

KENTUCKY: Mild conditions with afternoon high temperatures above normal. Two frontal systems produced precipitation. Average temperatures in upper 60's. Precipitation averaged 0.50 to 2.00 in. Soil temperatures at 4 in. level averaged 60's to lower 70's.

Days favorable for fieldwork averaged 5.1. Soil moisture 61%, reported adequate to surplus moisture. Corn planting 38%, 8% 1984, 18% avg. Western, west central areas lead in percent planted. Emerged corn showed good growth. Nearly 90% tobacco beds have emerged plants. Plant conditions good, large plants have leaves size of half-dollars. Wheat, barley good; some in western areas 2 to 3 weeks ahead of normal. Few disease problems. Alfalfa good condition. Spraying for alfalfa weevil as needed. Pastures good condition.

LOUISIANA: Rainfall ranged from none to 4.60 in. Average temperatures 3 to 5° above normal. Lows 49°; high 89°.

Soil moisture adequate southeast. Short to adequate elsewhere. Days suitable for fieldwork 5.3. Activities included spring plowing, fertilizing pastures, planting corn, cotton, rice, sorghum, vegetables; harvesting hay, strawberries. Spring plowing 90%, 80% 1984, 79% avg. Corn planted 94%, 89% 1984, 80% avg. Corn emerged 88%, 82% 1984, 71% avg.; good condition. Rice planted 68%, 64% 1984, 66% avg. Rice emerged 52%, 54% 1984, 54% avg.; good condition. Sorghum planted 54%, 58% 1984, 41% avg. Sorghum emerged 38%, 39% 1984, 28% avg; fair condition. Cotton planted 27%, 18% 1984, 22% avg. Cotton emerged 14%, 3% 1984, 11% avg.; fair condition. Winter wheat headed 78%, 84% 1984, 77% avg. Wheat turning color 21%, 10% 1984, 21% avg; fair to good condition. Sweetpotatoes planted 25%, 7% 1984, 16% avg.; fair to good condition. Hay first cutting 9%, 1% 1984, 4% avg. Pasture, livestock, vegetables fair to good condition. Sugarcane fair condition.

MARYLAND & DELAWARE: Maryland: Hot, dry. Temperatures averaged 10 to 14° above normal. Lows in mid 40's north, west; mid 50's elsewhere. High in the mid 90's.

Days suitable for fieldwork, 7.0, progress being delayed due to dry conditions. Topsiol, subsoil moisture short throughout State. Acreage plowed for spring crop 80% complete, 35% 1984, 62% avg. Small grains mostly fair condition. Some small grains showing stress from lack of rain. Spring oats 70% planted, 60% 1984, 75% avg. Tobacco beds planted, one week behind schedule. Snap beans 45% planted, 40% 1984, 30% avg. Potatoes 90% planted, 90% 1984, 90% avg.

Delaware: Hot, dry conditions persist. Temperatures mostly 10 to 13° above normal. Lows near 50°; highs in mid 90's. Precipitation averaged nealy 0.10 in.

Days suitable for fieldwork 7.0, planting being delayed because of dry conditions. Spring plowing 75% complete, 40% 1984, 70% avg. Small grains in mostly poor condition; moisture needed for growth, development.

MICHIGAN: Unseasonably warm weather across State. Temperatures averaged 13° above normal. Precipitation light to moderate.

Spring tillage, planting active. Topdressing wheat nearing completion. Development of wheat, hay, pastures ahead of normal. Corn 4% planted, 2% 1984, 3% avg. Oats 35% seeded, 25% 1984, 41% avg. Sugarbeets 55% planted, 15% 1984, 40% avg. Wheat none headed, none 1984, none avg. Fruit development about 2 weeks ahead of normal. Vegetable field preparation on schedule. Onion, celery planting underway. Asparagus harvest underway.

MINNESOTA: Heavy rainfall early week followed by warm, dry by end of week. Temperatures 1 to 6° above normal. Low: 27; high 84°. Precipitation averaged 0.10 to 0.77 in. above normal northwest, northeast, southeast; 1.03 to 2.51 in. above normal elsewhere. Greatest weekly total: 4.08 in.

Fieldwork nearly halted by rains. Days suitable for fieldwork 1.4. Topsoil moisture 1% short, 41% adequate, 58% surplus. Winter wheat 18% poor, 42% fair, 36% good, 4% excellent. Spring wheat planted 44%, 35% 1984, 43% avg.; emerged 20%, 1% 1984, 11% avg. Oats planted 55%, 46% 1984, 45% avg; emerged 12%, 1% 1984, 10% avg. Barley planted 32%, 27% 1984, 36% avg.; emerged 8%, none 1984, 7% avg. Field corn ground prepared 22%, 22% 1984, 23% avg.; planted 3%, 3% 1984, 5% avg. Soybeans ground prepared 6%, 6% 1984, 10% avg.; planted: 3%, 3% 1984, 5% avg. Sunflowers planted none, none 1984, 2% avg. Sugarbeets planted 31%, 15% 1984, 39% avg. Potatoes planted 4%, 5% 1984, 7% avg.

MISSISSIPPI: Temperature 6° above normal. Extremes: 44°; 88°. Maximum 24-hour rainfall 4.40 in. McComb.

Soil moisture adequate to surplus. Fieldwork: 3.4 days suitable, 3.4 1984, 3.8 avg. Wheat condition fair to good; 100% jointing, 100% 1984; 75% heading, 71% 1984, 67% avg. Corn good to fair; 85% planted, 69% 1984, 60% avg.; 60% to stand, 44% 1984, 38% avg. Rice 70% planted, 22% 1984, 40% avg.; 18% stand, 1% 1984, 13% avg. Cotton 33% planted, 11% 1984, 23% avg.; 16% to stand, 1% 1984, 8% avg. Sorghum 37% planted, 16% 1984. Soybeans 2% planted, 1% 1984, 1% avg. Peanuts 27% planted, watermelons 60%, sweetpotatoes 8%. Pasture, livestock good to fair. Peach condition fair.

MISSOURI: Temperatures ranged from 3 to 8° above normal with warmer temperatures on eastern half of State. Rainfall widespread, averging close to 0.50 in. for State, except for southeast averaged around 2.00 in. with some areas of Bootheel receiving over 4.00 in. late week.

Days suitable for fieldwork 5.0. Topsoil moisture supply 34% short, 49% adequate, 17% surplus. Northern third mostly short. Corn planting 60%, 4% 1984, 19% avg. Soybeans 5% planted, none 1984, 1% avg. Grain sorghum 4% planted, 1% 1984, 4% avg. Cotton 8% planted, 1% 1984, 8% avg. Winter wheat 6% poor, 53% fair, 41% good.

MONTANA: Significant rain most of northeast, southeast; mostly light amounts remainder of State. In east amounts ranged from 0.33 to 0.75 in., rest of State received around 0.10 in. Temperatures averaged near normal east, 3 to 6° below normal elsewhere. Temperatures coldest midweek, became very mild by end of week. Very strong winds accompanied warming at end of week.

Topsoil moisture short to adequate, subsoil moisture short. Fieldwork: 4.2 days suitable. Winter wheat mostly green, growing. Winterkill moderate. Spring wheat 45% seeded, 50% 1984, 40% avg. Barley 45% seeded, 50% 1984, 45% avg. Oats 40% seeded, 40% 1984, 35% avg. Sugarbeets 55% seeded, 20% 1984, 35% avg. Calving 90% complete, lambing 85%, shearing 85%. Livestock losses about average. About 70% livestock still on supplemental feed.

NEBRASKA: Rainfall ranged from 0.50 in. Panhandle to 6.00 in. northeast. Temperatures averaged normal to 3° below normal.

Days suitable for fieldwork 3.2. Topsoil

moisture 17% short, 52% adequate, 31% surplus. Subsoil moisture 23% short, 66% adequate, 11% surplus. Oat seeding 100%, 45% 1984, 75% avg. Corn planted 6%, 1% 1984, 5% avg. Wheat condition rated 1% poor, 44% fair, 47% good, 8% excellent. Rains should be beneficial to crop development. Some winterkill damage central, north central areas. Weed control measures southern districts. Wheat headed none, none 1984, none avg. Sorghum planted none, none 1984, none avg.

NEVADA: Cool, showery north through first half of period with several record lows. Snow accumulated valley floors late week precipitaton totals generally light southern areas also windy and cooler than normal with only trace amounts rain near end of period.

Fieldwork, planting operations slowed by cold, windy weather all areas. Alfalfa hay harvest south progressing despite rainy weather. Potato planting slowed by inclement weather.

NEW ENGLAND: Average precipitation ranged from 0.25 to 0.50 in. southern areas to less than 0.25 in. northern areas. Temperatures averaged slightly above normal, ranging from mid 40's near Canadian border to upper 50's southern interior sections.

Cattle turned out to pasture. Spring soil preparation active.

NEW JERSEY: Temperatures averaged 2 to 4° above normal. Extremes: 34°; 93°. Weekly rainfall averaged 0.13 in. north, 0.20 in. central, 0.31 in. south. Heaviest 24-hour total 0.57 in. on 22nd to 23rd. Estimated soil moisture, in precent of field capacity averaged 67% north, 58% central, 45% south. Four inch soil temperatures averaged 57° north, 59° central, 62° south.

Fieldwork: 6.6 days suitable. Progress reported a week to 10 days ahead of schedule. Precipitation continued below normal, some areas rationing water use, including nursery irrigation. Harvest of early vegetables increasing in response to above normal temperatures. Apples, blueberries, strawberries in bloom. Soil preparation, planting of field corn, soybeans continued ahead of schedule. All field crops in need of a good soaking rain. Growth of pastures, hay generally good.

NEW MEXICO: Average temperatures 4° below normal west, 1 to 2° below normal east. Minimum temperatures 17° northern mountains; maximum temperature 90° southeastern Plains. Pacific storm 27th to 28th brought substantial rains; amounts near 1.50 in. common. Precipitation ranged from a trace to 4.47 in.

Soil moisture very short to surplus, generally adequate. Hail, freeze damage none to light; wind damage none to moderate. Alfalfa mostly good; first cutting started south. Cotton fair to good. Cotton 50% seeded, 34% 1984, 31% avg. Corn good to excellent, around 60% planted. Barley good to excellent, 80% jointed. Irrigated wheat good to excellent, dryland fair to good. Wheat around 90% jointed. Pecans fair to good. Apples generally good, 70% full bloom, average fruit set. Chile good to excellent, planting neared completion. Lettuce fair to good, harvest to start around 29th. Onions good. Cattle, sheep fair to good. Range fair to good, generally good.

NEW YORK: Dry week; rains were limited to spotty showers in eastern section early in week, light showers on 25th and light sprinkles on 26th. Rainfall well below normal. Southeast section received 0.20 to 0.30 in. of rain, rest of State received only 0.10 in. or less. Temperatures averaging 5 to 10° above normal, except north, temperatures soared to 80's first half of week. Showers on 25th triggred a cooling trend that lowered temperatures to near normal by end of week.

Spring plowing, planting oats main farm activities. Oat planting 30% complete, 5% 1984, 11% avg. Some oat emerged. Corn planting just begun, less than 5% complete. Winter wheat crop generally good condition; hay crops ranged from fair to good. Other farm activities included spreading fertilizer and lime, seeding hay crops, spring wheat, barley.

NORTH CAROLINA : Precipitation ranged from none to 1.22 in.

Soil moisture: 40% very short, 56% short, 4% adequate. Days suitable for fieldwork 6.3. Condition: Pasture 28% poor, 58% fair, 14% good. Wheat 29% poor, 59% fair, 12% good. Oats 40% poor, 50% fair, 10% good. Barley 34% poor, 54% fair, 12% good. Rye 31% poor, 49% fair, 20% good. Tobacco beds 13% poor, 51% fair, 34% good, 2% excellent. Irish potatoes 5% poor, 48% fair, 47% good. Peaches 96% poor, 4% fair. Plantings: Corn 88%, 45% 1984, 63% avg. Cotton 51%, 5% 1984, 24% avg. Peanuts 9%, 2% 1984, 5% avg. Sorghum 23%, none 1984, 7% avg. Flue-cured tobacco transplanted 35%, 24% 1984, 26% avg. Major farm activities: Land preparation for spring planting, corn planting, transplanting tobacco, tobacco bed maintenance, fertilizing, spraying herbicides, planting gardens.

NORTH DAKOTA: Average temperatures varied from 2° above normal for northwest to 1° below normal west central. Extremes ranged from 23 to 78°. Some light rain over most sections, all sections except northwest being below normal. Wahpeton recorded greatest weekly precipitation total with 1.03 in. Seeding of small grains moving at rapid pace. Calving and lambing nearing completion.

Topsoil, subsoil moisture supplies below normal. Topsoil supplies 53% adequate, 47% short or very short. Averages are 7% surplus, 59% adequate, 34% short or very short. Subsoil moisture supplies 47% adquate, 53% short to very short. Averages 64% adquate or better, 36% short or very short. Hard read spring wheat 45% seeded, 12% 1984, 24% avg.; durum 24% seeded, 6% 1984, 14% avg. Barley 48%, 10% 1984; 20% avg,; oats 43% seeded, 10% 1984, 22% avg. Corn 3% planted , none 1984, 1% avg.; flax 9% planted, 1% 1984, 2% avg. Potatoes 8% seeded, 4% 1984, 3% avg.; sugarbeets 37%, 14% 1984, 41% avg. Seeding of small grains moving at rapid pace. Calving and lambing nearing completion.

OHIO: Daytime readings averaged mid 70's to around 80's; 10 to 13° above normal. Minimum temperatures averaged 7 to 10° above normal, fell into 30's north end of period with some frost. Soil temperatures at 4 in. averaged 60's. Precipitation averaged less than 0.50 in. and under in most of north.

Fieldwork: 6.5 days suitable. Topsoil moisture 52% short, 48% adquate. Rain needed to activiate herbicides, improve germination. Corn planting 35% complete, none 1984, 10% avg. Earliest corn up to uniform stands. Winter wheat good, height 9 in.; none headed. Oat seeding 95% complete, 20% 1984, 50% avg. Grasslands good.

OKLAHOMA: Temperatures averaged 1° below normal Panhandle, west central to 3° above normal northeast. Precipitation averaged 1.34 in. Panhandle to 3.64 in. southeast.

Warm weather, intermittent rainfall accelerated wheat, forage growth. Some northwestern fields still showing signs of insufficient moisture. Wheat growing rapidly, even stands improved. Rust increasing southwest fields. Wheat headed 20%, 5% 1984, 20% avg. Farmers started planting all row

crops except peanuts. Sorghum planted 3%, 2% 1984, 3% avg. Cotton planted 5%, none 1984, 1% avg. Livestock good condition. Marketings mostly average, prices stabilizing. Warm weather prompted pasture growth.

OREGON: Cold, wet week. Temperatures averaged from 5 to 14° below normal. Lows dropped to teens east of Cascades, lower 30's in west. Precipitation 1.25 in. along coast, 0.67 in. Willamette Valley, under 0.50 in. east of mountains.

Winter wheat fair to good condition. Later seeding of non-irrigated wheat getting very dry Columbia Basin. Barley about 94% seeded. Field corn planting continued. Some early plantings near emergence. Fruit development Hood River Valley slowed by cool weather, generally about a week behind normal. Some frost damage in higher elevatons of valley and in Wasco County. Western orchards mostly post bloom stage. Rain good for western vegetables. Most onions planted, some emerging. Late potato planting Hermiston-Boardman area winding down. Norgolds up, nipped by frost. Pastures, ranges good to excellent west, fair to good east. Grass Columbia Basin needs moisture. Livestock good to excellent condition.

PENNSYLVANIA: Average temperature 62°; 10° above normal. Lowest reported temperature 36° at Hawley on 28th; highest reported temperature 93° at Harrisburg on 23rd. State's precipitation averaged 0.02 in. Departure of 0.70 in. from normal.

Days suitable for fieldwork 5.0. Moisture short to adequate. Activities; Repairing fence, spreading manure, fertilizer and lime, spring plowing, spraying fruit trees, planting cabbage, sweet corn, oats, alfalfa, potatoes, corn. Plowing 59% complete, 18% 1984, 18% avg. Corn 8% planted, 3% 1984, 5% avg. Oats 71% planted, 26% 1984, 46% avg. Potatoes 43% planted, 6% 1984, 21% avg. Planting tobacco beds 80% complete, 86% 1984. Hay stand conditions mostly good to fair. Feed from pastures mostly average. Peaches 14% pink, 55% in full bloom or past, last year 23% pink less than 5% in full bloom. Cherries 18% pink, 73% in full bloom, last year 9% pink, 10% in full bloom. Apples 22% pink, 56% in full bloom; last year less than 5% pink, less than 5% in full bloom.

PUERTO RICO: Island average precipitation 0.84 to 2.10 in. above normal. Highest weekly total 6.28 in. Highest 24 hour total 4.10 in. Temperature averaged about 77 to 78° on coasts and 70 to 73° interior division. Mean station temperature ranged from 65 to 77°. Extremes: 52°; 92°. Total rainfall 0.73 minus 0.25 in.

SOUTH CAROLINA: Weather during past week averaged 6 to 10° warmer than usual. Scattered showers moved across State 23rd and 24th. Rainfall heaviest west central and central State. Only trace recorded in portions of eastern, southern State. More scattered showers developed over weekend. Few localities eastern, southern State received significant amounts.

Soil moisture very short. Days available for field activities 6.0. Corn conditions fair; 97% planted, 80% 1984, 81% avg. Cotton conditions poor to fair; 70% planted, 32% 1984, 45% avg. Tobacco condition fair; 83% planted, 87% 1984, 77% avg. Additional rainfall still badly needed. Peach crop condition remains poor to fair. Tomato conditions fair, planting complete. Watermelon condition fair 81% planted, 83% 1984, 82% avg. Pastures condition poor to fair. Wheat and rye condition fair, oats and barley poor to fair. Potential small grain yields dropping each day without rain.

SOUTH DAKOTA: Average temperatures ranged from 3 to 4° below normal. Extremes: 19°; 86°. Outside Black Hills, low 22°. Heavy rainfall early in week caused lowland flooding in southeast; 1 to 3 in. of wet snow fell in southwest, south central midweek. Total precipitation ranged from less than 1.00 to 5.00 in.

Days suitable for fieldwork 3.0. Topsoil moisture mostly short to adquate with area of surplus in east-southeast. Range, pastures livestock good. Calving 76% complete, lambing 78% complete. Corn planted 1%, none 1984, none avg. Spring wheat planted 88%, 37% 1984, 50% avg. Spring wheat emerged 37%, 2% 1984, 21% avg. Winter wheat headed none, none 1984, none avg. Sorghum planted none, none 1984, none avg.

TENNESSE: Cold front produced needed rain statewide on 23rd, 24th. Moist unstable air returned late week producing rainfall weekend. Temperature means ranged from mid 60's to near 70's, about 5 above normal. Rainfall heavy across west, generally light across middle, east.

Days suitable for fieldwork 5.0. Soil moisture 50% short, 37% adequate, 13% surplus. Corn planted 50%, 20% 1984, 25% avg. Cotton planted 15%, 2% 1984, 10% avg. Tobacco plants up 90%. Wheat jointed: 65% 1984. Headed: 25%, 5% 1984, 20% avg.

TEXAS: Cold front moved through State first part week triggering thunderstorms west to east. High pressure system on 24th brought fair skies. Cold front on 26th along with associated upper low triggered locally heavy thunderstorms over weekend. Temperatures above normal Cross-Timbers, Blacklands, Edwards Plateau, coastal zone, southern areas, Lower Valley; Plains, Trans-Pecos below normal. Precipitation above normal Upper coast, south, Lower Valley, High and Low Plains, Blacklands, Cross-Timbers, East. Edward Plateau, Trans-Pecos, south central, Coastal Bend below normal.

Crops: Grain sorghum continued good growth most areas. Producers central, south excellent progress. Weeds increasing many fields. Cultivation continued fields dry enough for equipment to enter. High winds, small hail minor damage fields Blacklands, Low Plains. Some early fields for forage planted High Plains. Corn planting continued good pace Plains; some early fields up to good stands. Cutworms problem Blacklands; crop progress remained good. Producers Coastal Bend completed some replanting of fields damaged by heavy rains in April. Early planted fields showing good progress. Rio Grande Valley fields also showing good progress. Cotton planting continued Blacklands. Land preparation completed High Plains. Planting should begin in earnest within week, weather permitting. Central cotton up, making good growth. Some replanting necessary areas with early heavy rainfall. Good progress reported Rio Grande Valley, light insect populations. Small grain fields varied conditions. South first wheat fields for grain cut La Salle County. Central fields infested with rust as they entered dough stage. Some armyworm problems Blacklands. Additional rain needed Plains. Dryland fields beginning to stress. Irrigated fields good progress. Minor hail damage reported these areas. Wheat condition 80% of normal compared with 64% 1984. Current reported conditons 2% poor, 34% fair, 56% good, 8% excellent. Rice planting continued Upper coast on lighter soil heavier soils remained wet, drier weather needed to continue planting. Sugarbeet planting good progress. Irrigation necessary to get some fields to emerge. Currently, crop fair to

good. Corn planted 91%, 83% 1984, 78% avg. Cotton planted 16%, 13% 1984, 16% avg. Rice planted 60%, 98% 1984, 91% avg.; emerged 30%, 64% 1984, 63% avg. Sorghum planted, all purposes 63%, 61% 1984, 65% avg. Wheat headed 43%, 31% 1984, 33% avg.; turning color 3%, none 1984, none avg. Peanuts planted 4%, 6% 1984, 9% avg. Soybeans planted 2%, none 1984, none avg. Sugarbeets planted 81%, 96% 1984, 94% avg. Sunflowers planted 1%, 3% 1984, 4% avg.

Commercial Vegetables: Rio Grande Valley, producers reported good progress on tomatoes, peppers, melons. Pollination of melons continued. Light supplies cabbage available. Onion harvest continued, started winding down. San Antonio-Winter Garden most spring vegetables good progress. Harvesting onions began Laredo area. Some delays experienced because showers. East planting watermelons, peas continued. Tomateos started blooming some fields received damage from high winds. High Plains irrigation needed onions, potatoes. Currently, potatoes look good. Onion transplants weak this year, not doing as well. Carrot planting started. Trans-Pecos: Transplanted onions making excellent growth. Cantaloup planting nearing completion. Peach trees continued good fruit sets most areas. Very little insect problems. Spraying, thinning continued many orchards. Pecan trees good progress across State. Pre-pollination spraying continued many areas. Webworms infested some groves.

Range and Livestock: Pastures, ranges continued improving wetter regions. Many producers baling wheat, oats not develop well enough for grain. Cutting, baling other hay also active. Livestock continued look good. Market slightly weaker.

UTAH: Several storms hit State, depositing moderate to heavy precipiation southeastern two-thirds, light to moderate northwestern third. Storms brought cold air. Maximums averaged 9o below normal, ranging 14 to 4o below. Minimums averaged 2o below normal, ranging 8o below to 2o above.

Spring grain planting progressed well with spring wheat seeding 70% complete, barley 74%, and oats 51%. Soil moisutre generally good--topsoil short to adquate north central. Frost nipped some alfalfa, winter wheat exteme north. Onion plantings virtually complete. Apricot, early peaches expereinced frost damage midweek. Most fruit in our past full bloom except north. Livestock continued good shape. With calving 84% complete, lambing 77%, shearing 65%. Pastures greening well but most livestock on feed still. Calf, lamb losses minimal.

VIRGINIA: Dry weather persisted through period. Temperature averaged 10o above normal. Highs in 90's common. Showers yielded little rain. Most 0.60 in. southwest. Many areas had no rain.

Topsoil moisture: 98% short, 2% adequate. Days suitable for fieldwork averaged 5.8. Corn planted 45% complete, 31% 1984, 41% avg. Corn replanting southeast due to drought, earlier freeze. Germination slow due to drought. Small grain condition fair; condition deteriorating rapidly as drought persists. Some barley damaged by earlier freeze. Harvesting rye for silage. Hay, pastureland fair, almost poor condition. First cutting hay yields very short. Flue-cured tobacco transplanting began. Irrigating Burley tobacco plantbeds. Peanut planting began 12% complete, 5% 1984, 12% avg. Soybean planting just began, progressing normal. Clear weather encouraging fieldwork; drought inhibiting chemical applications, discouraging planting. Livestock in good condition.

WASHINGTON: Considerable rainfall in western areas second half of week. Very little precipitaiton received east of Cascades. Temperatures dropped to well below seasonal normals.

Cold, dry conditions delayed fieldwork; slowed range, pastures developement. Winter wheat none headed, none 1984, none avg. Freeze in central regions caused blossom damage to fruit trees, injured newly emerged spring grains. Asparagus harvest delayed; dry soil conditions becoming increasing concern to dryland grain growers. Potato planting, other vegetable seeding continued. Livestock good condition, need for supplemental feeding continued. Hay in short supply.

WEST VIRGINIA: Temperatures averaged 8 to 10o above normal. Low 30o Greenbank; high 95o Williamson, Ripley. State's average temperature 63o. Precipitation average 0.38 in. Most rainfall Belington, Elkins 1.10 in.; least Huntington 0.03.

Soil moisture short to adequate. Days suitable for fieldwork averaged 5.5. Planting corn, sowing grains. Feed supplies adequate to short.

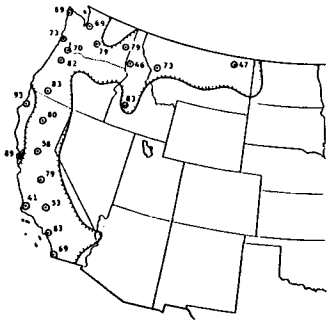
WISCONSIN: Thunderstorms with strong winds, hail in west on 22nd, statewide on 23rd. Precipitation 1.00 to 1.60 in. west, 0.40 to 0.50 in. east. Average temperatures above normal.

Soil moisture 7% short, 63% adequate, 30% surplus. Days suitable for fieldwork 3.5. Spring plowing 30% complete, 36% 1984, 29% avg. Oats seeded 39%, 44% 1984, 35% avg. Corn planted 2%, none 1984, 1% avg. Alfalfa excellent; tobacco beds seeding, covering both growing areas; apples breaking buds.

WYOMING: Average temperatures below normal. Precipitation above average western, southern parts.

Topsoil moisture adequate 52% State. Days suitable for fieldwork 5.0. Spring planting continued ahead of normal. Spring wheat 65% seeded, 35% 1984, 34% avg. Spring wheat 25% emerged, 15% 1984, 13% avg. Oats 45% seeded, 30% 1984, 29% avg. Oats 10% emerged, 8% 1984, 7% avg. Barley 70% seeded, 50% 1984, 55% avg. Barley 35% emerged, 25% 1984, 25% avg. Sugarbeets 85% planted, 50% 1984, 55% avg; emerged 5%, 5% 1984, 6% avg. Corn 15% planted, 5% 1984. Potatoes 30% planted, 10% 1984. Winter wheat fair to mostly good condition; wind, freeze damage mostly light to none. Alfalfa prospects mostly good. Livestock mostly good condition. Spring calves born 80%, 75% 1984, 77% avg. Farm flock: Ewes lambed 90%; shorn 85%. Range sheep: Ewes lambed 55%; shorn 60%. Calf, lamb losses light to normal. Range, pasture mostly fair to good.

EAST AND WEST COAST DROUGHTS



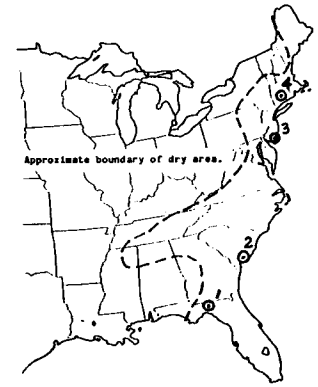
Approximate extent of dry region. Percent of normal precipitation between 8 July, 1984 and 13 April, 1985 is plotted.

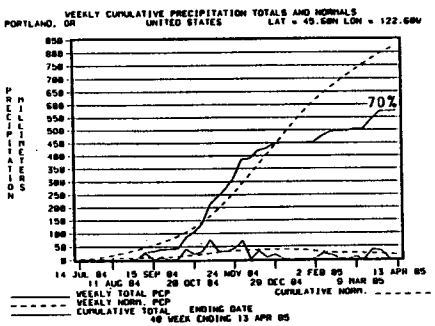
In the Pacific Coast States, most of the precipitation normally occurs during the cool half of the year. The 1984-85 seasonal precipitation has been significantly less than normal along most of the Pacific Coast as well as over much of the interior Northwest eastward into Montana.

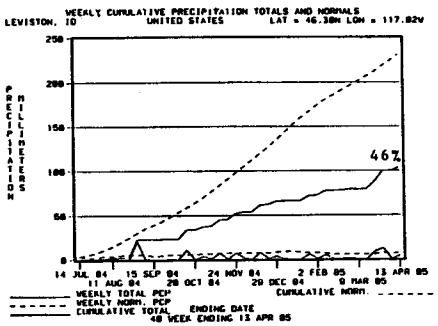
Although precipitation was generous over most of the area in November and December, an unusually dry January initiated a drier regime that has persisted in most sections until the present. Except for eastern Montana (where a warm season precipitation maximum is normal), the approach of the normally dry season means that significant relief is not likely until fall, 1985 at the earliest.

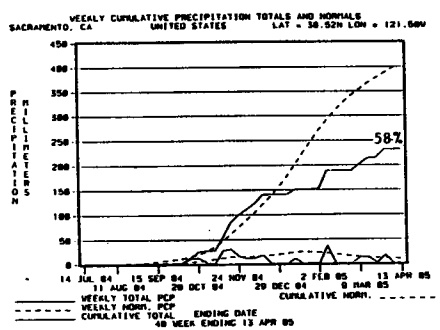
Weekly and cumulative precipitation, compared to normal amounts, are shown below for three representative West Coast cities as well as for Lewiston, ID, where the moisture deficiency has been especially severe.

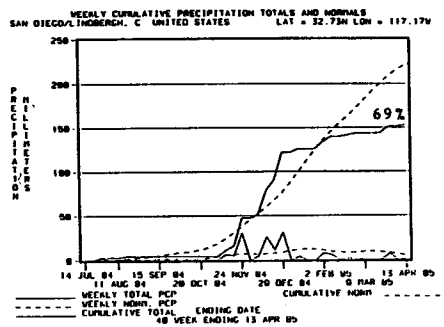
Starting in late summer or fall, 1984, precipitation at several locations along and near the U.S. East Coast has been consistently below normal, resulting in the development of long-term drought conditions. Weekly and cumulative precipitation, compared to normal amounts, are shown below for four of the most adversely affected cities in the area, stretching from Florida to New England. The graphs are labeled with the percent of normal precipitation that has occurred during the last 40 weeks. Note that 50 mm is approximately equal to 2 inches of precipitation.











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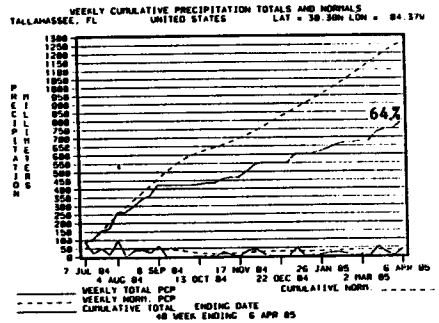

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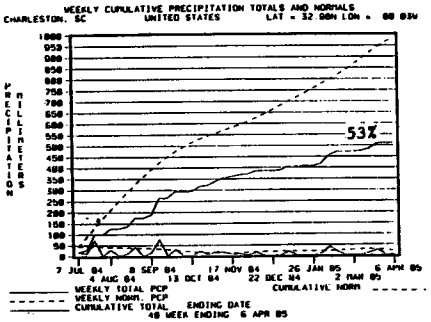

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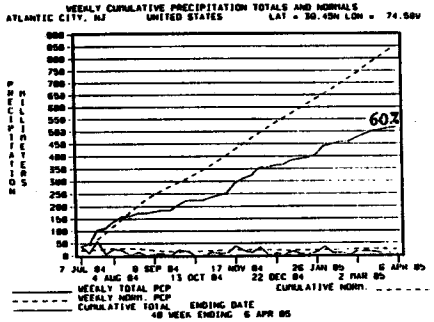

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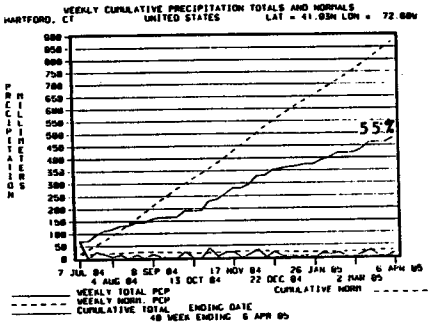
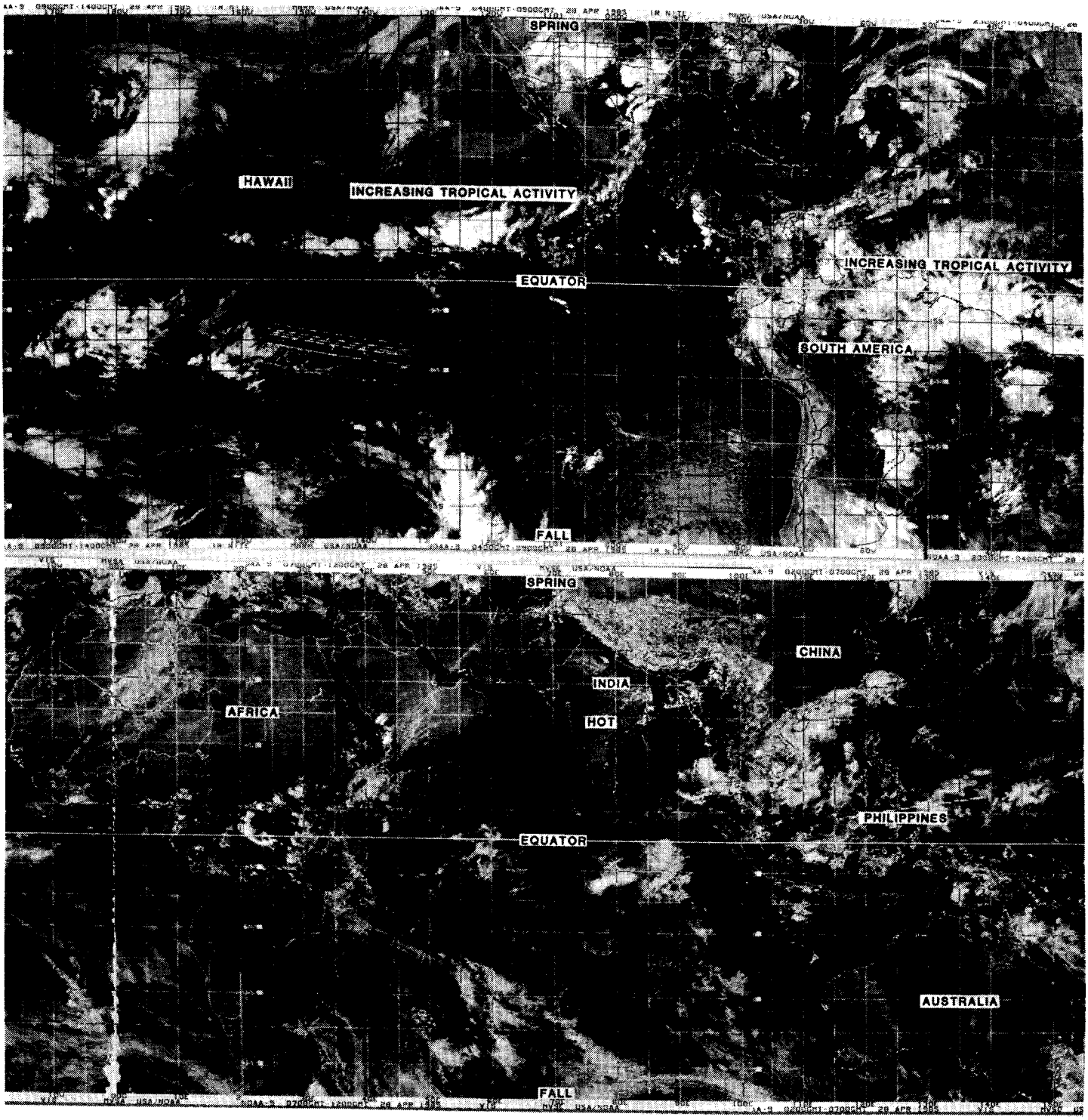


GLOBAL WEATHER SATELLITE PHOTO

April 28, 1985



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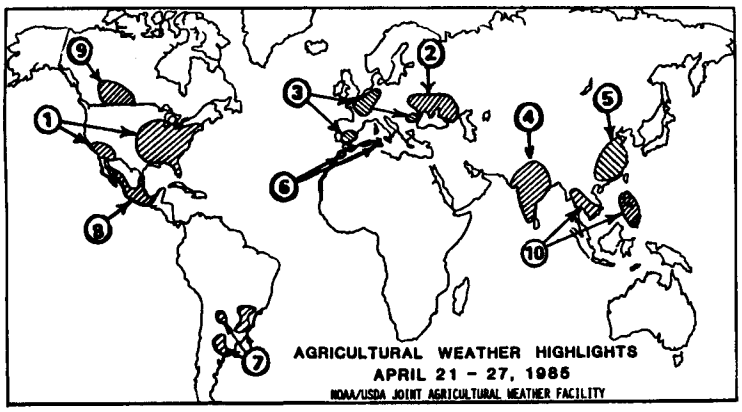
APRIL 21-27,1985



HIGHLIGHTS:

1. UNITED STATES ... The east coast drought intensifies, slowing germination and crop growth and lowering reservoirs and streamflows. Rains over most of the Great Plains and Mississippi Valley slows fieldwork but maintains soil moisture. High winds and blowing sand damage some southwestern crops.

2. WESTERN USSR ... Moderate rain slows spring planting in the western Ukraine. Winter grains are in the vegetative stage in the south and are dormant in the north.

3. EUROPE ... Beneficial rain aids winter grains in Spain, but southeastern Romania continues too dry for crop development. Cold weather returned to northern and central Europe later in the week.

4. SOUTH ASIA ... Seasonal premonsoon weather covers the region while wheat harvesting continues in the north.

5. EASTERN ASIA ... Moderate rain and warmer temperatures benefit winter wheat and summer crop planting in the North China Plain.

6. NORTHWESTERN AFRICA ... Showers in Morocco provide some relief to stressed winter grains in the filling stage. Generally favorable weather continues in Algeria and Tunisia.

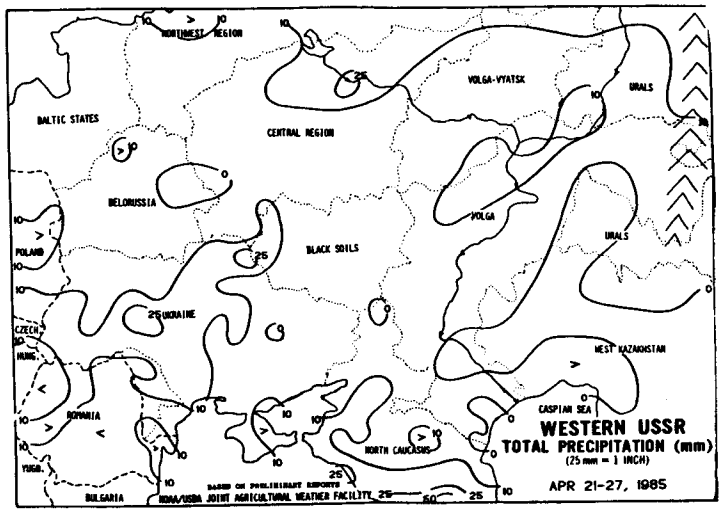
7. SOUTH AMERICA ... Drier weather favors increased soybean harvesting in Brazil following the earlier rains. Mostly favorable harvest weather continues in Argentina.

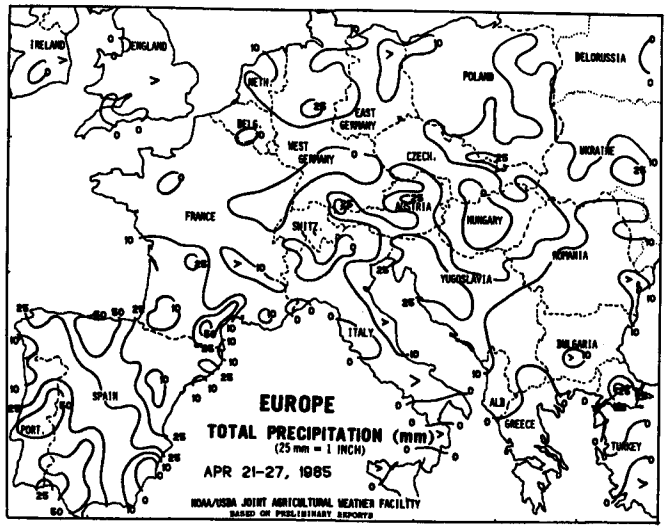
8. MEXICO ... Continued mostly dry weather favors fieldwork but depletes soil moisture.

9. CANADA ... Beneficial moisture falls over the western two-thirds of the Prairie Provinces, with spring wheat planting soon to begin in the south. Dry weather prevailed along the Saskatchewan-Manitoba border.

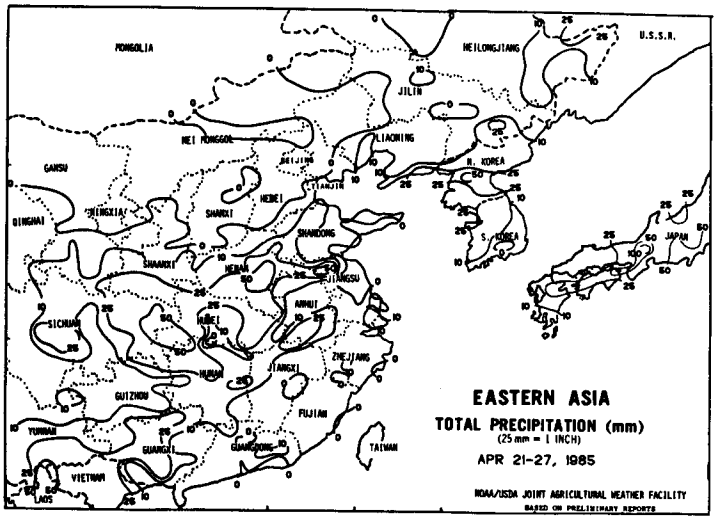
10. SOUTHEAST ASIA ... Moderate to heavy rain aids rice planting in Indochina and the Philippines.

WESTERN USSR...Moderate rain (10-25mm) slowed spring seeding over the western Ukraine, while light scattered showers slightly delayed fieldwork in the eastern Ukraine, the lower Volga Valley, and the North Caucasus. Winter grains are in the vegetative stage in the south and are likely breaking dormancy about 1 to 2 weeks later than usual in the Black Soils and middle Volga Valley. Normally, winter grains break dormancy across all of the region by the end of April. Winter grains in the Northwest Region, central Region, and Volga Vyatsk remain dormant. Temperatures averaged near normal in most of the region, but below normal in the northwest. Moderate rain in the eastern New Lands will benefit next month's planting.

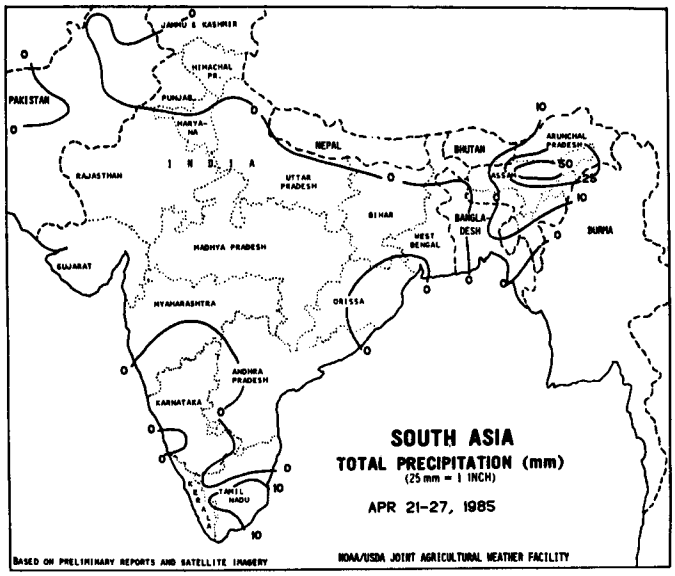




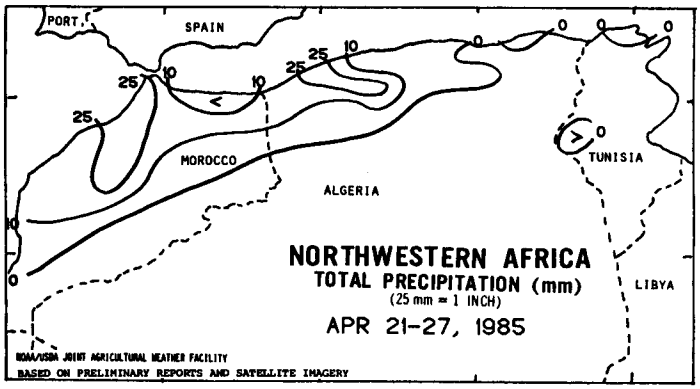
EUROPE...Mostly dry weather over England and France favored spring crop planting while the light showers (1-16mm) across all of northern Europe helped winter grains in the vegetative stage. Beneficial showers fell over Spain's winter grain areas, which had been too dry for crop development. In southern Spain, timely rain (25-70mm) aided heading and early grain development while substantial showers (15-50mm) over northern crop areas improved vegetative growth conditions. Elsewhere, showers (10-20mm) in eastern Poland helped winter grains in the vegetative stage, while light showers (1-8mm) in western Poland, Czeckoslavakia, and Hungary allowed spring fieldwork. Significant rain (20-40mm) fell over Yugoslavia but only light showers fell over Romania and Bulgaria. Southeastern Romania is especially dry for crop development. Cold weather returned to northern and central Europe later in the week, slowing crop development.



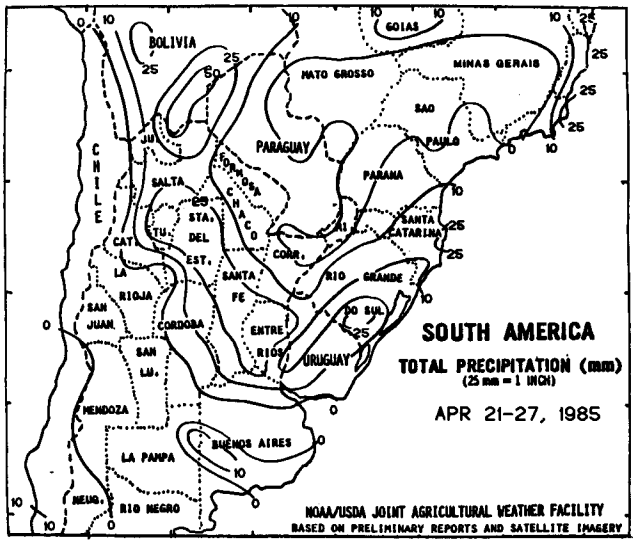
EASTERN ASIA...The precipitation pattern shifted slightly to the north. Light showers covered the southern rice region where moisture supplies are adequate. Intermediate rice planting may be slightly behind normal because earlier cool weather slowed early rice planting. A band of moderate to heavy rain (25-75mm) fell from eastern Sichuan through southern Henan and northern Anhui. Lighter showers (5-15mm) spread into Shandong. The moisture benefited winter wheat nearing the heading stage and summer crop planting in the North China Plain. Above-normal temperatures in eastern China accelerated crop development, which was slowed by earlier cool weather.



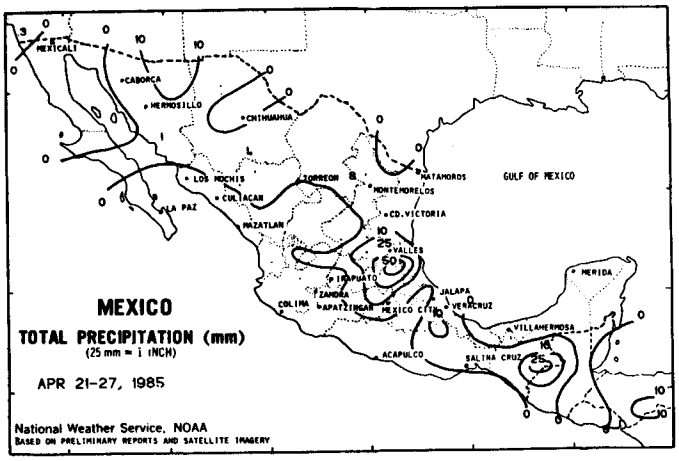
SOUTH ASIA...The region's weather changed very little from last week. Moderate rain fell in the east, while hot, dry weather covered central India. Very light showers (1-5mm) fell in northern Pakistan and India but did not significantly slow wheat harvesting.



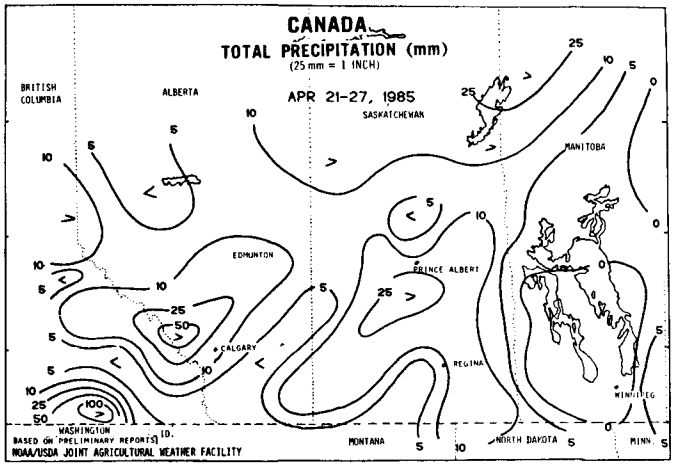
NORTHWESTERN AFRICA ... Showers fell over most winter grain areas of Morocco and northwestern Algeria while dry weather prevailed over crop areas of eastern Algeria and Tunisia. Persistent dryness during heading and grain filling stressed Moroccan winter crops. The recent moisture provided some relief to immature grains and slowed further deterioration in the yeild potential, especially in northern crop areas. The rain in northwestern Algeria benefited grain filling. The dryness further east promoted grain development. Moisture supplies have been favorable for winter grains during most of the season in Algeria and Tunisia.



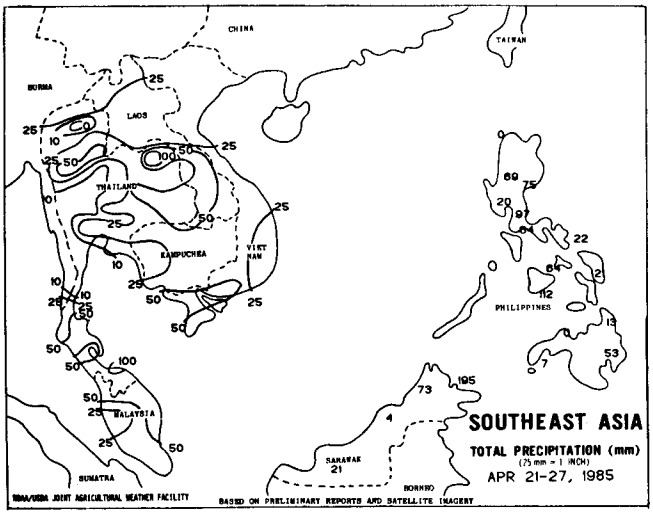
SOUTH AMERICA...Brazil's weather turned more favorable for soybean harvesting. Mostly dry weather covered Mato Grosso do Sul, southern Minas Gerais, Sao Paulo, Parana, and western Santa Catarina. In Rio Grande do Sul, where persistent wetness delayed harvesting since mid-March, some scattered showers fell during mid-week, but the mostly dry weather allowed substantial improvement in harvest conditions. Continued dry weather will be needed to make up for the considerable harvest lag in the south. Argentina's summer crop harvesting progressed well, with only minor interruptions due to scattered showers in Santa Fe. Mostly dry weather covered the remaining areas, including northern cotton areas. Corn, sorghum, and sunflower harvesting pushed over 70, 50, and 80 percent complete, respectively. Soybean harvesting is still in its early stages.



MEXICO...Seasonal sunny, dry weather dominated most of the country, benefiting fieldwork but depleting soil moisture. Slightly warmer-than-usual temperatures favored rapid development of northwestern corn, which is in the tasseling and peak water use stage. Slightly cooler-than-normal temperatures may slow northwestern wheat ripening. Occasional rains over the northeastern part of the southern Plateau corn belt should keep young corn growing well. The rest of the corn belt remains dry, delaying germination in nonirrigated fields.



CANADA...Some rain or snow fell over the western two-thirds of the Prairie Provinces and over extreme eastern spring grain areas of Manitoba. Weekly precipitation generally averaged 8-26mm, except in east-central Saskatchewan where it was less than 5mm. Dry weather prevailed along the Saskatchewan-Manitoba border. Weekly temperatures averaged near to slightly above normal in Manitoba and Saskatchewan while below normal temperatures occurred in Alberta. Precipitation during the 2 weeks greatly benefited topsoils for spring crop planting and germination. Topsoil moisture in the southeastern Prairie crop areas may be somewhat deficient. Spring wheat planting should begin very soon in southern crop areas.



SOUTHEAST ASIA...Rainfall increased substantially in Indochina during the last 3 weeks. Moderate to heavy rain (50-100mm) continued to benefit rice planting in eastern Thailand. Moderate rain also fell in the major south-central rice producing region near Bangkok. The light showers (mostly less than 10mm) which fell in central Thailand's corn region allowed planting to progress slowly. Temperatures averaged favorably below normal in Thailand, reducing evaporation. Benefical rain (25-95mm) fell in much of the Philippines as upland rice planting is likely beginning in Luzon.

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