WEEKLY WEATHER AND CROP BULLETIN

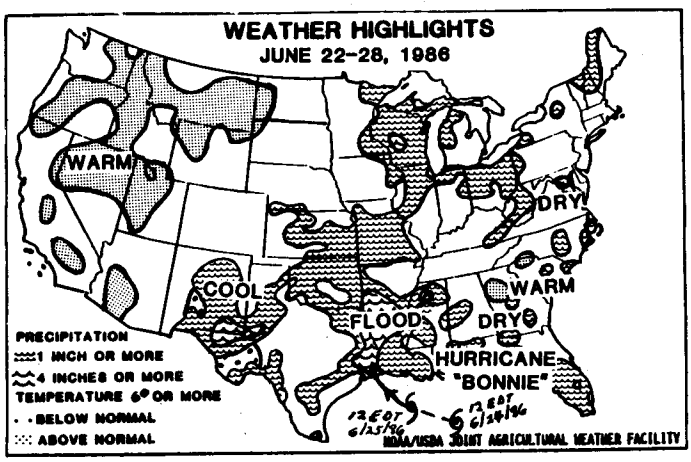
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

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

Volume 73, No. 26 | Washington, D.C. | July 1, 1986

National Weather Summary

June 22 to 28, 1986



HIGHLIGHTS: The seasonal flow of moisture into the Southwest helped cause thunderstorms throughout that area. Heavy thunderstorms developed through New Mexico, but the most intense storms were in southeastern New Mexico. These storms spread along a line from southeastern New Mexico to the Great Lakes. Showers were welcomed in eastern North Carolina and central South Carolina and in parts of Georgia, but much of the Southeast from Virginia to Alabama remained dry. Tropical Storm Bonnie developed in the Gulf of Mexico and intensified to hurricane strength on Thursday. Hurricane Bonnie went ashore in southeastern Texas and spread high winds, heavy rain, and intense thunderstorms all along the eastern Texas border. Remnants of the storm triggered heavy rain across southern Arkansas and northern Louisiana and then spread into north central Mississippi. Temperatures were cooler than normal in the Northeast and much cooler in New Mexico and southwestern Texas.

SUNDAY...Showers associated with thunderstorms covered Florida and all along the gulf coast. A line of showers and thunderstorms reached from western Texas and New Mexico northeastward to the Great Lakes and from the upper Ohio Valley to western New England. Much of the Nation was warmer than normal, but cool air covered the central Rockies and upper Mississippi Valley.

MONDAY...Thunderstorms continued over southern Florida and across southern Texas. Thunderstorms with occasional severe weather reached from western Texas into the central Great Plains, and lighter storms spread from Arkansas into Virginia and Maryland. Showers covered the Great Lakes region and most of New England.

TUESDAY...Showers and thunderstorms were isolated across the South from Texas through Florida but more concentrated along the North Carolina coast and from West Virginia to New Jersey and northward through New York and New England. Heavy thunderstorms covered much of New Mexico and lighter storms covered the Southwest. Unusually warm weather spread from the West over the northern Plateau to the northern High Plains. Tropical Storm Bonnie developed in the Gulf of Mexico.

WEDNESDAY...Thunderstorms were scattered through the South but were more concentrated in the New Mexico, Colorado, and Arizona. Showers spread over the northern Plains and upper Great Lakes. Record-low temperatures covered the Great Lakes region. Bonnie intensified to hurricane strength and was moving toward southeastern Texas.

THURSDAY...Showers and thunderstorms covered an area from eastern New Mexico and Colorado to the Great Lakes and western New England. Hurricane Bonnie moved ashore in the southeastern corner of Texas and spread high winds, heavy rain, and intense thunderstorms. The storm was soon downgraded to tropical storm status, but it continued to spread intense thunderstorms along its track to southwestern Arkansas.

FRIDAY...The remnants of Bonnie spread severe thunderstorms over parts of Louisiana, Texas, Arkansas, and finally into north central Mississippi. Elsewhere, severe weather developed along a line from northeastern Oklahoma and southeastern Kansas to central Illinois, the upper Ohio Valley, Pennsylvania, and western New York. Unusually cold weather covered the Northeast.

SATURDAY...Showers and thunderstorms developed from the lower Mississippi Valley to New England and to the Atlantic coast. The heaviest showers were in the lower Mississippi Valley and in eastern North Carolina. Showers spread over the Northwest and thunderstorms developed in the northern High Plains.

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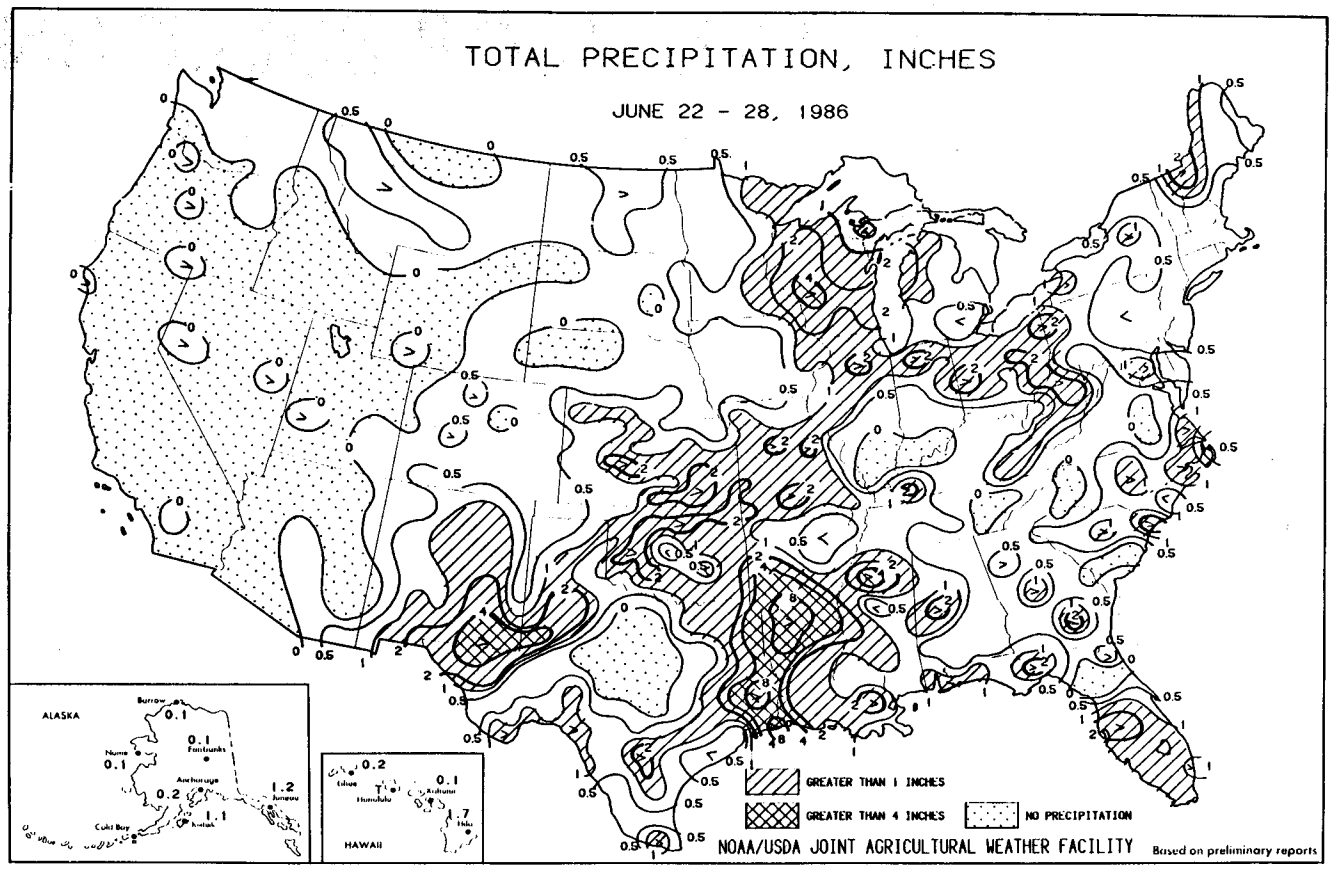
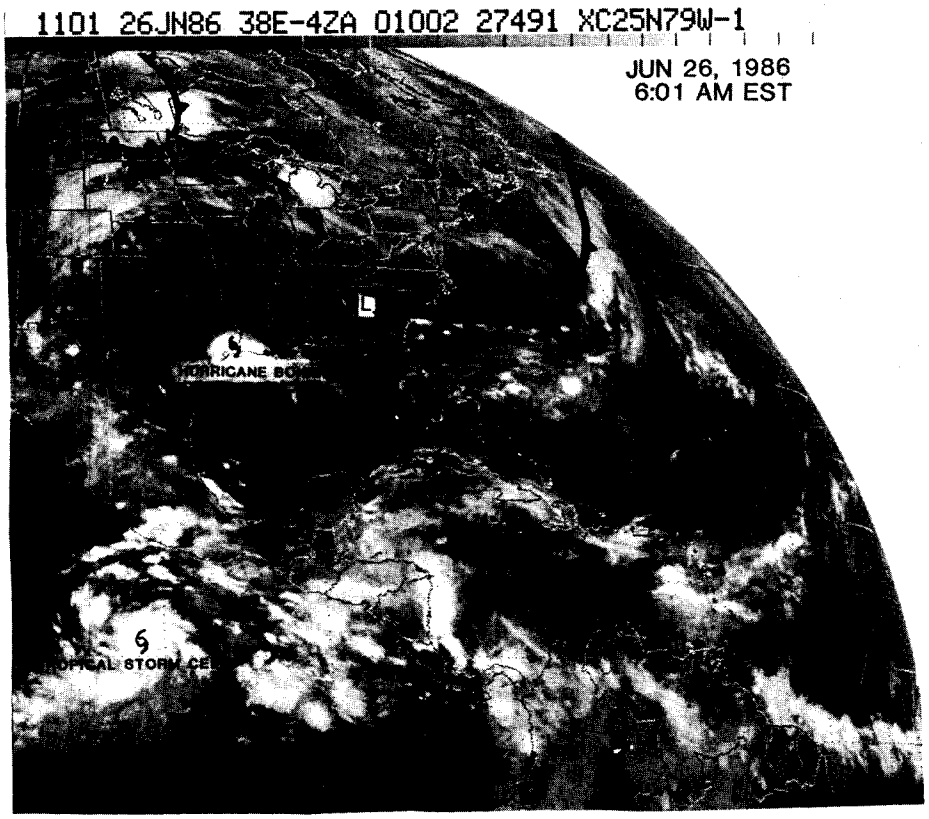
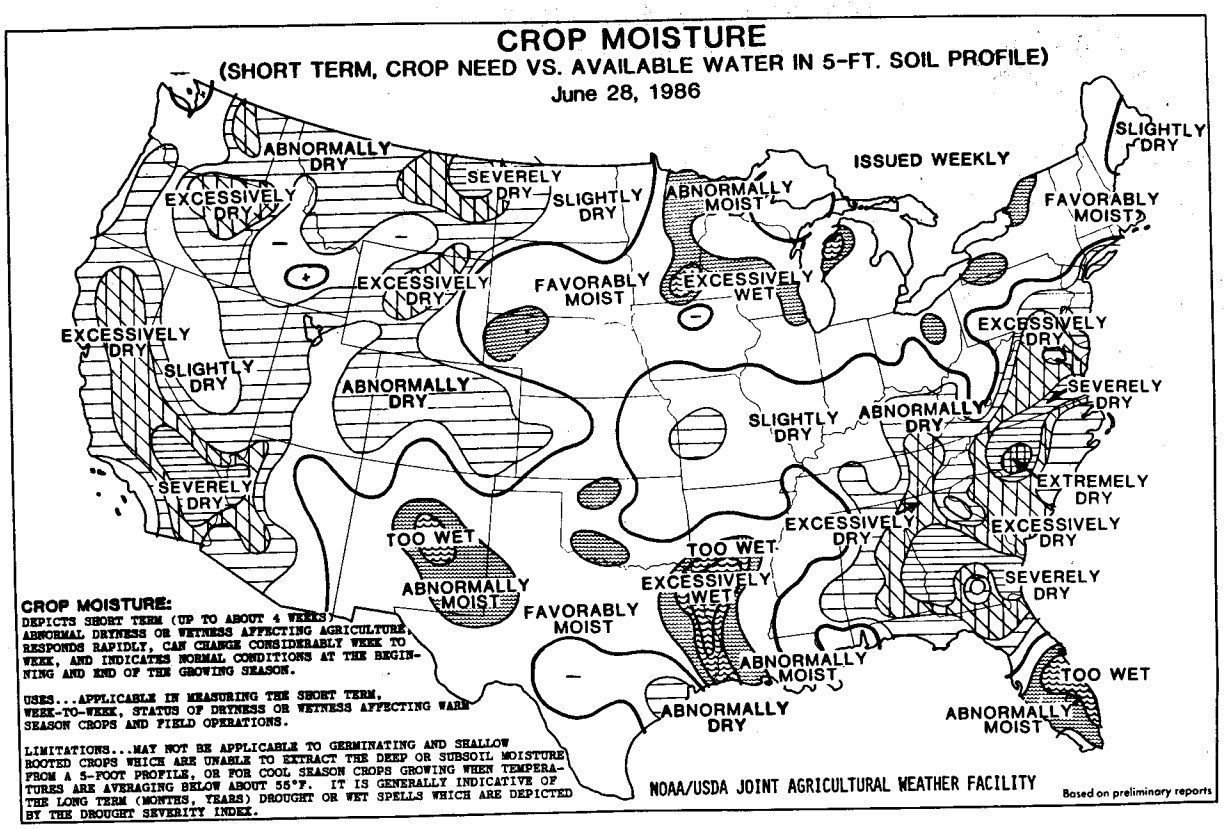
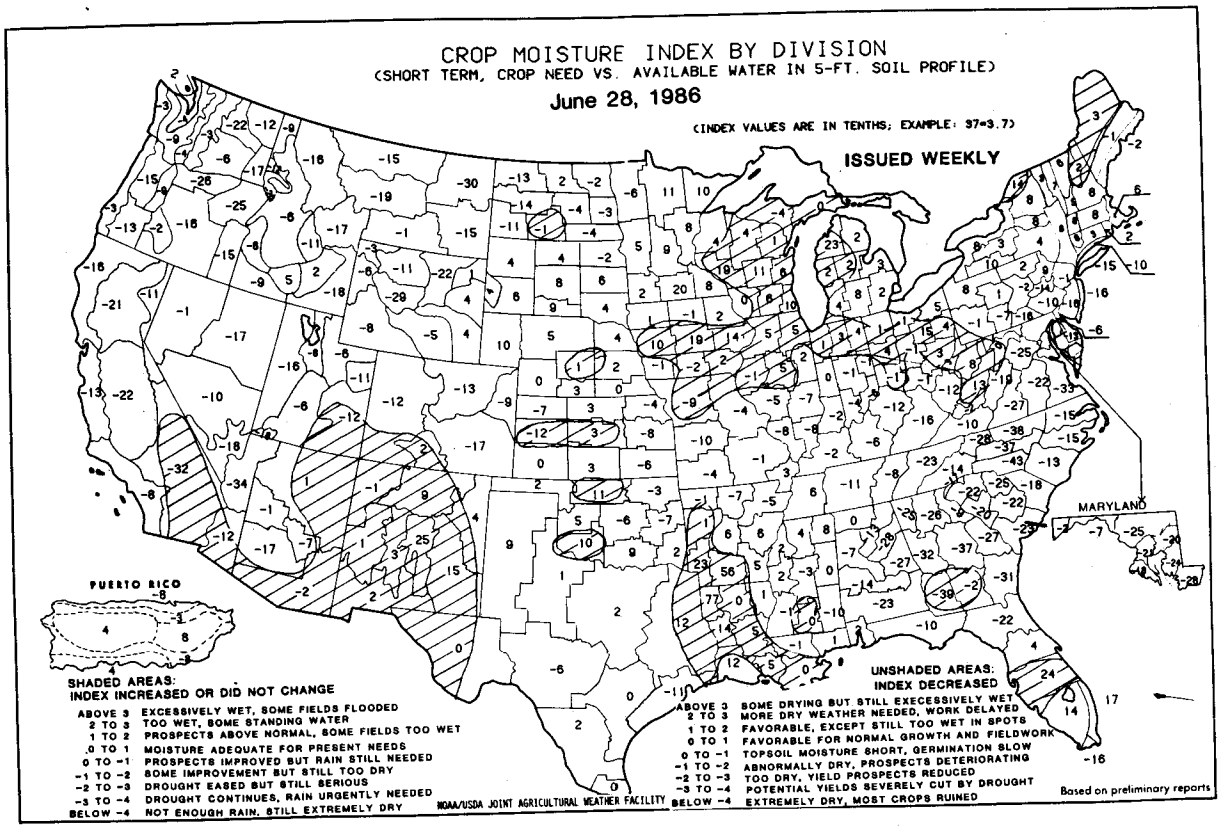


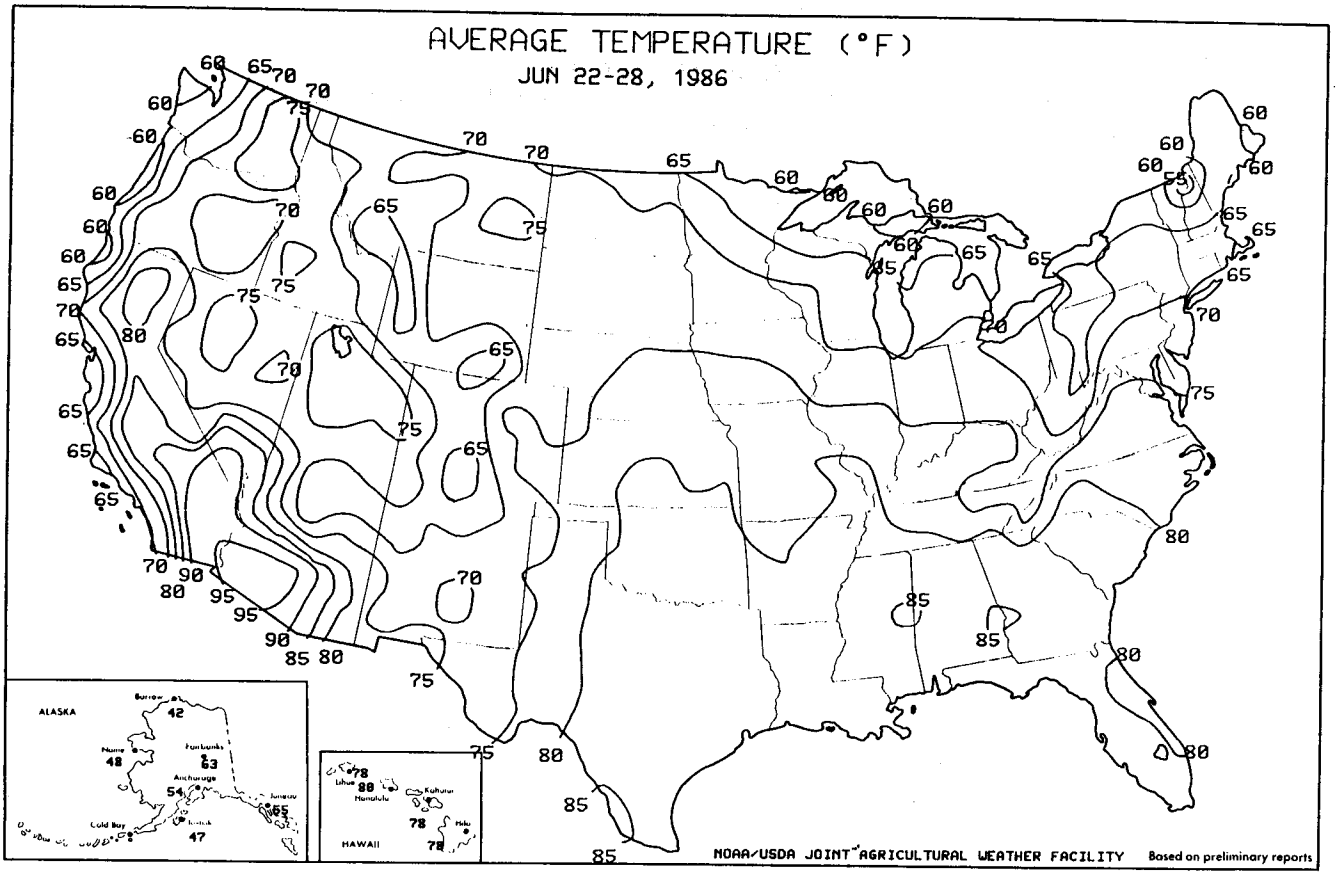


HURRICANE BONNIE, THE FIRST OF THE SEASON IN THE GULF OF MEXICO, MOVES ASHORE INTO EASTERN TEXAS. REMNANTS OF THE STORM CAUSED TORRENTIAL RAINS ACROSS EASTERN TEXAS, SOUTHERN ARKANSAS, AND NORTHERN LOUISIANA.

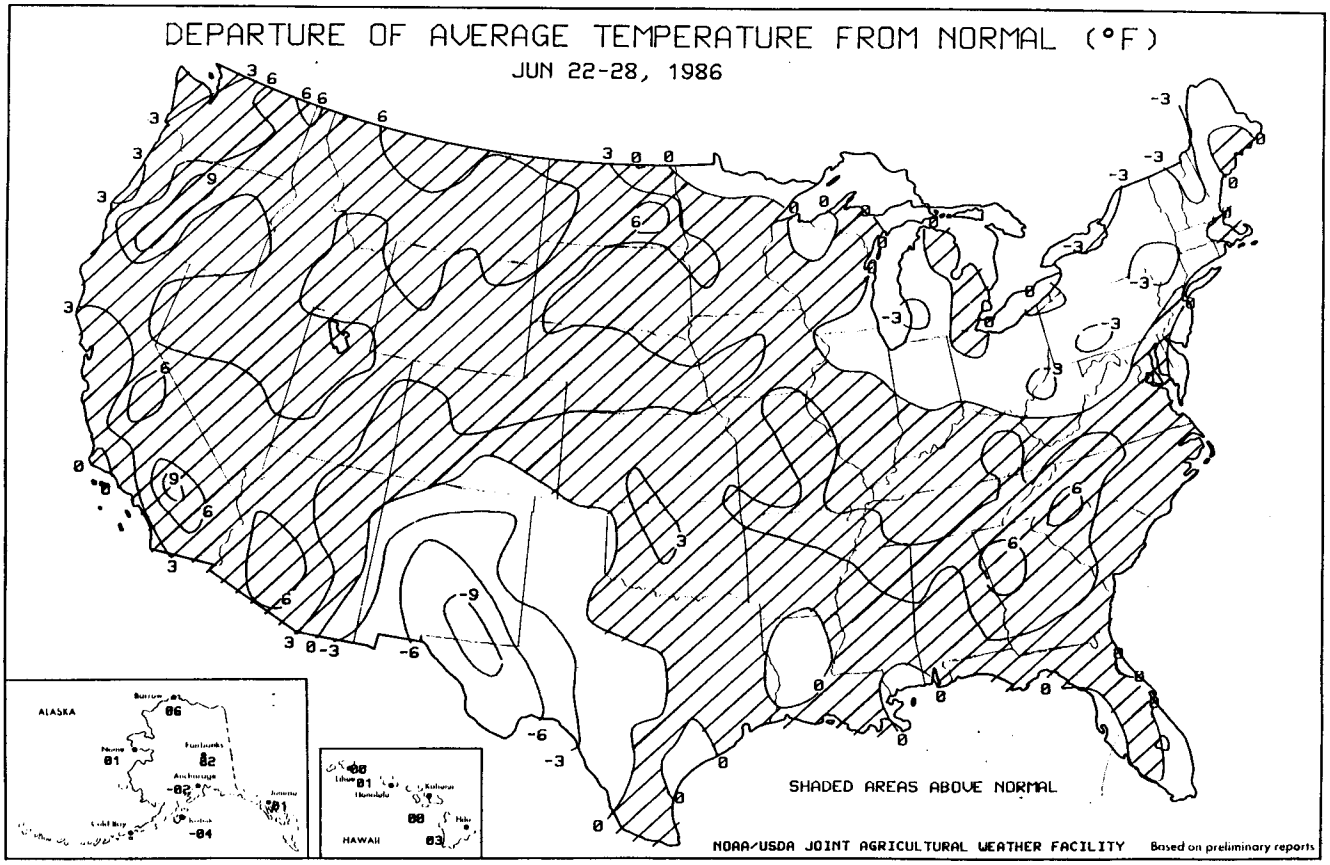
TROPICAL STORM CELIA MOVES NORTHWESTWARD ALONG THE PACIFIC COAST OF MEXICO.

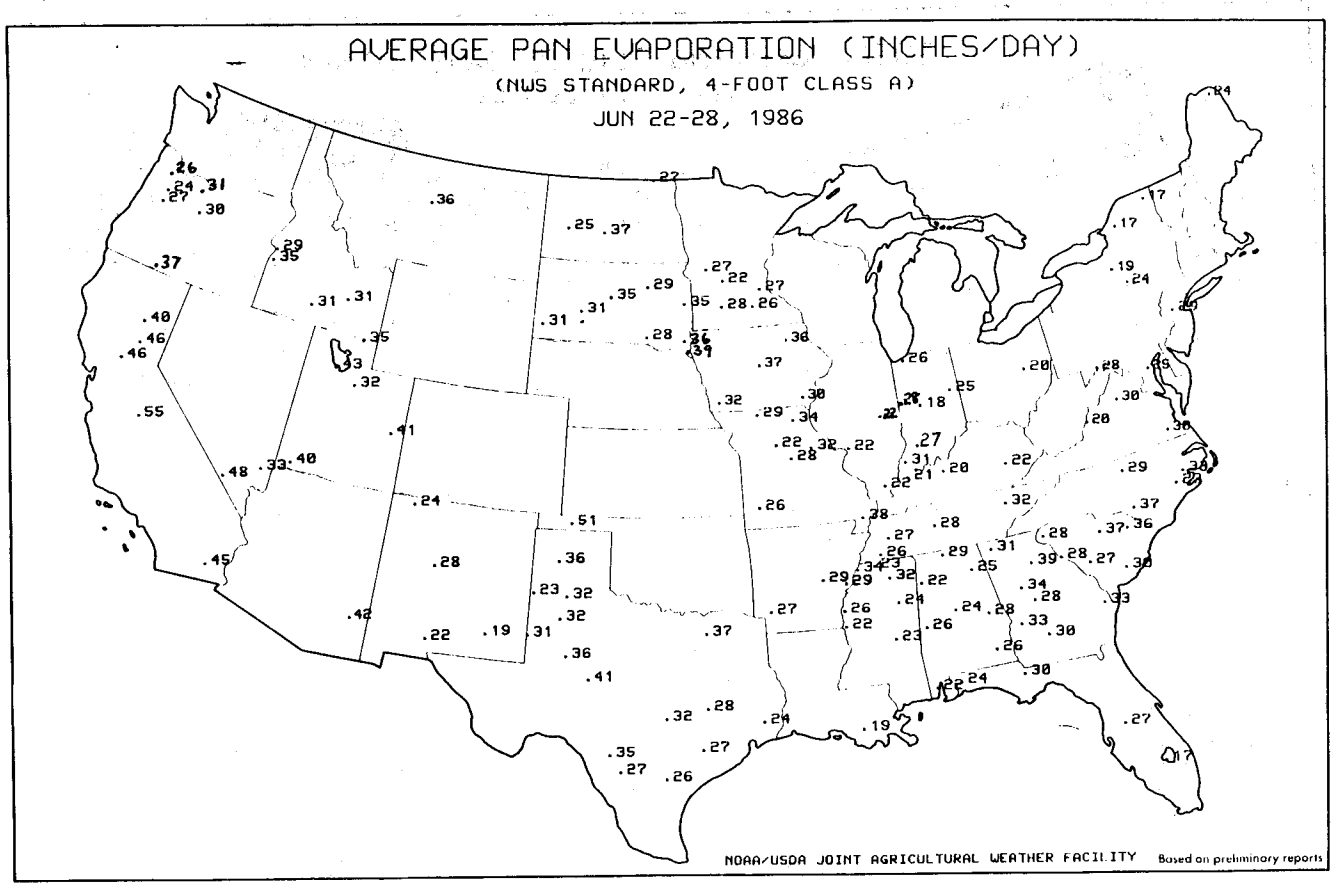

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
June 28, 1986
ISSUED WEEKLY
ABNORMALLY DRY
EXCESSIVELY DRY
SEVERELY DRY
SLIGHTLY DRY
ABNORMALLY MOIST
FAVORABLY MOIST
EXCESSIVELY WET
SLIGHTLY DRY
FAVORABLY MOIST
EXCESSIVELY DRY
SLIGHTLY DRY
ABNORMALLY DRY
SEVERELY DRY
SLIGHTLY DRY
ABNORMALLY DRY
EXCESSIVELY DRY
SEVERELY DRY
EXTREMELY DRY
EXCESSIVELY DRY
EXCESSIVELY DRY
SEVERELY DRY
TOO WET
ABNORMALLY MOIST
FAVORABLY MOIST
TOO WET
EXCESSIVELY WET
ABNORMALLY MOIST
ABNORMALLY DRY
TOO WET
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 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

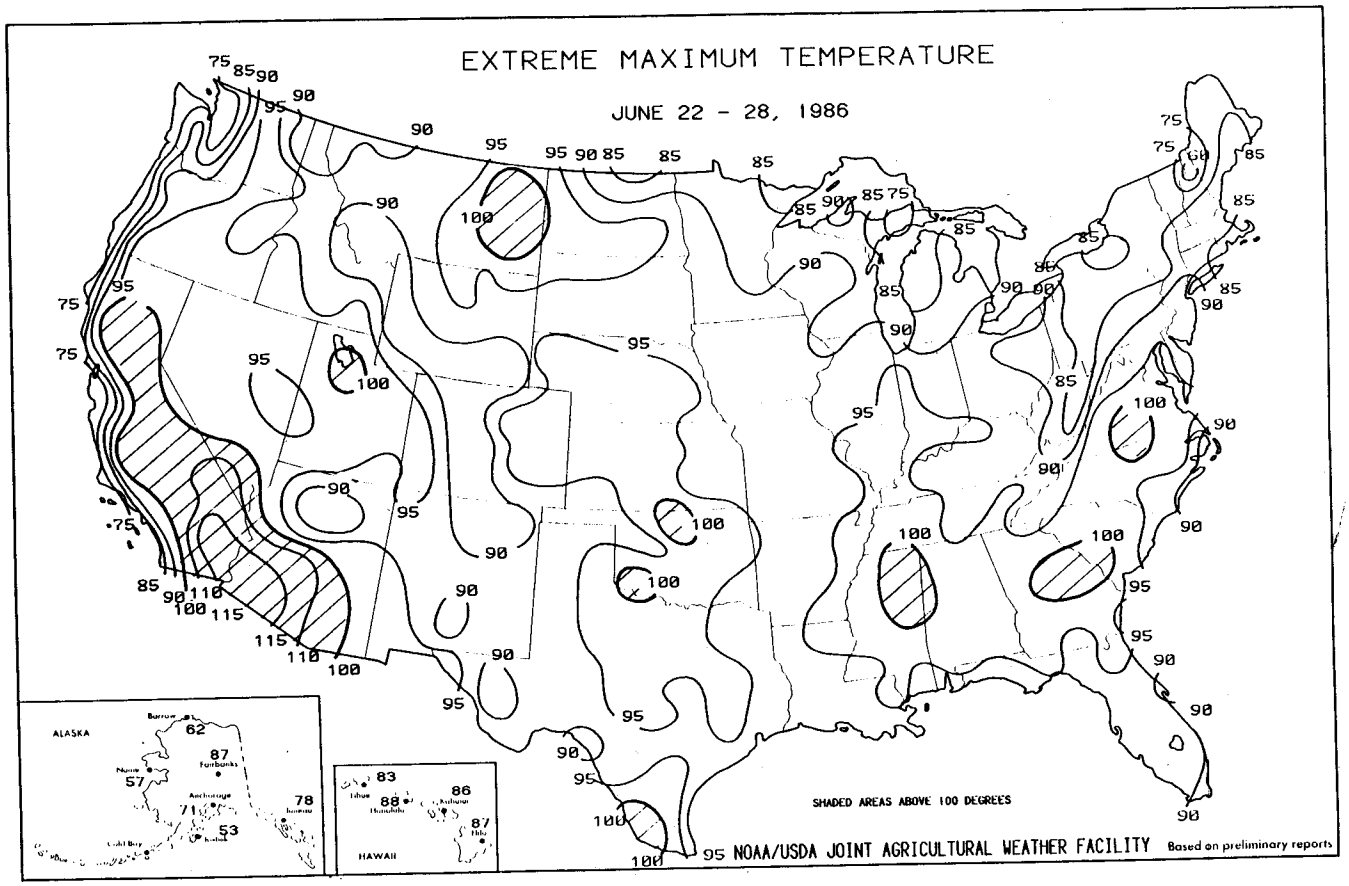

CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
June 28, 1986
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED WEEKLY
MARYLAND
PUERTO RICO
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, 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

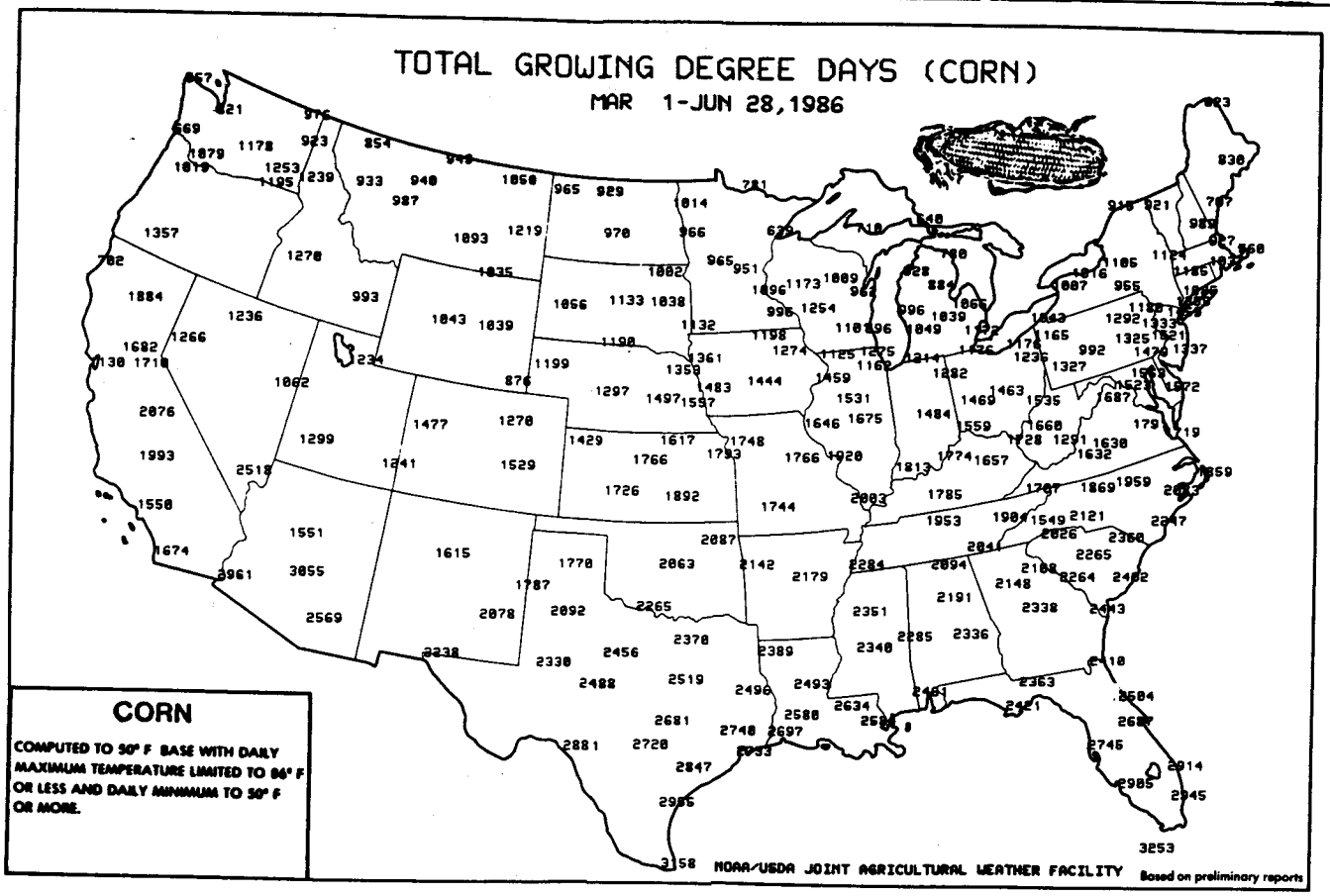


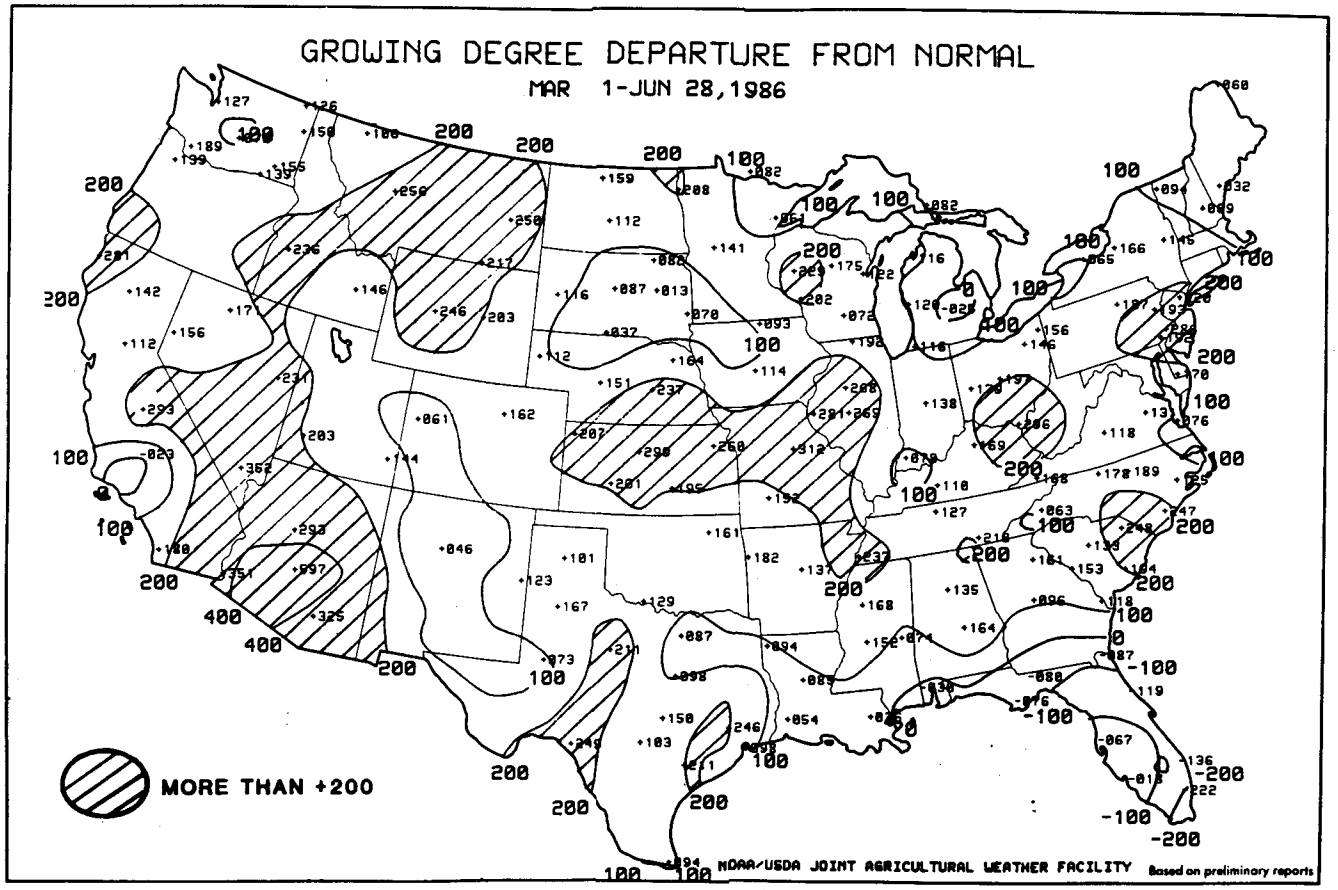
Point values may differ on these computerized maps from the reported values in the tables.




AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
JUN 22-28, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


EXTREME MAXIMUM TEMPERATURE
JUNE 22 - 28, 1986
SHADED AREAS ABOVE 100 DEGREES
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


TOTAL GROWING DEGREE DAYS (CORN)
MAR 1-JUN 28,1986
CORN
COMPUTED TO 50° F BASE WITH DAILY MAXIMUM TEMPERATURE LIMITED TO 86° F OR LESS AND DAILY MINIMUM TO 50° F OR MORE.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


GROWING DEGREE DEPARTURE FROM NORMAL
MAR 1-JUN 28,1986
MORE THAN +200
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

National Weather Data for Selected Cities

Weather Data for the Week Ending June 28, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 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	93	69	96	66	81	2	.6	-.3	.6	2.0	60	11.5	39	94	46	6	0	2	1
MOBILE	92	72	95	71	82	1	1.2	-.1	1.2	6.2	133	23.9	76	95	51	7	0	1	1
MONTGOMERY	96	71	98	68	83	3	.3	-.6	.3	1.3	40	23.0	88	92	41	7	0	1	0
AK ANCHORAGE	61	47	71	41	54	-2	.2	-.1	.1	.3	34	3.7	80	83	49	0	0	2	0
BARROW	50	34	62	29	42	6	.1	-.1	0	.1	21	.6	46	96	60	0	3	2	0
FAIRBANKS	74	52	87	47	63	2	.1	-.3	0	.9	71	2.1	62	77	27	0	0	2	0
JUNEAU	63	47	78	43	55	1	1.2	.5	.7	2.7	98	25.0	126	97	56	0	0	3	1
KODIAK	50	44	53	41	47	-4	1.1	.5	.9	11.8	370	37.7	110	96	75	0	0	3	1
NOME	53	43	57	40	48	1	.1	-.2	.1	.2	22	2.0	48	96	69	0	0	4	0
AZ PHOENIX	108	84	112	78	96	7	T	-.1	T	T	7	2.9	107	31	12	7	0	0	0
PRESCOTT	96	58	100	52	77	7	T	-.2	T	.9	209	4.4	68	47	15	7	0	1	0
TUCSON	105	75	108	69	90	5	T	-.1	T	.1	40	3.9	139	47	13	7	0	1	0
YUMA	109	79	115	71	94	5	0	0	0	0	0	.5	50	44	15	7	0	0	0
AR FORT SMITH	93	71	95	69	82	2	1.4	.6	.9	3.2	92	20.9	101	99	52	7	0	2	1
LITTLE ROCK	90	73	94	71	81	2	.5	-.2	.3	5.0	171	22.0	87	88	65	5	0	3	0
CA BAKERSFIELD	100	68	103	63	84	3	0	0	0	0	0	4.3	110	56	19	7	0	0	0
EUREKA	65	53	67	50	59	4	0	-.1	0	.2	39	27.4	123	96	73	0	0	0	0
FRESNO	103	68	106	65	85	8	0	0	0	0	0	9.7	137	60	17	7	0	0	0
LOS ANGELES	72	60	81	59	66	-1	0	0	0	T	0	12.9	154	91	66	0	0	0	0
RED BLUFF	98	67	105	60	82	4	0	-.1	0	0	0	21.9	170	63	20	5	0	0	0
SACRAMENTO	93	58	103	52	75	2	0	0	0	0	0	16.3	152	84	28	4	0	0	0
SAN DIEGO	74	63	79	62	69	1	0	0	0	T	0	7.6	123	89	65	0	0	0	0
SAN FRANCISCO	71	54	77	51	63	1	0	0	0	T	0	18.6	149	95	55	0	0	0	0
CO DENVER	89	60	99	55	75	5	T	-.4	T	1.1	72	6.2	76	64	20	3	0	0	0
GRAND JUNCTION	90	62	97	57	76	1	T	-.1	T	.2	36	2.6	68	47	18	5	0	0	0
PUEBLO	90.	58	98	55	74	0	.3	0	.3	1.4	132	3.5	73	81	24	4	0	1	0
CT BRIDGEPORT	79	58	89	50	68	-2	.5	-.3	.3	2.8	104	13.1	66	85	49	0	0	4	0
HARTFORD	82	55	88	46	69	-2	.3	-.5	.1	7.0	220	21.9	102	85	39	0	0	3	0
DC WASHINGTON	88	66	94	59	77	1	.5	-.3	.3	1.3	41	10.6	58	83	35	4	0	3	0
FL APALACHICOLA	90	73	93	70	82	1	.2	-1.1	.2	2.0	44	18.0	83	94	62	5	0	1	0
DAYTONA BEACH	88	70	91	67	79	-1	T	-1.5	T	3.1	51	14.7	73	99	62	1	0	1	0
JACKSONVILLE	93	70	97	65	81	1	.1	-1.2	.1	2.4	48	19.9	85	96	46	5	0	2	0
KEY WEST	88	77	90	73	83	-1	2.7	1.6	1.2	4.2	89	10.4	72	88	61	1	0	4	3
MIAMI	88	74	91	73	81	-1	.9	-1.2	.7	8.9	103	35.2	145	94	62	1	0	4	1
ORLANDO	91	72	93	70	82	0	.7	-1.2	.6	9.5	139	22.5	107	97	51	5	0	2	1
TALLAHASSEE	95	68	97	66	82	1	2.9	1.2	2.6	8.9	148	25.4	83	99	38	7	0	3	1
TAMPA	90	73	93	71	81	-1	3.3	1.9	1.6	4.7	97	16.1	86	96	55	6	0	5	2
WEST PALM BEACH	87	73	88	72	80	-1	1.1	-.7	.5	9.0	121	24.3	98	97	64	0	0	6	1
GA ATLANTA	96	71	98	68	83	6	.7	-.1	.4	2.1	68	13.1	49	82	33	7	0	2	0
AUGUSTA	98	70	101	62	84	5	.2	-.7	.2	1.2	33	12.2	52	91	36	7	0	2	0
MACON	98	71	101	68	84	4	1.2	.3	.9	2.2	62	13.4	54	90	34	7	0	3	1
SAVANNAH	94	72	98	67	83	3	.1	-1.4	.1	3.1	58	15.7	68	91	45	6	0	1	0
HI HILO	85	70	87	69	78	3	1.7	.2	.5	7.2	127	81.1	126	93	55	0	0	6	0
HONOLULU	87	73	88	71	80	1	T	-.1	T	.3	68	3.2	24	81	49	0	0	1	0
KAHULUI	84	72	86	70	78	0	.1	0	0	.2	84	10.2	82	85	58	0	0	2	0
LIHUE	83	73	83	68	78	0	.2	-.2	.2	1.4	90	8.8	39	88	64	0	0	1	0
ID BOISE	95	59	99	48	77	8	0	-.2	0	.4	38	9.7	137	53	14	6	0	0	0
LEWISTON	92	60	97	51	76	7	T	-.3	T	.2	11	5.6	78	57	18	4	0	0	0
POCATELLO	91	51	95	44	71	5	T	-.2	T	.3	33	9.4	149	79	20	5	0	0	0
IL CHICAGO	80	58	90	41	69	-2	.8	-.2	.6	2.8	74	12.2	76	92	49	1	0	3	1
MOLINE	85	63	93	52	74	1	.8	-.2	.7	3.0	74	15.9	89	89	49	1	0	3	1
PEORIA	84	62	91	50	73	0	1.3	.4	1.3	6.1	167	13.3	78	93	54	1	0	1	1
QUINCY	85	66	91	56	75	1	.6	-.4	.6	4.6	122	14.6	82	91	52	1	0	2	1
ROCKFORD	81	59	90	46	70	-1	1.1	0	.6	3.0	71	13.9	80	94	53	1	0	3	1
SPRINGFIELD	86	65	93	51	75	0	1.5	.6	1.5	6.2	179	13.6	79	93	51	3	0	1	1
IN EVANSVILLE	90	67	96	54	79	2	0	-.8	0	3.8	116	18.6	83	92	41	4	0	0	0
FORT WAYNE	83	60	91	47	71	0	.8	0	.8	4.5	132	17.1	98	93	44	2	0	1	1
INDIANAPOLIS	85	61	93	47	73	-1	.2	-.8	.2	3.4	91	22.5	114	92	44	2	0	2	0
SOUTH BEND	80	57	89	43	69	-3	1.0	0	.9	4.5	123	15.7	87	94	49	0	0	3	1
IA DES MOINES	87	65	93	58	76	2	T	-.9	T	3.4	87	18.3	119	83	44	2	0	2	0
SIOUX CITY	87	63	93	55	75	2	T	-.9	T	3.5	95	16.4	129	86	44	4	0	2	0
WATERLOO	83	62	90	54	73	2	.3	-.7	.2	6.1	153	19.6	124	90	49	2	0	3	0
KS CONCORDIA	89	65	95	60	77	1	.5	-.5	.2	5.2	131	15.4	113	95	43	4	0	4	0
DODGE CITY	90	66	95	65	78	1	.7	0	.4	4.6	163	8.7	84	91	43	3	0	4	0
GOODLAND	88	60	96	57	74	1	.4	-.2	.4	3.8	147	9.6	114	90	35	2	0	2	0
TOPEKA	89	67	92	62	78	2	.2	-1.0	.2	2.0	42	15.6	98	97	52	3	0	3	0
WICHITA	93	70	99	66	81	2	.4	-.5	.3	3.3	86	10.5	77	91	43	5	0	2	0
KY BOWLING GREEN	88	65	92	54	77	0	.1	-.9	.1	2.0	47	16.3	61	95	46	3	0	2	0
LEXINGTON	89	64	95	54	76	2	.3	-.8	.3	1.3	33	11.5	48	86	37	3	0	1	0
LOUISVILLE	89	67	95	56	78	2	0	-.8	0	2.3	67	15.1	66	85	40	3	0	0	0
LA ALEXANDRIA	88	72	91	70	80	-2	1.1	.2	1.1	6.4	177	17.8	58	94	68	4	0	2	1
BATON ROUGE	92	73	94	70	83	1	.5	-.4	.3	4.8	173	23.9	88	94	50	6	0	3	0
LAKE CHARLES	90	74	93	72	82	0	1.4	.3	.5	5.8	151	20.2	83	97	59	4	0	4	0
NEW ORLEANS	91	73	92	70	82	1	2.5	1.4	1.7	8.2	192	19.6	68	100	56	5	0	4	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending June 28, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 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	92	72	94	70	82	1	7.1	6.3	6.9	14.9	450	29.6	123	99	55	5	0	4	1
ME CARIBOU	74	49	85	41	62	-1	.4	-.4	.1	2.3	79	14.9	97	90	42	0	0	5	0
PORTLAND	74	51	86	46	63	-2	.1	-.6	.1	3.9	136	23.3	109	89	47	0	0	2	0
MD BALTIMORE	88	61	94	52	74	0	.2	-.7	.2	1.5	42	11.3	57	90	34	2	0	1	0
SALISBURY	86	60	93	50	73	0	.7	-.1	.7	1.0	30	12.0	58	93	42	2	0	1	1
MA BOSTON	80	59	87	52	70	-1	.1	-.6	0	7.7	282	20.3	93	80	38	0	0	2	0
CHATHAM	71	56	76	48	64	0	.4	-.2	.3	3.2	123	15.5	68	—	—	0	0	3	0
MI ALPENA	77	52	87	40	65	1	1.0	.2	.5	3.4	113	12.0	91	96	46	0	0	4	0
DETROIT	81	59	90	47	70	0	.1	-.7	.1	5.5	172	16.7	110	95	46	1	0	3	0
FLINT	77	57	88	43	67	-1	.6	-.2	.2	5.6	183	14.2	101	97	55	0	0	5	0
GRAND RAPIDS	77	56	85	41	66	-3	1.0	.1	.6	7.1	196	20.3	126	95	52	0	0	2	1
HOUGHTON LAKE	74	57	80	39	65	0	.3	-.4	.2	3.7	128	13.6	107	96	51	0	0	2	0
LANSING	78	56	86	41	67	-2	.7	-.2	.4	9.5	291	18.5	130	96	52	0	0	4	0
MARQUETTE	76	48	87	34	62	0	.6	-.3	.4	2.4	67	13.8	77	93	42	0	0	6	0
MUSKEGON	76	54	83	40	65	-3	.7	.2	.4	1.6	69	11.0	75	91	48	0	0	3	0
SAULT STE. MARIE	71	47	78	38	59	-2	.7	-.1	.5	5.4	178	15.2	106	96	61	0	0	3	0
MN ALEXANDRIA	82	61	91	49	71	4	.1	-.9	0	3.4	92	16.0	139	88	40	2	0	2	0
DULUTH	75	52	87	43	64	2	.8	-.2	.5	8.0	217	17.1	133	92	48	0	0	4	1
INT'L FALLS	75	51	86	37	63	0	.7	-.2	.4	3.5	102	9.1	90	9[illegible]	47	0	0	4	0
MINNEAPOLIS	81	62	88	51	72	1	1.1	.2	1.0	5.1	134	18.3	148	88	47	0	0	4	1
ROCHESTER	79	59	90	50	69	0	2.0	1.0	1.7	4.9	128	15.5	120	92	52	1	0	4	1
MS GREENWOOD	93	73	97	72	83	2	.1	-.7	.1	1.9	61	16.0	54	94	51	6	0	1	0
JACKSON	94	71	97	70	83	2	1.7	1.0	1.3	3.6	134	21.0	73	95	44	7	0	4	1
MERIDIAN	95	70	97	68	82	2	1.1	.2	.6	2.2	69	20.2	70	99	45	6	0	2	1
MO CAPE GIRARDEAU	93	71	97	66	82	--	T	-.8	T	2.5	76	23.7	100	85	43	6	0	0	0
COLUMBIA	89	67	94	58	78	3	1.3	.4	1.3	2.0	56	15.3	83	95	50	3	0	1	1
KANSAS CITY	88	67	93	63	78	2	.5	-.6	.5	2.2	50	11.4	68	92	52	3	0	1	1
SAINT LOUIS	90	70	96	61	80	3	.2	-.7	.2	4.1	117	13.7	77	83	44	4	0	2	0
SPRINGFIELD	89	68	91	66	78	3	1.2	.2	.9	3.2	74	14.2	71	96	53	3	0	2	1
MT BILLINGS	90	57	97	47	74	7	.8	.4	.5	2.1	107	9.9	110	71	22	3	0	3	1
GLASGOW	88	58	100	49	73	7	T	-.6	T	.9	39	5.0	81	68	22	2	0	0	0
GREAT FALLS	88	52	94	48	70	5	.4	-.2	.4	1.4	54	7.4	80	73	23	2	0	1	0
HAVRE	85	55	92	50	70	4	T	-.5	T	.2	11	6.4	103	72	26	2	0	0	0
HELENA	88	53	94	47	71	8	.6	.1	.5	1.6	82	5.4	84	70	20	2	0	2	1
KALISPELL	83	52	90	40	68	7	.6	.1	.6	2.0	93	9.7	114	89	26	1	0	1	1
MILES CITY	93	60	101	46	77	8	.2	-.4	.2	1.8	67	7.5	94	75	21	5	0	2	0
MISSOULA	90	50	94	41	70	8	.9	.5	.9	2.6	147	8.4	114	88	21	5	0	1	1
NE GRAND ISLAND	91	63	98	56	77	3	.3	-.5	.3	2.9	83	10.9	86	90	34	4	0	1	0
LINCOLN	92	64	97	55	78	3	.5	-.4	.3	2.0	56	13.7	99	89	35	5	0	2	0
NORFOLK	88	64	95	56	76	3	.2	-.8	.1	3.3	80	14.9	116	86	40	4	0	2	0
NORTH PLATTE	91	59	99	51	75	4	.1	-.8	.1	1.5	43	9.9	92	89	33	5	0	1	0
OMAHA	88	67	94	61	78	4	.3	-.7	.2	2.3	57	17.1	117	80	46	4	0	2	0
SCOTTSBLUFF	89	57	95	47	73	2	T	-.7	T	5.6	204	12.4	144	83	28	3	0	0	0
VALENTINE	90	57	94	42	74	3	T	-.7	T	1.8	64	9.9	109	80	28	4	0	0	0
NV ELY	90	46	93	36	68	6	T	-.1	T	.1	8	4.4	86	48	12	4	0	1	0
LAS VEGAS	106	76	110	70	91	5	0	-.1	0	.3	400	1.4	74	21	11	7	0	0	0
RENO	93	53	96	50	73	8	T	0	T	.2	66	7.4	164	67	13	6	0	1	0
WINNEMUCCA	95	57	99	51	76	9	0	-.2	0	.1	14	3.5	74	39	12	7	0	0	0
NH CONCORD	78	49	87	39	64	-3	T	-.6	T	5.0	185	19.1	113	96	41	0	0	1	0
NJ ATLANTIC CITY	82	59	92	49	71	-1	.5	-.2	.5	2.4	93	16.7	85	90	41	1	0	1	0
NM ALBUQUERQUE	81	60	93	58	71	-6	1.4	1.2	.7	2.2	498	5.1	196	85	39	2	0	4	1
CLOVIS	84	66	92	64	75	-1	.2	-.5	.2	3.2	131	7.4	106	75	42	2	0	1	0
ROSWELL	82	65	94	63	73	-8	2.4	2.2	1.2	3.1	369	5.9	211	95	48	2	0	4	2
NY ALBANY	79	56	87	46	67	-2	.2	-.6	.2	5.2	167	19.7	116	91	40	0	0	1	0
BINGHAMTON	75	54	80	45	65	-2	.3	-.6	.3	4.5	133	19.8	114	86	42	0	0	1	0
BUFFALO	76	58	84	47	67	-1	.6	0	.3	3.9	153	18.6	110	90	42	0	0	3	0
NEW YORK	83	65	91	58	74	1	.1	-.7	.1	1.4	48	15.6	76	73	36	1	0	1	0
ROCHESTER	78	55	87	46	66	-3	.6	0	.4	3.9	149	15.4	103	94	47	0	0	2	0
SYRACUSE	78	57	86	49	68	-1	.5	-.4	.3	4.9	144	18.4	101	93	45	0	0	3	0
NC ASHEVILLE	88	58	90	52	73	1	.2	-.8	.2	1.3	33	11.1	46	96	39	2	0	1	0
CHARLOTTE	95	71	97	65	83	6	.2	-.6	.2	.4	12	8.2	36	85	34	7	0	1	0
GREENSBORO	92	67	98	59	80	4	.6	-.4	.6	1.1	30	7.1	34	84	36	5	0	1	1
HATTERAS	82	71	86	66	77	1	.1	-1.0	0	2.5	64	16.0	67	84	60	0	0	2	0
NEW BERN	88	67	95	60	78	0	1.7	.4	1.1	4.3	95	17.9	76	92	50	3	0	2	2
RALEIGH	94	67	100	58	81	5	1.4	.6	1.4	1.8	53	12.5	60	91	38	6	0	2	1
WILMINGTON	88	71	90	61	79	1	T	-1.4	T	5.2	100	21.5	91	88	55	1	0	1	0
ND BISMARCK	85	58	95	49	72	5	.8	.1	.7	2.4	86	10.0	122	90	36	2	0	2	1
FARGO	82	58	93	45	70	3	.3	-.5	.3	4.0	140	11.5	131	93	43	2	0	1	0
GRAND FORKS	84	58	92	45	71	5	.2	-.5	.1	1.1	39	6.2	78	86	35	1	0	3	0
WILLISTON	85	58	98	52	72	5	.3	-.3	.3	1.4	55	9.1	125	78	32	2	0	3	0
OH AKRON-CANTON	79	57	90	44	68	-2	1.1	.3	.9	2.4	79	12.9	72	94	51	1	0	3	1
CINCINNATI	87	62	93	54	74	1	.4	-.6	.4	1.3	34	13.3	63	87	39	2	0	1	0
CLEVELAND	80	58	91	44	69	-1	.7	-.1	.5	2.8	86	18.8	107	90	49	1	0	2	0
COLUMBUS	84	59	92	50	71	-1	.7	-.3	.4	5.0	133	15.9	83	94	45	2	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending June 28, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 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	83	61	91	49	72	-1	3.7	2.9	2.3	7.2	202	21.6	117	94	47	2	0	3	2
TOLEDO	82	58	91	46	70	0	.5	-.4	.2	4.9	150	15.9	102	97	45	1	0	2	0
YOUNGSTOWN	77	55	88	41	66	-2	2.5	1.6	2.2	10.6	324	20.7	117	96	52	0	0	3	1
OK OKLAHOMA CITY	94	72	98	68	83	3	T	-.7	T	3.1	85	18.2	111	89	42	7	0	1	0
TULSA	92	71	95	68	82	2	1.4	.4	.8	4.2	99	19.8	100	92	47	6	0	3	2
OR ASTORIA	68	54	75	49	61	3	0	-.5	0	.9	41	33.9	94	92	58	0	0	0	0
BURNS	88	47	95	43	68	4	0	-.1	0	.3	34	7.1	215	—	—	2	0	0	0
MEDFORD	94	60	99	55	77	9	0	-.1	0	.5	69	10.2	99	73	23	6	0	0	0
PENDLETON	91	60	95	51	75	6	.1	-.1	.1	.1	10	7.0	104	54	15	4	0	1	0
PORTLAND	82	57	88	53	70	5	T	-.2	T	.2	16	16.9	87	87	40	0	0	1	0
SALEM	83	53	92	50	68	5	T	-.2	T	.5	42	21.3	99	90	35	1	0	0	0
PA ALLENTOWN	84	57	89	50	71	-1	.2	-.6	.1	2.5	78	19.3	92	85	35	0	0	2	0
ERIE	77	59	90	47	68	1	.4	-.4	.2	7.7	220	22.9	129	88	51	1	0	3	0
HARRISBURG	84	60	90	50	72	-2	T	-.8	T	1.4	42	17.7	91	87	34	1	0	1	0
PHILADELPHIA	86	62	93	55	74	1	.2	-.8	.2	1.9	52	15.8	78	82	36	2	0	1	0
PITTSBURGH	80	56	89	46	68	-3	.9	.1	.7	5.1	167	16.0	86	84	44	0	0	3	1
SCRANTON	79	55	83	46	67	-3	.6	-.2	.4	6.5	202	21.1	129	88	43	0	0	3	0
RI PROVIDENCE	81	57	87	47	69	0	.2	-.5	.1	3.0	116	19.3	87	89	39	0	0	4	0
SC CHARLESTON	91	72	95	65	81	2	T	-1.6	T	2.5	41	13.0	54	93	52	4	0	0	0
COLUMBIA	98	71	102	61	84	5	.6	-.5	.6	.9	21	8.1	32	86	35	7	0	2	1
FLORENCE	92	69	97	61	81	2	.6	-.6	.6	2.7	64	10.6	49	96	45	4	0	1	1
GREENVILLE	95	68	97	65	82	5	T	-1.1	T	.9	21	13.6	49	89	35	7	0	0	0
SD ABERDEEN	84	59	94	48	72	3	.1	-.7	.1	2.4	79	14.7	153	91	42	2	0	1	0
HURON	86	60	93	51	73	3	T	-.7	T	2.5	79	13.1	128	89	42	1	0	0	0
RAPID CITY	86	57	90	43	71	3	.1	-.7	0	4.0	132	12.6	130	83	36	1	0	2	0
SIOUX FALLS	84	61	91	50	73	2	.7	-.2	.5	3.7	105	13.5	112	89	48	2	0	3	1
TN CHATTANOOGA	94	67	96	63	81	4	T	-.8	T	1.6	52	12.1	44	95	38	7	0	0	0
KNOXVILLE	94	63	96	54	79	3	T	-1.0	T	.6	17	11.9	46	89	32	7	0	0	0
MEMPHIS	93	75	97	74	84	4	.6	-.3	.4	3.9	116	17.2	60	87	48	6	0	2	0
NASHVILLE	90	68	96	60	79	1	.2	-.6	.2	2.3	68	12.3	46	92	41	4	0	1	0
TX ABILENE	92	72	96	67	82	-1	0	-.5	0	4.4	186	11.5	105	80	38	6	0	0	0
AMARILLO	88	63	95	62	76	-2	.6	-.2	.6	3.5	107	8.6	95	94	41	2	0	1	1
AUSTIN	93	74	95	72	84	1	0	-.6	0	2.2	76	13.0	81	92	45	7	0	0	0
BEAUMONT	91	75	93	73	83	1	4.2	3.2	4.0	10.4	283	27.8	121	96	58	6	0	3	1
BROWNSVILLE	92	74	94	72	83	-1	.8	.3	.4	3.8	147	8.8	92	98	57	6	0	5	0
CORPUS CHRISTI	91	74	93	72	82	-2	.6	-.1	.3	3.1	97	11.8	97	96	56	6	0	3	0
DEL RIO	89	73	92	71	81	-4	1.6	1.2	1.5	3.6	224	11.2	149	82	44	5	0	2	1
EL PASO	85	66	95	63	75	-7	2.4	2.2	1.1	3.1	638	4.7	224	94	46	3	0	5	2
FORT WORTH	95	74	98	72	84	0	T	-.5	T	3.9	160	18.3	112	90	41	7	0	0	0
GALVESTON	87	78	89	73	83	0	.4	-.5	.4	4.3	132	12.2	73	84	59	0	0	1	0
HOUSTON	92	75	94	72	83	1	.3	-.6	.2	6.3	166	18.2	83	91	56	6	0	4	0
LUBBOCK	87	66	96	64	77	-3	1.1	.4	.8	4.9	186	8.8	107	97	52	2	0	3	1
MIDLAND	86	67	94	66	77	-5	.3	0	.3	3.5	259	7.7	135	100	60	2	0	1	0
SAN ANGELO	91	68	94	64	80	-3	0	-.4	0	3.2	182	12.0	145	89	39	5	0	0	0
SAN ANTONIO	92	73	94	70	83	-1	.4	-.2	.4	12.0	416	22.5	161	94	46	7	0	1	0
VICTORIA	92	75	93	73	84	0	.5	-.5	.4	7.5	174	17.4	104	95	55	6	0	2	0
WACO	94	73	97	71	84	0	T	-.5	T	4.0	161	18.6	111	93	44	7	0	0	0
WICHITA FALLS	94	72	98	69	83	0	T	-.6	T	7.6	280	16.6	120	93	43	7	0	1	0
UT BLANDING	88	57	99	52	72	2	.4	.3	.3	1.0	306	5.5	117	70	30	4	0	2	0
CEDAR CITY	92	57	95	48	75	5	0	-.1	0	.3	73	4.4	94	42	20	5	0	0	0
SALT LAKE CITY	94	64	101	55	79	7	T	-.2	T	.4	47	12.8	142	51	18	6	0	0	0
VT BURLINGTON	75	54	85	47	65	-3	.3	-.6	.2	4.2	122	17.8	119	84	44	0	0	4	0
VA NORFOLK	88	66	98	58	77	1	.5	-.4	.5	.9	28	11.5	56	86	42	4	0	1	0
RICHMOND	89	64	96	54	77	1	T	-.9	T	.7	21	11.5	58	87	40	4	0	0	0
ROANOKE	91	61	96	51	76	2	.1	-.7	.1	.5	16	11.5	59	88	34	4	0	1	0
WA COLVILLE	87	52	90	44	70	6	.4	.1	.4	1.3	91	13.3	148	73	35	3	0	1	0
QUILLAYUTE	68	49	74	43	59	2	T	-.6	T	1.5	51	60.8	115	96	55	0	0	2	0
SEATTLE-TACOMA	77	54	83	51	66	4	T	-.3	T	.6	49	19.4	102	80	38	0	0	1	0
SPOKANE	87	56	91	48	71	7	T	-.2	T	.5	40	9.6	105	64	19	1	0	1	0
YAKIMA	89	54	94	47	72	5	T	-.1	T	.1	14	5.0	114	74	24	4	0	1	0
WV BECKLEY	81	57	85	50	69	2	.8	-.1	.6	1.7	48	14.8	68	96	45	0	0	2	1
CHARLESTON	87	59	92	49	73	0	.2	-.7	.1	2.2	74	16.8	81	96	39	3	0	4	0
HUNTINGTON	87	61	92	51	74	1	.1	-.8	.1	2.8	84	13.7	66	90	40	4	0	1	0
PARKERSBURG	83	58	89	49	70	-2	2.3	1.3	2.1	5.8	138	16.5	73	97	50	0	0	2	1
WI GREEN BAY	80	57	89	46	68	1	1.5	.7	.8	4.1	137	11.4	88	95	48	0	0	4	1
LA CROSSE	82	62	92	54	72	2	1.5	.5	.5	3.2	84	11.3	79	90	45	1	0	4	1
MADISON	80	58	89	46	69	0	1.4	.5	.7	3.1	85	12.6	88	94	53	0	0	3	2
MILWAUKEE	79	58	90	43	68	1	2.8	1.9	2.3	4.5	133	15.5	104	92	51	1	0	3	1
WAUSAU	79	57	91	46	68	1	1.5	.6	.9	3.3	90	10.3	73	93	45	1	0	5	1
WY CASPER	88	54	94	41	71	5	T	-.2	T	4.0	347	9.0	130	74	21	3	0	1	0
CHEYENNE	82	54	88	48	68	3	T	-.4	T	2.2	118	6.6	90	76	27	0	0	2	0
LANDER	88	56	92	46	72	7	0	-.3	0	.2	15	5.9	69	48	17	3	0	0	0
SHERIDAN	88	51	95	38	70	5	T	-.5	T	3.0	149	8.6	96	79	23	4	0	0	0
PR SAN JUAN	88	76	89	74	82	0	.8	-.3	.5	1.3	30	27.9	133	93	63	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

National Agricultural Summary

June 23 to 29, 1986

HIGHLIGHTS: Dryness caused crop stress in the Southeast, adversely affecting corn pollination. Drier weather pushed wheat harvest ahead of schedule in the Corn Belt and helped slow the spread of disease. Soil moisture was generally adequate except in the Southeast and in the Delta. Soil moisture was extremely short in the southeast and was becoming short in the Delta. Farmers worked 4 to 6 days across the Nation.

Winter wheat was mostly good across the northern half of the Nation. Disease caused conditions to decline in the Corn Belt to mostly fair to good. Winter wheat was 57 percent (%) harvested, up 16 points from the previous week and 27 points ahead of the 30% 5-year average. Harvest approached completion in the Southeast and in the Delta. Spring wheat was 33% headed, 16 points behind 1985 and 4 points below the average. Soybeans were 96% planted compared with 93% normally. Seeding was nearly finished except in the Southeast and the Delta where moisture is short. The 11 major sorghum producing States had planted 95% of the acreage, 3 points above normal. Harvest was underway in Texas, and sorghum was heading in Louisiana. Cotton was squaring on 44% of the acreage, and 9% was setting bolls. This compares with 38% squaring and 9% setting bolls normally. Cotton conditions varied, ranging from good to excellent in the Southwest to fair to poor in some Southeastern States. Rice was 8% headed compared with the 10% average. Heavy rain caused some lodging in Texas. Burley tobacco transplanting was virtually complete. Livestock was mostly good, but heat caused stress in some areas.

SMALL GRAINS: Winter wheat was mostly good to fair in the central and northern Plains. Conditions remained good to fair in the Corn Belt despite disease problems. Combining in 20 major producing States was 57% finished, 6 points ahead of 1985 and 27 points ahead of normal. Harvest neared completion in most southeastern States and in the Delta to Oklahoma. Kansas wheat was 85% harvested more than 4 times greater than normal. In Nebraska, harvest equaled the norm at 9% finished. Leaf rust was spreading in the north and west, but yield reduction is expected to be minimal. Illinois producers harvested 30% of their acreage the previous week, ending the week 70% finished. Disease problems were widespread in Indiana, Ohio, and Michigan.

Spring wheat was 33% headed, compared with 40% in 1985 and 37% normally. Heading was behind normal in all States except North Dakota. Heading was 7 points behind normal in Minnesota and 10 points behind normal in South Dakota. Spring wheat was mostly good to fair.

CORN: Corn was 5% silked, 3 points ahead of normal. Corn was silking as far north as Illinois and in 7 of the 17 major producing States. Corn was 91% silked in Georgia, 13 points above the average. Sixty percent of the acreage had reached the dough stage and 18% was in the dent stage. Texas corn was 67% silked, 60% dough and 11% mature. Corn was mostly good to fair in the Corn Belt and central and northern Great Plains. Crop conditions declined rapidly in the Southeast to mostly poor to fair. Corn was under stress from the Appalachian States to Georgia as it entered the critical pollination stage.

SOYBEANS: Soybeans were mostly planted except in the Southeast where dryness hampered planting. In the 19 major producing States, soybeans were 96% seeded, equaling last year but 3 points ahead of normal. Seeding lagged slightly behind normal in Georgia, North Carolina, and South Carolina. Inadequate moisture continued plaguing soybeans in the Southeast. Soybeans were blooming and setting pods in Illinois.

SORGHUM: In the 11 major producing States, 95% of the sorghum acreage was planted. Seeding neared completion in all States except Oklahoma and Texas. Seeding was 5 points behind normal in both Oklahoma and Texas at 85 and 91% completion, respectively. Sorghum was 58% headed and 4% harvested in Texas. Louisiana sorghum was 55% headed compared with the 35% average. Sorghum was mostly good to fair.

COTTON: Cotton conditions remained mostly unchanged, fair to good in the southeast and mostly good to fair elsewhere. In the 14 major producing States, squares were present on 44% of the acreage, 6 points ahead of normal. Nine percent of the acreage was setting bolls, equaling the average. Repeated showers and washouts hampered planting in Oklahoma. Cotton planting resumed in Texas, but heavy rain caused some replanting. Bolls were opening at Coastal Bend and in the Rio Grande Valley.

OTHER CROPS: Rice was 8% headed, 2 points below the average. Heading was limited to Louisiana and Texas. Normally, rice would be heading in Mississippi by June 29. Most of the rice in Texas escaped damage from Hurricane Bonnie, but high winds and heavy rain caused some lodging.

Burley tobacco was mostly transplanted. Flue-cured tobacco was 5% harvested in Georgia, compared with the 9% average. Tobacco harvest was underway in Florida.

Peanut condition declined slightly despite the extreme dryness in the Southeast. Georgia peanuts were fair to good. Nearly a fourth of the crop was pegging and 60% was blooming. North Carolina's peanuts were good to fair. In Texas, peanuts were 69% planted, 16 points behind normal. Emerged fields had good stands and good growth.

FRUIT AND NUTS: Peach harvest was 68% finished in Georgia, 16 points above normal. Harvest lagged 14 points behind normal in Mississippi. North and South Carolina peaches were 49 and 45% harvested, respectively.

Rain brought out abundant, flush new growth on citrus trees of all ages in Florida. Old crop fruit harvest was nearly complete. New crop Valencia orange drop was minimal in California. Some granulation and regreening was in old crop Valencia oranges.

VEGETABLES: Vegetable harvest continued gaining momentum in northern producing areas. Florida vegetable shipments declined seasonally. Cauliflower, broccoli, celery, lettuce, cantaloups, and watermelons were harvested in California.

PASTURES AND LIVESTOCK: Pastures continued drying in the Southeast. Some producers began selling livestock in some Southeast States. Livestock was mostly good, but heat caused stress in some areas.

CROP PROGRESS

FOR WEEK ENDING JUNE 29, 1986

COTTON
% SQUARING

	1986	1985	AVG.
ALA	74	78	62
ARIZ	96	96	91
ARK	82	73	58
CALIF	70	70	36
GA	51	88	72
LA	83	68	56
MISS	78	79	71
MO	65	64	47
N MEX	40	50	38
N C	68	61	44
OKLA	3	15	3
S C	74	89	83
TENN	45	55	45
TEX	16	15	21
14 STATES	44	44	38

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

COTTON
% SETTING BOLLS

	1986	1985	AVG.
ALA	8	16	NA
ARIZ	50	60	40
ARK	3	15	3
CALIF	5	5	2
GA	14	37	17
LA	13	19	10
MISS	5	8	5
MO	0	0	0
N MEX	10	10	11
N C	9	5	5
OKLA	0	0	0
S C	34	37	30
TENN	0	0	0
TEX	9	11	11
14 STATES	9	13	NA
EXCL. STATES WITH NA	9	13	9

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

SOYBEANS
% PLANTED

	1986	1985	AVG.
ALA	91	93	90
ARK	90	93	86
GA	85	96	87
ILL	100	100	99
IND	98	97	94
IOWA	100	100	100
KANS	95	80	80
KY	85	80	78
LA	96	97	94
MICH	98	100	100
MINN	99	99	99
MISS	89	95	89
MO	96	93	83
NEBR	100	100	100
N C	86	92	87
OHIO	99	100	96
S C	88	92	89
S DAK	92	100	97
TENN	85	90	85
19 STATES	96	96	93

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

SPRING WHEAT
% HEADED

	1986	1985	AVG.
IDAHO	42	39	43
MINN	34	41	41
MONT	25	45	30
N DAK	26	38	25
S DAK	62	92	72
5 STATES	33	49	37

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

RICE
% HEADED

	1986	1985	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	22	29	21
MISS	0	12	6
TEX	28	15	43
5 STATES	8	8	10

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

WINTER WHEAT
% HARVESTED

	1986	1985	AVG.
ARK	90	95	91
CALIF	65	60	55
COLO	7	3	5
GA	98	99	91
IDAHO	0	0	0
ILL	70	41	26
IND	35	30	8
KANS	85	70	20
MICH	0	0	0
MO	77	39	28
MONT	0	0	0
NEBR	9	6	9
N MEX	80	NA	NA
N C	100	NA	NA
OHIO	6	10	2
OKLA	95	95	65
OREG	0	0	0
S DAK	0	0	0
TEX	84	85	71
WASH	0	0	0
20 STATES	58	NA	NA
EXCL. STATES WITH NA	57	51	30

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

GRAIN SORGHUM
% PLANTED

	1986	1985	AVG.
ARK	99	98	98
ILL	98	86	89
KANS	95	90	85
LA	100	100	98
MISS	98	100	95
MO	97	95	86
NEBR	100	100	100
OKLA	85	90	90
S DAK	95	96	95
TENN	96	98	NA
TEX	91	97	96
11 STATES	95	95	NA
EXCL. STATES WITH NA	95	95	92

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

CORN
% SILKING

	1986	1985	AVG.
COLO	0	0	0
GA	91	96	78
ILL	10	3	1
IND	0	0	0
IOWA	0	0	0
KANS	5	4	2
KY	25	12	4
MICH	0	0	0
MINN	0	0	0
MO	17	7	0
NEBR	0	0	0
N C	49	66	41
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
TEX	67	63	NA
WIS	0	0	0
17 STATES	7	5	NA
EXCL. STATES WITH NA	5	4	2

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

WEEKLY CROP WEATHER CONDITION PERCENT REPORT
FOR WEEK ENDING JUNE 29, 1986

WINTER WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	18	27	55	0
CALIF	NA	0	0	50	50
COLO	4	9	28	47	12
GA	4	27	53	14	2
IDAHO	0	0	21	71	8
IND	0	16	55	28	1
MICH	2	8	30	45	15
MONT	0	0	13	70	17
NEBR	0	5	31	49	15
N MEX	0	25	10	65	0
OHIO	0	6	51	39	4
OREG	0	0	63	37	0
S DAK	0	3	3	58	36
TEX	2	17	53	24	4
WASH	NA	10	40	50	0

SPRING WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
IDAHO	0	0	22	65	13
MINN	0	2	48	44	6
MONT	0	0	37	57	6
S DAK	0	0	17	65	18
N DAK	0	0	21	77	2

RICE

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	10	80	10
CALIF	NA	0	0	50	50
LA	0	0	24	73	3
MISS	0	27	22	51	0
TEX	0	0	25	54	21

CORN

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
COLO	0	2	12	70	16
GA	12	28	49	10	1
ILL	0	0	7	51	42
IND	NA	1	27	67	5
IOWA	0	1	11	61	27
KANS	0	1	9	23	67
KY	1	1	37	58	3
MICH	2	8	25	45	20
MINN	0	1	32	55	12
MO	NA	0	25	62	13
NEBR	0	0	8	57	35
N C	NA	54	31	15	0
OHIO	0	2	10	68	20
PA	1	6	19	55	19
S DAK	0	2	15	71	12
TEX	0	5	17	56	22
WISC	2	3	9	67	19

GRAIN SORGHUM

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	5	11	75	9
ILL	0	3	24	65	8
KANS	0	0	13	29	58
LA	0	0	40	60	0
MISS	0	12	33	55	0
MO	0	8	42	47	3
NEBR	0	0	23	72	5
OKLA	0	0	35	65	0
S DAK	0	3	33	52	12
TENN	0	4	45	49	2
TEX	0	0	24	59	17

COTTON

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	2	4	64	30	0
ARIZ	0	0	0	70	30
ARK	0	0	8	92	0
CALIF	NA	0	0	100	0
GA	0	10	65	25	0
LA	0	0	30	70	0
MISS	0	1	21	78	0
MO	NA	18	73	9	0
N MEX	0	29	0	71	0
N C	NA	12	50	38	0
OKLA	0	0	20	60	20
S C	2	33	46	19	0
TENN	0	9	46	37	8
TEX	0	17	41	36	6

SOYBEANS

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ALA	2	10	63	25	0
ARK	0	10	42	42	6
GA	0	23	58	18	1
ILL	0	0	23	58	19
IND	NA	1	37	58	4
IOWA	0	2	24	62	12
KANS	0	0	11	24	65
KY	1	3	41	55	0
LA	0	4	73	23	0
MICH	2	8	30	50	10
MINN	0	6	43	50	1
MISS	0	21	38	41	0
MO	NA	2	33	61	4
NEBR	0	0	17	73	10
N C	NA	35	42	23	0
OHIO	0	7	23	66	4
S C	6	12	66	16	0
S DAK	0	2	14	79	5
TENN	4	4	58	34	0

NA - NOT ASKED

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 NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged 2 to 5° above normal. Rainfall totals under 1.00 in.

Days suitable for fieldwork 6.5. Soil moisture 91% short, 9% adequate. Rain needed to improve crop conditions. Primary activities: Crop cultivation; harvesting wheat; planting soybeans, sorghum; controlling insects on fruits, vegetables, and crops; care of livestock, poultry; general farm chores.

ALASKA: Rain early week, although most areas continued dry. Temperatures ranged 4° below normal to 3° above normal. Precipitation ranged near normal to drier than normal.

Days suitable for fieldwork 6.0. Topsoil moisture 46% short, 54% adequate. Subsoil moisture 43% short, 57% adequate. Oats, barley grain heights averaged 9 in. Barley for grain 10% poor, 64% fair, 26% good. Crop growth 32% slow, 34% moderate, 34% rapid. First cutting hay full swing. Pasture, range 1% poor, 36% fair, 63% good.

ARIZONA: Low pressure, sub tropical moisture dominated weather first half week. Showers, thunderstorms confined to eastern two-thirds. Sunny skies; hot, dry air 26th to 27th. Cloudiness, precipitation returned 28th. Rainfall amounts none to very little extreme west, locally 0.10 to 0.75 in. elsewhere, over 1.00 in. White Mountains. Average temperatures 3° below to 7° above normals.

Cotton bolls setting rapidly. Routine insect controls, irrigations took place. Boll weevil trap counts higher than normal central. Alfalfa cutting moderate to active. Demand steady, prices low. Weeds, insects light to moderate. Corn stands established central, southeast. Corn early dent stage west. Sorghum stands good, planting finished central. Safflower harvest advanced, popcorn good. Small grains 97% harvested, 95% 1985. Melon harvest advanced. Dry onion harvest completed central, continued Safford-Willcox district. Table stock, chipper potatoes dug. Mixed vegetables shipped central valley. Grape harvest advanced. Figs picked. Southeast peaches harvested. Apples developing nicely. Citrus groves good. Some drought conditions northern rangeland; tank water, soil moisture very low. Northern livestock 5% poor, 45% fair, 42% good, 8% excellent. Sheep, lambs 9% very poor, 28% poor, 50% fair, 13% good. Central, southern range, pasture 80 to 95% of normal.

ARKANSAS: Hot, dry early week. Remnants of Bonnie mainly over southern half by weeks end. Temperature extremes 60°; 100°. Rainfall none to 11.90 in.

Days suitable for fieldwork 6.0. Soil moisture 49% short, 48% adequate, 3% surplus. Crop growth moderate. Major activities: Baling hay; harvesting wheat; planting soybeans; irrigating crops; fertilizing rice; controlling weeds; and picking peaches. Grasshoppers problem northern portion. Squash harvest active. Rainfall needed for soybean germination.

CALIFORNIA: Above normal temperature statewide. Temperatures 5 to 7° above normal interior sections 2 to 3° above normal coastal stations.

Excellent weather for harvest small grain. Over 50% small grain harvested, good yields reported. Fertilizing, spraying rice continued. Rice, cotton developing well. Cultivating, irrigating, spraying cotton. Safflower blooming. Field corn, dry beans excellent growth. Overwintered sugarbeets harvest continued. Avocados moving well; good size, quality. Black Mission fig harvest underway. Table grapes harvest began central valley. Harvest plums, nectarines, Freestone peaches continued. Clingstone peach harvest expected next week. Apple pears harvested. Extreme heat caused some burning young Persimmon trees. Prune crop reported. The 1986-87 Navel orange June drop minimal. Valencias some granulation, regreening. Almond growers preparing for hull split sprays. Artichoke fairly light variable quality Salinas. Strawberries to juicing, freezing plants south coast. Broccoli fairly heavy Salinas heavy Santa Maria good quality. Harvest active Oxnard. Carrot moderate Salinas good quality. Digging continued Fresno, Kings. Cauliflower moderate variable quality Santa Maria. Harvest also Oxnard. Celery fairly light good quality Santa Maria. Cutting continued Oxnard, Los Angeles; Orange County; finishing. Sweet corn harvest peak Brentwood-Tracy. Cucumbers packed Fresno. Lettuce fairly heavy variable weight, quality Salinas. Harvest completed Oxnard. Melon Sacramento Valley doing well; good crown sets. Cantaloup harvest Firebaugh-Mendota. Cantaloups Imperial Valley completed, Palo Verde Valley continued two weeks. Honeydew active Palo Verde. Watermelon neared completion desert. Red onions active Kings. Fresh tomato harvest continued central valley. Processing tomato Firebaugh District treated snow (foam) to prevent sunburn. Canning tomato Sacramento Valley looked good, nice sets early fields. Livestock good. Movement summer pastures declining rapidly. Ranges, pastures extremely dry. Some fires reported. Stockwater supplies normal this time year.

COLORADO: Temperatures averaged 2° below normal to 4° above normal. Precipitation totals averaged none to 0.38 in.

Days suitable for fieldwork 5.8. Soil moisture 2% very short, 45% short, 53% adequate. Winter wheat fair to mostly good. Sorghum planted 92%, 99% 1985, 94% avg.; emerged 66%, 94% 1985, 83% avg. Barley headed 79%, 71% 1985, 65% avg. Livestock good; range, pasture fair to mostly good.

FLORIDA: Routine summer weather prevailed. Daily afternoon, evening showers, storms averaged from 2.90 in. South Central to 0.40 in., northeast. Temperatures near normal; lows upper 60s, highs mid 90s.

Soil moisture adequate except dry pockets, Panhandle. Soybean planting continued; early beans good. Tobacco, peanut harvest underway, good both crops. Hay harvest active, weather permitting. Cotton, sugarcane made good growth. Pastures mostly good; fair to poor in dry localities of central Panhandle, northeast Peninsula. Cattle mostly good except only fair to poor where grass needs rain. Almost daily rains, hot daytime temperatures brought out abundant flush of new growth, all ages citrus trees. Old crop fruit harvest nearly complete. Growers, caretakers applying summer fertilizers, sprays. Typical summer weather vegetable producing areas. Afternoon thunderstorms provided adequate rain most areas. Temperatures ranged lows 60s, highs 90s. Harvest most crops complete central, southern areas. Shipments all major crops decreasing.

GEORGIA: Most stations received some rain. Many totals well under 0.50 in., heavier amounts between 1.00 to 3.00 in. Total rain since January 1 still 5.00 to 20.00 in. below normal, almost all reporting locations. Temperatures for week 3 to 5° above normal most locations.

Days suitable for fieldwork 6.1. Soil moisture 58% very short, 33% short, 9% adequate. Corn 12% very poor, 28% poor, 49% fair, 10% good, 1% excellent; 91% silked, 96% 1985, 78% avg.; 60% dough, 79% 1985, 47% avg.; 18% dent, 33% 1985, 15% avg. Sorghum grain 1% very poor, 23% poor, 58% fair, 18% good; 92% planted, 92% 1985, 81% avg. Peanuts 2% very poor, 5% poor, 57% fair, 31% good, 5% excellent; 60% blooming, 85% 1985,76% avg.; 24% pegging, 57% 1985, 35% avg. Tobacco 3% poor, 60% fair, 37% good; 5% harvested, 13% 1985, 9% avg. Watermelons 4% very poor, 7% poor, 65% fair, 22% good, 2% excellent; 27% harvested, 58% 1985, 18% avg. Rye 4% very poor, 30% poor, 49% fair, 15% good, 2% excellent. Other small grains 4% very poor, 27% poor, 57% fair, 10% good, 2% excellent. Apples 9% very poor, 9% poor, 64% fair, 18% good. Peaches 11% poor, 52% fair, 37% good; 68% harvested, 69% 1985, 52% avg. Pasture 16% very poor, 41% poor, 34% fair, 9% good. Hay 14% very poor, 43% poor, 33% fair, 10% good. Cattle 2% very poor, 14% poor, 62% fair, 22% good. Hogs 1% poor, 52% fair, 46% good, 1% excellent. Main activities: Planting, as weather permits; harvesting, spraying for Japanese beetles, other insect problems.

HAWAII: Conditions variable. Scattered showers windward, mountain areas. Northeast winds 15 to 25 mph. Temperatures ranged upper 60s to low 90s. Rainfall none to 2.80 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Pineapple, sugarcane harvesting active. Banana orchards fair to good. Soil moisture ample. Papaya orchards good, output on decline. Vegetables fair to good.

IDAHO: Temperatures generally 5 to 10° above normal. Precipitation reported only 3 stations. Weekly totals from 0.14 to 0.65 in. below normal.

Days suitable for fieldwork 7.0. Hot conditions promoted rapid development of crops. Irrigation demands continued heavy. Wheat good but showed stress. Potatoes started to close middles. First cutting alfalfa ahead of normal. Cherry harvest way ahead. Insects, grasshoppers present but damage light. Livestock good, summer high pastures good, lower nonirrigated pastures all dried out. Irrigated pastures good.

ILLINOIS: Temperatures averaged 6° below normal to 2° above normal. Precipitation none to 3.25 in. heaviest west, central, northeast.

Days suitable for fieldwork 6.5. Soil moisture 57% short, 43% adequate. Corn average height 55 in., 44 in. 1985, 35 in. avg. Soybeans blooming 20%, 7% 1985, 5% avg.; setting pods 2%, none 1985, none avg. Winter wheat ripe 90%, 88% 1985, 71% avg. Oats 18% fair, 64% good, 18% excellent; turning yellow 50%, 44% 1985, 28% avg.; ripe 15%, 7% 1985, 4% avg.; harvest 5%, none 1985, none avg. Alfalfa 21% fair, 66% good, 11% excellent; alfalfa 2nd crop cut 40%, 34% 1985, 24% avg. Red clover 32% fair, 48% good, 20% excellent; red clover crop cut 80%, 89% 1985, 85% avg. Pasture 5% poor, 35% fair, 45% good, 15% excellent. Major farm activities: Harvesting wheat and hay, applying herbicides, planting late soybeans.

INDIANA: Temperatures normal south, 1 to 3° below normal north. Precipitation totals averaged light to none south, up to and exceeding 1.00 in. north. Dry conditions gave farmers best period for getting fieldwork done this season.

Fieldwork averaged 6.4 days. Topsoil moisture 47% short, 52% adequate, 1% surplus. Subsoil moisture 16% short, 81% adequate, 3% surplus. Wheat condition continued to decline due to widespread disease problems. Wheat 75% ripe, 85% 1985, 30% avg.; mostly fair. Corn fair to mostly good; 40 in. high, 38 in. 1985, 26 in. avg. Soybeans fair to mostly good; 9 in. high, 9 in. 1985, 7 in. avg. Oats 95% headed, 95% 1985, 90% avg. Alfalfa 95% cut once, 98% 1985, 97% avg. Clover 80% cut, 90% 1985, 80% avg. Tobacco 98% set, 98% 1985, 94% avg.

IOWA: Mild early week; hot, humid late week with showers, thunderstorms causing localized flooding, storm damage.

Days suitable for fieldwork 5.7. Topsoil moisture 23% short, 75% adequate, 2% surplus; subsoil moisture 1% short, 94% adequate, 5% surplus. Oats 17% fair, 60% good, 23% excellent; headed 93%, 100% 1985, 86% avg.; turning color 25%, 41% 1985, 10% avg. Winter wheat mostly good to fair. Hay 1% poor, 10% fair, 65% good, 24% excellent. First crop alfalfa harvested 97%, 100% 1985, 93% avg.; first crop clover harvested 73%, 95% 1985, 73% avg. Warm weather improved corn development; corn cultivated 1st time 94%, 98% 1985, 84% avg.; average corn height 31 in. Soybeans emerged, some root rot problems; soybeans cultivated 1st time 62%, 83% 1985, 70% avg. Livestock mostly good, heat causing stress, lower gains. Pastures good to fair, slow regrowth.

KANSAS: Precipitation averaged 0.50 to 1.00 in. varying from none to 2.00 in. scattered localities. Temperatures averaged 79° northwest, 82° south central, ranging 2° above normal southwest to 6° above normal northwest.

Days suitable for fieldwork 5.0. Topsoil moisture 31% short, 59% adequate, 10% surplus. Wheat harvest temporarily delayed by scattered rain, rapidly nearing completion. Sorghum planting good progress; excellent early growth, development. Chinch bug levels light to moderate. Soybean planting nearing completion, excellent growth. Corn excellent growth, silking ahead schedule. Scattered corn borer infestation. Range, pasture fair to good west, excellent elsewhere.

KENTUCKY: Hot and humid. Highs upper 80s to mid 90s. Temperatures averaged 2 to 5° above normal. Few locations had showers, most no rainfall. Rainfall amounts varied from few hundredths of inch to over 1.00 in.

Days suitable fieldwork 5.8. Soil moisture 33% very short, 49% short, 17% adequate, 1% surplus. Crops need rain. Tobacco 14% poor, 60% fair, 25% good, 1% excellent. Some acres still to be set. Growers beginning to irrigate. Corn entering critical pollen shed and silking stage of development. Many fields showing stress. Double crop soybean planting progressed well. Moisture needed for germination. Average height emerged beans 6 in. Wheat for grain 73% harvested, 70% 1985, avg. 54%. Sorghum 6% poor, 44% fair, 50% good. Pastures 9% very poor, 21% poor, 53% fair, 16% good, 1% excellent.

LOUISIANA: Temperature normal to 2° above normal. Temperature extremes 99°; 61°. Rainfall averaged 0.50 to 7.20 in.

Days suitable for fieldwork 4.8. Soil moisture 14% short, 63% adequate, 23% surplus. Corn good; 99% silked, 93% 1985, 86% avg. Corn 72% dough stage, 65% 1985, 53% avg.; 6% mature, 4% 1985, 9% avg. Sorghum 55% headed, 43% 1985, 35% avg.; 4% turning color, 2% 1985, 2% avg. Spraying for midge extreme northeast. Soybeans 91% emerged, 93% 1985, 89% avg.; 7% blooming, 5% 1985, 5% avg. Aerial blight reported west central. Sweetpotatoes fair to good; 96% planted, 97% 1985, 94% avg. Winter wheat fair; 99% harvested, 100% 1985, 98% avg. Hay 1st cutting 92% complete, 96% 1985, 91% avg.

Sheath blight rice, southwest. Sugarcane, pasture, livestock good; vegetables fair to good. Main activities: Planting soybeans, sweetpotatoes, baling hay, harvesting wheat, vegetables; weed, insect control. Stink bug problem corn, sorghum, vegetables.

MARYLAND & DELAWARE: Maryland: Temperatures averaged mostly 1 to 2° below normal except west central 1° above normal; lows high 40s to mid 50s, highs mid 90°'s. Precipitation averaged 0.44 in, ranging from 0.05 to 1.18 in.

Days suitable for fieldwork 6.5. Topsoil moisture very short to short except extreme west, adequate; subsoil moisture short to very short statewide. Small grains fair to good. Oats 67% turned, 100% 1985, 89% avg.; 9% harvested, 30% 1985, 19% avg. Oats 9% harvested, 30% 1985, 19% avg. Barley 93% harvested, 100% 1985, 81% avg. Wheat 54% harvested, 77% 1985. Rye 39% harvested, 60% 1985, 45% avg. Vegetable planting nearing completion for all crops. Cucumbers 18% harvested, 20% 1985, 12% avg. Snap beans 20% harvested, 35% 1985, 22% avg. Green peas 90% harvested, 100% 1985, 77% avg. Tobacco 88% transplanted, 100% 1985, 94% avg. Apple, peach crops good with slightly above average fruit set.

Delaware: Temperatures averaged mostly 2° below normal; lowest temperature 41° Dover; high temperatures near 90°. Precipitation averaged 0.55 in, ranging from 0.12 in. Wilmington to 0.88 Georgetown.

Days suitable for fieldwork 6.6. Topsoil moisture very short to short; subsoil moisture very short central and south, short north. Small grains fair to good. Wheat 39% harvested, 69% 1985, 34% avg. Barley 98% harvested, 100% 1985, 93% avg. Rye 55% harvested. Soybeans 88% planted, 73% 1985, 82% avg. Field corn 12% silked. Apple, peach crops good.

MICHIGAN: Temperatures ranged 3° below to 1° above normal. Temperature extremes 35°; 90°. Precipitation ranged from 0.20 to 3.30 in.

Days suitable for fieldwork 4.0. Soil moisture 5% short, 50% adequate, 45% surplus. Corn 2% very poor, 8% poor, 25% fair, 45% good, 20% excellent. Soybeans 98% planted, 100% 1985, 100% avg.; 2% very poor, 8% poor, 30% fair, 50% good, 10% excellent. Some replanting necessary. Wheat 2% very poor, 8% poor, 30% fair, 45% good, 15% excellent; 30% turning, 70% 1985, 30% avg. Widespread disease problems. Major farm activities: Haying, cultivating, ammonia sidedressing. Strawberry harvest 85% done. Hail storm hurt fruit West Grand Traverse Bay area.

MINNESOTA: Temperatures averaged near normal to 3° above normal. Temperature extremes 37°; 96°. Precipitation averaged 0.09 to 0.89 in. below normal. Greatest weekly total 2.03 in.

Days suitable for fieldwork 4.5. Topsoil moisture 4% short, 67% adequate, 29% surplus. Mild week with scattered showers helped crop development make big strides during week. Spring wheat 80% jointing, 90% 1985, 87% avg. Oats 62% heading, 69% 1985, 55% avg. Barley 27% heading, 53% 1985, 53% avg. Field corn 25 in. high, 22 in. 1985, 18 in. avg. Soybean 6 in. high, 6 in. 1985, 6 in. avg.

MISSISSIPPI: Temperatures 2 to 5° above normal, extremes 64°; 100°. Greatest 24-hour 5.00 in.

Days suitable for fieldwork 5.9, 5.0 1985, 3.8 avg. Soil moisture 5% very short, 46% short, 49% adequate. Corn 3% poor, 36% fair, 55% good, 6% excellent; 68% silking, 73% 1985, 56% avg.; 36% dough stage, 45% 1985, 32% avg. Wheat 92% harvested, 100% 1985, 100% avg. Sweetpotatoes 92% planted, 100% 1985, 93% avg. Peanuts 96% planted, 100% 1985, 100% avg. Watermelons 4% harvested, 20% 1985. Hay 38% harvested, 51% 1985, 47% avg. Peaches 19% harvested, 42% 1985, 33% avg. Corn silage 3% harvested.

MISSOURI: Temperatures averaged 2 to 3° above normal. Scattered thunderstorms early week and again on 20th provided up to 3.25 in rainfall.

Days suitable for fieldwork 6.0. Soil moisture 51% short, 48% adequate, 1% surplus. Corn tasseling 31%, 17% 1985, 6% avg. Double crop soybeans planted 54%, 46% 1985, 40% avg. Alfalfa 2nd cutting 42%, 35% 1985, 24% avg. Other hay cut 69%, 73% 1985, 62% avg. Oats harvested 26%, 8% 1985, 4% avg. Pasture 8% poor, 56% fair, 35% good, 1% excellent.

MONTANA: Warm, very dry, temperatures 3 to 9° above normal. Hottest east, readings over 100° midweek. No rain west, moderate to heavy amounts southwest, south central; other areas light amounts.

Days suitable for fieldwork 6.6. Spring crops need rain, topsoil moisture 69% short, 31% adequate. Winter wheat headed 86%, 85% 1985, 75% avg.; spring wheat headed 25%, 45% 1985, 30% avg.; barley headed 24%, 40% 1985, 25% avg.; oats headed 24%, 40% 1985, 25% avg. Sugarbeet thinning essentially complete. First cutting alfalfa 70% harvested, 65% 1985, 35% avg.; wild hay 30% harvested, 25% 1985, 10% avg. Grasshopper damage severe some northeastern, southeastern areas.

NEBRASKA: Precipitation amounts averaged 1.00 to 2.00 in. Temperatures 4° to 5° above normal. Temperature extremes 50°; 102°.

Days suitable for fieldwork 6.2. Topsoil moisture 58% short, 38% adequate, 4% surplus. Subsoil moisture 17% short, 81% adequate, 2% surplus. Corn good to excellent. Corn fields good, spraying selected fields for corn borer. Sorghum mostly good to fair. Some spraying for green bug infestations. Soybeans mostly good. Wheat good to fair. Wheat turning color 90%, 92% 1985, 80% avg. Leaf rust spread north, west little reduction in yield expected. Wheat ripe advanced rapidly 45%, 45% 1985, 20% avg. Harvesting most advanced southeast, southwest. Wheat harvested 9%, 6% 1985, 9% avg. Alfalfa mostly good to fair. First cutting 100%, 100% 1985, 95% avg. Second cutting 15%, 15% 1985, 9% avg. Pasture, range supplies mostly adequate. Livestock good, humid weather hard on them.

NEVADA: Warm, sunny days characterized weather pattern last week of June. All areas recorded above normal weekly averages. Extremes 50°; 118°. Precipitation light to non-existent during period.

Dry, sunny weather ideal for alfalfa hay harvest, quality excellent. Crop development small grains, vegetables accelerated by warm night temperatures. Irrigation water requirements at peak.

NEW ENGLAND: Precipitation 1.00 to 1.50 in. north, 0.25 to 0.75 in. south, 0.15 in. coastal. Temperatures ranged from lower 60° north to mid to upper 60° south, near normal.

Days suitable for fieldwork 6.0. Soil moisture 5% short, 75% adequate, 20% surplus. Grazing availability 5% short, 90% adequate, 5% surplus. Fieldwork on schedule. Cool weather slowed crop growth. Maine potatoes 100% emerged, 100% 1985, 100% avg.; good to excellent. Field corn 100% planted, 100% 1985, 100% avg. Emergence 95%, 100% 1985, 95% avg. Field corn fair to good north, good to excellent south. Sweet corn 95% planted, 100% 1985, 98% avg. First crop hay 70% cut, 65% 1985, 65% avg. Strawberries 70% picked. Wild blueberry fruit set average to heavy. Cranberries at peak bloom, good condition. Major farm activities: Haying, sidedressing corn, harvesting strawberries,

peas, cultivating, applying herbicides, insecticides.

NEW JERSEY: Temperatures averaged below normal north, central, above normal south. Extremes 40°; 95°. Rainfall averaged 0.10 in. north, 0.05 in. central, 0.41 in. south. Heaviest 24-hour total 0.48 in. on 24th, 25th. Estimated soil moisture percent field capacity averaged 66% north, 33% central, 46% south. Four inch soil temperatures averaged 65° north, 69° central, 70° south.

Scattered showers received but soaking rain still needed for unirrigated crops. Summer vegetable harvesting active. Blueberry volume good. Apples, peaches sizing; rain needed many orchards. Barley, rye combining, straw baling active. Soybean planting continued following grain harvest. Early planted soybeans, field corn in need of rain. Some corn curling. Hay, pasture growth continued limited.

NEW MEXICO: Average weekly temperatures 5° below normal south, near normal north. Temperatures 36° northern mountains to 96° southeastern plains. Flooding southeast, south central. All areas received rain. Precipitation 0.28 in. southern desert to 5.53 in. southeastern plains.

Days suitable for fieldwork 5.6. Soil moisture 38% short, 31% adequate, 31% surplus. Hail damage 73% none, 27% light. Alfalfa 20% fair, 70% good, 10% excellent. Corn 36% fair, 55% good, 9% excellent. Barley 14% fair, 86% good. Irrigated grain sorghum 13% fair, 74% good, 13% excellent. Dryland grain sorghum 33% fair, 67% good. Pecans 75% good, 25% excellent. Apples 40% fair, 60% good. Chile 20% fair, 60% good, 20% excellent. Onions 100% good; 25% harvested. Cattle 50% fair, 50% good. Sheep 44% fair, 56% good. Range 17% poor, 50% fair, 255 good, 8% excellent.

NEW YORK: Temperatures averaged near normal for week. Temperature extremes 38°; 91°. Rainfall also near normal, averaging around 0.50 in. across State.

Days suitable for fieldwork 5.0. Soil moisture adequate to surplus. Field crops showing stress due to lack of full sunlight, recent excessive soil moisture levels. First cutting alfalfa hay 60% harvested, 60% 1985, 58% avg. Clover-timothy hay 43% harvested, 37% 1985, 41% avg. Grass silage 66% harvested, 64% 1985, 64% avg. Oats fully headed. Wheat turning. Fruit crops good, sizing well. Sweet cherry harvest active. Apple set variable by variety. Pastures mostly good.

NORTH CAROLINA: Temperatures averaged 1° above normal Mountain Region; 3 to 4° above normal Piedmont Region; normal Coastal Plain Region. Temperature extremes 50°; 101°. Precipitation ranged from none to 1.69 in. across State.

Days suitable for fieldwork 6.4. Soil moisture 69% very short, 24% short, 7% adequate. Corn mostly poor to fair, leaves twisting, silking. Small grain harvest neared completion. Cotton mostly fair to good, squaring. Soybean planting average, mostly fair to poor. Dry weather affecting growth. Tobacco 12% poor, 62% fair, 26% good. Peanuts 47% fair, 53% good. Sorghum 89% planted, 90% 1985, 87% avg. Sweetpotatoes 8% poor, 34% fair, 58% good. Irish potatoes harvested 45%, 30% 1985, 42% avg.; 10% poor, 60% fair, 30% good. Apples 20% poor, 40% fair, 40% good. Peaches harvested 49%, 43% 1984, 46% avg. Hay 62% poor, 23% fair, 15% good. Truck crops 28% poor, 53% fair, 19% good. Pasture 65% poor, 22% fair, 13% good. Major farm activities: Cutting hay; harvesting small grains, Irish potatoes, peaches, truck crops; planting soybeans, sorghum, tobacco; irrigating crops; spraying soybeans, tobacco; cultivating tobacco, soybeans, corn, cotton, peanuts; topping, suckering tobacco; shearing Christmas trees; tending livestock; mowing; general farm maintenance.

NORTH DAKOTA: Continued warm. Severe weather brought golfball to baseball size hail north central, northeast 26th. Temperatures 1 to 6° above normal; low 40°; high 97° 24th, 25th. Showers and thunderstorms; trace east central to 1.72 in. south central.

Days suitable for fieldwork 5.9. Topsoil moisture bolstered by rains to near normal levels; very short 2%, short 26%, adequate 72%. Widespread hail damage. Late season crops mostly good, progressing at or ahead of normal. Small grains at least 73% good. Hard, red spring wheat in boot 33%, 38% 1985, 32% avg.; durum wheat in boot 27%, 39% 1985, 27% avg.; barley in boot 34%, 31% 1985, 30% avg. Pasture 33% fair, 65% good, 2% excellent. Main activities haying, cultivation.

OHIO: Temperatures averaged slightly below seasonal normals. Precipitation widespread, highly variable. Totals mostly 0.33 to 0.50 in.

Days suitable for fieldwork 6.0. Soil moisture 28% short, 67% adequate, 5% surplus. Corn good; 12 leaves unfurled, earliest stands about to develop tassels. Corn borer becoming prevalent. Soybeans good; finishing single crop acreage, starting double crop planting after wheat. Winter wheat condition declined mostly fair to good; scab, septoria, rust significant some counties. Oats good; 4% ripe, 8% 1985, 2% avg. Hay good; 1st cuttings ending, 2nd cutting just starting. Potato leaf hopper some alfalfa. Pastures fair; eastern areas too dry. Tobacco good; transplanting complete, need rain.

OKLAHOMA: Temperatures averaged normal southwest to 3° above normal northeast. Precipitation averaged 0.05 in. south central to 1.47 in. north central.

Days suitable for fieldwork 5.4. Topsoil moisture 10% short, 80% adequate, 10% surplus. Subsoil moisture 5% short, 95% adequate. Wheat 95% harvested, 95% 1985, 65% avg. Nearly 40% stubble plowed. Sorghum 35% fair, 65% good; 85% planted, 90% 1985, 90% avg. Hot, dry weather may soon cause stress. Moisture needed to maintain growth. Cotton 20% fair, 60% good, 20% excellent; 85% planted, 97% 1985, 90% avg.; 3% squaring, 15% 1985, 3% avg.; none setting bolls, none 1985, none avg. Repeated showers, washouts hampered planting. Pastures good. Grasses growing rapidly with warm weather, ample moisture. Grasshopper populations building. Cattle markets stable, prices improved substantially.

OREGON: Increased fair weather past week, temperatures rose. Southwest, north central areas near or over 10° above normal. Rest of State also above normal from 1 to 7°. Maximums east above 100°, while minimums northeastern mountains below 32°. Precipitation off markedly, ranging from a trace to maximum of 0.07 in. northeast where nearly all precipitation fell from thunderstorms. Rest State only light sprinkles, widely scattered.

Soil moisture 84% short, 16% adequate. Grains mostly fair to good. Some damage to grains from heat east. Spring crops need moisture. Barley harvest began east. Grass seed cutting west, central. Crimson clover harvest Willamette Valley. Alfalfa haying continued, slowed by thunderstorms far east; some heavy weevil damage Jefferson. Quality high with irrigation. Peppermint looks good west. Field corn growing well Jackson County. Fresh pack cherries 80% finished The Dalles. Harvest continued all other areas. Ending strawberry harvest, hot weather hurt yields; severe shortage of pickers some areas. Raspberry, most other caneberries being harvested. Red raspberry quality good. Blueberries doing well, coloring.

Excellent fruit set of cranberries. Spraying for filbert worms, codling moth. Bartlett pear crop poor Hood River. Fruit sizing nicely Jackson. Perfect weather for good vegetable development western areas. Irrigation at full capacity. Broccoli harvest for fresh, processing continued. Green pea harvest progressed all growing areas. Snap beans, sweet corn developing well. Hermiston area watermelons growing well. Frost caused slight damage to some central area potato fields, most fields growing well. Malheur County potato crop good set; onions started to bulb. Livestock good to excellent. Some cattle movement to feedlots. Nonirrigated pastures mainly dried out west, little growth; irrigated pasture good to excellent. Range fair to good east, low elevations dry, high elevations much better. Many grasshopper spray programs.

PENNSYLVANIA: Warm, dry week. Weak cold front slipped across State midweek. Average temperature 68°, normal 68°. Temperature extremes 39°; 93°. Average precipitation 0.40 in., 0.53 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 51% short, 41% adequate, 8% surplus. Corn 1% very poor, 6% poor, 19% fair, 55% good, 19% excellent. Average corn height 26 in., 23 in. 1985, 18 in. avg. Soybeans 95% planted, 96% 1985, 91% avg. Soybean 1% very poor, 6% poor, 28% fair, 55% good, 10% excellent. Barley 8% headed, 32% turning yellow, 29% ripe, 31% harvested; 1985 8% headed, 34% turning yellow, 26% ripe, 32% harvested. Wheat 23% headed, 67% turning yellow, 9% ripe, 1% harvested; 1985 19% headed, 67% turning yellow, 14% ripe. Wheat 2% poor, 22% fair, 50% good, 26% excellent. Oats 82% heading, 17% turning yellow, 1% ripe; 1985 82% heading, 14% turning yellow, 4% ripe. Oat 1% very poor, 5% poor, 29% fair, 47% good, 18% excellent. First cutting alfalfa 89% complete; 1985 84%. Second cutting alfalfa 24% complete; 1985 23%. First cutting clover-timothy 79% complete; 1985 72%. Quality of hay good to fair. Feed from pastures average to below average. Activities: Making hay, haylage; planting soybeans in small grain stubble; spraying corn, soybeans, potatoes; harvesting barley, cherries, wheat, vegetables; clipping pastures; cultivating tobacco.

PUERTO RICO: Island average rainfall 0.32 in. or 0.90 in. below normal. Highest weekly total 1.88 in. Highest 24- hour total 1.16 in. Temperature averaged about 81 to 82° on coasts and 76° interior divisions. Mean station temperature ranged from 67 to 84° Extremes 59°; 93°. San Juan mean temperature 82° minus 1°. Total rainfall 0.59 in.; minus 0.46 in.

SOUTH CAROLINA: Temperatures 2 to 4° above normal. Highs reached 100 °. Scattered localized showers, amounts unevenly distributed, trace to more than 1.00 in. Heaviest rainfall north midlands, coast and mountains.

Days available for fieldwork 5.9. Soil moisture 58% very short, 35% short, 7% adequate. Cotton planted 100%, 74% squaring, 89% 1985, 83% avg.; 34% setting bolls, 37% 1985, 30% avg.; 2% very poor, 33% poor, 46% fair, 19% good. Soybeans planted 88%, 92% 1985, 89% avg.; 6% very poor, 12% poor, 66% fair, 16% good. Tobacco fair to good; 54% topped, 63% 1985, 60% avg. Corn poor to fair; 78% silked, 91% 1985, 76% avg.; 27% dough stage, 40% 1985, 31% avg.; 4% mature,9% 1985. Peaches fair; 45% harvested, 34% 1985, 30% avg. Wheat 97% harvested, 98% 1985, 92% avg. Peanuts fair. Melon harvest full swing.

SOUTH DAKOTA: Average temperatures 2 to 6° above normal. Extremes 39°; 98°. Black Hills low 27°. Precipitation mostly widespread and light, some isolated heavy showers; generally less than 1.00 in. statewide.

Days suitable for fieldwork 5.5. Topsoil moisture mostly short to adequate; surplus east central; 4% critically short, 33% short, 55% adequate, 8% surplus. Subsoil moisture mostly adequate; areas of surplus east, short central and west. Cutworms reported corn, sunflowers. Tan spot, septoria leaf spot, and leaf rust reported in wheat. Ranges, pastures good to excellent. Livestock good. Feed, stockwater supplies adequate to surplus.

TENNESSEE: Rainfall southern half State, amounts light. Temperatures above normal west, middle; subnormal east.

Days suitable for fieldwork 5.7. Soil moisture 31% very short, 44% short, 25% adequate. Corn 35% tasseling, 40% 1985, 20% avg.; dough 3%, 5% 1985, 2% avg.; 9% poor, 46% fair, 37% good, 8% excellent. Cotton 45% squaring, 55% 1985, 45% avg.; 10% poor, 28% fair, 62% good. Sorghum 96% planted, 98% 1985; 4% poor, 45% fair, 49% good, 2% excellent. Soybeans 85% planted, 90% 1985, 85% avg.; 4% very poor, 4% poor, 58% fair, 34% good. Wheat 98% ripe, 100% 1985, 98% avg.; 80% harvested, 80% 1985, 75% avg. Tobacco 98% transplanted, 100% 1985, 100% avg.; 5% very poor, 22% poor, 66% fair, 7% good. Cattle good. Pastures fair.

TEXAS: Tropical system Bonnie drenched eastern rice growing areas, east. Growers west Pecos contend with heavy rains slow-moving upper air system. Rains also damaged large area cotton, other crops southern Low Plains. Rolling Plains, Cross-Timbers, Northern Blacklands continued dry previous rains earlier month. Humid air dominated parts State. Most east above normal rainfall as well Trans-Pecos. Rest State at or below normal. Below normal temperatures west, south, Lower Valley. Remainder near normal.

Crops: Wheat harvest progress Plains, despite high humidity. Many producers nearing final stages average yields. Harvest winding down Cross-Timbers, Northern Blacklands. Heavy weed populations harvest problems. Corn good progress. Some problems east because recent rain. Irrigation begin soon Plains. Prospects good all State. Doughing 60%, 54% 1985. Dented 42%, 35% 1985. Mature 11%, none 1985. Grain sorghum planting increasing Plains, despite humid conditions. Planted fields good start. Excellent progress Cross-Timbers, Blacklands. Some later fields increased midge. Fields turning color Blacklands, central, south. Some yellowing east from all rain. Some late planting Hill Country. Harvesting operations continued Valley, Coastal Bend, spreading south central. Harvesting also underway Upper Coast. Headed 58%, 57% 1985, 58% avg. Turning color 46%, 32% 1985, 37% avg. Mature 23%, 11% 1985, 14% avg. Harvested 4%, 2% 1985, 2% avg. Cotton planting resuming Plains, Cross-Timbers. Some replanting necessary because heavy rains. Fields could use warmer temperatures. Most fields late, but up to stands, squaring. Insects slowing boll sets Blacklands. Growth good. Fields central, south setting bolls. Bolls opening Coastal Bend, Rio Grande Valley, insect pressures on rise. Open bolls 1%, none 1985, none avg. Most rice fields Upper Coast missed by hurricane; some lodging high winds, heavy rain. Fertilization continued. Turning color 3%, none 1985, 2% avg. Peanut planting increasing Cross-Timbers, south Texas. Planted fields good stands, growth. Planted 69%, 96% 1985, 85% avg. Early soybeans good start Plains. Large amount replanting Upper Coast. Fields blooming.

Other Field Crops: Soybeans 79% planted, 86% 1985, 83% avg. Sunflowers 72% planted, 95% 1985, 83% avg. Oats 65% harvested, 89% 1985, 80% avg.

Commercial Vegetables: Rio Grande Valley melon harvest about over. Harvest cucumbers, tomatoes light. Harvest also occurring squash, okra. Land preparation fall crops underway. San Antonio-Winter Garden onion, melon harvest continued. Melon quality poor. East vegetable harvest continued. Yields good; diseases on rise. Melons look good. High Plains onion harvest underway. Potato, cucumber harvest Knox-Haskell area. Other vegetables making good progress. Trans-Pecos harvest cantaloups, onions delayed by rain. Cabbage harvest about complete. Peach harvest continued good quality, low production. Pecan trees make good progress; nut sets lighter than last year. Nuts sizing well. Second spray casebearers underway. Aphids increase.

Range and Livestock: Range, pasture grasses improving, conditions west also improving with recent moisture. Hill Country could use additional moisture for added growth. Haying operations increasing with open weather. Livestock conditions continued improve.

UTAH: Temperatures above normal. Maximums 3 to 6° above, minimums 1 to 4° above. Precipitation light south, none other divisions.

Days suitable fieldwork 6.8. Topsoil moisture 69% short, 31% adequate. Crop development 1 week ahead normal. Winter wheat 69% fair, 28% good, 3% excellent; spring wheat 44% fair, 52% good, 4% excellent; barley 24% fair, 74% good, 2% excellent; oats 4% fair, 82% good, 14% excellent; corn generally good, needs rain. Winter wheat 89% turning, 99% 1985, 89% avg.; 6% ripe, none 1985, none avg.; spring wheat 86% headed, 71% 1985, 52% avg.; barley 92% headed, 90% 1985, 63% avg.; oats 49% headed, 62% 1985, 30% avg. Alfalfa 2nd crop 3% cut, other hay 70% cut. Range feed good. Livestock good. Major farm activities: Irrigation, cultivation, field spraying, picking fruit, grain harvest south.

VIRGINIA: Temperatures near normal. Range 43 to 100°. Precipitation scattered, mostly light. Range none to 0.52 in.

Days suitable for fieldwork 6.0. Soil moisture 100% short. Drought conditions prevalent statewide, worst east. Corn 13% silked, 26% 1985, 21% avg.; mostly poor to fair. Corn east twisting, leaves dying, growth slow. Soybean planting slow, 80% complete, 89% 1985, 86% avg.; poor to fair. Germination slow, spotty. Peanuts still good to excellent. Flue-cured tobacco good to excellent, slowly declining. Irrigation active. Burley tobacco poor to good, still transplanting some areas. Apples mostly good, may size small due to drought. Potatoes vary, poor to good. Barley 96% harvested, 94% 1985, 90% avg. Wheat 78% harvested, 77% 1985, 69% avg. Pastures very poor east, fair southwest. Many feeding hay, selling livestock due to inadequate pastures. Hay very poor east, fair southwest. Hay growth very slow.

WASHINGTON: Warm, dry throughout State. Average temperatures 1 to 7° above normal. Precipitation none to 0.01 in.

Days suitable for fieldwork 7.0. Soil moisture 60% short, 40% adequate. Winter wheat, barley good to fair. Scattered drought stress small grains. Strawberry, cherry harvests continued, blueberries started. Some spring frost damage, strawberries. Severe November freeze damage; blueberries, raspberries. Range, pasture 25% short, 75% adequate. Grasshopper infestation eastern rangeland, some heavy. Livestock mostly good.

WEST VIRGINIA: Temperatures near normal statewide, 2° above normal southwest division. Temperature extremes 36° Greenbank, 97° Williamson. Average temperature 71°. Precipitation showery. All divisions averaged well above normal, except southwest, northeast. Greatest amount 4.57 in. Elkins.

Days suitable for fieldwork 5.3. Soil moisture 37% very short, 37% short, 26% adequate. Feed supplies 40% short, 60% adequate.

WISCONSIN: Temperatures averaged 68° slightly below normal, low 32°, high 94°. Rainfall 0.50 to 3.40 in., up to 6.50 in. some areas.

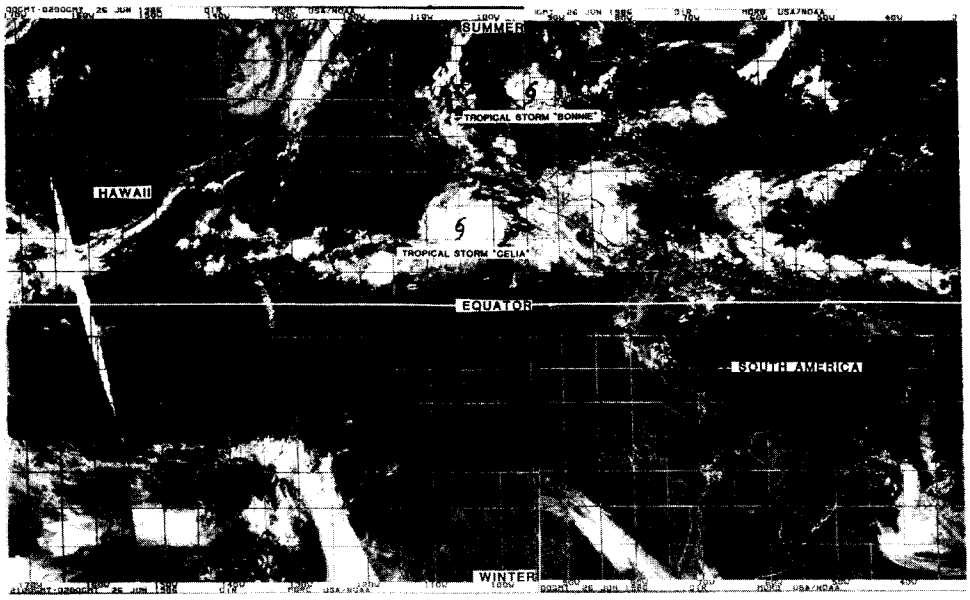
Days suitable for fieldwork 4.9. Soil moisture 21% short, 73% adequate, 6% surplus. Crops 2% very poor, 3% poor, 14% fair, 72% good, 9% excellent. Corn 2% very poor, 3% poor, 9% fair, 67% good, 19% excellent. Humid weather favors growth, average height 22 in. First cutting hay 84%, 87% 1985, 77% average. Oats 75% headed, 64% 1985, 46% avg. Wet weather slows haying. Winter wheat turning, good condition.

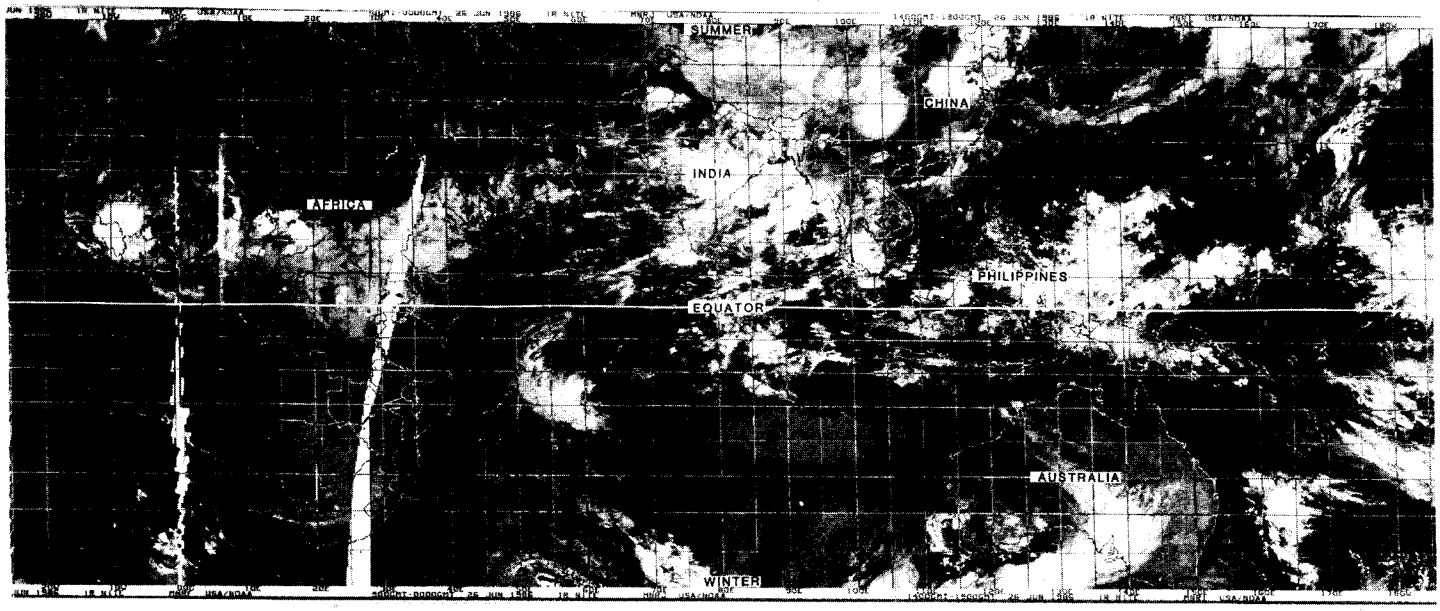
WYOMING: Temperatures 2 to 10° above normal. Precipitation below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 44% short, 56% adequate. Winter wheat booted 15%, 10% 1985; headed 85%, 90% 1985, 75% avg. Barley not jointed 20%, 10% 1985; jointed 10%, 20% 1985; booted 20%, 20% 1985; headed 50%, 50% 1985, 35% avg. Spring wheat not jointed 5%, 10% 1985; jointed 40%, 20% 1985; booted 35%, 25% 1985; headed 20%, 45% 1985. Oats not jointed 15%, 15% 1985; jointed 35%, 15% 1985; booted 35%, 35% 1985; headed 15%, 35% 1985, 20% avg. Sugarbeets thinned 90%, 95% 1985. Alfalfa 1st cutting 40%, 50% 1985, 30% avg. Other hay harvested 10%, 20% 1985, 10% avg. Crops mostly good. Livestock good to excellent. Pasture, ranges 15% fair, 80% good, 5% excellent.

Global Weather Satellite Image

JUNE 26, 1986





International Weather and Crop Summary

June 22 to 28 1986

HIGHLIGHTS:

1. UNITED STATES ... Dryness causes crop stress and adverse corn pollination in the Southeast. Drier weather pushes wheat harvest ahead of normal and slows the spread of disease in the Corn Belt. Soil moisture is generally adequate except in the Southeast and in the Delta.

2. U.S.S.R. ... Showers over the eastern half of the Ukraine and the North Caucasus come too late for maturing winter grains but help to stabilize spring grain conditions. In the New Lands, unseasonably warm weather promotes growth.

3. EUROPE ... Unseasonably warm weather covers northern France and West Germany, increasing crop moisture requirements.

4. SOUTH ASIA ... Widespread rain benefits eastern autumn rice but floods the west coast again.

5. EASTERN ASIA ... The first significant rain of the growing season falls on crops in parts of the North China Plain. Showers benefit corn and soybeans in the northeast.

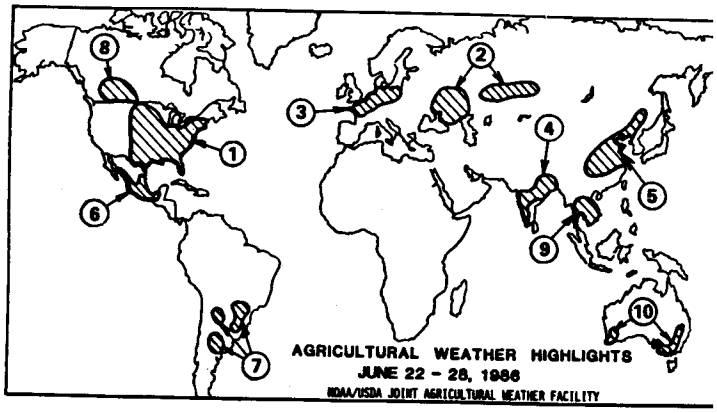
6. MEXICO ... Showers in the Southern Plateau corn belt favor crop establishment.

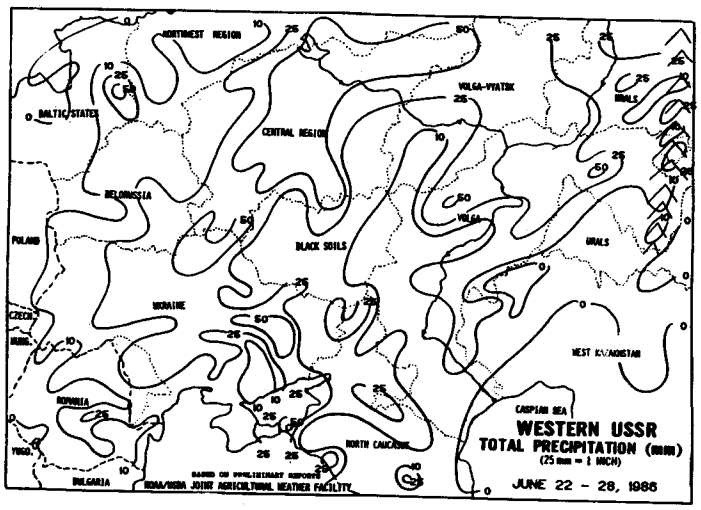
7. SOUTH AMERICA ... Dryness persists over Argentina's southern wheat area. Showers help wheat emergence in the east. More rain falls in southern Brazil. Dry weather favors Brazil's citrus and coffee harvests.

8. CANADA ... Light showers help vegetative growth of Prairie grain crops. A brief hot spell ends by the weekend.

9. SOUTHEAST ASIA ... Highly variable rain falls throughout the region. Moisture is generally adequate for rice and corn in Thailand.

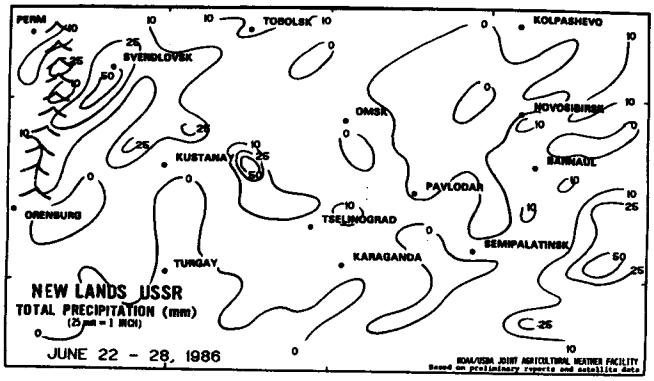
10. AUSTRALIA ... Dryness hampers wheat emergence in the east. Rain favors crop establishment in the west.

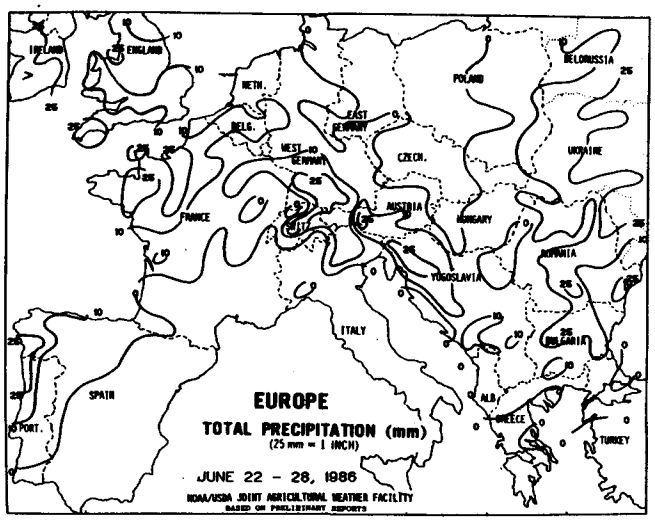




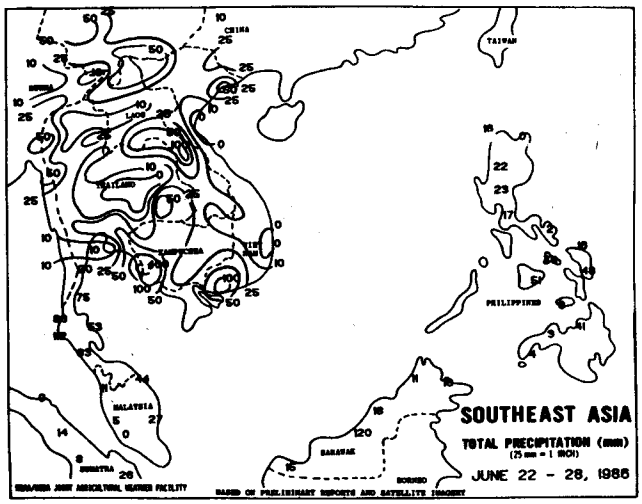
U.S.S.R. ... Cool weather continued to cover crop areas in Western U.S.S.R. An early-week storm system moved across northern crop areas and produced wet weather (33 to 76mm) over eastern Belorussia, the north-central Ukraine, and the Central Region. The rain in these areas benefited spring grains entering the heading stage. Unfavorably dry weather continued over crop areas in the western Volga and eastern Black Soils Region. By week's end, a storm system developed over the Ukraine, producing the first substantial rains (10 to 38mm) since mid-May over the eastern half of the Ukraine and northern North Caucasus. The rain in these areas probably came too late to help maturing winter grains but helped to stabilize crop conditions for spring grains in the filling stage.

In the New Lands, wet weather continued over spring grain areas in the northern Urals, benefiting the crop in the jointing stage. A warming trend accompanied mostly dry weather over the remainder of the region. Maximum temperatures by week's end rose to around 30 degrees C in crop areas from Orenburg, through Omsk, into Novosibirsk. The warmer weather promoted crop growth, following unseasonably cool, wet weather which had covered the region since the beginning of the growing season.

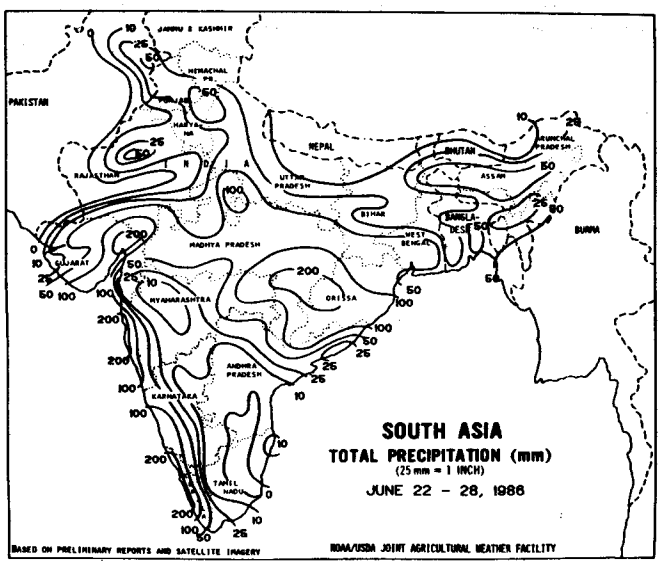




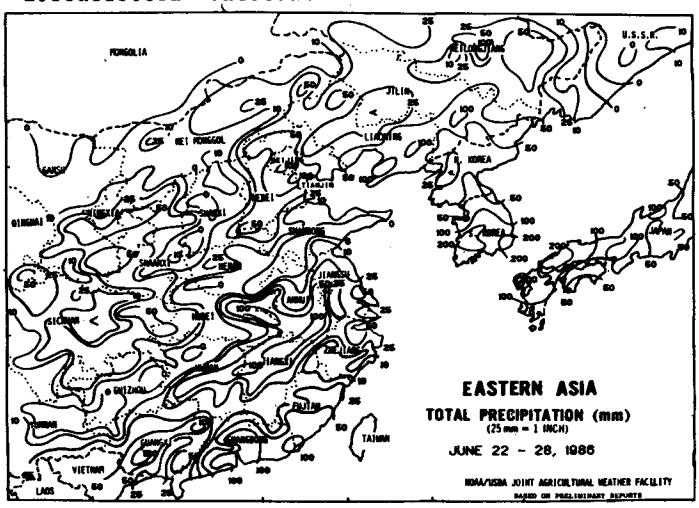
EUROPE ... Early-week showers fell over southern England, northern France, and Belgium, benefiting crop growth. However, by week's end, the weather turned unseasonably warm and dry. Day highs in northern France reached 33 degrees C, while in northern West Germany, maximum temperatures were lower (29 degrees C). The warm weather stimulated growth but increased crop moisture requirements. Further east, dry weather covered East Germany, Poland, Czechoslovakia, and Hungary. Crops had to rely on adequate soil moisture supplies for growth. Elsewhere, dry weather in southwestern France was unfavorable for corn in the vegetative stage but aided wheat harvesting in Spain and peninsular Italy.



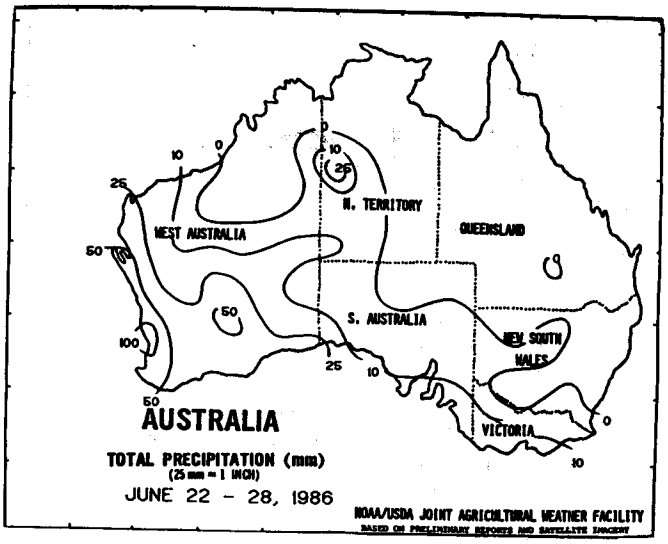
SOUTHEAST ASIA ... Rainfall was highly variable over Southeast Asia resulting from a relatively weak monsoon circulation over the region. Locally heavy showers (greater than 100mm) fell along the south coast of Kampuchea and Vietnam. Beneficial showers (25 to 40mm) fell to the north of Bangkok, favoring corn and rainfed rice. Minimal rain (less than 10mm) fell across nearly all of central Thailand from Laos to Burma. Heavier showers fell over portions of the northern highlands of Thailand, and locally heavy rain (50 to 130mm) fell over central Laos. In the Philippines, mostly dry weather covered northern Luzon while showers (10 to 30mm) helped rice growth in central Luzon. Heavier tropical showers covered over the southern islands.



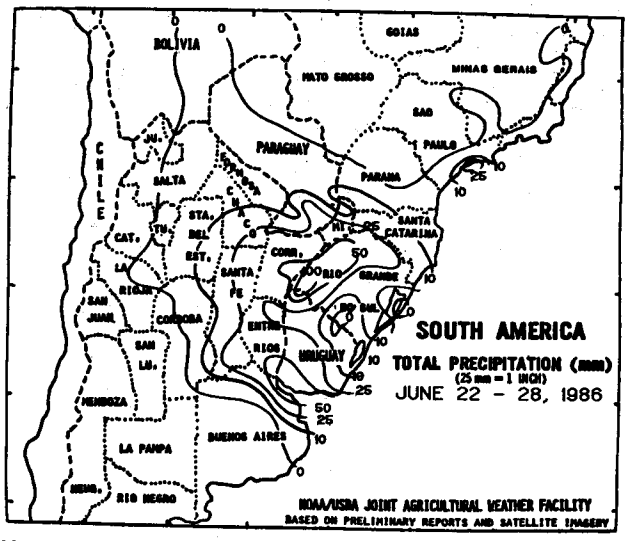
SOUTH ASIA ... Rain fell over nearly all of India due to a tropical low pressure system in the west and a vigorous monsoon circulation over the remainder of the country. Monsoon rains produced 100 to over 150mm of weekly rainfall in Orissa and eastern Madhya Pradesh, providing abundant moisture for rainfed autumn rice. Substantial showers (50 to 100mm) fell as far north as West Bengal and southern Bihar. Excessive rains (200 to 250mm) caused additional flooding along the west coast of Maharashtra, Karnataka, and Kerala. Mostly dry weather covered in Tamil Nadu and southern Andhra Pradesh where cotton planting is likely underway. The tropical storm produced locally heavy rain from Gujarat to Punjab and extreme northeastern Pakistan.



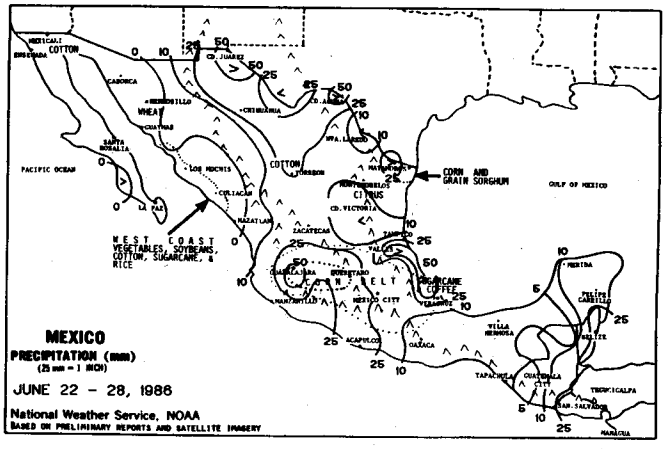
EASTERN ASIA ... The first substantial rains of the growing season covered crop areas that stretched northeastward from northern Henan, through Hebei and Beijing. Rainfall in these areas ranged from 25 to 50mm with isolated areas receiving more than 100mm. Although local flooding is possible, the rain was mostly beneficial, helping to increase moisture supplies. Showers (25 to 50mm) in corn and soybean areas of the northeast relieved persistent dryness. Heavy rains (100 to 200mm) in Korea and western Japan were produced by a frontal system and showers from the remnants of typhoon Nancy. Flooding is likely in these areas.



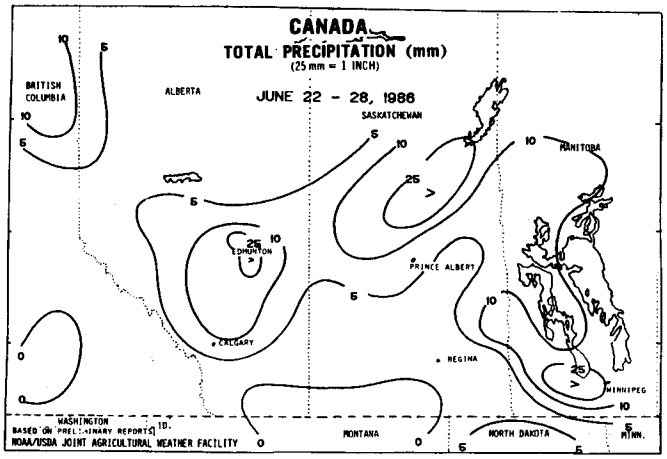
AUSTRALIA ... Significant showers fell in Western Australia, providing adequate topsoil moisture for wheat planting and emergence. Rainfall diminished to the east with moderate showers (10 to 44mm) confined to coastal areas of South Australia and Victoria. Light, scattered showers fell in southern New South Wales, but unfavorable dryness persisted from central New South Wales northward into wheat areas of southeastern Queensland. Wheat planting and emergence have been hampered in the east by below average rainfall during the planting season. New South Wales' crop is only about 50 percent planted. Planting can extend into July, but rain is needed for establishment of the wheat crop.



SOUTH AMERICA ... The weather pattern did not change again over the crop areas of Argentina and south-central Brazil. Dry, mild weather prevailed over Brazil's major wheat areas of Parana and citrus and coffee areas of Sao Paulo and Minas Gerais. Showers fell over Rio Grande do Sul, the other major wheat producing state. Locally heavy rain (50 to 100mm) fell along the western border with Argentina and Uruguay. In Argentina, rain (15 to 30mm) fell over eastern wheat growing areas of Santa Fe and extreme northeastern Buenos Aires. Dry weather persisted over western and southern wheat areas of Cordoba and Buenos Aires, respectively. Moisture is limited in the south for wheat establishment.

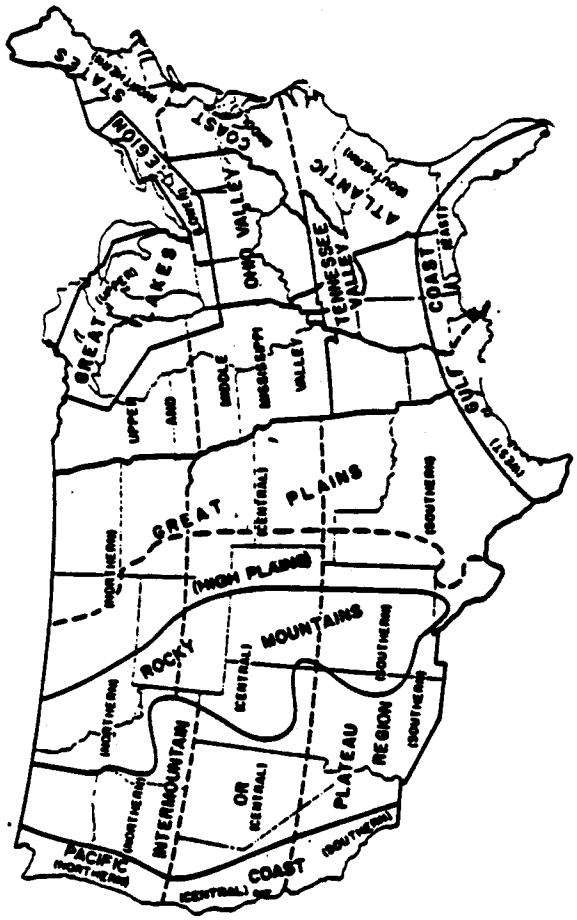


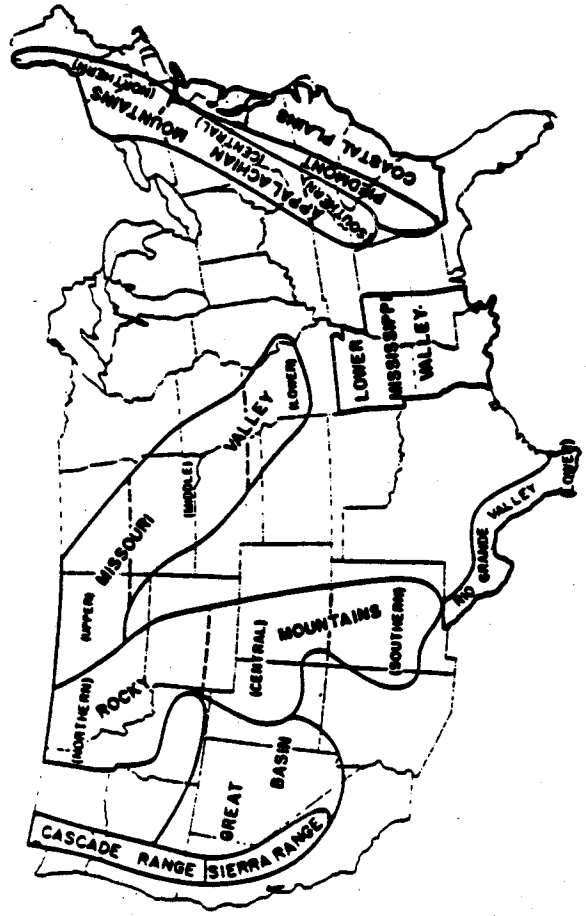
MEXICO ... Widespread showers brought beneficial moisture to western portions of the Southern Plateau corn belt, favoring crop emergence following earlier dryness. Showers in the eastern corn belt maintained favorably moist conditions for early growth. Dry weather continued along the west coast farming region, allowing unimpeded fieldwork in the vegetable growing areas. Substantial rain fell over north-central Mexico, generally east of the mountains. The moisture promoted rangeland growth. Mostly light showers covered the northeast where corn and sorghum are maturing.

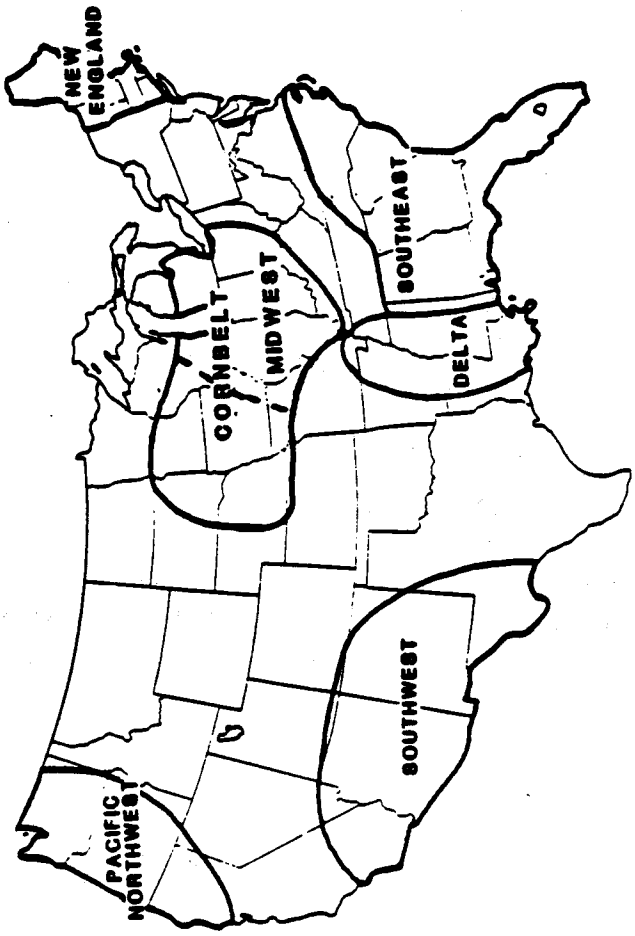


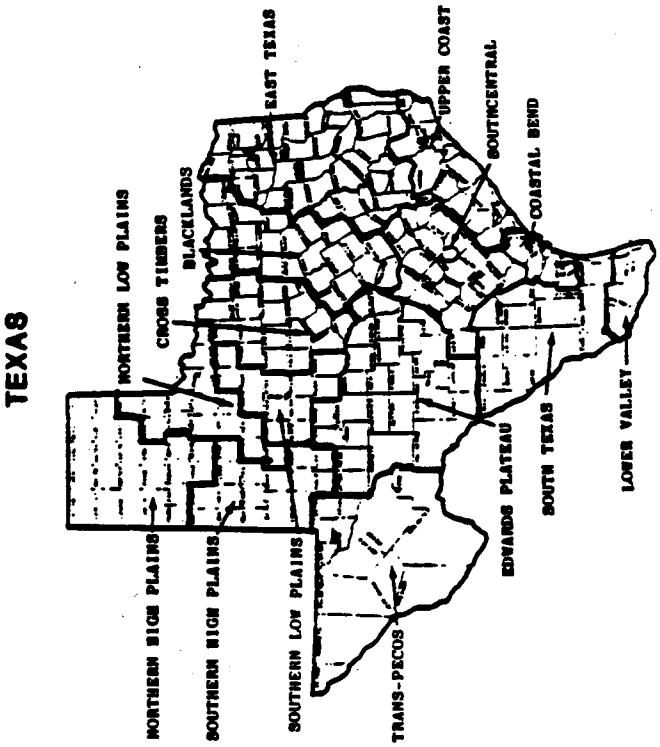
CANADA ... Substantial showers (10 to 40mm) fell in southwestern Manitoba, extreme northern crop areas of Saskatchewan and northwestern Alberta. Light showers (mostly less than 5mm) fell over a major portion of the Prairie grain belt. Topsoil moisture is generally adequate for wheat's vegetative growth phases, but reserves are limited, especially in the southwest. Weekly rainfall amounts were mostly below average, while temperatures averaged near normal for the week. Hot weather for several days during midweek promoted growth but increased the rate of crop moisture usage. Cooler weather moved into the region late in the week, alleviating the brief episode of heat stress. Spring wheat ranged mostly from tillering to jointing.

AREA NAMES COMMONLY USED IN WEEKLY WEATHER & CROP BULLETIN









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

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

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National Weather Service/Climate Analysis Center
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WEEKLY NEWS BULLETIN
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ISSN 0043 1974