

WEEKLY WEATHER AND CROP BULLETIN

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

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

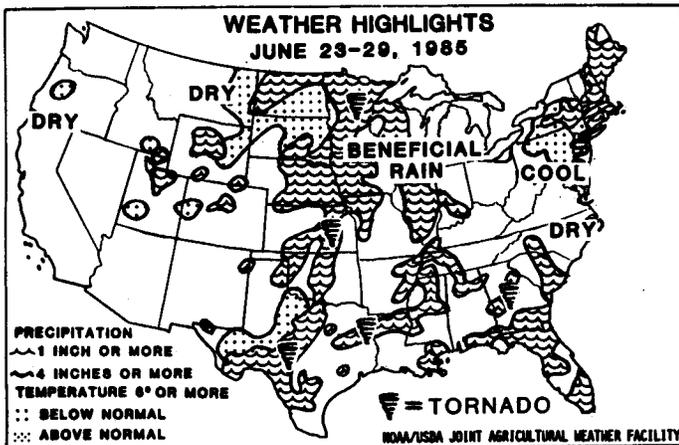
Volume 72, No. 26

WASHINGTON, D.C.

July 2, 1985

National Weather Summary

June 23 - 29, 1985



Minnesota and through Wyoming. Lesser storms were widespread through the central and northern Plains and Rockies and across the South. Showers continued in New England. Cool weather continued in the northern Rockies, and afternoon temperatures reached the nineties in southern Minnesota.

WEDNESDAY...Showers, thunderstorms, and occasional severe weather reached from north-central Texas to the upper Mississippi Valley and the northern Plains. Widely scattered thunderstorms continued along the gulf coast, and showers fell in New England. Unusually warm weather reached to the western Great Lakes.

THURSDAY...A slow-moving cold front continued to trigger thunderstorms through the Mississippi Valley, the northern Plains and from central Texas to Florida. Another storm off the northeastern coast triggered showers from New England to Virginia. Unusually cool weather covered the northern High Plains and the central Rockies.

FRIDAY...A storm moving southward along the northeastern coast caused light to moderate rainshowers from New England to eastern Virginia. The near stationary frontal system continued to trigger showers and thunderstorms from Wisconsin to Alabama, Florida, and Georgia as well as North Dakota and Minnesota. Record cool temperatures continued in the central Plains.

SATURDAY...Light showers continued in the Northeast, and a storm in the Southeast triggered showers and thunderstorms from northern Florida through North Carolina. Record-low temperatures were measured in the early morning from Ohio to Texas, but afternoon highs reached seasonal normals in the southern Plains.

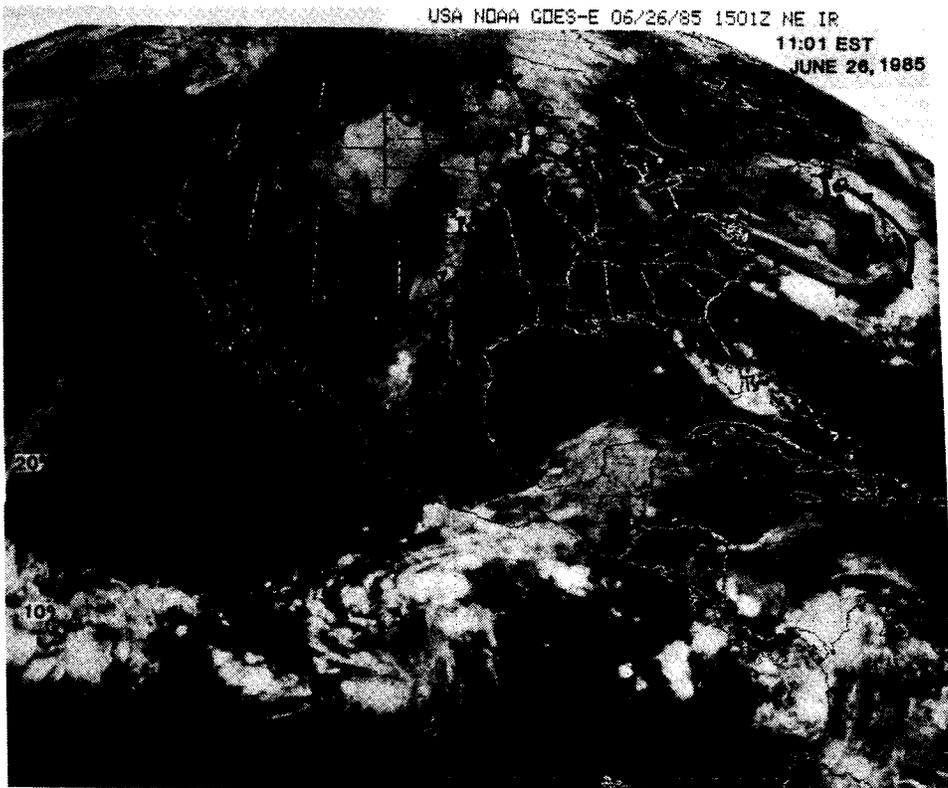
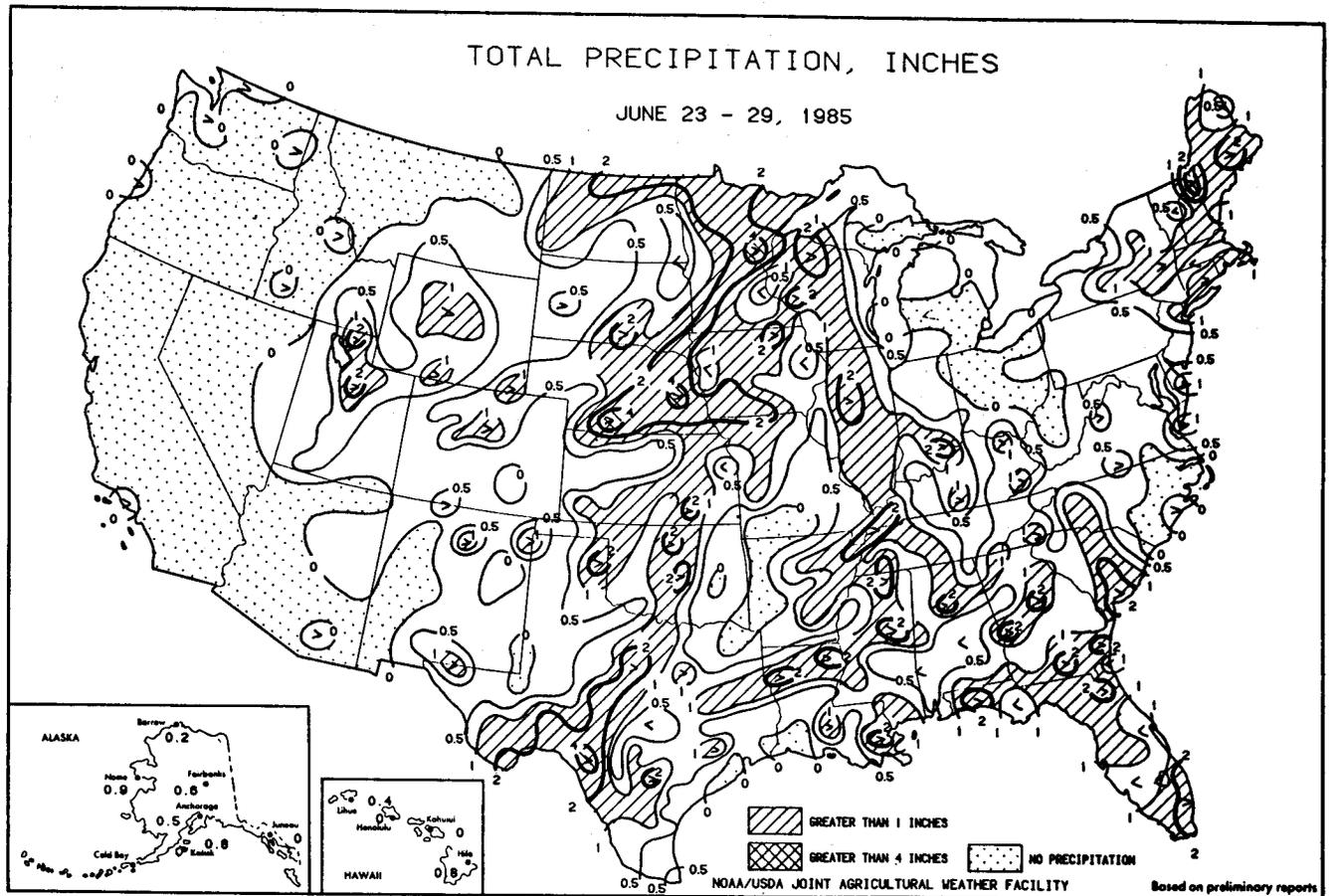
HIGHLIGHTS: Showers and thunderstorms spread through the Plains, the central Rockies, and the Southeast. A storm system moved southward along the northeastern coast and caused light-to-moderate showers and a few thundershowers from New England to eastern Virginia. Severe weather spread throughout the Plains and Southeast but were most violent from Nebraska through Minnesota, and into Wisconsin. Tornadoes also struck across the South from Texas to Florida. In spite of the widespread thunderstorms some parts of the east central Plains had little or no rain. Most of the Nation averaged cooler than normal temperatures. Cold air pushed southward from Canada and finally covered the Rockies and the Plains. The storm off the northeastern coast brought cool weather into the Northeast which spread southward.

SUNDAY...Showers and thunderstorms developed from northeastern Kansas and southeastern Nebraska, through southern Iowa and Missouri, to Indiana and southern Michigan. Lighter showers fell in the Northeast, and widely scattered thunderstorms developed from eastern Texas along the gulf coast to Florida.

MONDAY...Strong thunderstorms developed ahead of a cold front moving through the Northeast, and showers reached southward to the Maryland coast. Later, thunderstorms developed through the Ohio and Tennessee Valleys and again from eastern Texas to Florida. Showers and thunderstorms popped up through most of the Rockies and the northern Plains. Unusually cool weather moved into the northern Rockies, but afternoon highs exceeded 100 degrees in parts of the northern Plains.

TUESDAY...Thunderstorms were heavy and accompanied by severe weather from northeastern Kansas through

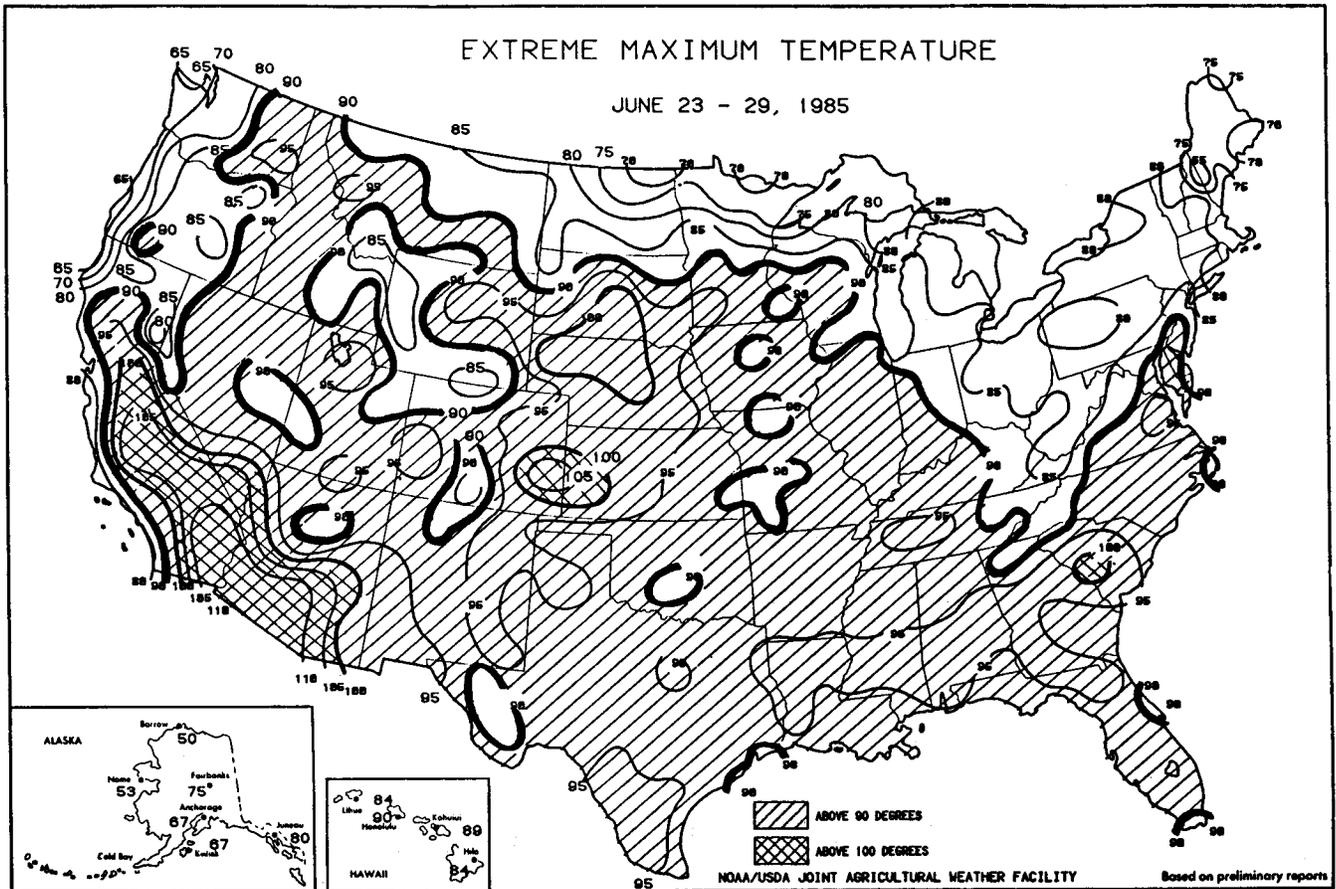
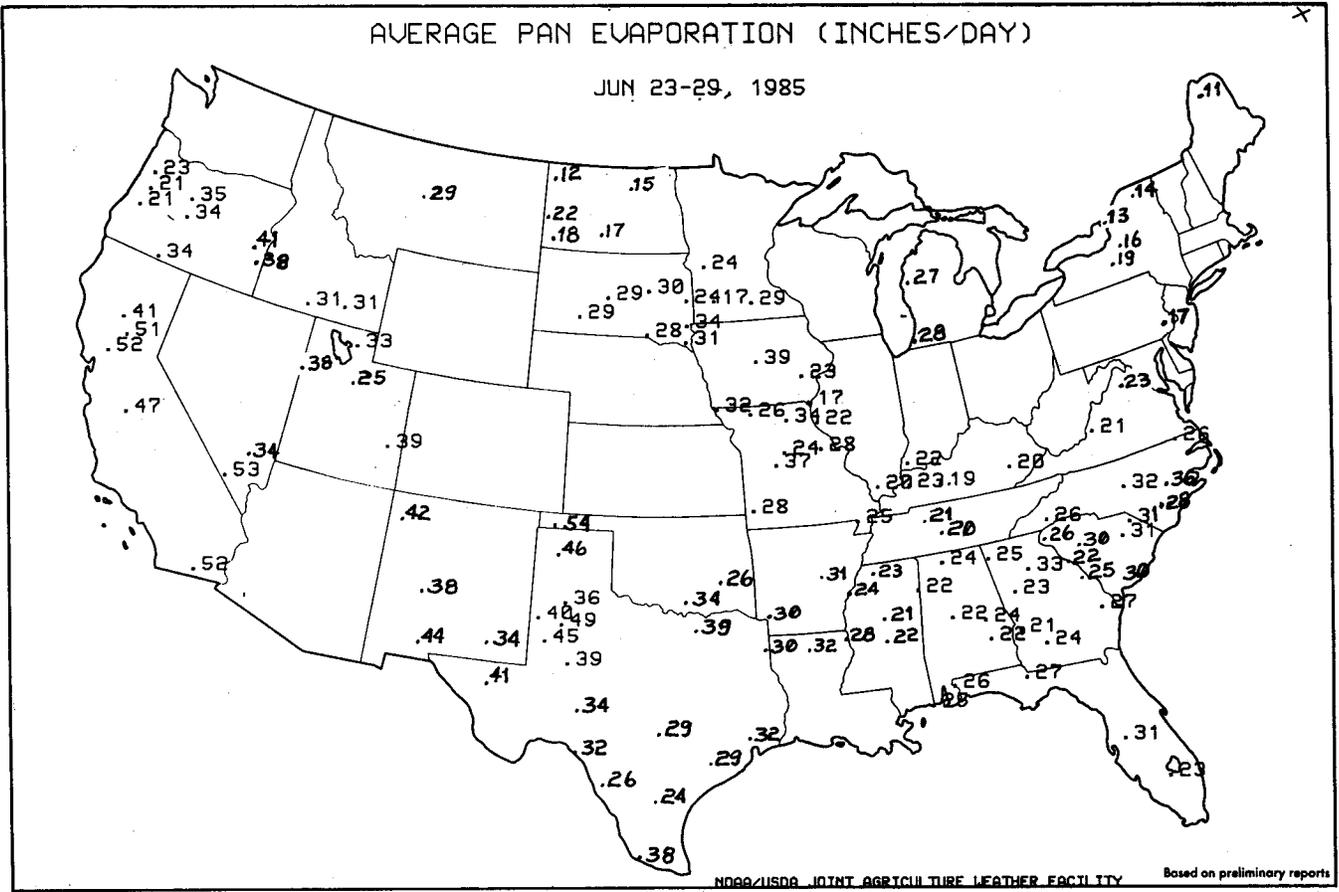
Contents	Page
National Weather Summary	1
Precipitation & North America Satellite Photo	2
Pan Evaporation & Extreme Maximum Temperature	3
Average Temperature & Departure	4
Corn Growing Degree Days & Departure	5
Crop Moisture & Crop Moisture Index	6
Drought Severity & Drought Severity Index	7
Precipitation Needed to End Drought & Area Names	8
Weather Data for Selected Cities	10
Cooling Degree Days Table	13
Cooling Degree Days Maps	14
National Agricultural Summary	15
Crop Progress Tables	16
State Summaries of Weather & Agriculture	17
Global Weather Satellite Photo	24
International Weather & Crop Summary	25
Subscription & Mailing Permit Information	28

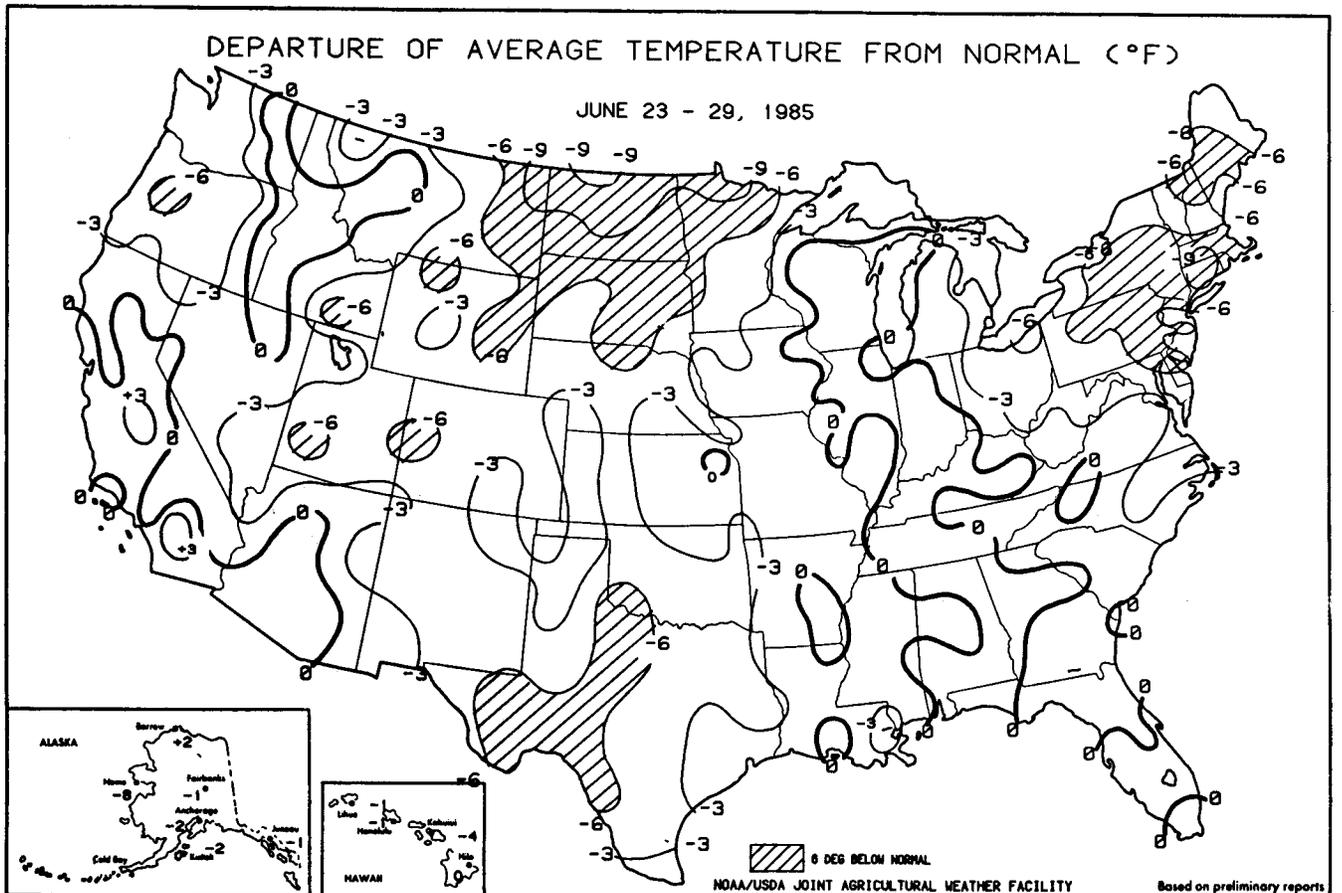
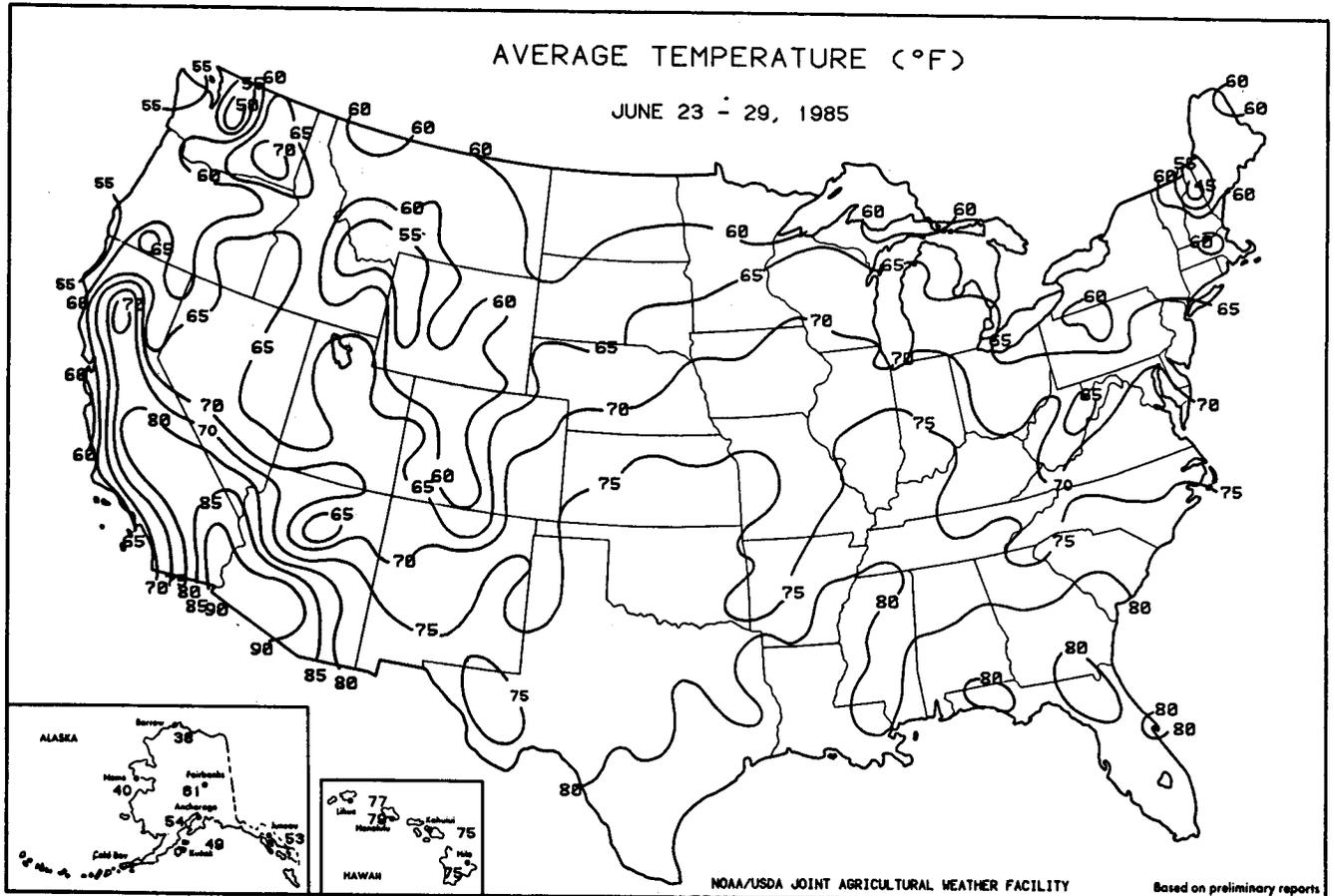


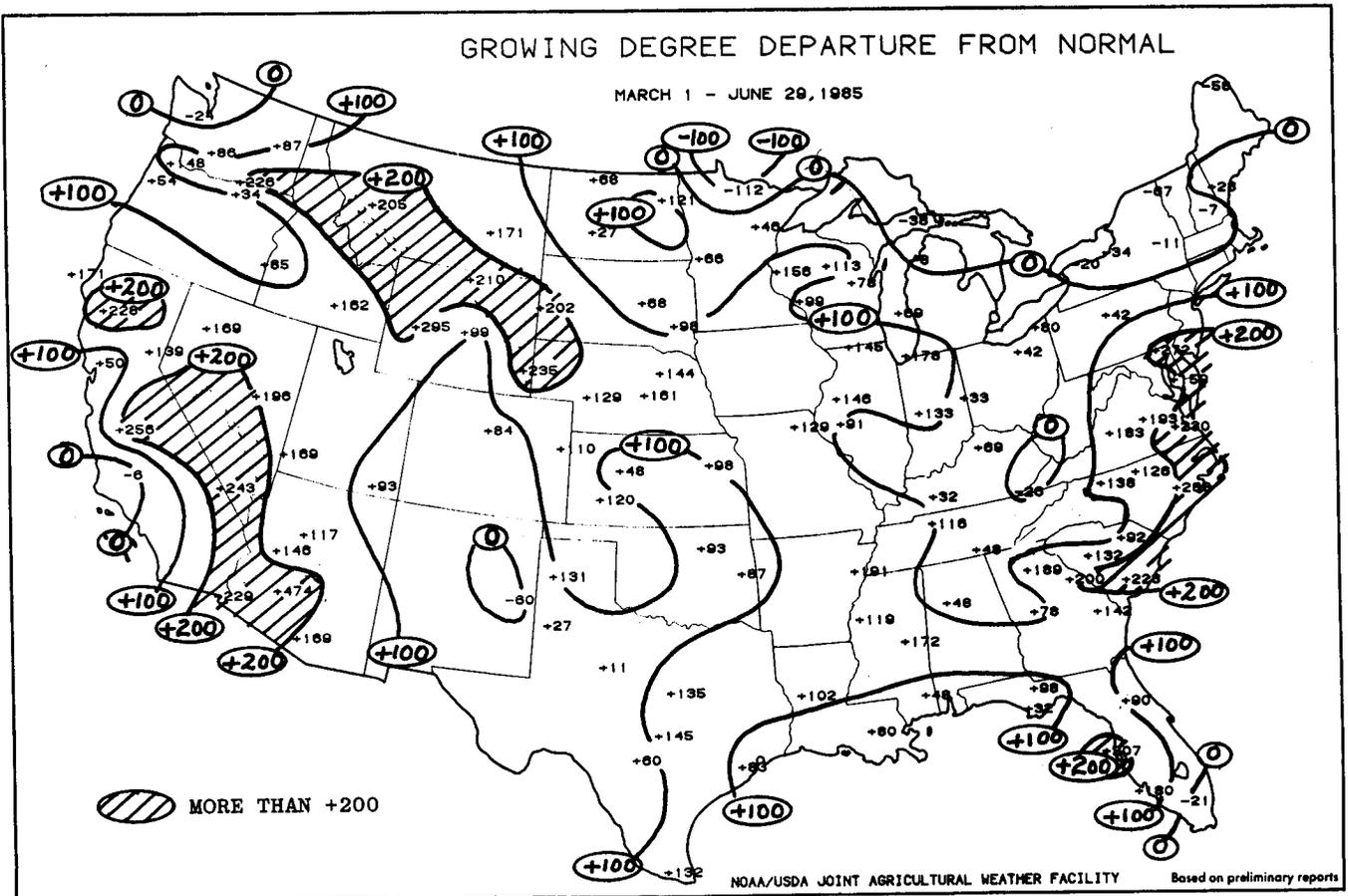
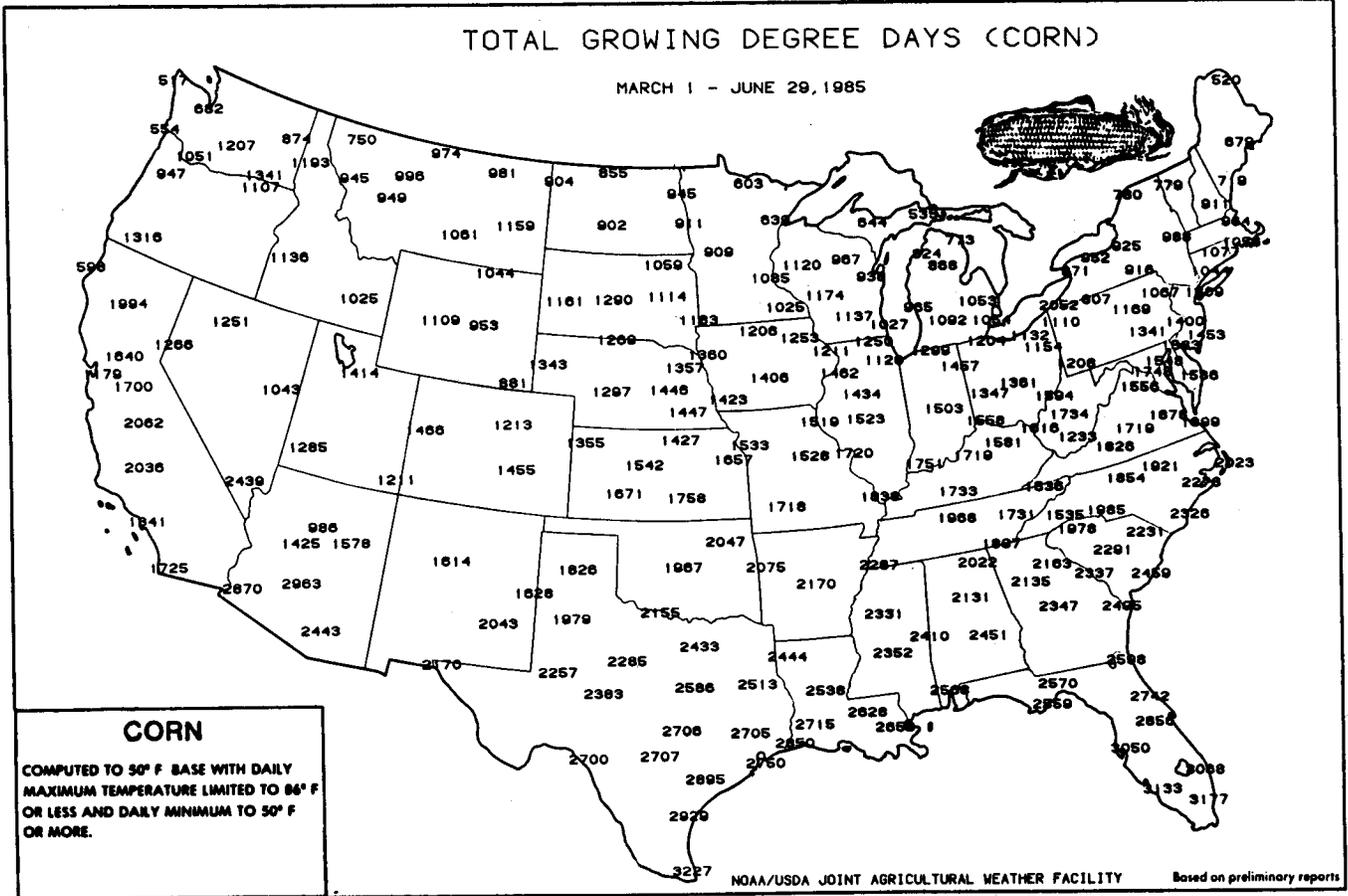
THE INTERTROPICAL CONVERGENCE ZONE IS ACTIVE IN THE SOUTH PACIFIC FROM CENTRAL AMERICA, WESTWARD ALONG 10 DEGREES NORTH LATITUDE. A WAVE ALONG THE ZONE IS PUSHING SHOWERS INTO SOUTHERN MEXICO.

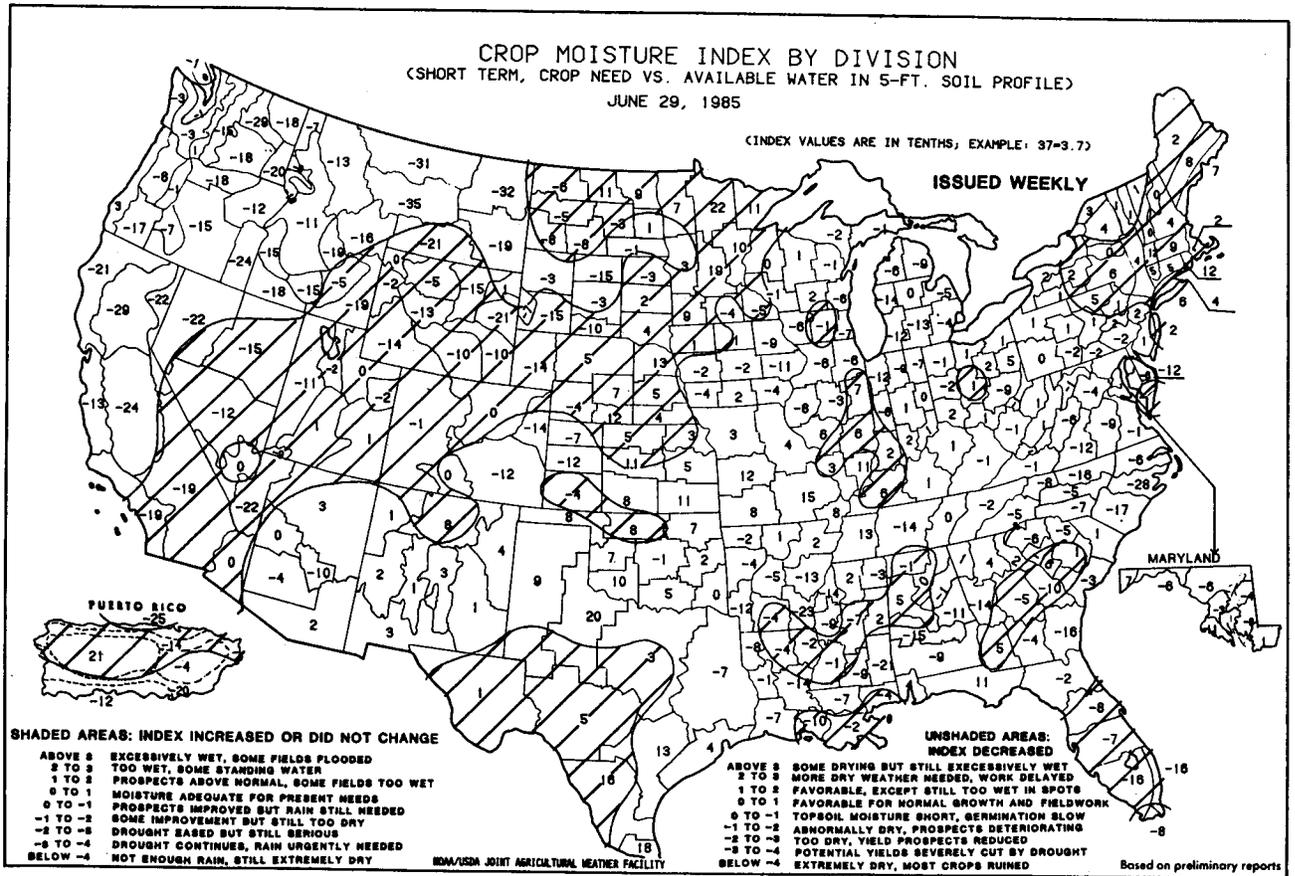
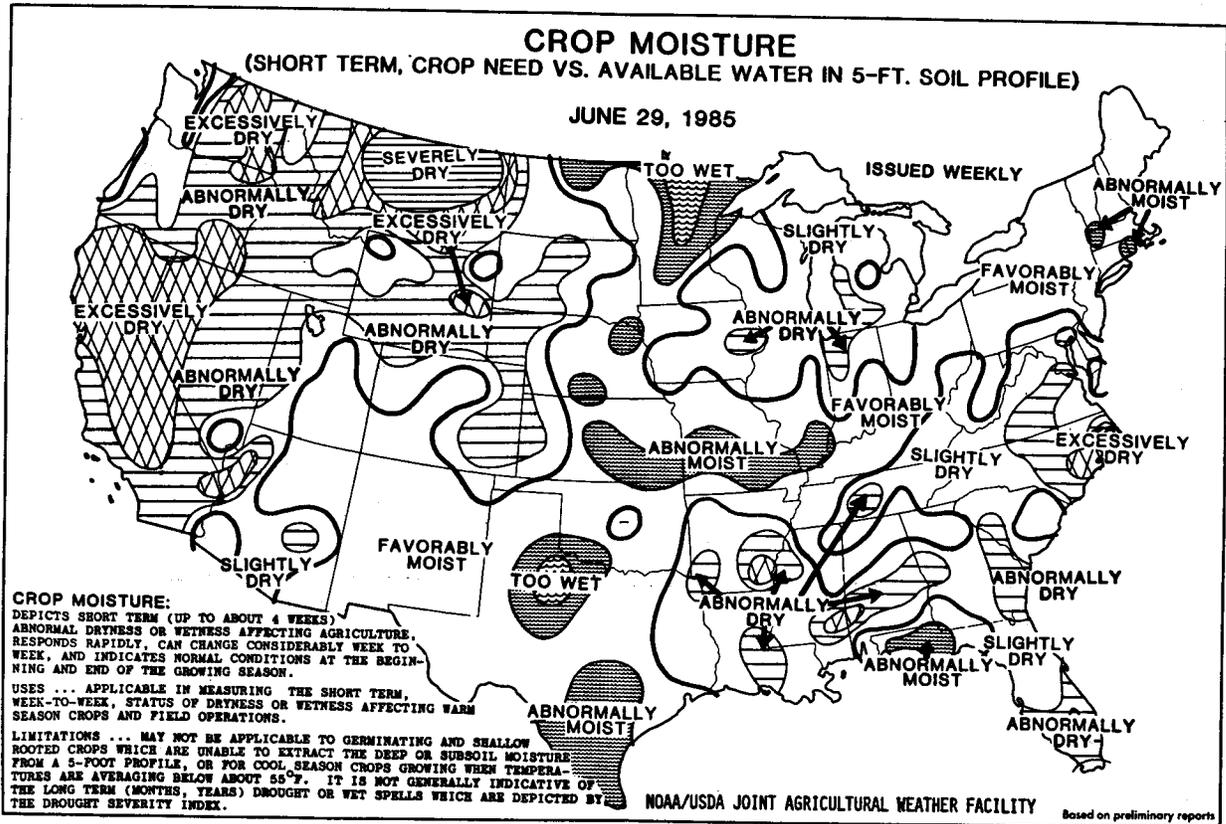
A SLOW-MOVING FRONTAL SYSTEM PUSHES THROUGH THE PLAINS AND UPPER MISSISSIPPI VALLEY, TRIGGERING SHOWERS AND THUNDERSTORMS.

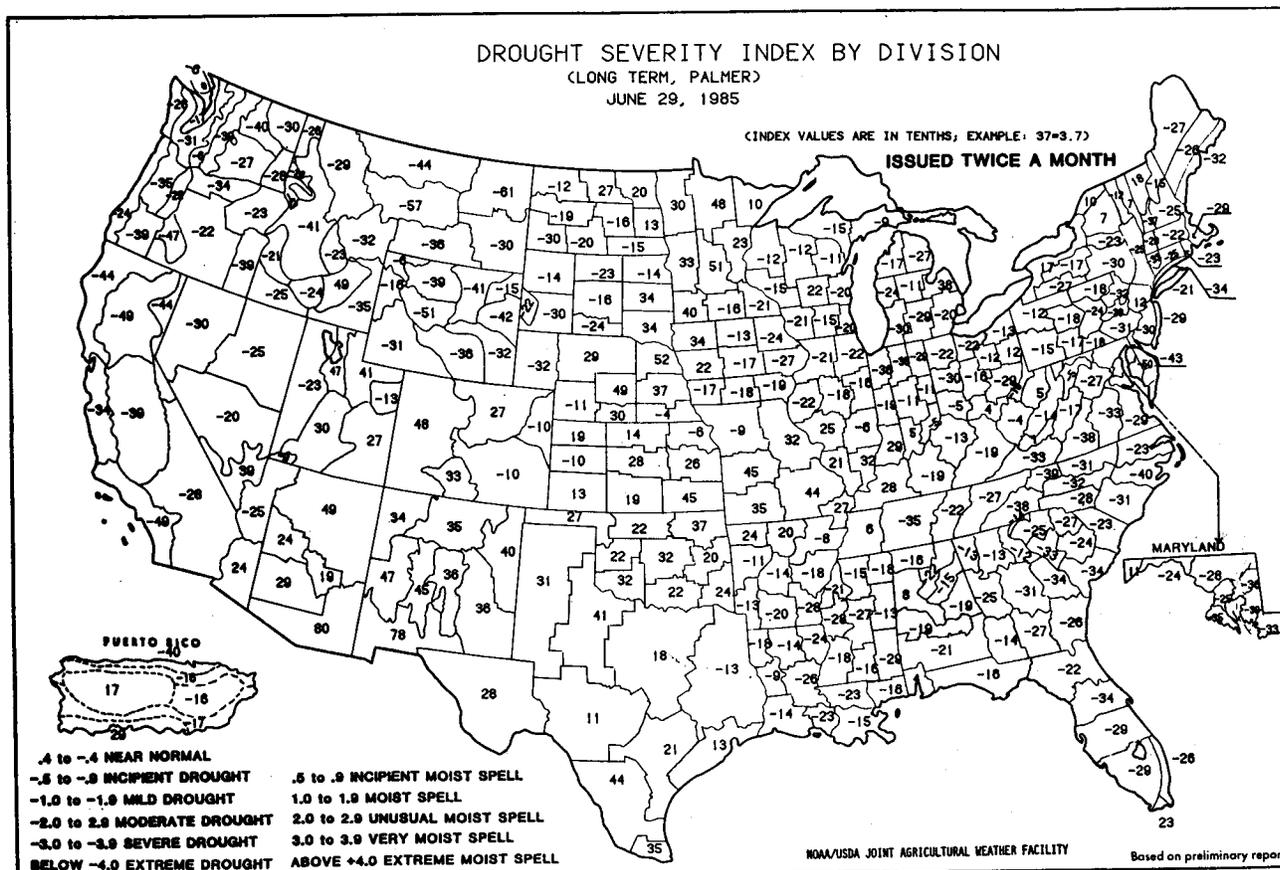
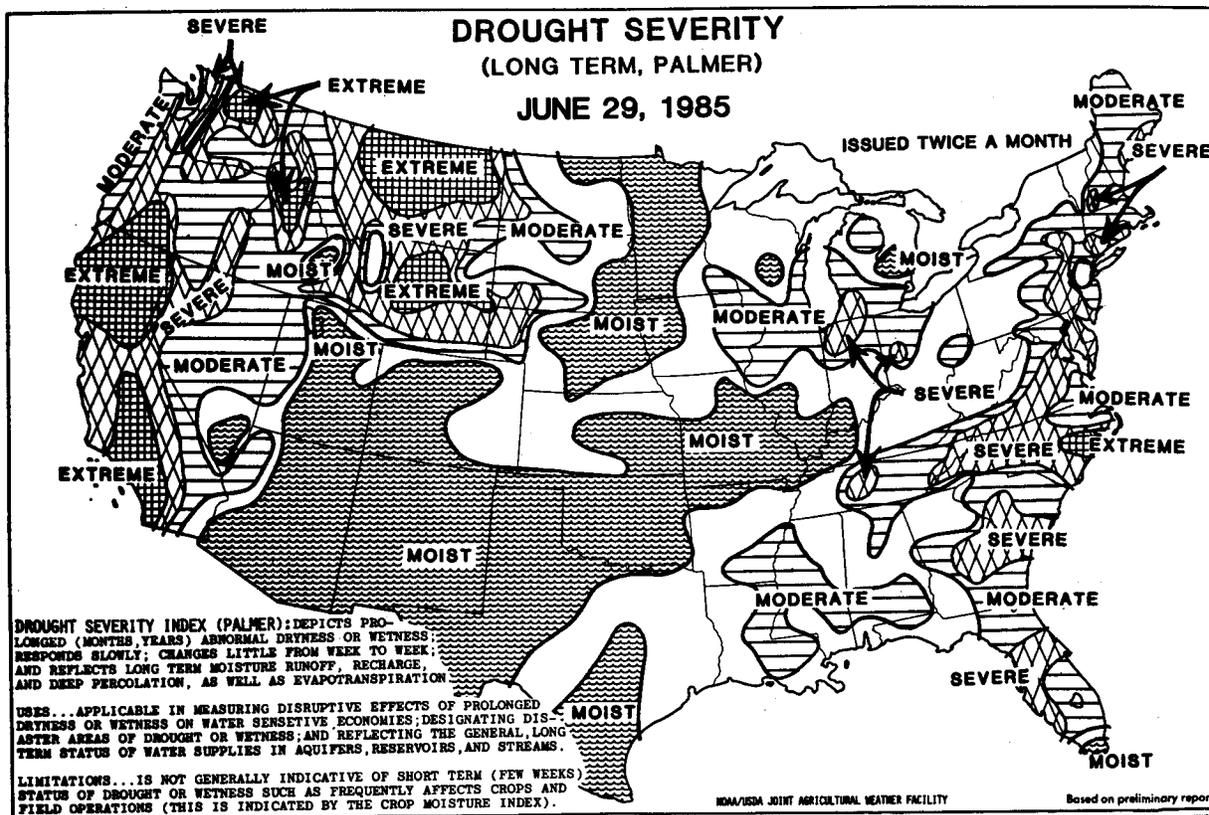
- * SNOW
- RAIN
- ▽ RAINSHOWERS
- ⚡ THUNDERSTORMS
- ⊙ PRECIPITATION AREAS

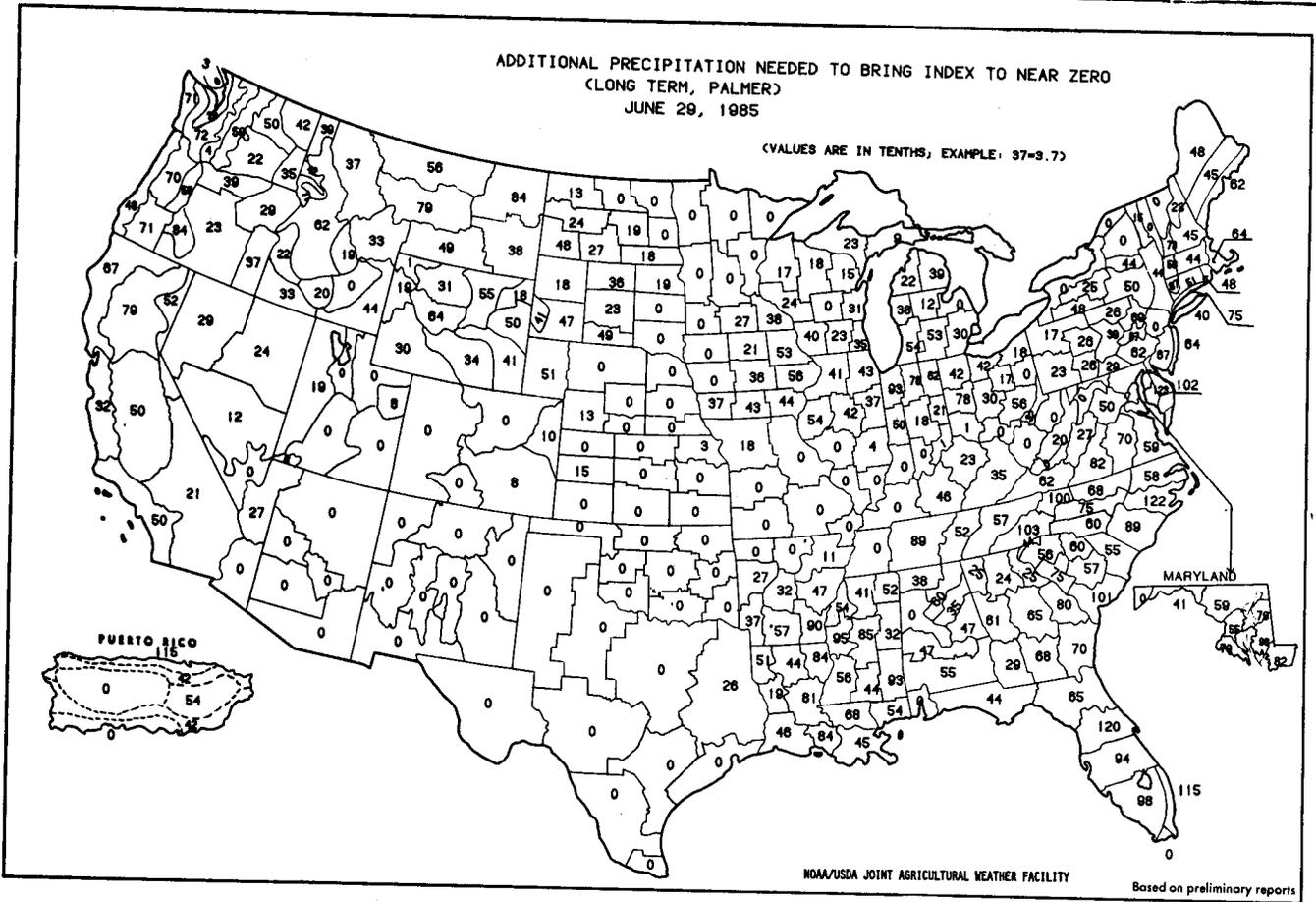




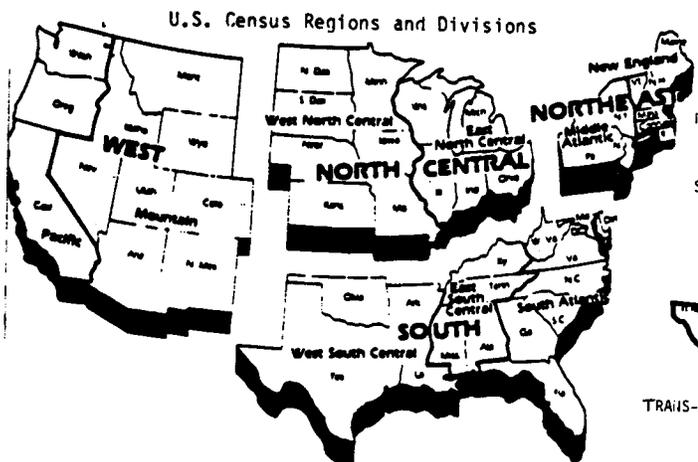




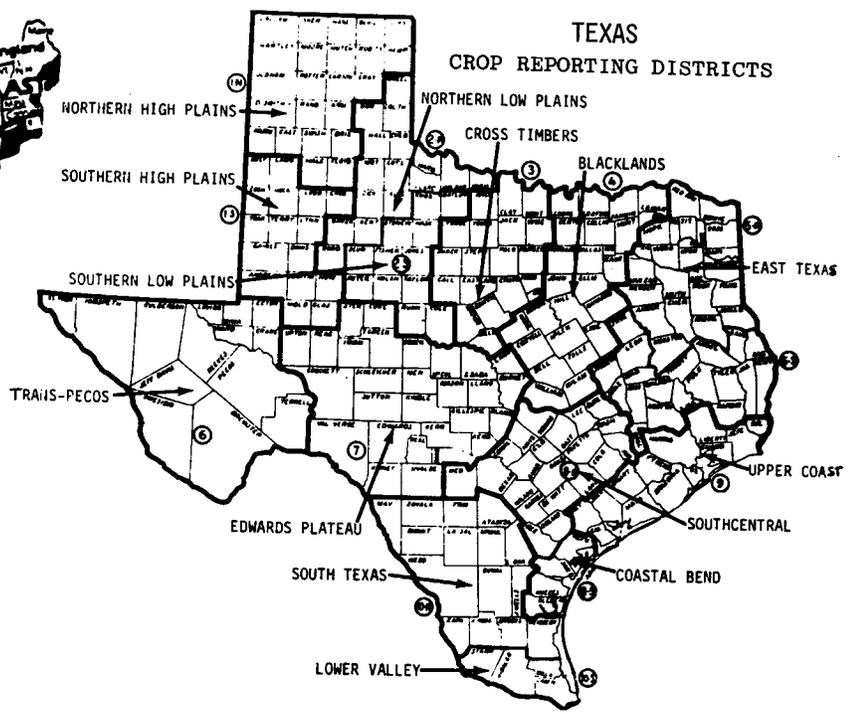


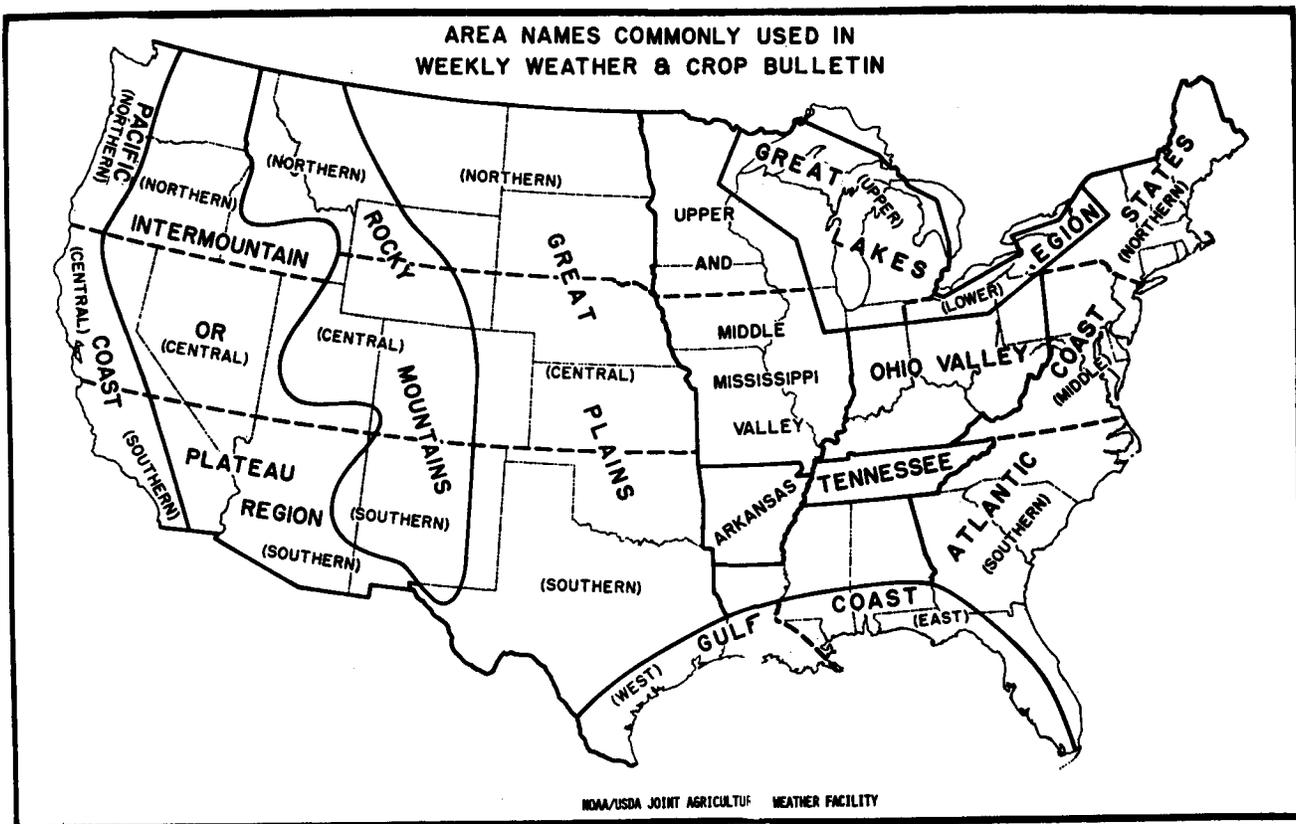
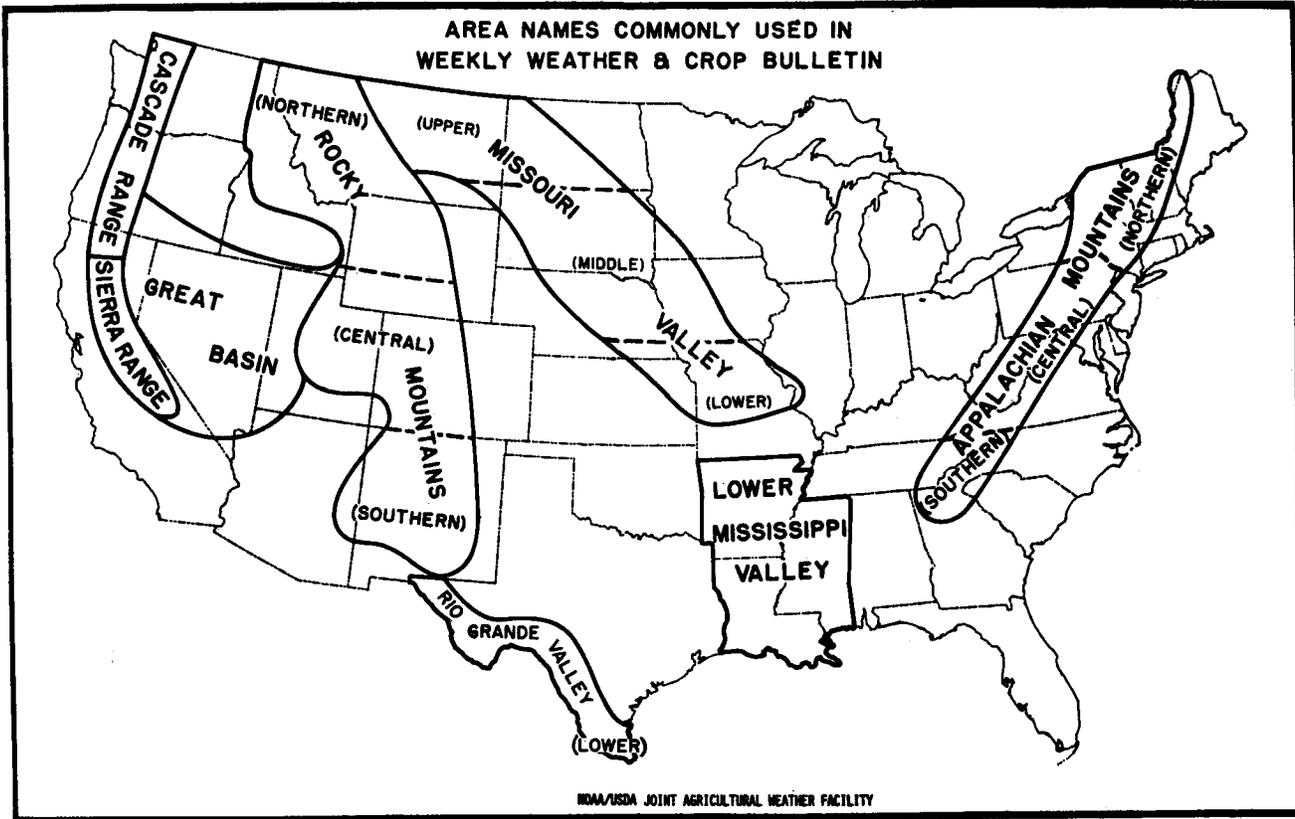


AREA NAMES COMMONLY USED IN WEEKLY WEATHER & CROP BULLETIN



- NE - New England
- MA - Mid-Atlantic
- ENC - East North Central
- WNC - West North Central
- SA - South Atlantic
- ESC - East South Central
- WSC - West South Central
- MTN - Mountain
- PAC - Pacific





Weather Data for the Week Ending June 29, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	68	92	67	78	0	1.2	.3	.8	4.5	130	22.5	76	99	56	4	6	0	0
MOBILE	92	70	95	68	81	-1	.4	-.9	.4	3.9	81	27.9	88	87	42	6	0	3	1
MONTGOMERY	92	69	96	66	80	0	.2	-.7	.1	2.1	64	22.4	85	95	47	5	0	0	2
AK ANCHORAGE	62	46	67	43	54	-2	.2	-.2	.4	1.0	98	5.3	113	89	51	0	0	0	2
BARROW	43	33	50	30	38	2	.2	.1	.2	.2	60	.8	62	98	73	0	0	4	3
FAIRBANKS	70	51	75	48	61	-1	.6	-.3	.6	1.7	134	4.0	114	91	45	0	0	0	2
JUNEAU	62	44	80	42	53	-1	.6	-.2	.5	3.1	112	12.5	65	91	50	0	0	0	2
KODIAK	56	43	67	41	49	-2	.8	-.2	.6	6.3	193	34.1	99	100	75	0	0	0	1
NOME	47	33	53	21	40	-8	.9	-.6	.5	1.2	109	5.0	119	97	69	0	0	4	3
AZ PHOENIX	105	79	112	74	92	3	0	-.1	0	0	0	1.8	67	24	8	7	3	0	0
PRESGOTT	86	55	92	45	71	1	0	-.3	0	0	0	5.1	78	49	19	3	0	0	0
TUCSON	102	69	107	63	86	0	0	-.1	0	0	0	1.1	56	3.5	125	29	9	7	0
YUMA	109	76	115	68	92	2	0	0	0	0	0	0	0	0	0	0	0	1	0
AR FORT SMITH	89	65	92	56	77	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE ROCK	90	70	94	61	80	0	0	-.8	0	2.8	78	24.8	119	92	43	4	0	0	0
CA BAKERSFIELD	96	65	106	62	81	0	0	-.7	0	2.2	69	21.7	84	85	46	4	0	1	0
EUREKA	61	46	65	45	54	-2	0	0	0	.3	486	1.9	49	47	18	7	0	0	0
FRESNO	98	65	107	61	82	4	0	-.1	0	.9	164	11.5	52	90	65	0	0	0	0
LOS ANGELES	71	60	73	59	65	-2	0	0	0	.3	413	3.3	46	57	14	7	0	0	0
RED BLUFF	95	64	99	58	80	1	0	0	0	0	0	3.5	42	88	60	0	0	0	0
SACRAMENTO	94	57	102	53	75	2	0	-.1	0	.1	17	4.9	38	47	14	7	0	0	0
SAN DIEGO	75	64	80	62	70	2	0	0	0	.2	136	4.4	41	82	18	5	0	0	0
SAN FRANCISCO	76	53	84	52	65	3	0	0	0	0	0	2.2	35	85	59	0	0	0	0
CO DENVER	82	52	96	43	67	-3	1.0	.7	.8	1.5	96	6.8	54	90	42	0	0	0	0
GRAND JUNCTION	84	54	96	44	69	-7	.3	-.3	.2	.4	95	7.4	90	62	21	2	0	0	2
PUEBLO	91	52	101	41	72	-3	0	-.3	0	.1	9	5.0	132	69	20	3	0	0	3
CT BRIDGEPORT	70	54	79	22	62	-9	1.1	.5	.9	5.2	192	16.0	80	90	61	0	1	3	1
HARTFORD	70	55	82	49	62	-9	.7	0	.2	3.6	109	12.4	58	91	62	0	0	6	0
DC WASHINGTON	83	63	93	58	73	-4	.2	-.6	.2	2.1	63	14.9	81	81	40	1	0	0	2
FL APALACHICOLA	89	71	90	69	80	-1	.6	-.7	.4	3.7	80	17.3	79	90	59	3	0	0	2
DAYTONA BEACH	87	72	89	70	80	-1	.9	-.7	.7	6.7	108	16.1	80	94	64	0	0	0	4
JACKSONVILLE	89	69	92	67	79	-1	.9	-.5	.8	3.6	69	12.2	51	93	56	2	0	0	3
KEY WEST	90	77	93	74	83	0	.5	-.7	.3	.7	13	18.3	125	87	61	4	0	0	3
MIAMI	88	73	93	71	81	-1	3.2	1.2	1.9	5.0	56	13.2	54	91	56	2	0	0	5
ORLANDO	90	72	93	71	81	-1	.5	-.4	.2	3.8	53	15.3	72	96	51	3	0	0	4
TALLAHASSEE	91	69	95	66	80	-1	1.4	-.4	1.1	7.4	118	20.1	65	97	51	5	0	0	4
TAMPA	90	73	93	71	82	0	1.3	-.2	.6	6.4	127	13.6	72	89	53	4	0	0	3
WEST PALM BEACH	90	72	94	70	81	0	2.5	.7	1.4	3.2	42	16.0	64	96	56	4	0	0	5
GA ATLANTA	87	71	94	69	79	2	.3	-.6	.2	2.0	61	20.4	76	85	48	2	0	0	3
AUGUSTA	93	67	100	64	80	0	.9	0	.7	2.9	78	16.8	71	95	43	5	0	0	2
MACON	92	71	98	68	82	1	.5	-.4	.4	1.4	37	15.5	62	88	49	5	0	0	2
SAVANNAH	90	70	95	67	80	0	.8	-.9	.4	6.7	123	14.1	61	93	48	4	0	0	2
HI HILO	82	68	84	67	75	0	.5	-.7	.6	1.7	29	69.1	106	86	61	0	0	0	3
HONOLULU	88	70	90	67	79	-1	0	-.1	0	0	0	7.8	59	81	45	1	0	0	0
KAHULUI	85	64	89	61	75	-4	0	-.1	0	0	0	5.9	47	94	55	0	0	0	0
LIHUE	83	71	84	68	77	-1	.4	0	.2	.5	31	14.7	66	79	57	0	0	0	3
ID BOISE	84	54	93	47	69	-1	0	-.2	0	.4	40	4.6	65	43	12	3	0	0	0
LEWISTON	84	53	95	48	69	0	0	-.3	0	.8	58	4.5	63	51	17	3	0	0	0
POCATELLO	78	45	90	37	62	-4	.7	.5	.6	1.0	100	5.7	90	79	25	2	0	0	2
IL CHICAGO	81	58	88	51	69	-2	.1	-.9	.1	2.0	50	16.0	98	82	45	0	0	0	1
MOLINE	85	65	94	61	75	2	.1	-1.0	.1	2.3	54	16.3	90	86	50	1	0	0	0
PEORIA	83	65	92	59	74	0	2.9	2.0	1.6	5.0	134	18.6	108	95	58	1	0	0	2
QUINCY	84	63	92	56	73	-1	.4	-.6	.4	2.6	67	14.5	80	97	56	2	0	0	2
ROCKFORD	84	61	92	54	72	1	1.7	.5	1.0	3.4	78	14.4	82	87	50	2	0	0	3
SPRINGFIELD	85	65	92	61	75	-1	1.4	.5	.8	5.8	162	16.8	97	99	64	2	0	0	4
IN EVANSVILLE	88	68	94	65	78	1	.2	-.6	.2	4.7	138	23.6	105	84	48	5	0	0	4
FORT WAYNE	84	59	88	55	72	0	0	-.8	0	2.6	73	15.8	90	76	36	0	0	0	0
SOUTH BEND	83	59	87	55	71	0	0	-.1	0	3.1	79	21.3	107	89	44	1	0	0	2
IA DES MOINES	83	63	92	54	73	-2	1.0	.1	.6	3.7	91	11.5	74	95	53	1	0	0	1
SIOUX CITY	81	60	94	52	71	-3	.9	0	.9	1.2	30	12.0	94	88	53	2	0	0	3
WATERLOO	82	61	92	52	72	0	.6	-.5	.6	2.7	64	11.1	70	89	50	2	0	0	1
KS CONCORDIA	88	60	97	51	74	-2	.5	-.4	.5	3.2	77	12.9	94	87	39	3	0	0	2
DODGE CITY	89	61	99	47	75	-2	1.0	.3	.9	2.9	99	8.8	84	76	30	5	0	0	2
GOODLAND	88	54	98	42	71	-2	.3	-.3	.3	.7	27	7.3	86	81	22	4	0	0	3
TOPEKA	90	62	94	52	76	-1	.8	-.3	.4	5.1	103	17.6	109	94	47	4	0	0	2
WICHITA	89	65	94	54	77	-2	.7	-.2	.7	4.8	122	13.1	96	83	38	4	0	0	1
KY BOWLING GREEN	85	65	92	62	75	-1	0	-.1	0	2.5	57	15.4	58	99	52	1	0	0	1
LEXINGTON	84	63	87	57	73	0	1.2	.4	1.2	4.4	126	18.7	81	96	52	1	0	0	1
LOUISVILLE	86	65	91	63	76	-1	.4	-.6	.4	4.3	104	17.6	73	92	49	0	0	0	1
LA ALEXANDRIA	91	69	93	61	80	-2	.1	-.8	.1	1.5	39	21.9	71	88	45	5	0	0	2
BATON ROUGE	89	71	91	67	80	-2	.2	-.7	.2	4.0	137	23.0	84	86	46	5	0	0	2
LAKE CHARLES	91	72	95	67	81	0	0	-.1	0	1.5	37	20.2	83	95	46	6	0	0	0
NEW ORLEANS	89	70	92	66	79	-2	1.6	.4	1.4	4.6	103	28.9	100	89	49	4	0	0	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending June 29, 1985

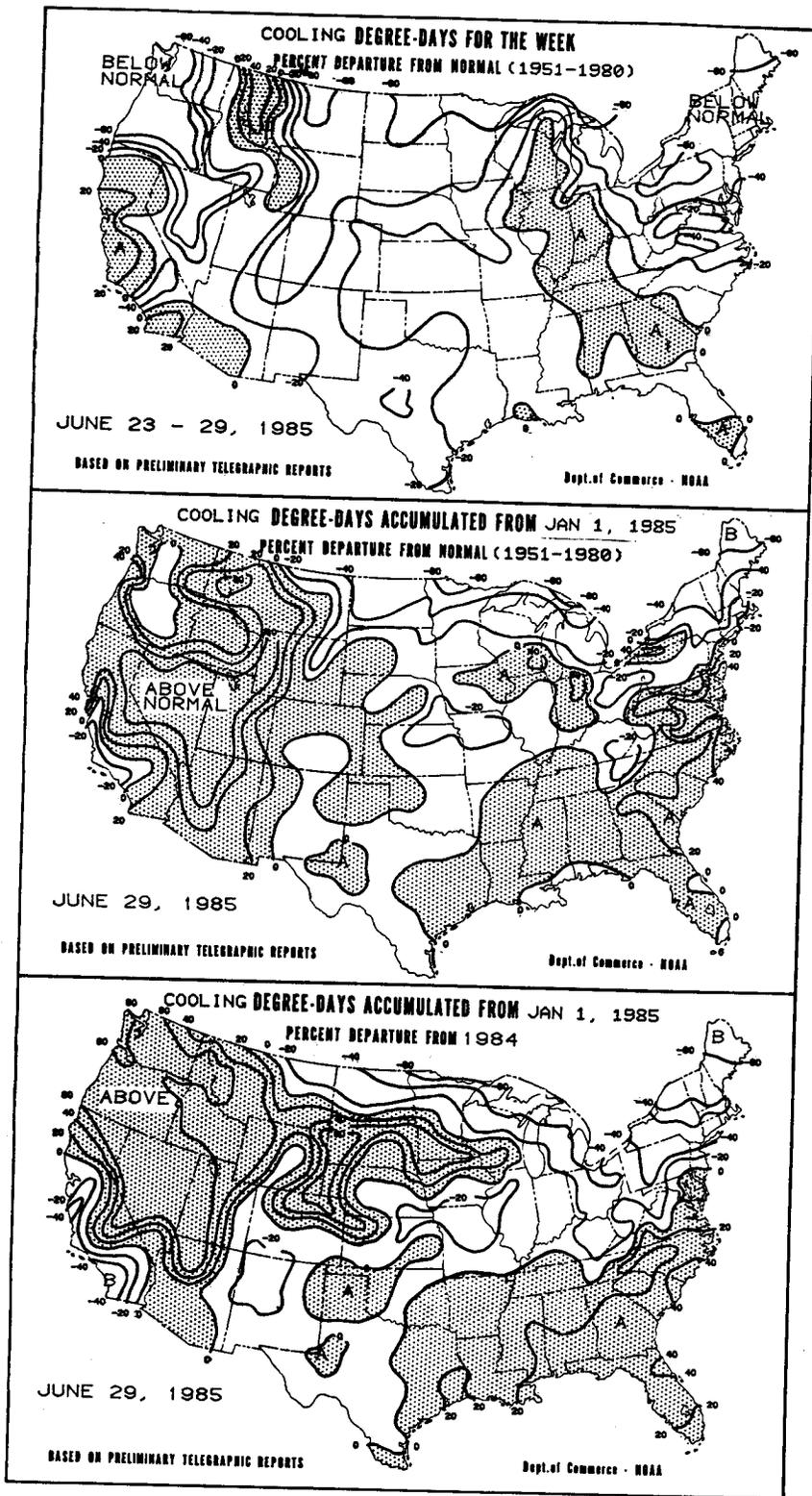
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	91	70	94	65	80	-1	T	-1	T	4.6	134	20.7	86	87	42	5	0	0	0
ME CARIBOU	68	53	75	44	61	-3	.7	-1	.4	2.7	89	12.6	81	88	58	0	0	1	0
PORTLAND	68	54	80	51	61	-4	1.1	.4	.6	2.7	92	11.7	54	88	62	0	0	4	1
MD BALTIMORE	80	60	91	56	70	-4	.2	-1	.1	2.4	67	16.2	81	84	41	1	0	4	0
SALISBURY	79	59	87	53	69	-5	1.2	.3	.4	2.8	83	14.6	71	100	50	0	0	4	0
MA BOSTON	67	56	78	52	61	-9	1.2	.6	.6	4.0	140	14.1	64	95	69	0	0	7	1
CHATHAM	66	55	76	51	60	-4	.9	.3	.3	6.8	256	21.4	94	---	---	0	0	5	0
MI ALPENA	76	47	82	41	61	-2	T	-1	T	1.0	32	13.5	102	92	38	0	0	1	0
DETROIT	77	53	83	48	65	-5	T	-1	T	1.6	49	17.7	116	82	35	0	0	0	0
FLINT	80	52	84	44	66	-2	0	-1	0	1.7	53	17.1	120	92	36	0	0	0	0
GRAND RAPIDS	82	55	86	50	69	-1	0	-1	0	1.7	45	15.0	92	89	32	0	0	0	0
HOUGHTON LAKE	78	50	82	43	64	-1	.4	-1	.4	1.6	54	13.0	102	85	36	0	0	1	0
LANSING	81	54	84	46	68	-1	0	-1	0	2.2	63	15.6	108	88	34	0	0	0	0
MARQUETTE	72	50	80	38	61	-1	.1	-1	.1	1.5	40	22.1	123	86	44	0	0	1	0
MUSKEGON	82	54	89	45	68	0	T	-1	T	1.0	40	14.0	95	80	36	0	0	0	0
SAULT STE. MARIE	71	46	82	39	58	-2	T	-1	T	1.6	51	18.5	128	95	48	0	0	0	0
MN ALEXANDRIA	73	53	91	48	63	-4	.6	-1	.2	3.0	77	12.7	108	93	49	1	0	3	0
DULUTH	66	48	73	39	57	-6	1.8	.9	1.1	3.2	84	13.0	100	97	63	0	0	4	2
INT'L FALLS	62	48	69	39	55	-9	3.1	2.2	2.6	5.7	160	17.3	168	94	68	0	0	4	1
MINNEAPOLIS	77	58	93	51	67	-3	.2	-1	.1	2.2	56	13.6	108	88	49	1	0	2	0
ROCHESTER	78	56	88	47	67	-2	.5	-1	.5	.9	24	8.2	63	77	44	0	0	2	1
MS GREENWOOD	90	71	94	66	80	-1	.9	-1	.8	2.6	80	16.5	56	95	52	5	0	2	1
JACKSON	92	67	96	61	80	-1	.1	-1	.1	1.7	62	20.7	72	97	42	5	0	1	0
MERIDIAN	93	69	96	65	81	1	.1	-1	.1	2.8	82	21.5	74	99	50	6	0	2	0
MO CAPE GIRARDEAU	88	68	93	60	78	-1	.1	-1	.1	4.4	131	29.0	122	94	53	4	0	1	0
COLUMBIA	85	61	90	53	73	-2	.5	-1	.5	9.7	268	28.1	151	97	53	1	0	1	1
KANSAS CITY	85	61	90	52	73	-3	.8	-1	.7	3.6	79	18.0	107	93	47	1	0	3	1
SAINT LOUIS	87	67	93	60	77	0	.5	-1	.4	9.3	257	25.6	144	91	55	3	0	3	0
SPRINGFIELD	85	64	91	55	75	-1	T	-1	T	7.2	159	27.0	135	87	46	3	0	0	0
MT BILLINGS	77	49	92	46	63	-4	.5	.1	.2	1.1	53	5.4	59	72	25	1	0	3	0
GLASGOW	75	46	88	39	60	-6	0	-1	0	.1	4	3.7	59	74	25	0	0	0	0
GREAT FALLS	81	50	91	42	66	1	T	-1	T	.6	21	5.7	61	50	16	2	0	0	0
HAVRE	78	45	87	35	62	-4	0	-1	0	T	1	3.2	51	64	16	0	0	0	0
HELENA	79	48	91	37	64	1	0	-1	0	.1	4	2.3	35	48	15	2	0	0	0
KALISPELL	76	38	87	29	57	-4	0	-1	0	1.6	71	6.1	72	89	26	0	2	0	0
MILES CITY	77	48	91	42	62	-7	.2	-1	.1	1.0	38	4.2	53	84	27	1	0	2	0
MISSOULA	81	45	95	37	63	0	0	-1	0	.4	21	3.8	51	68	17	2	0	2	0
NE GRAND ISLAND	85	58	98	48	72	-3	2.7	1.9	1.8	4.0	111	14.7	115	85	42	3	0	2	2
LINCOLN	84	60	95	52	72	-3	5.0	4.1	4.1	6.1	163	15.0	107	91	50	3	0	2	2
NORFOLK	80	57	94	48	69	-5	3.4	2.4	2.6	4.5	107	14.7	113	93	51	1	0	3	2
NORTH PLATTE	84	50	96	38	67	-4	.5	-1	.4	.9	24	7.9	72	78	31	3	0	2	0
OMAHA	81	62	91	56	72	-2	.9	0	.5	2.5	62	11.9	81	86	60	1	0	2	1
SCOTTSBLUFF	84	49	100	38	67	-4	.5	-1	.4	1.7	60	4.9	56	84	24	3	0	2	0
VALENTINE	80	48	100	39	64	-7	1.7	1.1	1.7	2.1	74	5.6	61	75	33	1	0	3	1
NV ELY	79	41	88	27	60	-2	.3	.2	.3	.4	45	3.8	75	65	14	0	1	2	0
LAS VEGAS	98	71	107	65	84	-2	T	-1	T	T	25	.6	32	24	6	7	0	0	0
RENO	84	49	89	39	66	1	T	-1	T	.1	36	2.1	47	57	10	0	0	0	0
WINNEVOCA	85	46	93	33	66	-2	T	-1	T	T	4	2.5	53	37	13	4	0	0	0
NH CONCORD	71	54	82	50	62	-5	1.2	.6	.7	2.8	98	11.7	69	96	58	0	0	6	1
NJ ATLANTIC CITY	78	60	89	55	69	-3	.2	-1	.2	1.1	43	13.2	67	89	46	0	0	2	0
NM ALBUQUERQUE	88	61	93	53	74	-3	.4	-1	.4	.5	110	5.1	189	59	14	3	0	1	0
CLOVIS	84	59	90	55	71	-5	.4	-1	.4	2.9	120	10.7	153	76	31	1	0	1	0
ROSWELL	88	64	95	59	76	-5	.1	-1	.1	1.5	169	6.5	232	76	28	3	0	0	0
NY ALBANY	71	55	84	50	63	-7	.9	.1	.6	3.9	124	13.6	80	96	59	0	0	3	1
BINGHAMTON	70	53	81	46	61	-6	1.0	.1	.3	2.8	80	12.7	72	87	49	0	0	3	0
BUFFALO	73	54	81	50	64	-5	T	-1	T	3.2	122	20.0	118	84	42	0	0	2	0
NEW YORK	74	61	86	56	67	-6	1.0	.2	.8	4.4	144	15.3	74	97	58	0	0	4	1
ROCHESTER	73	50	83	42	62	-8	.2	-1	.1	2.6	97	13.8	91	83	43	0	0	2	0
SYRACUSE	73	53	84	46	63	-6	.4	-1	.3	2.8	79	13.9	76	94	49	0	0	3	0
NC ASHEVILLE	83	60	88	57	71	0	.4	-1	.2	1.2	28	14.0	58	98	49	0	0	3	0
CHARLOTTE	87	65	92	63	76	-1	1.0	.2	.8	5.4	156	22.3	98	89	44	3	0	2	1
GREENSBORO	85	63	92	54	74	-2	.1	-1	.1	2.2	58	16.3	77	85	39	2	0	1	0
HATTERAS	82	65	87	60	73	-3	0	-1	0	1.4	34	18.1	75	89	51	0	0	0	0
NEW BERN	90	65	94	58	78	0	0	-1	0	.9	19	15.0	63	87	33	5	0	0	0
RALEIGH	85	62	91	53	73	-3	.2	-1	.2	2.5	71	17.4	84	83	40	1	0	1	0
WILMINGTON	88	66	94	59	77	-2	.1	-1	.1	2.9	53	15.1	63	89	45	3	0	1	0
ND BISMARCK	69	48	84	43	58	-9	.5	-1	.3	1.8	63	8.8	106	93	54	0	0	4	0
FARGO	71	51	88	42	61	-7	.1	-1	0	1.4	49	8.8	99	82	56	0	0	3	0
GRAND FORKS	68	50	79	40	59	-7	.7	-1	.4	1.6	58	8.6	106	81	51	0	0	4	1
WILLISTON	67	47	85	42	57	-9	.8	.2	.6	1.1	43	5.1	69	76	41	0	0	4	1
OH AKRON-CANTON	77	52	81	49	65	-5	0	-1	0	2.7	86	18.4	102	90	41	0	0	0	0
CINCINNATI	84	63	86	60	74	0	.3	-1	.3	4.6	116	22.9	109	83	45	0	0	1	0
CLEVELAND	75	51	84	45	63	-7	0	-1	0	2.9	86	17.1	97	81	37	0	0	0	0
COLUMBUS	82	57	85	51	69	-3	T	-1	T	1.4	36	13.8	72	80	39	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending June 29, 1985

STATES AND STATIONS	TEMPERATURE °F					PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE 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	82	58	83	52	70	-3	0	T	-0.8	0	2.3	62	17.0	91	68	37	0	0	0	0
TOLEDO	81	53	86	49	67	-3	0	T	-0.8	0	2.9	86	17.1	108	90	38	0	0	0	0
YOUNGSTOWN	76	50	80	44	63	-6	0	0	-0.9	0	2.6	75	15.2	83	81	35	0	0	0	0
OK OKLAHOMA CITY	87	65	90	59	76	-4	1.8	1.0	1.6	0	8.2	218	26.3	159	75	42	0	0	0	0
TULSA	87	68	91	58	78	-3	.2	-1	-1	0	7.7	173	29.8	149	87	42	3	2	2	1
OR ASTORIA	63	46	66	40	55	-4	T	T	-0.5	0	3.1	130	19.7	54	94	60	0	0	0	0
BURNS	76	45	84	32	62	-2	0	0	-1	0	.1	14	3.4	103	72	17	2	0	0	0
MEDFORD	84	48	92	39	66	-2	0	0	-1	0	.4	56	4.8	47	72	16	0	0	0	0
PENDLETON	79	50	88	45	65	-5	0	0	-1	0	.8	109	4.4	66	50	16	0	0	0	0
PORTLAND	74	50	81	46	62	-2	0	0	-3	0	2.3	163	9.8	50	80	35	0	0	0	0
SALEM	73	42	83	37	58	-5	0	0	-2	0	2.4	201	11.4	53	91	36	0	0	0	0
PA ALLENTOWN	76	58	84	53	67	-5	.4	-2	-4	0	4.9	147	15.6	74	87	48	0	0	0	0
ERIE	73	55	83	50	64	-3	T	T	-0.8	0	3.3	91	18.2	102	84	47	0	0	0	0
HARRISBURG	78	60	87	56	69	-5	.5	-4	-3	0	2.8	79	17.0	87	87	46	0	0	0	0
PHILADELPHIA	78	60	90	55	69	-5	.2	-8	-1	0	1.9	50	13.3	66	84	47	1	0	2	0
PITTSBURGH	78	52	82	46	65	-6	T	T	-0.8	0	2.2	69	15.9	84	84	38	0	0	0	0
SCRANTON	72	55	82	51	64	-6	.8	0	-3	0	2.9	86	15.4	94	91	54	0	0	0	0
RI PROVIDENCE	68	55	78	51	61	-8	1.2	.5	.5	0	4.7	174	17.3	78	96	66	0	0	0	0
SC CHARLESTON	88	69	94	66	78	-1	1.3	-4	.9	0	6.9	110	15.9	65	96	66	3	7	1	1
COLUMBIA	91	66	97	62	78	-1	1.7	.6	1.7	0	3.9	90	19.3	76	93	41	4	0	3	1
FLORENCE	89	66	94	61	78	-1	.1	-1.2	-1	0	2.8	63	13.5	62	89	39	3	0	2	1
GREENVILLE	88	65	93	63	77	0	.4	-8	.3	0	2.8	61	16.9	61	91	45	4	0	3	0
SD ABERDEEN	72	52	87	48	62	-7	.8	-1	.6	0	1.8	57	7.4	76	90	51	0	0	3	1
HURON	76	52	93	43	64	-7	1.0	.3	.5	0	2.4	74	10.3	100	92	48	1	0	3	0
RAPID CITY	77	50	98	40	63	-5	.4	-4	.3	0	1.5	47	5.1	52	78	32	1	0	4	0
SIoux FALLS	79	54	97	47	67	-5	1.6	.8	.9	0	2.5	71	13.9	114	88	47	2	0	3	2
TN CHATTANOOGA	89	66	93	64	78	1	.1	-8	.1	0	2.2	68	20.0	71	94	43	4	0	1	0
KNOXVILLE	87	63	91	60	75	-1	.7	-3	.6	0	4.9	128	18.7	73	92	44	2	0	2	1
MEMPHIS	89	71	93	65	80	-1	1.1	.3	1.1	0	4.6	133	26.2	91	90	52	5	0	2	1
NASHVILLE	89	68	96	64	78	0	.3	-6	.1	0	1.5	41	16.1	60	93	48	5	0	3	0
TX ABILENE	88	66	92	56	77	-6	.7	-2	.7	0	1.9	78	11.7	105	86	34	3	0	2	1
AMARILLO	90	63	97	57	77	-1	.2	-6	.2	0	3.1	91	10.0	109	74	29	4	0	1	0
AUSTIN	89	71	90	64	80	-3	.3	-3	.2	0	5.6	189	15.0	93	90	46	2	0	3	0
BEAUMONT	91	71	94	63	81	-2	0	-1.0	0	0	3.2	83	24.5	106	97	48	5	0	0	0
BROWNSVILLE	90	74	92	67	82	-1	.8	-2	.8	0	4.6	175	13.2	136	96	52	6	0	1	1
CORPUS CHRISTI	88	72	91	65	80	-4	.1	-6	.1	0	4.0	121	17.7	144	91	53	1	0	1	0
DEL RIO	88	70	92	62	79	-6	1.3	.9	1.2	0	3.9	236	11.1	148	86	42	4	0	2	1
EL PASO	94	64	96	54	79	-4	T	T	-1	0	.1	23	1.9	90	69	16	6	0	1	0
FORT WORTH	90	69	93	62	80	-5	.3	-2	.3	0	3.5	137	16.5	101	85	40	5	0	2	0
GALVESTON	86	77	88	73	81	-1	T	T	-0.8	0	3.4	101	20.5	123	81	57	0	0	2	0
HOUSTON	89	70	90	62	80	-2	.1	-8	.1	0	5.3	134	23.2	105	92	49	2	0	1	0
LUBBOCK	88	64	93	57	76	-4	.5	-1	.5	0	4.5	165	9.8	118	81	33	2	0	1	0
MIDLAND	88	65	93	52	76	-5	T	T	-0.3	0	2.2	160	5.5	95	83	35	3	0	1	0
SAN ANGELO	86	65	92	54	76	-8	2.2	1.8	2.1	0	3.6	194	11.5	137	90	42	3	0	2	1
SAN ANTONIO	87	70	91	58	79	-5	.8	-2	.7	0	8.0	273	21.2	150	87	47	2	0	3	1
VICTORIA	89	73	93	63	81	-2	.6	-3	.5	0	7.0	158	27.5	163	94	51	4	0	2	0
WACO	92	70	95	60	81	-3	.8	-3	.8	0	5.6	223	15.8	94	87	41	5	0	0	0
WICHITA FALLS	89	65	93	56	77	-6	.9	.3	.6	0	7.0	251	22.3	160	83	37	5	0	1	1
UT BLANDING	83	48	93	33	65	-5	.1	0	.1	0	.40	5.9	126	57	18	1	0	1	0	0
CEDAR CITY	80	48	90	35	64	-6	.3	-1	.2	0	.3	58	5.1	109	65	20	2	0	2	0
SALT LAKE CITY	85	57	99	48	71	-1	1.0	.8	.7	0	1.1	120	8.3	92	66	19	3	0	2	1
VT BURLINGTON	70	55	84	50	63	-5	.5	-3	.2	0	3.7	106	14.3	95	88	53	0	0	6	0
VA NORFOLK	81	65	91	56	73	-4	1.2	.3	.5	0	6.7	204	20.0	96	85	47	1	0	3	1
RICHMOND	87	62	97	53	74	-1	.1	-9	.1	0	4.2	120	15.8	80	82	37	2	0	2	0
ROANOKE	86	62	93	54	74	1	.1	.1	.1	0	2.0	60	18.6	95	82	36	2	0	1	0
WA COLVILLE	80	45	90	39	62	-1	0	-3	0	0	1.5	101	6.2	69	64	25	1	0	0	0
QUILLAYUTE	63	43	65	38	53	-4	.2	-5	.2	0	2.4	80	27.7	52	93	54	0	0	1	0
SEATTLE-TACOMA	69	48	73	45	59	-3	.1	-2	0	0	2.9	213	10.8	56	84	39	0	0	2	0
SPOKANE	79	48	90	36	63	-2	T	T	T	0	.7	56	4.8	53	60	16	1	0	1	0
WV YAKIMA	81	47	87	41	64	-3	0	-1	0	0	.4	64	2.2	50	69	19	0	0	0	0
BECKLEY	77	56	81	49	66	-2	0	-9	0	0	4.1	111	18.6	85	93	47	0	0	0	0
CHARLESTON	85	59	88	52	72	-1	0	-9	0	0	2.8	88	20.1	96	91	41	0	0	0	0
HUNTINGTON	83	60	86	54	72	-2	T	T	T	0	3.0	88	18.7	89	99	45	0	0	1	0
PARKERSBURG	81	56	84	51	68	-4	0	-1.1	0	0	1.2	28	15.3	67	96	40	0	0	0	0
WI GREEN BAY	80	56	89	47	68	0	.1	-6	.1	0	2.1	69	13.1	101	70	39	0	0	1	0
LA CROSSE	82	58	93	47	70	-1	.4	-6	.4	0	1.8	45	10.6	73	86	44	2	0	1	0
MADISON	82	57	89	50	69	1	1.8	.9	1.3	0	3.1	81	14.4	99	87	53	0	0	3	1
MILWAUKEE	77	59	86	51	68	0	0	-9	0	0	1.3	37	14.2	94	81	48	0	0	0	0
WAUSAU	82	57	91	48	69	2	1.7	.8	1.2	0	3.0	78	11.8	83	92	40	1	0	3	1
WY CASPER	75	44	93	38	59	-7	1.2	.9	.6	0	1.3	110	5.8	84	89	32	2	0	3	1
CHEYENNE	77	47	90	39	62	-4	1.1	.7	1.0	0	1.5	79	4.8	65	80	25	1	0	2	1
LANDER	78	49	93	38	64	-3	1.6	1.4	1.1	0	1.7	120	4.5	53	62	26	2	0	3	1
SHERIDAN	76	46	90	43	61	-4	T	T	T	0	1.0	48	5.2	57	81	27	1	0	1	0
PR SAN JUAN	91	76	94	75	83	1	.2	-9	.1	0	.3	6	14.2	67	88	55	4	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



National Agricultural Summary

JUNE 24 to 30

HIGHLIGHTS: Rain slowed field activities but replenished much needed moisture in the Northern Great Plains. Scattered showers across most of the eastern half of the Nation continued boosting crop development. Soil moisture was mostly adequate across the Nation's mid-section but was short along the east coast from Delaware to Georgia. The lack of moisture continued in the West Coast and Northwest Mountain States.

Winter wheat continued in mostly good condition with 50% harvested, 17 points ahead of last year and 19 points above average in the 18 major producing States. Harvest neared end in the Southeast, through the Delta and into Oklahoma. Soybean seeding approached completion in nearly all 19 major producing States. Corn was silking as far North as Illinois and tasseling in Iowa. Most of the corn crop was good. The 7 major sorghum producing States had planted 95% of the acreage compared with 93% normally. Heading was 18% finished and harvest was underway in Texas. Cotton squaring was 46% complete, progressing normally. Bolls were present on 15% of the acreage, which was a few points ahead of last year and the average. Rice was 9% headed compared with 13% last year and 14% normally. Tobacco transplanting was virtually complete in the northern producing areas. Pastures were fair to mostly good. A few areas began selling-off livestock to reduce feed demands on pastures.

SMALL GRAINS: Winter wheat continued in mostly good condition. Insufficient moisture continued plaguing wheat and small grains in the Northwest and Northern Mountain States. Combining in the 18 major producing States was 50% complete, 17 points ahead of last year and 19 points above the average. Rain slowed harvest in the central and northern Plains, but harvest advanced 18 points from the previous week. Harvest neared completion in the Southeast, through the Delta, and into Oklahoma. Harvest was considerably ahead of normal in the Northeast Coast States. In Kansas, harvest was 75% finished, three times faster than in 1984 and normal. Missouri and Illinois were 42 and 45% combined, respectively.

Spring wheat was 52% headed, compared with 34% last year and 40% average. Heading was nearly complete in South Dakota. Dryness hampered growth and development in Montana.

SOYBEANS: Soybean planting approached completion in nearly all 19 major producing States, except Kansas and Kentucky. Seeding had ended in Iowa, Michigan, Nebraska, Ohio, and South Dakota. Soybeans began blooming in South Dakota, but most of the activity was centered in the Southern States. Soybeans were mostly good.

CORN: Corn silking reached 4% in 16 of the 17 major producing States which was about normal. Corn was silking as far north as Illinois and tasseling in Iowa. Most of the corn crop was good. In Georgia corn was 96% silked, 79% dough, 33% dent, and 4% mature. Corn harvest for grain is expected to start in Florida in about 2 weeks. Rain relieved dry conditions in the upper Corn Belt and northern Plains, but moisture shortages began developing along the east coast as corn started the critical pollination stage.

SORGHUM: In the seven major sorghum producing States, 95% of the acreage was planted, compared with 93% normally. Sorghum was 18% headed in 6 of the 7 major producing States. Fifty-six percent of the sorghum was headed in Texas, equaling last year but 4 points behind normal. About 10% of the Texas sorghum was mature with 1% harvested for grain. Harvest was underway in the Rio Grande Valley and at Coastal Bend.

COTTON: Cotton squaring was 46% complete in the 14 major producing States, progressing normally. Squaring was 15 points behind normal in Texas, but 26 points ahead of normal in Alabama. Bolls were present on 15% of the acreage, which was a few points ahead of last year and the average. Cotton was mostly good. A few fields washed-out earlier were replanted in Oklahoma.

OTHER CROPS: Tobacco transplanting was virtually complete in the northern producing areas. Harvest was 13% finished in Georgia, compared with the 17% average. The crop was in good condition in most areas.

Rice was 9% headed, compared with 13% last year and 14% normally. Only 13% of the rice was headed in Texas, 44 points behind 1984 and 42 points behind the average.

Peanuts were mostly good. Alabama's peanuts were 48% pegged, 16 points above normal. Growers applied fungicides to control disease. In Georgia peanuts were 85% bloomed and slightly more than half were pegging.

Hay harvest continued at a brisk pace. However, rain slowed harvest in the Northeast and north central Plains. Yields were down in some areas as a result of the dry weather.

FRUIT AND NUTS: Peach harvest moved northward into New Jersey. Harvest was 69% complete in Georgia, and 34% complete in South Carolina. Texas producers began harvesting late peach varieties. Freestone peach harvest continued in California. Tart cherry harvest was 30% finished in Michigan, but sweet cherry harvest was just beginning in New York.

Florida citrus groves received rain. Trees had abundant new growth, and new crop fruit was progressing well. Valencia harvest was all but finished. Grapefruit, lemons, and Valencia oranges were actively harvested in California. Texas citrus groves showed good progress and fruit sized well.

VEGETABLES: A wide variety of vegetables were harvested in the Northern producing areas. Florida vegetable harvest continued declining seasonally. Harvest was limited mostly to sweet corn and watermelons. Seasonal vegetable harvest continued in Texas, California, and Arizona.

PASTURES AND LIVESTOCK: Pastures were fair to mostly good. Pastures remained short in the Northwest and in the west coast States. Livestock were mostly good. A few areas began selling-off livestock as pastures dried. Stockwater supplies were becoming short in the west.

CROP PROGRESS

FOR WEEK ENDING JUNE 30, 1985

**WINTER WHEAT
% HEADED**

	1985	1984	AVG.
ARK	100	100	NA
CALIF	100	100	100
COLO	100	95	95
GA	100	100	100
IDAHO	93	72	80
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	100	98	99
MO	100	100	100
MONT	85	85	75
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	99	97	98
S DAK	100	93	100
TEX	100	100	100
WASH	96	81	95
18 STATES	99	97	NA
EXCL. STATES WITH NA	99	97	98

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

NA - NOT AVAILABLE

**RICE
% HEADED**

	1985	1984	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	31	20	23
MISS	29	2	NA
TEX	13	57	55
5 STATES	10	13	NA
EXCL. STATES WITH NA	9	13	14

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

NA - NOT AVAILABLE

**COTTON
% SQUARING**

	1985	1984	AVG.
ALA	82	70	56
ARIZ	96	94	85
ARK	77	63	59
CALIF	85	65	61
GA	88	75	84
LA	70	46	54
MISS	79	69	72
MO	69	60	48
N MEX	50	17	40
N C	62	42	41
OKLA	15	0	5
S C	89	68	83
TENN	55	40	45
TEX	15	34	30
14 STATES	46	47	45

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

**WINTER WHEAT
% HARVESTED**

	1985	1984	AVG.
ARK	96	94	94
CALIF	70	74	70
COLO	3	0	1
GA	99	96	96
IDAHO	0	0	0
ILL	45	22	24
IND	35	6	8
KANS	75	25	25
MICH	0	0	0
MO	42	28	29
MONT	0	0	0
NEBR	8	0	4
OHIO	10	0	0
OKLA	95	85	70
OREG	0	0	0
S DAK	0	0	0
TEX	85	80	73
WASH	0	0	0
18 STATES	50	33	31

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

**SPRING WHEAT
% HEADED**

	1985	1984	AVG.
IDAHO	44	36	42
MINN	50	46	51
MONT	45	30	30
N D	41	21	29
S DAK	96	59	70
5 STATES	52	34	40

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

**SORGHUM
% HEADED**

	1985	1984	AVG.
ARK	13	NA	NA
KANS	0	0	0
MO	0	0	0
NEBR	0	0	0
OKLA	3	1	2
S DAK	0	0	0
TEX	56	56	60
7 STATES	18	NA	NA

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

NA - NOT AVAILABLE

**SORGHUM
% PLANTED**

	1985	1984	AVG.
ARK	98	98	97
KANS	90	90	85
MO	96	94	88
NEBR	100	100	100
OKLA	97	90	90
S DAK	96	80	96
TEX	98	98	98
7 STATES	95	94	93

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

**CORN
% SILKING**

	1985	1984	AVG.
COLO	0	0	0
GA	96	83	86
ILL	4	0	2
IND	0	0	0
IOWA	0	0	0
KANS	5	0	0
KY	12	2	8
MICH	0	0	0
MINN	0	0	0
MO	9	0	0
NEBR	0	0	0
N C	66	21	34
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
TEX	61	NA	NA
WIS	0	0	0
17 STATES	6	NA	NA
EXCL. STATES WITH NA	4	2	3

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

NA - NOT AVAILABLE

**SOYBEANS
% BLOOMING**

	1985	1984	AVG.
ALA	0	0	0
ARK	0	0	0
GA	8	4	7
ILL	8	5	6
IND	0	0	0
IOWA	2	0	0
KANS	5	2	2
KY	2	1	1
LA	5	2	5
MICH	0	0	0
MINN	0	0	0
MISS	4	1	NA
MO	0	0	0
NEBR	0	0	1
N C	0	0	0
OHIO	0	0	0
S C	0	0	0
S DAK	4	0	4
TENN	1	0	0
19 STATES	2	1	NA

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN CROP.

NA - NOT AVAILABLE

**COTTON
% SETTING BOLLS**

	1985	1984	AVG.
ALA	16	3	0
ARIZ	66	55	55
ARK	16	0	0
CALIF	20	7	8
GA	37	20	37
LA	19	5	9
MISS	8	2	4
MO	0	0	0
N MEX	10	25	16
N C	5	5	3
OKLA	0	0	0
S C	37	28	26
TENN	2	0	0
TEX	11	10	13
14 STATES	15	9	12

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

**SOYBEANS
% PLANTED**

	1985	1984	AVG.
ALA	95	88	92
ARK	94	89	88
GA	96	89	92
ILL	99	100	99
IND	99	100	97
IOWA	100	99	100
KANS	85	90	80
KY	82	82	78
LA	98	98	94
MICH	100	100	100
MINN	99	98	99
MISS	95	90	89
MO	94	84	86
NEBR	100	100	100
N C	94	91	88
OHIO	100	100	95
S C	92	87	89
S DAK	100	100	100
TENN	92	88	85
19 STATES	97	95	94

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 around 0.25 to 3.00 in. statewide. Temperatures below normal in north, near normal south.

Fieldwork 5.3 days. Soil moisture 44% short, 54% adequate, 2% surplus. Sorghum planted 96%, 87% 1984, 82% avg. Soybeans planted 95%, 88% 1984, 92% avg. Wheat harvested 98%, 91% 1984. Corn silked 86%, 64% 1984, 60% avg. Cotton squaring 82%, 70% 1984, 56% avg. Cotton setting bolls 16%, 3% 1984. Peanuts pegging 48%, 22% 1984, 32% avg. Activities: Planting sorghum, soybeans, controlling insects on fruit, vegetables, crops; applying fungicides to peanuts; harvesting wheat, vegetables, fruit. Conditions: Corn 8% very poor, 13% poor, 45% fair, 30% good, 4% excellent; soybeans 2% very poor, 6% poor, 33% fair, 59% good; cotton 2% very poor, 10% fair, 76% good, 12% excellent; wheat 6% poor, 61% fair, 30% good, 3% excellent; peanuts 19% fair, 69% good, 12% excellent; sorghum 2% very poor, 2% poor, 26% fair, 70% good; pastures 4% very poor, 4% poor, 43% fair, 47% good, 2% excellent; livestock 2% very poor, 2% poor, 27% fair, 67% good, 2% excellent.

ALASKA: Temperatures continued cooler than normal, rainfall continued heavier than normal, most areas. Cloudy, cool, occasional showers general throughout Railbelt.

Days available 5.0 to 7.0. Topsoil moisture 18% short, 78% adequate, 4% surplus. Subsoil moisture 6% short, 91% adequate, 3% surplus. Growth of oats, barley for grain slow. Small grain heights ranged from over 3 in. Tanana Valley, 4 to 7 in. Matanuska Valley. Commercial potatoes just emerging. First cutting hay beginning, few farms compared to nearly 20% complete 1984.

ARIZONA: Early week humid, isolated showers persisted. Precipitation amounts from traces to 0.25 in. Warming trends rest of week. Afternoon temperatures upper 80's in high country, 90's at 5,000 ft., 110 to 117° in lower deserts and along Colorado River. Averages 3° below to 3° above normal.

Cotton 55% good, 45% excellent; 96% squaring, 94% 1984, 85% avg.; 66% setting bolls, 55% 1984, 55% avg. Insect damage, weed infestations light to moderate. Wheat, barley 95% harvested. Alfalfa harvest active; stands good to excellent. Prices lower, quality good. Movement slow on none-contract hay. Corn harvest underway soon in west. Yuma peanut crop making good progress. Cantaloup shipments slowing down. Honeydew harvest steady. Watermelon picking complete Yuma area. Spring melon harvest Salt River Valley active. Grape harvest active. Figs, apricots, plums harvested. Ranges, pastures drying. Stockwater, soil moisture reduced. Cattle, sheep fair to good. Some grasshopper infestations reported.

ARKANSAS: Temperatures 4° below to 1° above normal. Rainfall light. Temperature extremes: 48°, 97°. Precipitation none to 2.50 in.

Days suitable for fieldwork 6.0. Soil moisture 34% short, 60% adequate, 6% surplus. Rice none headed, none 1984, none avg.; 8% fair, 88% good, 4% excellent. Cotton 77% squared, 63% 1984, 59% avg.; 16% setting bolls, none 1984, none avg.; 6% fair, 81% good, 13% excellent. Winter wheat 96% harvested, 94% 1984, 94% avg.; 13% fair, 75% good, 13% excellent. Sorghum 98% planted, 98% 1984, 97%

avg.; 13% headed; 11% fair, 81% good, 8% excellent. Soybeans 94% planted, 89% 1984, 88% avg.; none blooming, none 1984, none avg.; 13% fair, 80% good, 7% excellent. Livestock condition good.

CALIFORNIA: Temperature averages slightly above normal at most locations with a handful of stations a couple of degrees below normal. Only precipitation recorded 0.05 in. at Riverside.

Another ideal week for fieldwork. Wheat, barley, oats continued to be harvested. Wheat 100% headed, 100% 1984, 100% avg.; 70% harvested, 74% 1984, 70% avg. Rice headed none, none 1984, none avg. Cotton 85% squared, 65% 1984, 61% avg.; 20% setting bolls, 7% 1984, 8% avg. Corn, safflower, sunflower, sugarbeets showed good growth. Alfalfa continued to be cut for hay, green chopped. Wheat, cotton condition 50% good to 50% excellent. Apricot, Coachella Valley table grape, nectarine, Freestone peach, plum, summer grapefruit, south coast lemon, Valencia orange harvests active. Burn losses reported in prunes. Spraying active grapes, almonds, walnuts. Artichokes light supply. Broccoli supplies moderate to fairly heavy. Cantaloup harvest continued desert, started San Joaquin Valley. Carrot harvest increased Salinas, San Joaquin Valleys. Cauliflower supplies fairly light to moderate. Celery harvest fairly light central coast, slowing south coast. Sweet corn harvest increasing San Joaquin Valley, almost completed desert. Lettuce fairly heavy supply central coast. Spring potato harvest active Kern district. Fall potato fields Tulelake-Butte Valley sprinkled two nights for frost control. Some fields slightly damaged. Market tomato harvest active south coast, San Joaquin Valley. Processing tomato harvest completed Palo Verde Valley, started San Joaquin Valley. Hot weather continued dry ranges. Fire hazard remained high, grass fires problem many areas. Water supplies declined. Milk production fell off due high temperatures.

COLORADO: Significant rainfall on 25th, 26th. Amounts of 0.25 to 0.50 in. common northern half, lesser amounts southern half. Temperatures 2 to 5° below normal.

Days suitable for fieldwork 6.0. Soil moisture 61% short, 39% adequate. Winter wheat 16% fair, 33% good, 51% excellent; 89% turning color, 46% 1984, 65% avg.; 15% ripe, 2% 1984, 8% avg.; 3% harvested, none 1984, 1% avg. Corn 8% fair, 26% good, 66% excellent. Sorghum 94% emerged, 88% 1984, 80% avg. Dry beans 98% emerged, 89% 1984, 87% avg. Alfalfa hay 85% cut one time, 75% 1984, 70% avg. Livestock good.

FLORIDA: Daily scattered thunderstorms statewide with some increase toward weekend. Rainfall varied from 0.10 in. to over 4.00 in. Temperatures averaged near normal.

Topsoil moisture adequate for most of State, short some areas. Late soybeans good condition; growth good. Tobacco harvesting underway. Early corn approaching maturity; harvest expected in 2 to 3 weeks; some yields will be lowered because of dry weather earlier. Cotton condition good. Peanut crop looks good; needs more rain. Hay harvesting active. Pastures improved tremendously as result of recent rains. Although most pastures

received adequate rain, additional moisture necessary to maintain good grazing capacity. Conditions remain good to excellent lower southern Peninsula. Western Panhandle grazing improved rapidly while some northern areas continued to experience moisture shortages. Cattle, calves mostly fair to good condition. Rain several days citrus areas. Water soaking in, not standing. Abundance of new growth, new crop fruit making good progress. Valencia harvest all but over, caretakers active with summer programs. Partly cloudy skies, hot days, warm nights prevailed vegetable areas. Moderate to heavy showers many areas. Winds mostly light, but gusty in thunderstorms. Harvest most vegetable crops declining seasonally. Sweet corn harvest continued Zellwood area, some growers finishing this week. Watermelon harvest continued active north, west areas. Quality generally good, supplies expected for several weeks.

GEORGIA: Warm temperatures, scattered afternoon thundershowers almost daily. Temperatures near normal. Augusta reported State high temperature of 100° on 26th. Rainfall totals quite variable, virtually all of State some rain. Amounts reached 2.00 to 4.00 in., several locations received over 3.00 in. in 24-hour.

Days suitable for fieldwork 5.9. Soil moisture 17% very short, 61% short, 22% adequate. Main activities: Haying, planting, harvesting, spraying - weeds, insect control. Corn 96% silked, 83% 1984, 86% avg.; 79% dough, 55% 1984, 57% avg.; 33% dent, 20% 1984, 27% avg.; 4% mature, 5% 1984, 4% avg.; 4% very poor, 16% poor, 43% fair, 35% good, 2% excellent. Cotton 88% squaring, 75% 1984, 84% avg.; setting bolls, 20% 1984, 37% avg.; 35% fair, 65% good. Grain sorghum 92% planted, 84% 1984, 86% avg.; 1% very poor, 3% poor, 42% fair, 54% good. Peanuts 85% blooming, 84% 1984, 88% avg.; 57% pegging, 46% 1984, 59% avg.; 23% fair, 77% good. Soybeans 96% planted, 89% 1984, 92% avg.; 8% blooming, 4% 1984, 7% avg.; 1% very poor, 1% poor, 39% fair, 59% good. Tobacco 13% harvested, 11% 1984, 17% avg.; 25% fair, 75% good. Watermelons 58% harvested, 20% 1984, 30% avg.; 3% poor, 39% fair, 55% good, 3% excellent. Wheat 99% harvested, 96% 1984, 96% avg.; 11% poor, 50% fair, 37% good, 2% excellent. Rye 3% poor, 66% fair, 31% good. Other small grains 2% very poor, 3% poor, 64% fair, 31% good. Apples 2% very poor, 5% poor, 53% fair, 40% good. Peaches 69% harvested, 62% 1984, 62% avg.; 17% very poor, 13% poor, 32% fair, 36% good, 2% excellent. Pastures 2% very poor, 11% poor, 49% fair, 37% good, 1% excellent. Hay 2% very poor, 11% poor, 50% fair, 37% good. Cattle 1% very poor, 3% poor, 30% fair, 66% good. Hogs 19% fair, 80% good, 1% excellent.

HAWAII: Weather conditions mostly fair for crop development. Temperatures continued upper eighties with light trade winds bringing scattered showers to isolated crop growing areas. Farmers Waimea, Hawaii, on State irrigation system advised to conserve water. Head cabbage, Head lettuce supplies remain heavy. Cucumber production on decline due to pest problems. Harvesting of papayas active in Puna area of Hawaii Island; overall State production expected to decrease through July.

IDAHO: High pressure dominated weather. Temperatures slightly below normal. Dry conditions over north, southwest. Weak disturbance moved across State on 25th, 26th producing showers, thunderstorms for Magic Valley eastward. Amounts varied from 0.01 in. Jerome, to 0.70 in. Pocatello.

Days suitable for fieldwork 6.0. Alfalfa first cutting 72% cut, 62% 1984, 66% avg. Cherries 26%

harvested, 5% 1984. Winter wheat 93% headed, 72% 1984, 80% avg. Spring wheat 44% headed, 36% 1984, 42% avg. Barley 34% headed; 45% boot; 21% pre-boot. Potatoes 10% closing middles, 40% more than 12 in. tall, 50% less than 12 in. Winter wheat 7% poor, 24% fair, 66% good, 3% excellent. Spring wheat 3% poor, 19% fair, 72% good, 6% excellent. Barley 3% poor, 13% fair, 74% good, 10% excellent. Potatoes 5% fair, 79% good, 16% excellent. Grasshopper infestation south, east 5% none, 24% light, 38% moderate, 33% severe. Livestock good. Range, pasture very dry.

ILLINOIS: Temperatures 30 above normal to 40 below normal. Precipitation none to 3.30 in., scattered; no precipitation northwest.

Days suitable for fieldwork 5.0. Soil moisture 32% short, 44% adequate, 24% surplus. Corn height of all fields 46 in., 32 1984, 35 avg.; height most advanced fields 65 in., 47 1984, 51 avg.; silking 4%, none 1984, 2% avg.; 1% poor, 8% fair, 62% good, 29% excellent. Soybeans planted 99%, 100% 1984, 99% avg.; blooming 8%, 5% 1984, 6% avg.; 20% fair, 66% good, 12% excellent. Winter wheat ripe 90%, 64% 1984, 75% avg.; harvested 45%, 22% 1984, 24% avg. Oats filled 92%, 78% 1984, 74% avg.; turning yellow 48%, 27% 1984, 25% avg.; ripe 8%, 6% 1984, 4% avg.; 2% poor, 20% fair, 66% good, 12% excellent. Alfalfa second crop 36% cut, 23% 1984, 25% avg.; 1% poor, 16% fair, 66% good, 17% excellent. Clover hay cut 90%, 87% 1984, 87% avg.; 10% fair, 72% good, 18% excellent. Sorghum grain planted 88%, 95% 1984, 93% avg. Pastures 3% poor, 27% fair, 54% good, 16% excellent.

INDIANA: Average maximum temperatures ranged from low 80's northern State to mid 80's southern section. Minimum temperatures upper 50's to low 60's close to normal values most of State. Precipitation totals amounted to none over most of central, north. Thundershowers produced over 1.00 in. of rain some southern locations.

Fieldwork averaged 5.8 days. Topsoil moisture 45% short, 52% adequate, 3% surplus. Subsoil moisture 22% short, 73% adequate, 5% surplus. Wheat 35% harvested, 6% 1984, 8% avg.; 100% headed, 100% 1984, 100% avg.; 80% ripe, 25% 1984, 35% avg. Soybeans 99% planted, 100% 1984, 97% avg.; 1% poor, 23% fair, 73% good, 3% excellent. Soybeans none blooming, none 1984, none avg. Soybeans 10 in. high, 7 in. 1984, 7 in. avg. Corn 1% poor, 17% fair, 67% good, 15% excellent. Corn 40 in. high, 26 in. 1984, 28 in. avg. Corn none silked, none 1984, none avg. Alfalfa 20% cut twice, 10% 1984, 20% avg. Tobacco 100% plants set, 95% 1984, 95% avg. Rye 45% combined, 7% 1984, 8% avg.

IOWA: Warm early week, turned cool late week. Midweek showers, thunderstorms. Variable amounts west, central little over eastern counties. Rainfall to 3.75 in. Low 42° 28th; high 96° 24th. June precipitation 60% normal, temperatures averaged 2° cooler.

Days suitable for fieldwork 4.0. Topsoil moisture 27% short, 71% adequate, 2% surplus. Subsoil moisture 31% short, 68% adequate, 1% surplus. Corn acreage cultivated 100%, 78% 1984, 85% avg. Corn average height 37 in. Corn silking none, none 1984, none avg.; tasseled 1%. Corn 1% poor, 6% fair, 59% good, 34% excellent. Soybean acreage planted 100%, 99% 1984, 100% avg. Soybean acreage cultivated 85%, 49% 1984, 22% avg. Soybeans blooming 2%, none 1984, none avg.; 2% poor, 13% fair, 71% good, 14% excellent. Oat acreage turning color 41%, 9% 1984; 1% very poor, 2% poor, 18% fair, 67% good, 12% excellent. Winter wheat crop harvested 3%; 2% poor, 23% fair, 67% good, 8% excellent. Second crop alfalfa hay harvested 15%. First crop clover hay harvested 96%, 62% 1984, 72% avg. Hay 7% poor, 33% fair,

50% good, 10% excellent. Pastures very short; 2% very poor, 17% poor, 43% fair, 34% good, 4% excellent. Livestock good.

KANSAS: Precipitation averaged less than 0.25 in. northwest extreme west; 0.50 to 1.25 in., elsewhere. Temperatures average 71° northwest, 75° south central, 73 to 74° elsewhere; 2 to 4° below normal.

Days suitable for fieldwork 5.0. Soil moisture 28% short, 52% adequate, 20% surplus. Wheat 100% headed, 100% 1984, 100% avg.; 75% harvested, 25% 1984, 25% avg.; 1% poor, 10% fair, 16% good, 73% excellent. Sorghum 90% planted, 90% 1984, 85% avg.; none headed, none 1984, none avg. Soybeans 85% planted, 90% 1984, 80% avg.; 5% blooming, 2% 1984, 2% avg. Corn 5% silking, none 1984, none avg. Range, pasture good to excellent. Second cutting alfalfa good progress.

KENTUCKY: Temperatures 3 to 4° below normal. Mean temperatures mid 70's. Precipitation from 0.20 in. east to 1.50 in. west.

Days suitable for fieldwork 4.5. Soil moisture 13% short, 73% adequate, 14% surplus. Corn 12% silking, 2% 1984, 8% avg.; 1% poor, 11% fair, 55% good, 33% excellent. Soybeans 82% planted, 82% 1984, 78% avg.; 2% blooming, 1% 1984, 1% avg.; 28% fair, 61% good, 11% excellent. Grasshoppers increasing no-till fields. Tobacco 1% poor, 18% fair, 68% good, 13% excellent. Wheat 72% harvested, 52% 1984, 60% avg. Pastures good to excellent.

LOUISIANA: Temperatures averaged 1 to 2° below normal. Temperature extremes 58°; 98°. Rain totals averaged none to 1.74 in.

Days suitable for fieldwork 5.4. Soil moisture 52% short, 43% adequate, 5% surplus. Cotton 22% fair, 78% good; 70% squaring, 46% 1984, 54% avg.; 19% setting bolls, 5% 1984, 9% avg. Rice 21% fair, 79% good; 31% headed, 20% 1984, 23% avg. Soybeans 4% poor, 56% fair, 40% good; 98% planted, 98% 1984, 94% avg.; 93% emerged, 93% 1984, 89% avg.; 5% blooming, 2% 1984, 5% avg. Sorghum 3% poor, 40% fair, 57% good; 43% headed, 38% 1984, 30% avg. Corn fair to good; 94% silked, 85% 1984, 82% avg.; 66% dough stage, 52% 1984, 49% avg.; 4% mature stage, 2% 1984, 10% avg. Hay 1st cutting 97% complete, 95% 1984, 91% avg. Sweetpotatoes fair to good; 98% planted, 96% 1984, 93% avg. Peaches good; 42% harvested, 37% 1984, 48% avg. Livestock, sugarcane fair to good; pastures, vegetable fair.

MARYLAND & DELAWARE: Maryland: Temperatures 2 to 3° below normal. Temperatures ranged mid to upper 50's to near 90°. Precipitation trace to 0.85 in.; averaged nearly 0.25 in.

Days suitable for fieldwork 6.6. Topsoil moisture short statewide. Subsoil moisture adequate north, west; short elsewhere. Small grain harvest ahead of schedule. Wheat 100% turned, 100% 1984, 100% avg.; 75% harvested, 25% 1984, 35% avg. Barley 100% harvested, 65% 1984, 80% avg. Oats 30% harvested, 25% 1984, 20% avg. Rye 60% harvested, 50% 1984, 50% avg. Soybeans 95% planted, 90% 1984, 85% avg. First cutting other hay 100%, 100% 1984, 95% avg. Second cutting of other hay 30%, 10% 1984, 20% avg. Second cutting alfalfa 60% 25% 1984, 35% avg. Vegetable harvest 100% for peas, 35% for snap beans, 20% for cucumbers; 1984 peas 90%; snap beans 25%; cucumbers 15%.

Delaware: Temperatures 2 to 3° below normal. Third consecutive week of below normal temperatures. Showers over entire State. Temperatures range low to mid 50's to near 90°. Precipitation ranged 0.06 to 0.54 in.; averaged 0.31 in.

Days suitable for fieldwork 7.0. Topsoil, subsoil moisture short. Wheat 80% harvested, 20% 1984, 15% avg. Soybeans 85% planted, 80% 1984, 85% avg.

MICHIGAN: Temperatures averaged 2° below normal. Precipitation very light.

Days suitable for fieldwork 6.5. Soil moisture supplies 68% short, 32% adequate. Abundant sunshine aided crop growth, development. Corn none silked, none 1984, none avg.; 5% poor, 20% fair, 50% good, 25% excellent. Soybeans 100% planted, 100% 1984, 100% avg.; none blooming, none 1984, none avg.; 5% poor, 25% fair, 55% good, 15% excellent. Winter wheat 100% headed, 98% 1984, 99% avg.; none harvested, none 1984, none avg.; 5% poor, 15% fair, 55% good, 25% excellent. Dry beans 98% planted, 95% 1984, 94% avg. Tart cherry harvest 30% complete. Vegetable harvest getting underway.

MINNESOTA: Below normal temperatures continued; near normal southeast; 3 to 7° below normal elsewhere. Temperature extremes: 34°; 101°. Precipitation averaged 0.31 in below normal to 1.92 in. above normal. Greatest weekly total 4.87 in.

Days suitable for fieldwork 3.3. Topsoil moisture 16% short, 40% adequate, 44% surplus. Corn 24 in. height, 20 in. 1984, 19 in. avg.; 2% very poor, 9% poor, 31% fair, 48% good, 10% excellent. Soybeans 6 in. height, 6 in. 1984, 7 in. avg.; 1% very poor, 7% poor, 43% fair, 45% good, 4% excellent. Spring wheat 91% jointing, 90% 1984, 90% avg.; 50% heading, 46% 1984, 51% avg.; 1% very poor, 2% poor, 23% fair, 60% good, 14% excellent. Oats 94% jointing, 93% 1984, 93% avg.; 72% heading, 64% 1984, 62% avg. Barley 93% jointing, 92% 1984, 91% avg.; 58% heading, 63% 1984, 63% avg. Sunflower 6 in. height, 8 in. 1984, 10 in. avg.

MISSISSIPPI: Temperatures averaged near normal. Extremes: 56°; 98°. Greatest 24-hour rainfall 3.03 in.

Fieldwork 5.0 days suitable, 5.6 1984, 4.0 avg. Soil moisture 69% adequate, 31% short. Wheat 99% harvested, 95% 1984, 89% avg.; 22% poor, 33% fair, 45% good. Cotton 79% squaring, 69% 1984, 72% avg.; 8% setting bolls, 2% 1984, 4% avg.; 4% poor, 18% fair, 67% good, 11% excellent. Soybeans 95% planted, 90% 1984, 89% avg.; 91% emerged, 78% 1984; 4% blooming, 1% 1984; 6% poor, 50% fair, 44% good. Grain sorghum 97% emerged; 30% heading, 6% 1984; 31% fair, 63% good, 6% excellent. Rice 29% heading, 2% 1984; 12% fair, 88% good. Corn 73% silking, 49% 1984, 52% avg.; 45% dough, 19% 1984, 33% avg.; 13% poor, 28% fair, 50% good, 9% excellent. Sweetpotatoes 100% planted, 90% 1984, 93% avg. Peanuts 100% planted. Watermelons 20% harvested, 10% 1984. Peaches 42% harvested, 39% 1984, 32% avg.; 14% very poor, 14% poor, 38% fair, 34% good. Hay 51% harvested, 39% 1984, 46% avg. Pasture 18% poor, 46% fair, 33% good, 3% excellent.

MISSOURI: Temperatures average 1° below normal. Rainfall averaged 0.50 to 1.50 in. across northern half, 0.33 in. southeast.

Days suitable for fieldwork 3.9. Topsoil moisture 7% short, 67% adequate, 26% surplus. Corn 3% poor, 15% fair, 65% good, 17% excellent; silking 9%, none 1984, none avg. Soybeans 2% poor, 27% fair, 66% good, 5% excellent; plantings 94%, 84% 1984, 86% avg. Grain sorghum 2% poor, 28% fair, 66% good 4% excellent; plantings 96%, 94% 1984, 88% avg. Cotton 36% fair, 64% good; squaring 69%, 60% 1984, 48% avg. Winter wheat 42% harvested, 28% 1984, 29% avg. Second crop alfalfa hay 37% cut; other hay 74% cut. Pastures 2% poor, 15% fair, 67% good, 16% excellent.

MONTANA: Continued very dry west, north central, central areas. South central received from 0.25 to 0.75 in., remainder of State 0.10 to 0.25 in. Temperatures averaged below normal 1 to 20 north central, central areas to 5 to 70 below normal northeast, southeast. Many areas low 30's, sub-freezing temperatures widespread over west and southwest, with some record low temperatures reported. West warmed latter part of week, extreme east very cool.

Days suitable for fieldwork 6.6. Topsoil moisture 97% short, 3% adequate. Subsoil moisture 93% short, 7% adequate. Crop condition and progress: Winter wheat 32% very poor, 35% poor, 32% fair, 1% good; preboot none, none 1984, 5% avg.; boot 5%, 10% 1984, 15% avg.; headed 85%, 85% 1984, 75% avg. Spring wheat 22% very poor, 42% poor, 34% fair, 2% good; preboot 15%, 20% 1984, 30% avg.; boot 40%, 50% 1984, 40% avg.; headed 45%, 30% 1984, 30% avg. Barley 33% very poor, 31% poor, 32% fair, 4% good; preboot 15%, 20% 1984, 30% avg.; boot 45%, 50% 1984, 45% avg.; headed 40%, 30% 1984, 25% avg. Oats 24% very poor, 34% poor, 36% fair, 16% good; preboot 15%, 35% 1984, 35% avg.; boot 45%, 40% 1984, 40% avg.; headed 40%, 25% 1984, 25% avg. Sugarbeets 8% very poor, 6% poor, 36% fair, 50% good. First cutting alfalfa hay 65%, 30% 1984, 30% avg. Wild hay harvest 25%, 5% 1984, 10% avg. Range feed supplies 88% short, 12% adequate. Stockwater supplies 60% short, 40% adequate.

NEBRASKA: Widespread thunderstorms beginning week. Average temperatures ranged from 3 to 70 below normal. Rainfall ranged from 0.25 to 3.00 in.

Days suitable for fieldwork 3.9. Topsoil moisture 13% short, 79% adequate, 8% surplus. Subsoil moisture 24% short, 72% adequate, 4% surplus. Winter wheat 5% poor, 19% fair, 76% good; headed 100%, 100% 1984, 100% avg.; turning 94%, 80% 1984, 75% avg. Wheat ripe 50%, 3% 1984, 15% avg.; harvested 8%, none 1984, 4% avg. Most harvesting southeast, southwest districts. Corn 7% fair, 73% good, 20% excellent; silking none, none 1984, none avg. Soybean 13% fair, 85% good, 2% excellent; planted 100%, 100% 1984, 100% avg.; blooming none, none 1984, 1% avg. Sorghum planted 100%, 100% 1984, 100% avg.; headed none, none 1984, none avg.; 11% fair, 89% good. Alfalfa 10% poor, 37% fair, 52% good, 1% excellent. Wild hay 10% poor, 24% fair, 60% good, 6% excellent.

NEVADA: Low pressure systems dominated beginning, end of week. High pressure dominated midweek. Precipitation amounts across State caused by thunderstorm activities, for the most part light. Notable amounts 0.05 in. at Windover, nearly 0.33 in. at Ely, 0.25 in. at Calunte early in week. Temperatures fairly close to normal. Northwest temperatures averaged slightly above normal, elsewhere slightly below normal. Maximum high 1150 extreme south. Coolest, 240 at Mountain City in north.

Alfalfa hay harvest good progress all areas. Crop development good increased irrigation required.

NEW ENGLAND: Precipitation 0.50 to 1.00 in. southern New Hampshire and Vermont; 1.00 to 2.00 in. all other States. Mean temperatures from upper 50's near Canadian border to mid 60's along south coast.

Days suitable for fieldwork 3.0. Soil moisture 15% short, 70% adequate, 15% surplus. Fieldwork progress on schedule. Grazing availability, 90% adequate, 10% surplus. Cool, wet weather slowed crop growth. Field corn emergence 100%, 100% 1984, 100% avg. Maine potatoes 100% emerged; condition 100% good. First cut hay 65% cut, 65% 1984, 65% avg. Apple set, June drop average; scab

incident light. Strawberry harvest active. Tobacco 100% transplanted; condition 100% good.

NEW JERSEY: Temperatures averaged 6 to 80 below normal. Extremes: 450; 920. Rainfall averaged 0.66 in. north, 1.14 in. central, 0.31 in. south. Heaviest 24-hour total 1.40 in. on 24th, 25th. Estimated soil moisture, in percent of field capacity, averaged 71% north, 69% central, 37% south. Four inch soil temperatures averaged 640 north, 660 central, 670 south.

Central counties received heavy thundershowers; southern areas dry, farmers irrigating. Soil moisture adequate northern sections. Supplies of summer vegetables continued to increase. Light scattered Irish potato digging underway. Blueberry marketing continued heavy. Clingstone peaches being harvested. Barley, wheat, rye combined. Soybean planting continued following small grain harvest. Field corn, early planted soybeans growing well.

NEW MEXICO: Average temperatures little below normal most areas. Temperatures 280 northwestern Plateau, and western mountains to 1010 southeastern Plains. Thundershowers early in week. Precipitation none to 1.02 in. northern mountains.

Days suitable for fieldwork 6.3. Soil moisture 31% short, 69% adequate. Alfalfa 33% fair, 67% good. Cotton 17% poor, 17% fair, 66% good; 50% squaring, 17% 1984, 40% avg.; 10% setting bolls, 25% 1984, 16% avg. Corn 12% fair, 76% good, 12% excellent. Barley 86% good, 14% excellent. Irrigated wheat 11% fair, 78% good, 11% excellent. Dry wheat 60% fair, 40% excellent. Irrigated sorghum 12% fair, 76% good, 12% excellent. Dry sorghum 75% fair, 25% excellent. Pecans 20% fair, 80% good. Apples 67% fair, 33% good. Chile 100% good. Onions 100% good. Cattle 9% fair, 91% good. Sheep 100% good. Range 36% fair, 46% good, 18% excellent.

NEW YORK: Temperatures well below normal. Average readings upper 50's, low 60's compared with normal readings mid 60's to around 700. Precipitation generally above normal, rainfall around 1.00 in. As much as 2.00 in. in portions of Catskills. Precipitation below normal in western State with amounts under 0.25 in. Weather dominated by a large storm western Atlantic.

Average 5.0 days suitable for fieldwork. Soil moisture adequate across State. Problems with armyworm, slugs in no-till corn. Wheat ranges from good to excellent. Rains slowed haying. First cut alfalfa hay harvest 60% complete, 71% 1984, 59% avg. Clover-timothy harvest for dry hay 37% complete, 52% 1984, 43% avg. Grass silage harvest 64% complete, 64% 1984, 65% avg. Sweet cherry picking active. Grape condition good. Apples sizing well. Pastures range fair to good.

NORTH CAROLINA: Temperatures averaged 30 below normal. Rainfall ranged from none to 1.07 in.

Days suitable for fieldwork 6.4. Soil moisture 42% very short, 51% short, 7% adequate. Tobacco 10% poor, 60% fair, 30% good. Burley tobacco planted 100%, 100% 1984, 99% avg. Corn 21% good, 4% excellent; silked 66%, 21% 1984, 34% avg. Cotton 36% fair, 64% good; squared 62%, 42% 1984, 41% avg.; bloomed 5%, 5% 1984, 3% avg. Peanut 7% poor, 40% fair, 53% good. Soybean 8% poor, 57% fair, 35% good; planted 94%, 91% 1984, 88% avg. Hay 21% poor, 65% fair, 11% good, 3% excellent. Irish potato 5% poor, 66% fair, 24% good, 5% excellent. Sweetpotatoes planted 99%, 96% 1984, 96% avg.; 57% fair, 39% good, 4% excellent. Apple 25% poor, 56% fair, 19% good. Wheat harvested 98%, 82% 1984, 82% avg. Oats harvested 97%, 87% 1984, 89% avg. Barley harvested 97%, 93% 1983, 92% avg.

Rye harvested 92%, 85% 1984, 87% avg. Pasture 31% poor, 58% fair, 10% good, 1% excellent. Major farm activities: Planting soybeans, harvesting small grains and hay, cultivating tobacco and row crops, spraying and harvesting vegetables, irrigating crops, digging potatoes.

NORTH DAKOTA: Cool week. Temperatures ranged from 60 below normal southeast to almost 120 below normal north central. Extremes ranged from 340; 900. Northern third State received most rainfall with Rolla reporting the highest weekly total, 2.61 in. Least amounts east central.

Fieldwork 3.7 days suitable. Topsoil moisture supplies better than normal, subsoil near normal. Topsoil supplies 24% short or very short, 72% adequate, 4% surplus. Subsoil supplies 29% short or very short, 71% adequate. Small grain crops mostly good to excellent; development about one week ahead of normal. Hard red spring wheat 10% fair, 68% good, 22% excellent; 41% heading or beyond, 21% 1984, 29% avg. Durum 14% fair, 61% good, 25% excellent. Barley 2% poor, 6% fair, 57% good, 35% excellent. Oats 2% poor, 21% fair, 65% good, 12% excellent. Row crops mostly good, development about normal due to cool June. Sunflower 8 in. avg. height; 9 in. 1984, 9 in. avg. Sunflower 2% poor, 43% fair, 54% good, 1% excellent. Corn 39% fair, 61% good. Insect activity not apparent on row crops at this time.

OHIO: Temperatures average 2 to 40 below normal. Highs from mid 70's to low 80's. Little or no rain north, east; southwest 0.70 to 0.80 in. Totals below normal by 0.10 to 0.20 in.

Fieldwork 6.0 days. Soil moisture 23% short, 75% adequate, 2% surplus. Corn 10% fair, 69% good, 21% excellent; none silked, none 1984, none avg.; tasseling began; sidedressing continued; slugs in no-till. Soybeans 1% poor, 34% fair, 61% good, 4% excellent; 100% planted, 100% 1984, 95% avg.; none blooming, none 1984, none avg.; weeds in no-till. Winter wheat 11% fair, 75% good, 14% excellent; 100% headed, 100% 1984, 100% avg.; 10% harvested, none 1984, none 1984. Moisture 10 to 20%. Oats rated fair to good; 95% headed, 70% 1984, 80% avg. All hay good. Alfalfa first cut 95%, 95% 1984, 90% avg. Second cut 20%, 5% 1984, 5% avg. Other hay first cut 85%, 85% 1984, 80% avg.; second cut 5%, none 1984, none avg.; conditions much improved. Tobacco fair to good. Pasture good. Harvesting vegetables, sweet corn, tomatoes, cucumbers, broccoli, zucchini - southeast. Strawberry harvest virtually complete. Picking black raspberries.

OKLAHOMA: Temperatures averaged 50 below normal southwest to 10 below normal northeast. Precipitation averaged none east central, southeast to 1.50 in. central.

Days suitable for fieldwork 5.7. Topsoil moisture 9% short, 78% adequate, 13% surplus. Subsoil moisture 2% short, 98% adequate. Wheat 14% fair, 86% good; 100% headed, 100% 1984, 100% avg.; 95% harvested, 85% 1984, 70% avg. Wheat quality down from 1984. Nearly 50% wheat stubble plowed. Sorghum 20% fair, 80% good; 97% planted, 90% 1984, 90% avg.; 3% headed, 1% 1984, 2% avg. Cotton 31% fair, 69% good; 15% squaring, none 1984, 5% avg.; none setting bolls, none 1984, none avg. Previously washed-out fields caused some cotton replanting. Cattle marketings, price down from last week.

OREGON: Temperatures below normal statewide. Northeast, south central areas below freezing minimums early, midweek. Most areas averaged 2 to 60 below normal. Trace of precipitation, west end of week.

Soil moisture 81% short, 19% adequate. Many more acres than normal under irrigation. Winter

wheat 1% poor, 51% fair, 48% good; 99% headed, 97% 1984, 98% avg.; turning color 40%; cool weather slowed maturation, limited drought stress. Fall barley harvest continued north central region. Haying continued with good conditions; alfalfa quality good except where frost damaged; cutting grain and meadow hay began high county of northeast, southeast. Grass seed crops ahead of normal; swathing began. Mint central region looks stressed. Strawberry picking neared completion west; raspberry harvest started. Cherry harvest continued; fruit quality better, early orchards suffered most of the split damage. Apple, pear set heavy; spraying and thinning. Cranberries at full bloom; pest and disease control continued. Filbert set very heavy; spraying started. Vegetable crops continued growing well under irrigation. Green pea, broccoli harvest continued. Umatilla County green pea yield down due to dryness. Snap beans, sweet corn good condition. Some light frost damage to potatoes high elevations; crop progressed normal elsewhere. Livestock condition good to excellent statewide. Range, pasture condition poor not irrigated; fair to good irrigated. Dry weather continued to dry out pastures, raise fire hazard. Grasshoppers still on eastern range.

PENNSYLVANIA: Average rainfall 0.32 in., 0.58 in. below normal. Average temperature 640, 50 below normal.

Days suitable 5.0. Soil moisture 31% short, 67% adequate, 2% surplus. Corn 1% very poor, 2% poor, 15% fair, 47% good, 35% excellent. Average corn height 25 in., 12 in. 1984. Soybeans 95% planted, 91% 1984, 91% avg.; 4% poor, 25% fair, 49% good, 22% excellent. Wheat 14% headed, 57% 1984; 71% turning yellow, 32% 1984; 15% ripe, 10% 1984; 1% poor, 19% fair, 46% good, 34% excellent. Oats 75% headed, 46% 1984; 16% turning yellow, 14% 1984; 5% ripe, none 1984; 1% poor, 16% fair, 42% good, 41% excellent. Barley 7% headed, 14% 1984; 34% turning yellow, 49% 1984; 25% ripe, 16% 1984; 34% harvested, 19% 1984. First cutting alfalfa 86% complete, 78% 1984. Second cutting alfalfa 24% complete, 5% 1984. First cutting clo-tim 75% complete, 65% 1984. Quality of hay 2% poor, 48% fair, 50% good. Feed from pastures 22% below avg., 73% avg., 5% above avg. Activities: Harvesting barley, hay, haylage, tart cherries, early cabbage, broccoli, cauliflower, green peas, snap beans; hilling potatoes, spraying corn, potatoes, soybeans.

PUERTO RICO: Island average rainfall 1.01 in. 0.21 in. below normal. Highest weekly total 6.3 in. Highest 24-hour total 3.40 in. Temperatures averaged about 80 to 820 on coast and 75 to 780 interior divisions. Mean station temperatures ranged from 69 to 840. Extremes 600; 950. Total rainfall 0.15 in. minus 0.90 in.

SOUTH CAROLINA: Temperatures hotter than normal through midweek. Milder toward weekend. Widely scattered thunderstorms early week, some locally excessive showers on weekend.

Days available for field activities 5.7. Soil moisture 32% very short, 61% short, 7% adequate. Soybeans 3% poor, 46% fair, 51% good; 92% planted, 87% 1984, 89% avg. Cotton 44% fair, 56% good; 100% planted, 100% 1984, 100% avg.; 89% squaring, 68% 1984, 83% avg. Corn fair to good; 91% silked, 62% 1984, 70% avg. Tobacco good. Peach fair; 34% harvested, 26% 1984, 28% avg. Tomatoes fair to good; 68% harvested, 74% 1984, 65% avg. Wheat fair; 98% harvested, 92% avg. Oats poor to fair; 94% harvested, 93% avg. Pasture fair. Rain localized, general rain needed.

SOUTH DAKOTA: Average temperatures 2 to 80 below normal. Extremes 35; 106, in Black Hills low 25. Precipitation widespread, below normal across most State.

Days suitable for fieldwork 4.0. Topsoil moisture short and critically short western two-third, adequate east one-third; 16% critically short, 32% short, 49% adequate, 3% surplus. Subsoil moisture critically short western half, short central, adequate east, 20% critically short, 28% short, 50% adequate, 2% surplus. Corn 1% very poor, 4% poor, 11% fair, 57% good, 27% excellent; none silking, none 1984, none avg. Winter wheat 5% very poor, 16% poor, 52% fair, 20% good, 7% excellent; 100% headed, 93% 1984, 100% avg.; none harvested, none 1984, none avg. Spring wheat 4% very poor, 4% poor, 41% fair, 37% good, 14% excellent; 96% headed, 59% 1984, 70% avg. Sorghum 2% poor, 20% fair, 67% good, 11% excellent; 96% planted, 80% 1984, 96% avg.; none headed, none 1984, none avg. Soybean 9% fair, 71% good, 20% excellent; 100% planted, 100% 1984, 100% avg.; 4% blooming, none 1984, 4% avg. Livestock good condition. Range, pasture 10% very poor, 26% poor, 32% fair, 30% good, 2% excellent.

TENNESSEE: Temperatures averaged slightly below normal northeast, near normal elsewhere. Extremes 54° Crossville; 96° Nashville. Precipitation range 0.25 in. southeast to 2.00 in. west.

Days suitable for fieldwork 5.0. Soil moisture 37% short, 53% adequate, 10% surplus. Corn 40% tasseling, 10% 1984, 12% avg.; 5% dough, 1% 1984, 2% avg.; 12% fair, 60% good, 28% excellent. Cotton 55% squaring, 40% 1984, 45% avg.; 2% setting bolls; 3% poor, 22% fair, 59% good, 16% excellent. Soybeans 92% planted, 88% 1984, 85% avg.; 1% blooming; 32% fair, 61% good, 7% excellent. Sorghum 99% planted, 88% 1984; 18% fair, 70% good, 12% excellent. Wheat 80% harvested, 70% 1984, 70% avg.; 2% very poor, 9% poor, 40% fair, 48% good, 1% excellent. Alfalfa 75% 2nd cutting, 70% 1984, 65% avg. Pastures 5% poor, 38% fair, 47% good, 10% excellent.

TEXAS: Upper level disturbance triggered thunderstorms southwest early week, unstable tropical air flowed from Gulf. Heaviest rains Permian Basin, Concho Valley, Hill Country. Cold front moved from northwest Plains midweek, reached Gulf Coast on 27th. Most thundershowers occurred along, behind front. High pressure weekend allowed unseasonably cool, dry air settled over State. Numerous record low temperatures set central, south. Temperatures below normal statewide. Precipitation below normal High Plains; east, south central, Lower Valley, upper coast, remainder State above normal.

Crops: Grain sorghum 98% planted, 98% 1984, 98% avg.; 56% headed, 56% 1984, 60% avg.; 31% turning color, 44% 1984, 41% avg.; 10% mature, 27% 1984, 17% avg.; 1% harvested for grain, 6% 1984, 4% avg. Condition 89% of normal, 64% 1984. Sorghum 1% poor, 14% fair, 66% good, 19% excellent. Planting good progress, nearing completion High Plains. Planted fields good progress, minor damage from insects younger fields. Fields continued head across Low Plains, Cross-Timbers into Blackland. Spraying midge older fields. Central, south fields turning color; harvest started Valley, Coastal Bend. Open weather help progress statewide. Corn 61% silked, 54% doughing, 34% dented. Condition 90% of normal, 70% 1984. Corn 18% fair, 55% good, 27% excellent. Fields began tasseling many areas Plains. Most fields making good progress. Blacklands, central fields continued dough heavily, some fields dent stage. Fields good progress Coastal Bend, Rio Grande Valley, harvest within two weeks these areas. Cotton 100% planted, 98% 1984, 99% avg.; 15%

squaring, 34% 1984, 30% avg.; 11% setting bolls, 10% 1984, 13% avg. Condition at 72% of normal. Cotton 15% poor, 30% fair, 47% good, 8% excellent. Fields Plains good recovery from weather conditions. Cooler temperatures slowed growth slightly. Many producers plowing fields control weeds. Irrigation necessary some areas east because dry conditions. Normal insect, weed populations central, south. Fields good growth, development. Cotton opening in Valley. Wheat 85% harvested for grain, 89% 1984, 73% avg. Condition 83% of normal, 62% 1984. Wheat 4% poor, 26% fair, 54% good, 16% excellent. Harvest progressed well Plains, minor delays for rain. Harvest nearing completion dryland fields in area. Test weights continued lower than normal. Rice 13% headed, 57% 1984, 55% avg.; none turning color, 15% 1984, 7% avg. Condition 96% of normal. Rice 71% good, 29% excellent. Fields started heading upper coast. Fields good growth. Weed control continued many fields. Peanut 97% planted, 88% 1984, 88% avg. Fields Plains excellent progress. Some fields blooming. Producers reported good stands Cross-Timbers. Planting continued central as fields dried out. Soybeans 87% planted, 99% 1984, 87% avg. Planted behind destroyed cotton Plains. Most areas reported good progress previously planted fields. Other crops oats 90% harvested, 85% 1984, 84% avg. Sunflowers 96% planted, 94% 1984, 85% avg.

Commercial Vegetables: Rio Grande Valley, melon harvest winding down. Pepper harvest also past peak. Citrus groves showing good progress; fruit sizing well. Rust mites causing some problems. San Antonio-Winter Garden, tomato, pepper, cabbage harvest continued. East Texas melon harvest continued. Harvest squash, peas, tomatoes, peppers continued steady. Sweetpotatoes show good growth. High Plains cucumber planting started. Carrots, potatoes, onions good progress. Trans-Pecos harvest onions, cabbage continued. Chile setting fruit. Late peach varieties come off many areas. Damage from root rot, grasshoppers some areas. Pecans continued good progress. Spraying second generation casebearers underway.

Range and Livestock: Most ranges, pastures good. Scattered areas east, Edwards Plateau need rain. Haying operations continued good yields. Grasshoppers continued damage some ranges. Livestock good condition, good weight gains, marketings slow.

UTAH: Precipitation light to moderate over southeastern third of State, moderate to heavy northwestern two-third. Snow at high elevation stations on 25th. Temperatures averaged 30 below normal ranging from normal to 100 below.

Unsettled weather slowed fieldwork with 5.5 days suitable. Rain replenished moisture supplies, most areas would welcome additional moisture. Frost south high elevation areas on 26th nipped corn, potatoes, beans, barley. Winter wheat 22% turning, 77% headed. Barley harvest underway extreme southwest, 18% turning 71% headed. Spring wheat 79% headed or beyond, oats 62% headed or beyond. First cut alfalfa 92% complete; sweet cherry harvest full swing, rain may cause some splitting. Livestock, ranges continued in good shape.

VIRGINIA: Variable daily temperatures, light precipitation. Temperature range: 46° to 97°. Average temperatures slightly below normal, lower 70's. Precipitation 0.25 in. near coast 0.10 in. elsewhere.

Days suitable for fieldwork averaged 5.8. Topsoil moisture 76% short, 24% adequate. Crop conditions declined with dry weather but small grain harvest accelerated. Corn good; 26% silk,

9% 1984, 18% avg. Corn close to critical pollination period when rain needed. Soybeans 88% planted, 83% 1984, 85% avg.; condition mostly good to excellent. Peanuts good to mostly excellent. Tobacco good to mostly excellent. Irrigating tobacco. Flue-cured tobacco growth variable. Some poor quality seedlings transplanted due to seedling shortage, now fields uneven. Barley 96% harvested, 87% 1984, 89% avg. Wheat 75% harvested, 60% 1984, 68% avg. Oats 65% harvested, 53% 1984, 46% avg. Potato harvest approached full swing, conditions excellent. Apples fair. Pasture, hayland fair to good. Livestock good to excellent.

WASHINGTON: Dry, cool. Maximum temperatures high 60's, 70's, below normal. Temperatures warm somewhat later week.

Days suitable for fieldwork 7.0. Soil moisture 33% short, 34% fair, 33% adequate. Dry, sunny weather advanced crop development. Winter wheat fair; 96% headed, 81% 1984, 90% avg. Cherry harvest winding up. Strawberry harvest full swing. Green pea, broccoli harvest continue. Ranges, pastures stressed by drought. Hay stands light. Grasshopper numbers increasing.

WEST VIRGINIA: Temperatures averaged 2 to 50 below normal. Low 360 Greenbank; high 920 Williamson. Weekly average statewide 670. Precipitation averaged slightly below normal, most rainfall at week's end. State average 0.13 in.

Days worked 5.4. Soil moisture adequate to short. Making hay, gardening. Feed supplies adequate.

WISCONSIN: Average temperatures near normal. Precipitation 0.20 to 1.00 in. north, 0.20 to 1.20 in. central, 0.10 to 1.10 in. south.

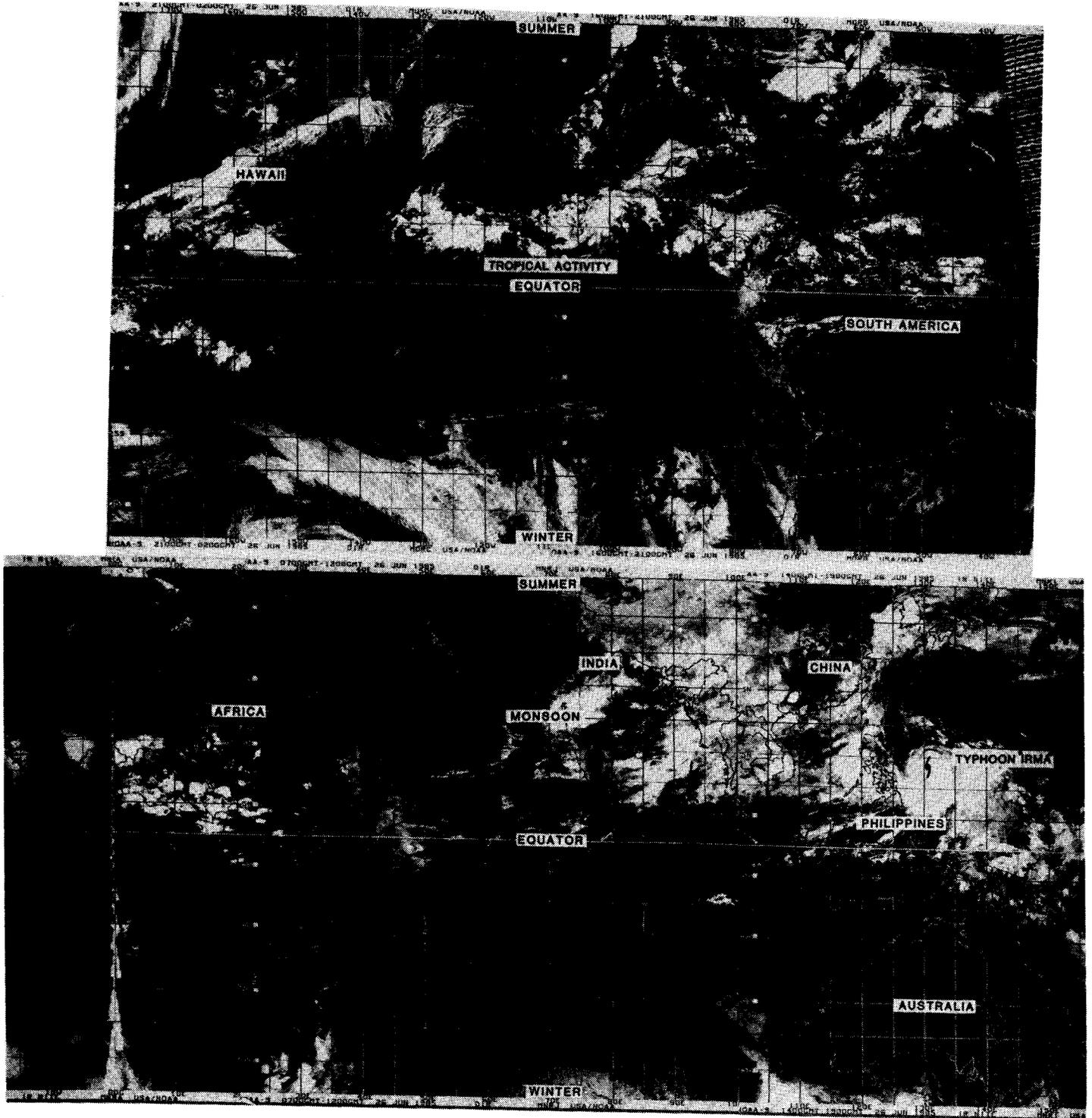
Days suitable for fieldwork 5.9. Soil moisture 65% short, 35% adequate. General crop condition, 11% poor, 43% fair, 45% good, 1% excellent. Corn 5% poor, 31% fair, 59% good, 5% excellent; height 22 in., 21 in. 1984, 18 in. avg. Soybeans 100% planted, 100% 1984, 100% avg. First cutting of hay 88% complete, 83% 1984, 79% avg. Second cutting hay 4% complete, none 1984, none avg. Yields below average due to dryness. Oats 65% headed, 54% 1984, 49% avg.; turning color, south. Winter wheat headed, turning color most growing areas. Pasture 64% of normal, 95% 1984, 82% avg. All crops affected by dry conditions.

WYOMING: Temperatures below normal. Precipitation above normal except northeast.

Days suitable for fieldwork 5.0. Topsoil moisture 50% short, 50% adequate. Winter wheat 5% not booted, 5% 1984; 10% booted, 40% 1984; 85% headed, 55% 1984. Barley 10% not jointed, 20% 1984; 20% jointed, 30% 1984; 20% booted, 30% 1984; 50% headed, 20% 1984. Spring wheat 10% not jointed, 30% 1984; 20% jointed, 45% 1984; 25% booted, 20% 1984; 45% headed, 5% 1984. Oats 15% not jointed, 30% 1984; 15% jointed, 30% 1984; 35% booted, 30% 1984; 35% headed, 10% 1984. Sugarbeets 95% thinned, 85% 1984. Alfalfa first cutting 50%, 30% 1984. Other hays 20% first cutting, 5% 1984. Range, pasture 30% poor, 50% fair, 20% good. Livestock 25% fair, 75% good. Some selling of livestock due to dry range. Spraying continued for grasshoppers.

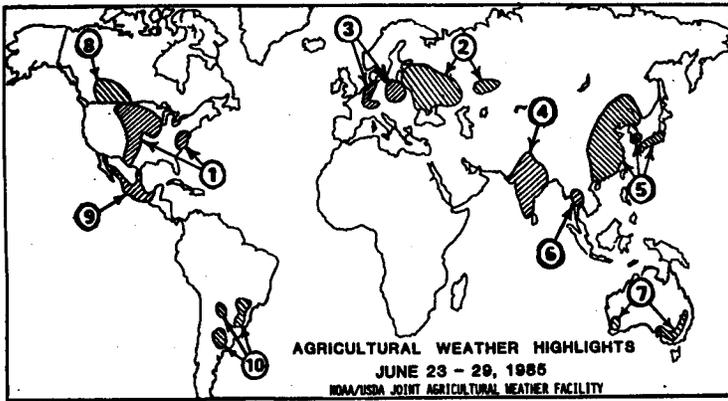
GLOBAL WEATHER SATELLITE PHOTO

June 26, 1985



International Weather and Crop Summary

June 23 - 29

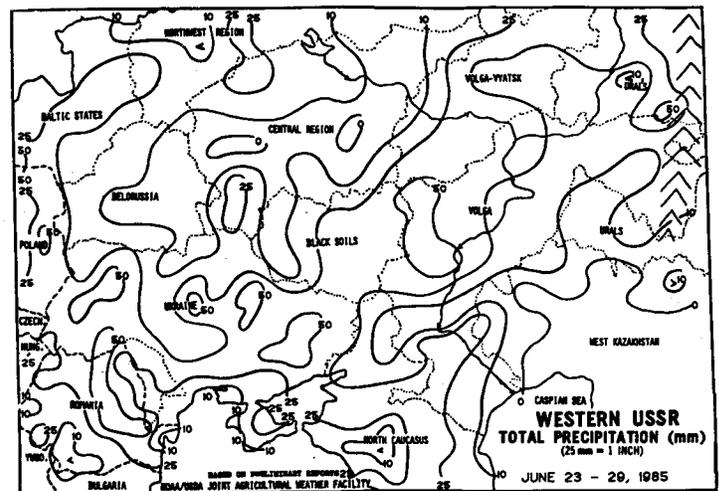
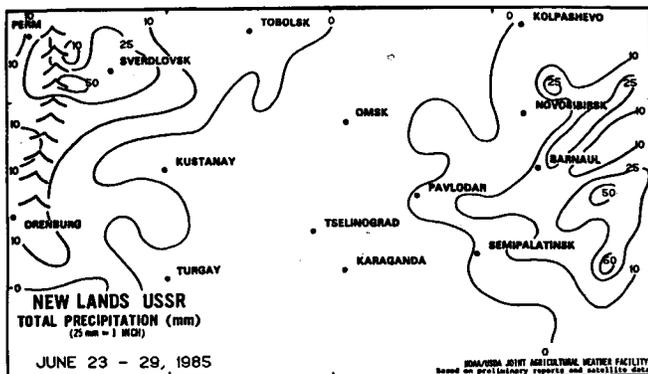


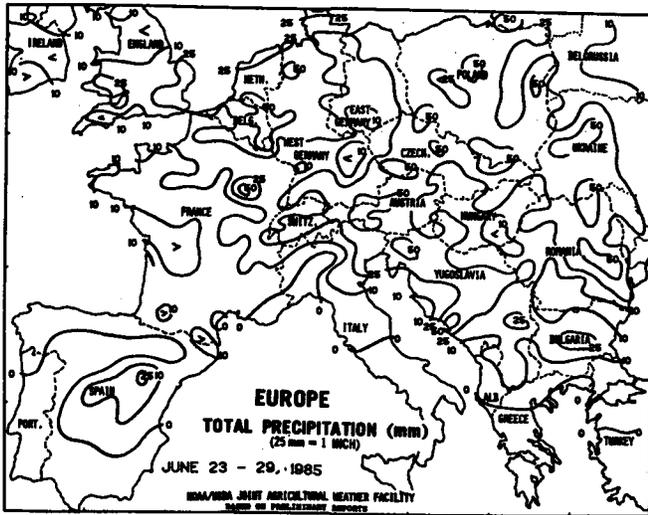
HIGHLIGHTS:

1. **UNITED STATES** ... Rain benefits crops in the Great Plains and western Corn Belt but slows small grain harvesting. Dryness slows crop development along the mid-Atlantic coastal States.
2. **USSR** ... Wet weather benefits crop growth in Western USSR. Unseasonably warm, dry weather stresses spring grains in the western and central New Lands.
3. **EUROPE** ... Conditions are possibly becoming too wet for crops in West Germany. Wet weather provides abundant soil moisture in Poland and Czechoslovakia. Below-normal temperatures slow crop growth over much of the region.
4. **SOUTH ASIA** ... Heavy rain floods western rice, while beneficial rain covers most eastern rice areas.
5. **EASTERN ASIA** ... Heavy rain floods rice in China, Korea, and Japan. Hot, dry weather stresses crops in the North China Plain.
6. **SOUTHEAST ASIA** ... Monsoon showers aid Thailand's crops in vegetative growth, but heavy rain over Luzon, Philippines floods rice and corn.
7. **AUSTRALIA** ... Persistent dryness hampers crop establishment across the eastern wheat belt.
8. **CANADA** ... Crop conditions deteriorate in the southwest Prairies grain belt as dry weather persists. Cool weather slows crop growth throughout the Prairie Provinces.
9. **MEXICO** ... Widespread rain continues benefiting southern Plateau crops and increasing western mountain and southern reservoir levels.
10. **SOUTH AMERICA** ... Warm, dry weather delays Argentina's wheat planting but promotes wheat growth and coffee harvesting in Brazil.

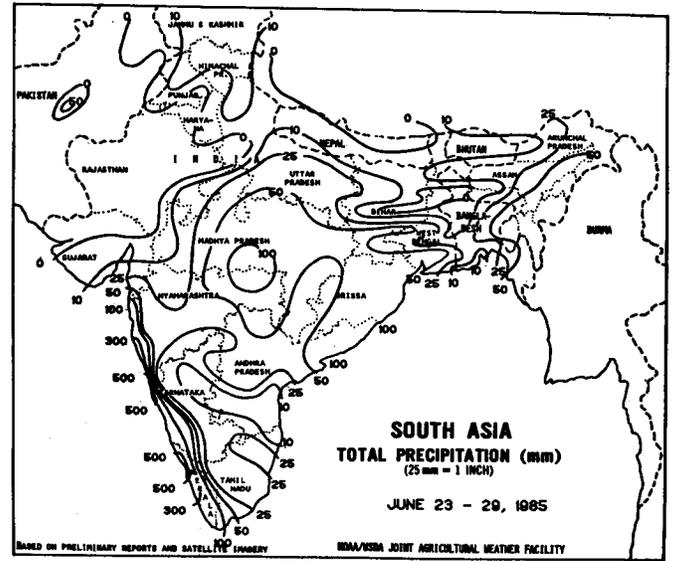
USSR...Periodic showers and thunderstorms covered much of Western USSR. The heaviest rain (around 50mm) fell on the Ukraine, eastern Black Soils Region, and the western Volga Valley. Rain in these areas benefited winter grains in the filling stage and spring grains in the reproductive stage. However, soils are probably becoming too wet in the western Ukraine and some crop lodging is possible. Winter grains are likely maturing in the southern Ukraine and North Caucasus. Reports indicate winter grain harvesting around Krasnodar, where the weather was favorably dry. Temperatures were 1-2C below normal across the south and near normal in the north.

In the New Lands, unseasonably warm weather early in the week covered the western half of the region. Highest temperatures around 35C, covered spring grains from Orenburg to Kustanay. However, winds remained light (less than 10 knots). A cold front passed through Orenburg on Friday, providing relief from earlier hot, dry conditions. Mostly dry weather covered spring grains from Kustanay to Semipalatinsk, and additional showers are needed to meet crop moisture needs. Spring grains are likely entering the heading stage in the southern Urals and are in the jointing stage over the remainder of the New Lands. Temperatures continued below normal in the east, where warm weather is needed to enhance growth.

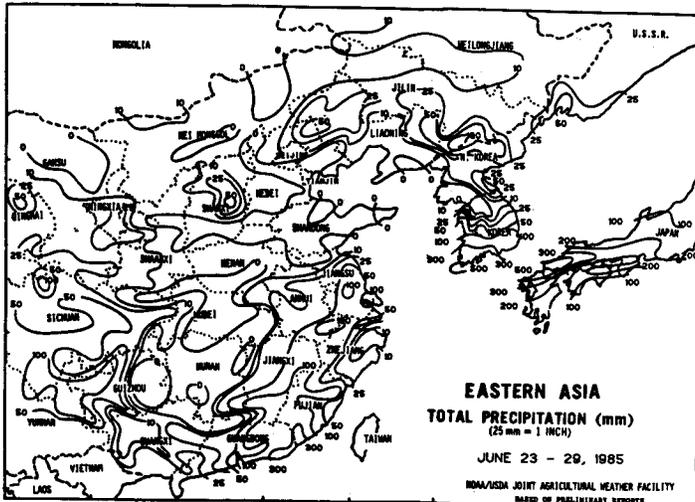




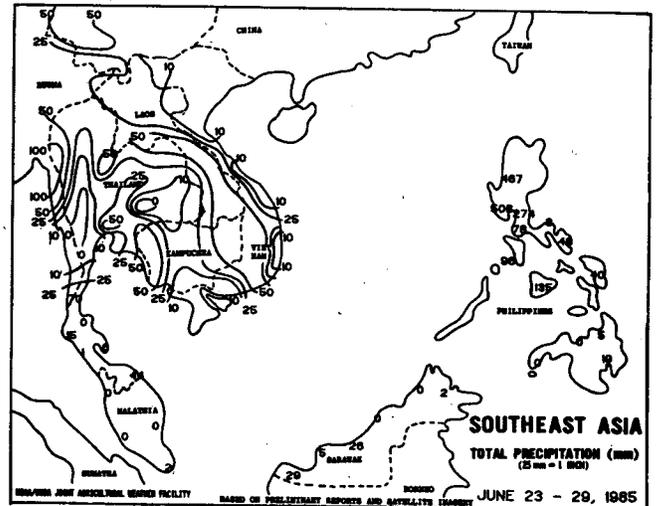
EUROPE...Light showers in England and northern France maintained abundant moisture conditions for winter grains in the filling stage. Persistent showers (25-50mm) in West Germany is causing some areas to become too wet, possibly resulting in crop lodging, increased weediness, and leaching of soil nitrates. Crops in Poland and Czechoslovakia also received widespread showers, which provided abundant soil moisture. In Mediterranean areas, dry weather aided winter grain harvesting. Crop areas in southeastern Romania continued to receive significant showers. Weekly temperatures over Europe continued below normal, slowing crop growth.



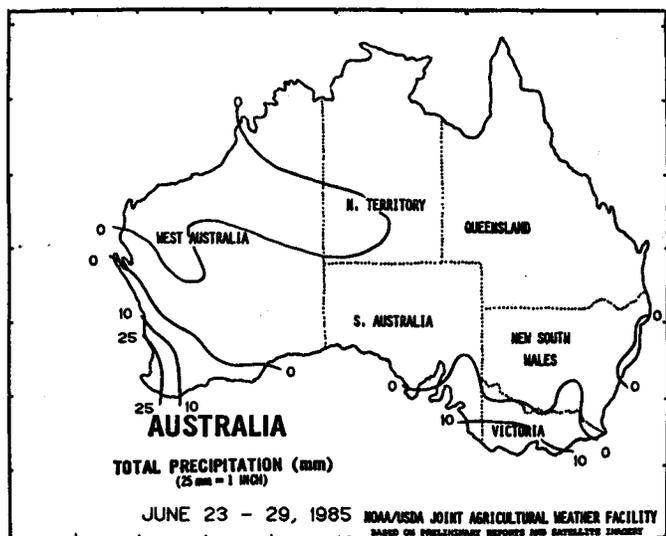
SOUTH ASIA...Extremely heavy rain (300-500mm) fell along much of India's west coast. Flooding damaged autumn rice, and some replanting may be required. A tropical low pressure area in the Bay of Bengal moved into eastern India early in the week. Moderate to heavy rain (25-100mm) covered much of the eastern rice areas, benefiting vegetative growth of autumn rice and building moisture supplies for winter rice planting in July. Lighter showers (10-25mm) kept topsoils moist in cotton and groundnut areas of Maharashtra, Karnataka, Andhra Pradesh, and Tamil Nadu.



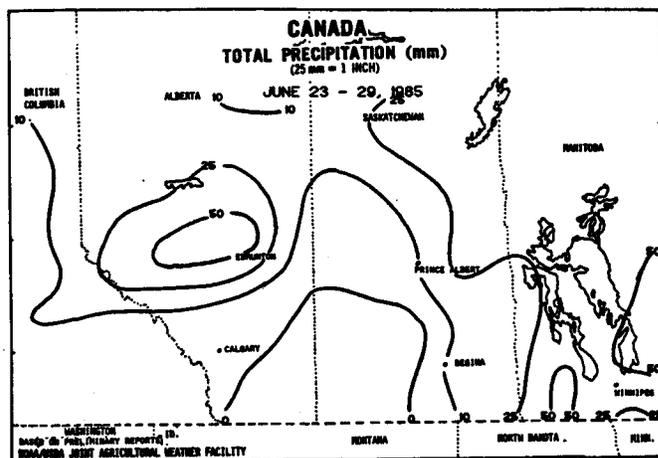
EASTERN ASIA...Typhoon Hal entered southern China early in the week. Heavy rain (100-300mm) caused flooding in Fujian and eastern Guangdong, possibly damaging some early rice in the filling and maturing stages. Beneficial rain (25-75mm) spread through the lower Yangtze Valley as Hal weakened. Unfavorably dry weather persisted in much of the North China Plain. Nonirrigated summer crops in the reproductive stage were stressed as temperatures increased as high as 37C in Henan. Favorable dry weather aided wheat harvesting. Moderate rain benefited northeast corn and soybeans. Heavy rain (100-300mm) caused flooding in southern South Korea and Japan, where some rice areas may have to be replanted.



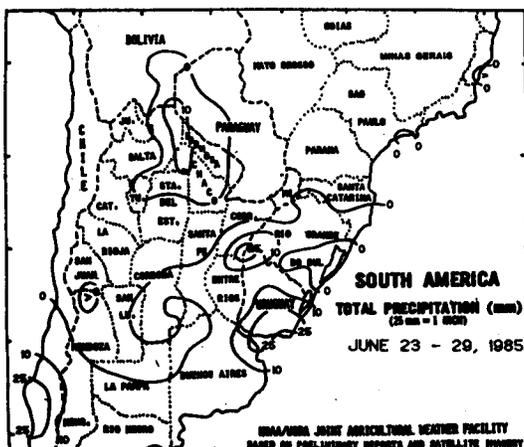
SOUTHEAST ASIA...Thailand's rice, corn, and other rain-fed crops benefited from generally widespread shower coverage. Weekly rainfall averaged 20-40mm in the north, northeast, and central regions, which are major corn and rice growing areas. Although still somewhat below average, the moisture was sufficient for vegetative growth. Rainfall was light in the southeast, and in the extreme west. Elsewhere, rainfall was much less than the previous week, when locally inundating rain fell over Laos, Vietnam, and Kampuchea. Early-week heavy rain fell over Luzon in the Philippines with Typhoon Hal's flooding and high winds damaging crops in the north. Substantial rain fell again later in the week over the northern Philippines as Typhoon Irma passed to the east of the islands.



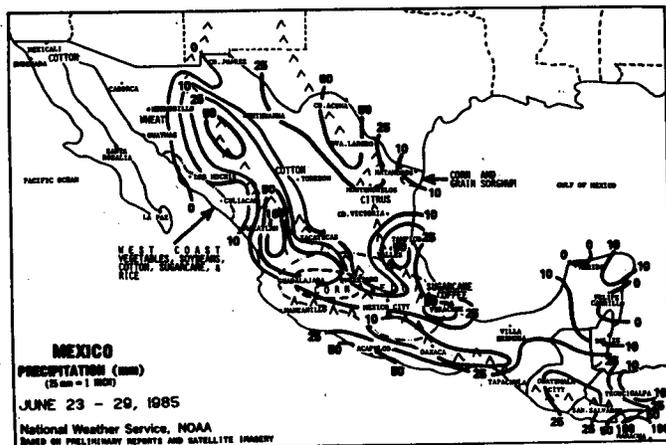
AUSTRALIA... Little rain fell in the eastern wheat belt during the last 3 weeks. Limited topsoil moisture restricted late wheat planting. The dryness also created poor conditions for establishing earlier planted wheat. Moderate rain (5-25mm) benefited wheat in Western Australia where moisture is slightly more favorable. However, rainfall was below normal, especially in the northern wheat areas of Western Australia. Above-normal temperatures in Western Australia, South Australia, Victoria, and southern New South Wales increased the moisture demand of emerging crops. Timely growing season rain will be required to improve wheat prospects.



CANADA... Dry weather persisted over the southwestern Prairies as crops deteriorated and spring grains approached the weather-sensitive reproductive phases. Crops were in fair condition in southwestern Saskatchewan and southern Alberta. Unusually cool weather covered the grain belt again, with temperatures averaging 3-5C below normal in the east and 1-3C below normal in the west. The cool weather slowed vegetative growth of spring-sown crops. Substantial showers (25-55mm) fell over northwestern crop areas of Alberta and Manitoba. Lighter showers (10-25mm) fell over eastern Saskatchewan, aiding spring grain and oilseed growth. Rainfall diminished rapidly over central Saskatchewan and northern Alberta. The dryness in the southwest depleted moisture supplies at a crucial time in the growing season.



SOUTH AMERICA... Mostly dry, warm weather covered the major crop areas of center-south Brazil and Argentina. In Argentina, very light showers fell over Buenos Aires, but substantial rain is needed for wheat planting. Weekly temperatures averaged over 5C above normal throughout the wheat areas, increasing the evaporation rates over soils, which have limited moisture reserves. The driest areas appear to be southern Buenos Aires, La Pampa, and Cordoba. Wheat planting may extend into August, but late plantings increase the hazard of weather-related problems for the yield potential. Brazil's wheat is mostly planted. The recent drier weather in Rio Grande do Sul aided late planting. Dry weather also prevailed in Parana where wheat is in vegetative growth. Further north, dryness favored Sao Paulo's maturing citrus crop and Brazil's coffee harvest.



MEXICO... Beneficial rain continues over corn and bean fields in the southern Plateau and the South. Rain also extended through the western mountain watersheds, replenishing reservoirs. The rainy season is well established over most of the country and heavier than usual amounts have fallen during the past couple of weeks, especially over the southern mountains.

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 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.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor Don Haddock
Meteorologists Lyle Denny,
Ray McInturff, Jim Williams, Wes Byrd,
Mark Brusberg, and Dan Sullivan

Subscriptions (202) 447-7917 . . Cheryl Caleco

U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
Editor Sharon Lee
Statistical Reporting Service
Agricultural Statistician . . . Clif James
World Agricultural Outlook Board
Agricultural Weather Analysts. . Ray Motha,
Tom Puterbaugh, and Ron Lundine

NOAA/USDA Joint Agricultural
Weather Facility
Room 5844 USDA South Building
Washington, D.C. 20250

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

210



OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

WEEKLY NEWS BULLETIN
SECOND CLASS