

WEEKLY WEATHER AND CROP BULLETIN

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

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

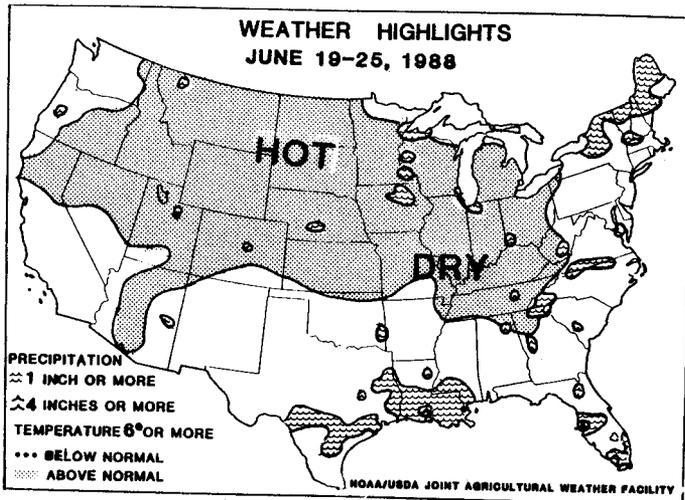
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June 28, 1988

National Weather Summary

June 19-25, 1988



WEDNESDAY...The severe heat continued across the Nation. A frontal system brought cooler weather and much needed rain extending from New England, across the Great Lakes, and into the northern Corn Belt.

THURSDAY...The frontal system swept through New England and into the mid-Atlantic States, bringing cooler Canadian air into the Northeast. Thunderstorms occurred along the frontal system from the mid-Atlantic coast to Missouri. Widely scattered rain fell in the West, and the hot weather continued over much of the Nation.

FRIDAY...Thunderstorms were scattered across the Southeast, southern Plains, and the western States. Storms brought much needed rain to southwest Wisconsin and eastern Iowa. The Northeast had a break from the heat, but hot weather continued over much of the Nation.

HIGHLIGHTS: Drought conditions remained across the northern Plains and much of the central United States, with only scattered areas receiving substantial rain. Hot weather persisted over the country with the Northeast getting relief with cooler air at the end of the week.

SATURDAY...A frontal system slowly advanced across the upper Midwest, bringing some drought relief in lower temperatures and scattered thunderstorms. Searing heat extended from the central Plains through the Tennessee and Ohio Valleys and the lower Great Lakes. More than 50 cities reported record-high temperatures.

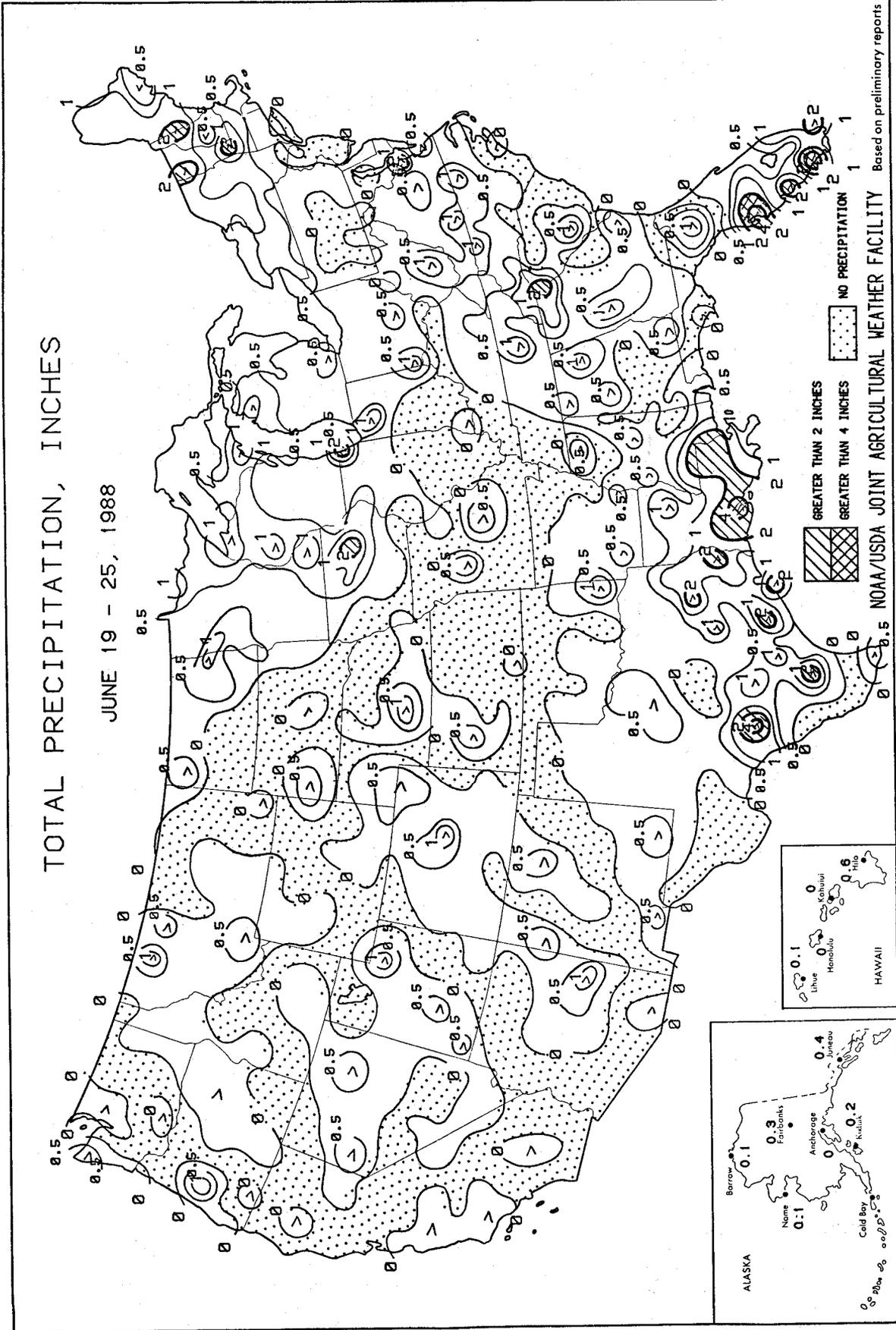
SUNDAY...The Great Plains experienced another day of hot weather. Temperatures reached over 100 degrees as far north as South Dakota and Minnesota. Showers and thunderstorms moved across the Upper Mississippi Valley and central Plains and were spread over the Southeast.

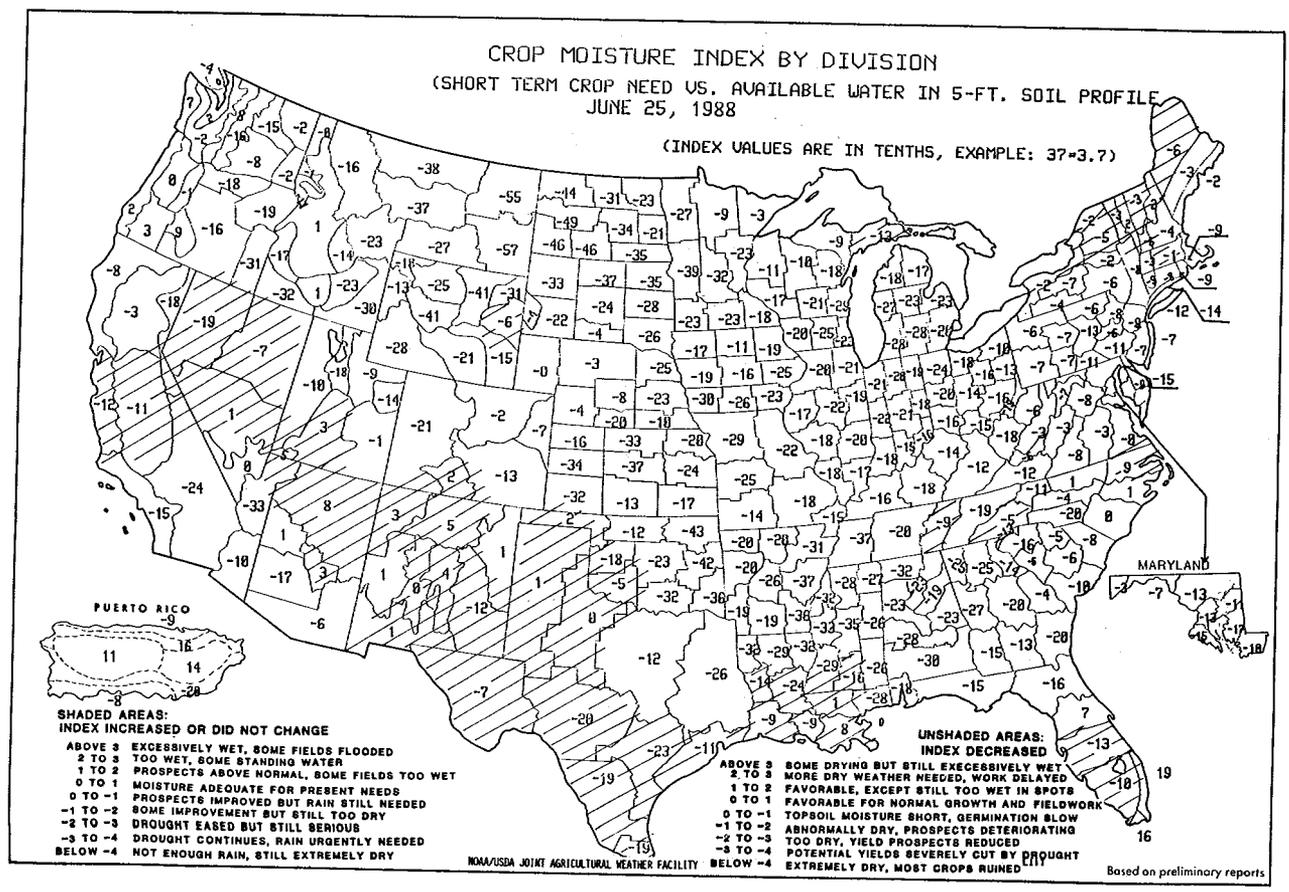
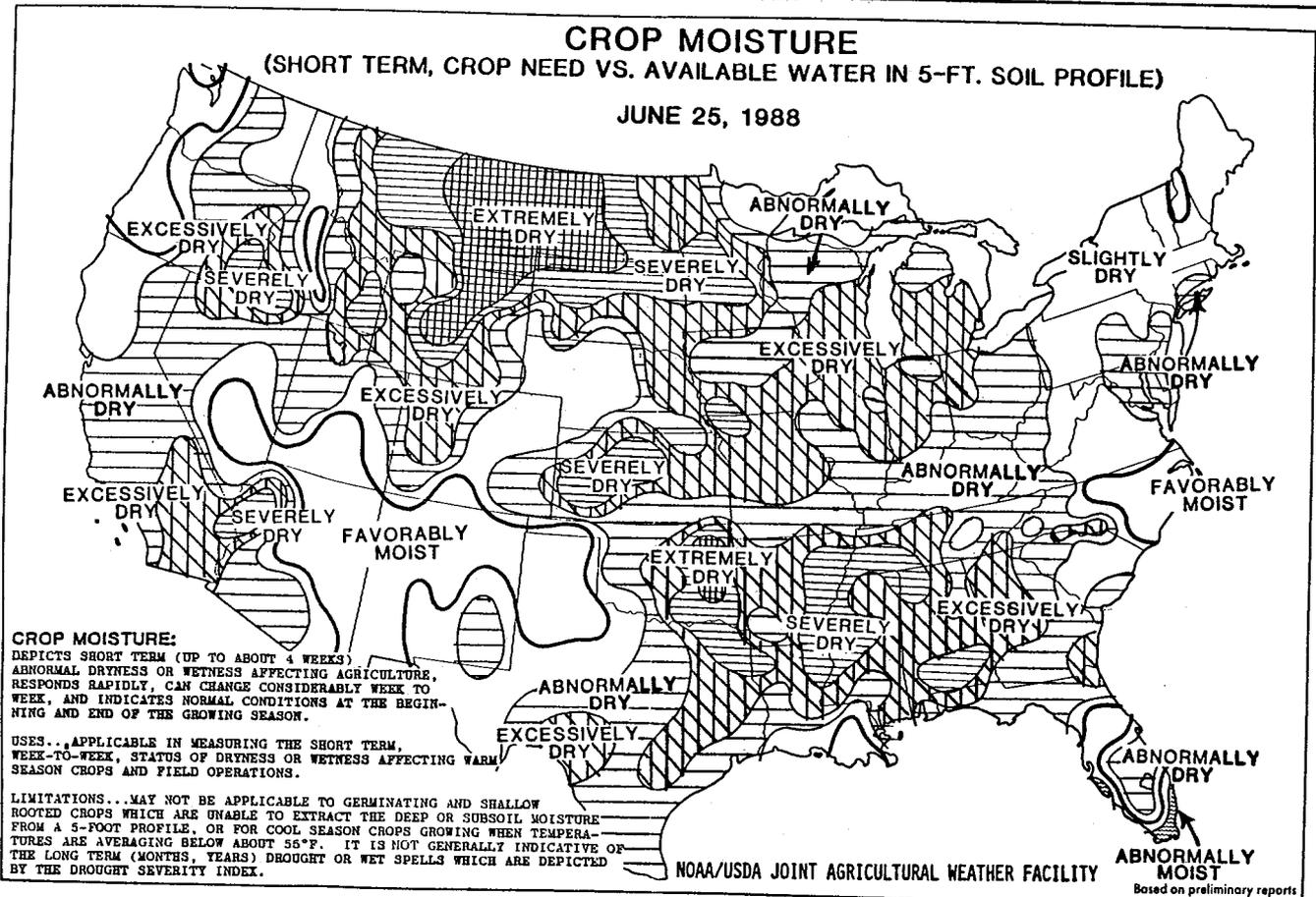
MONDAY...Summer got underway to a hot, dry start. Parched conditions continued to dominate the Plains and Mississippi, Ohio, and Tennessee Valleys. Showers and thunderstorms were spotty across the Nation.

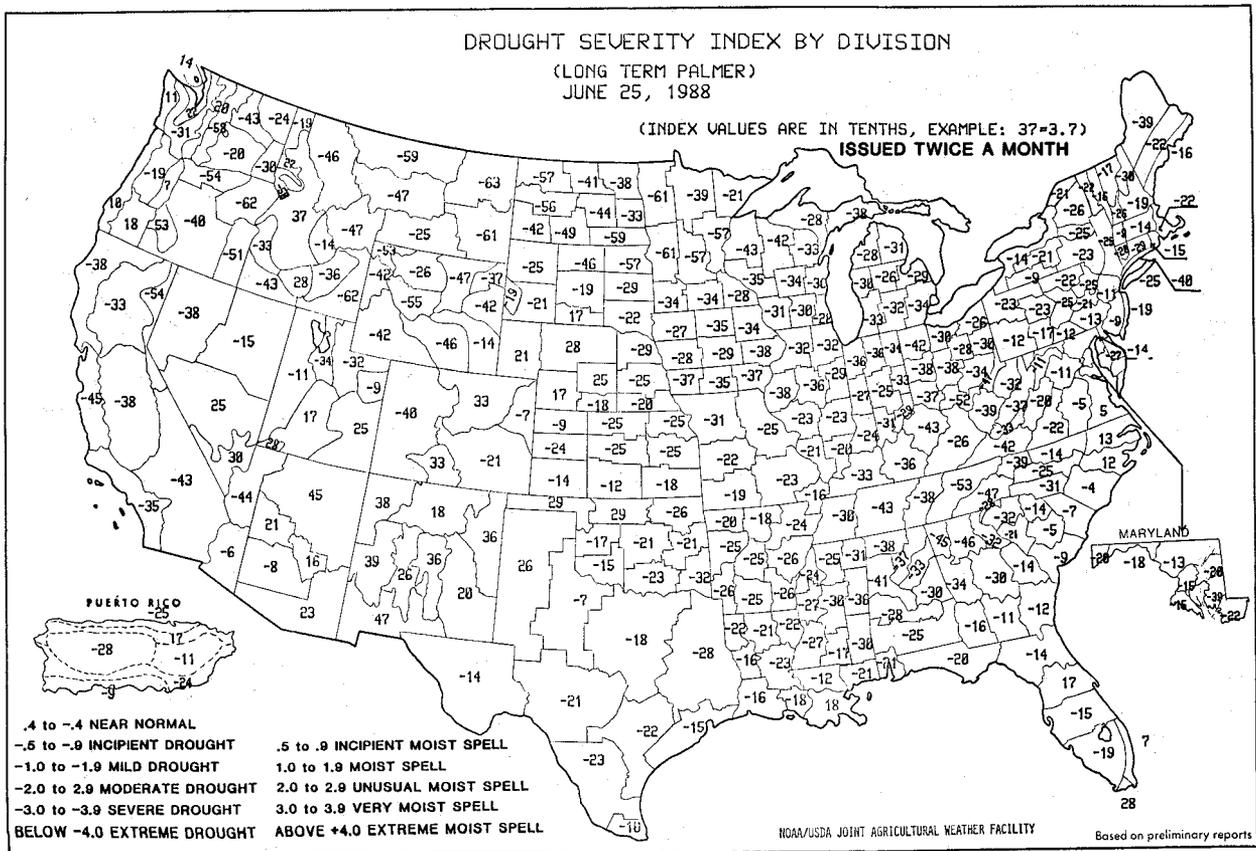
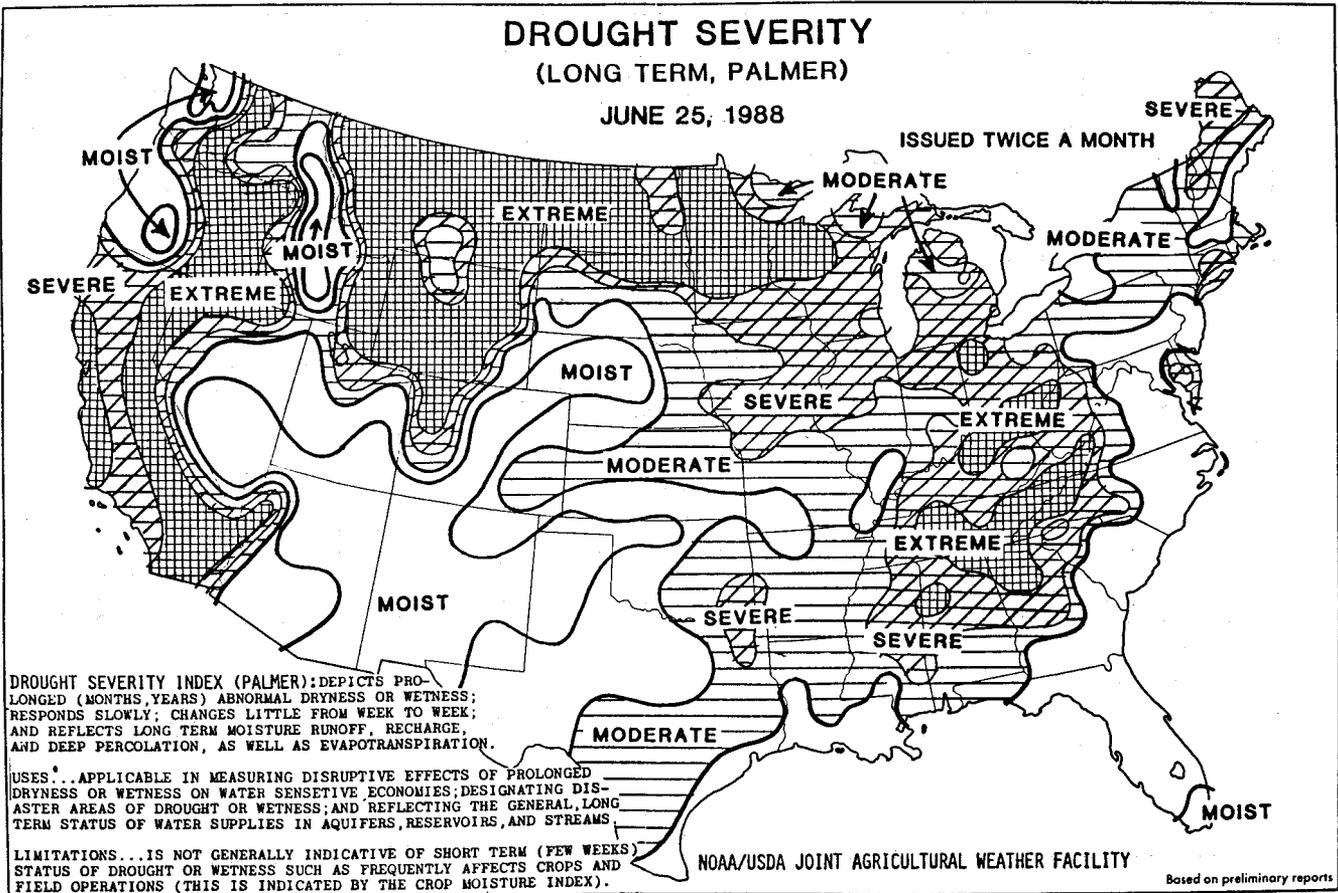
TUESDAY...The dog days of August arrived early as much of the Nation continued to suffer from heat and drought. Thunderstorms moved across the north-central United States and were again spotty through the remainder of the country.

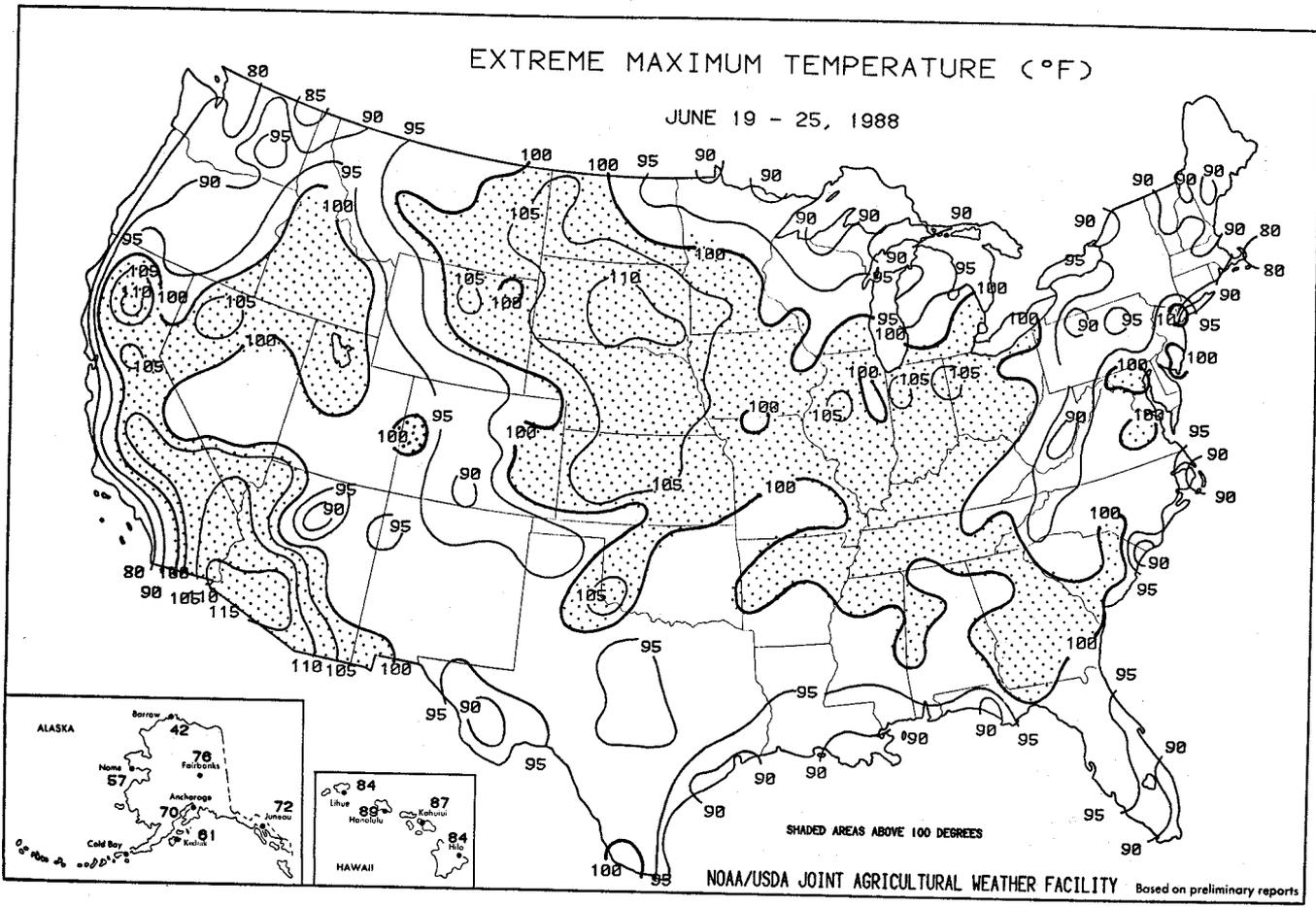
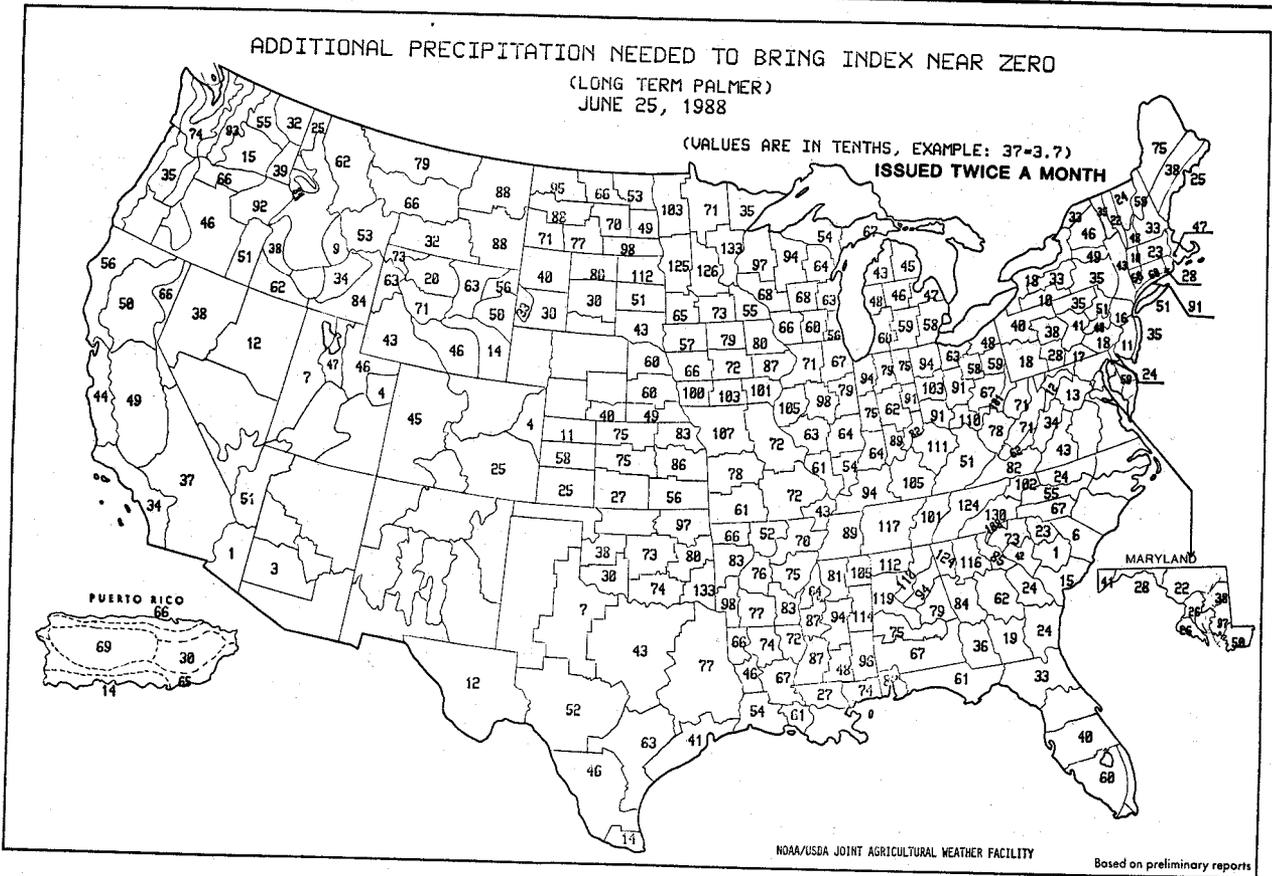
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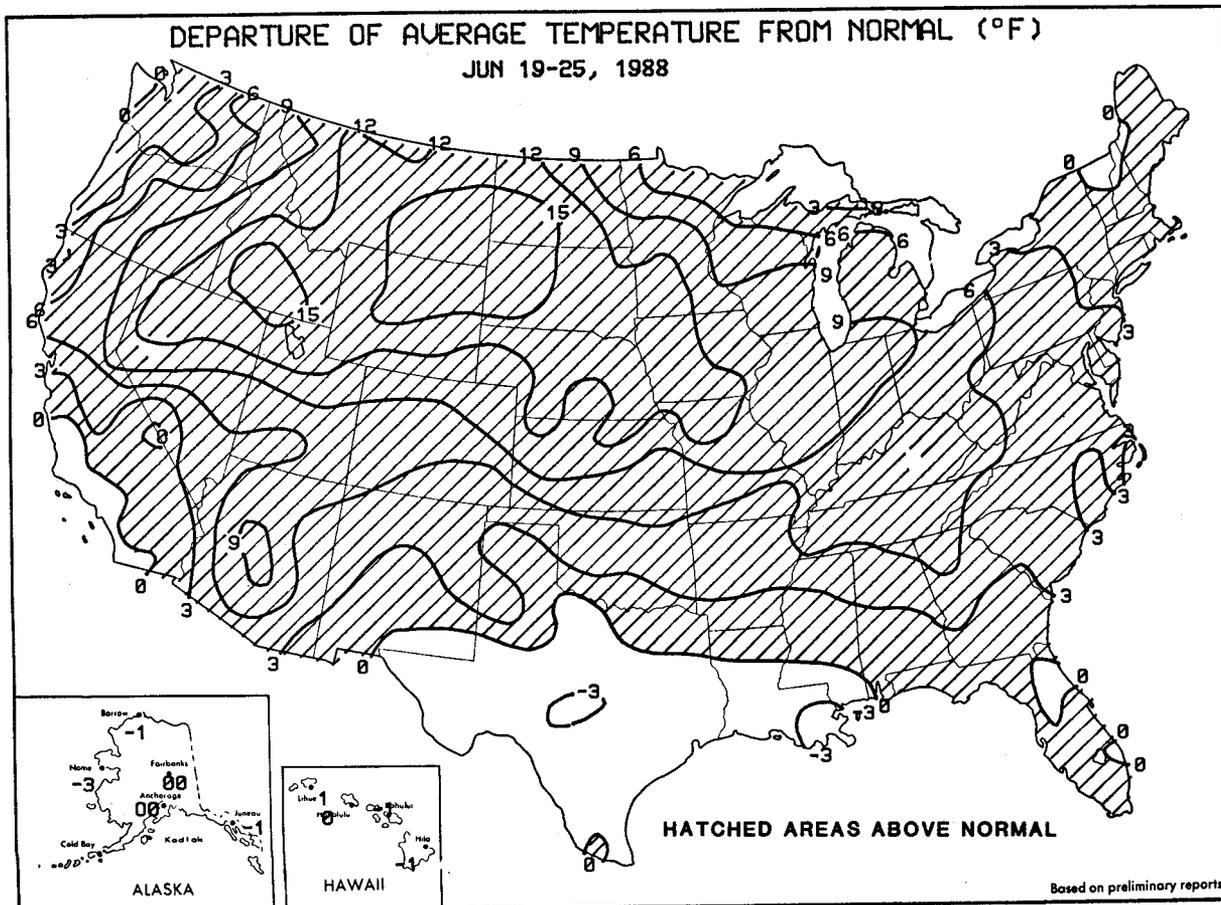
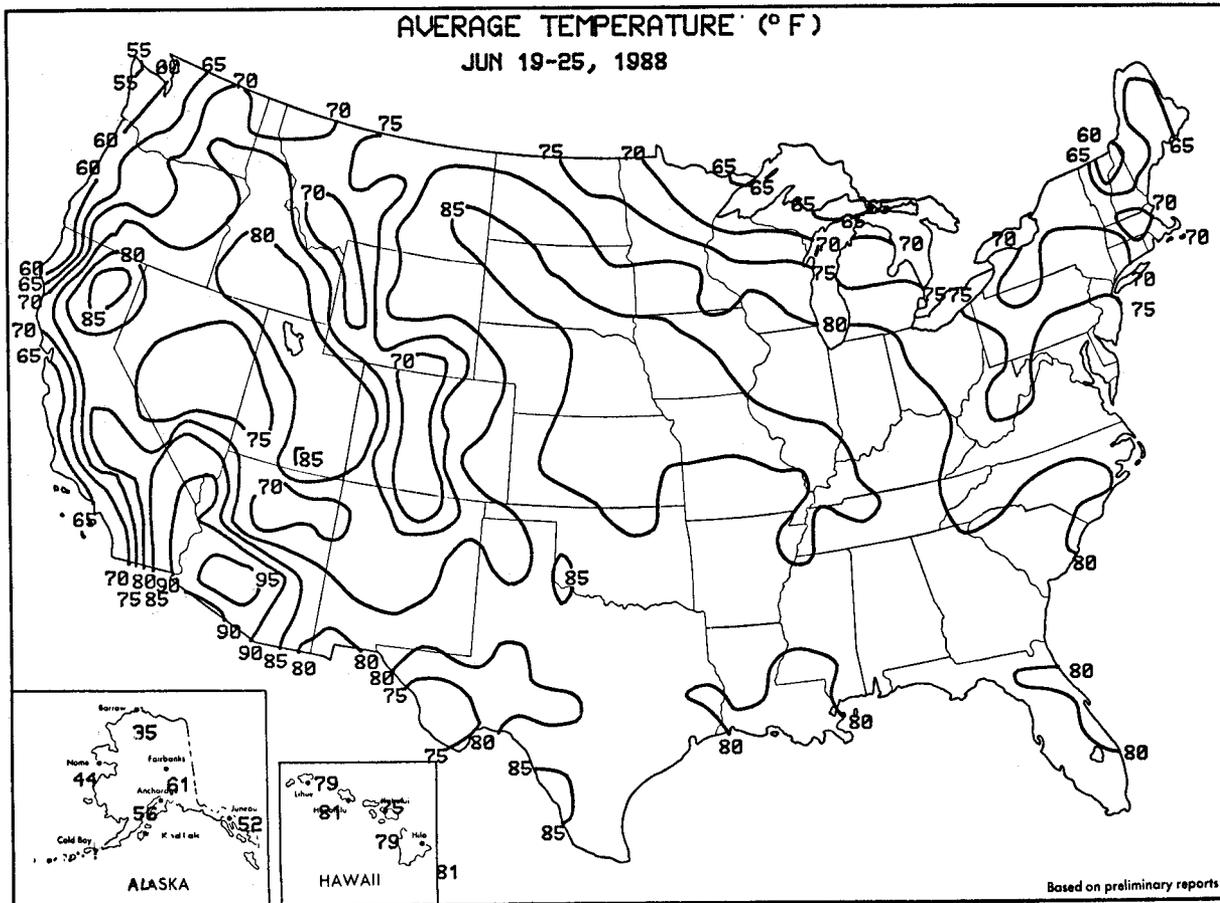
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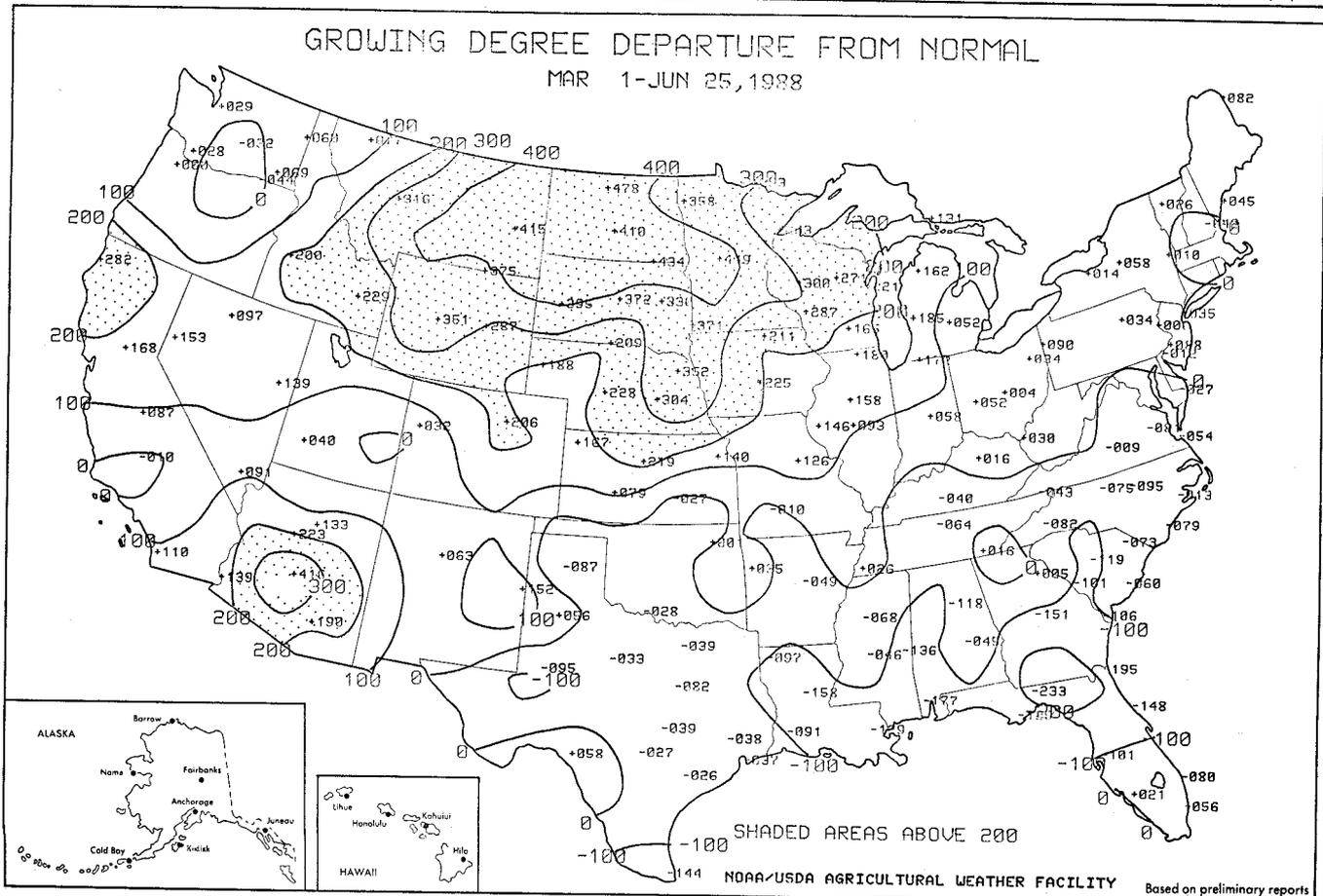
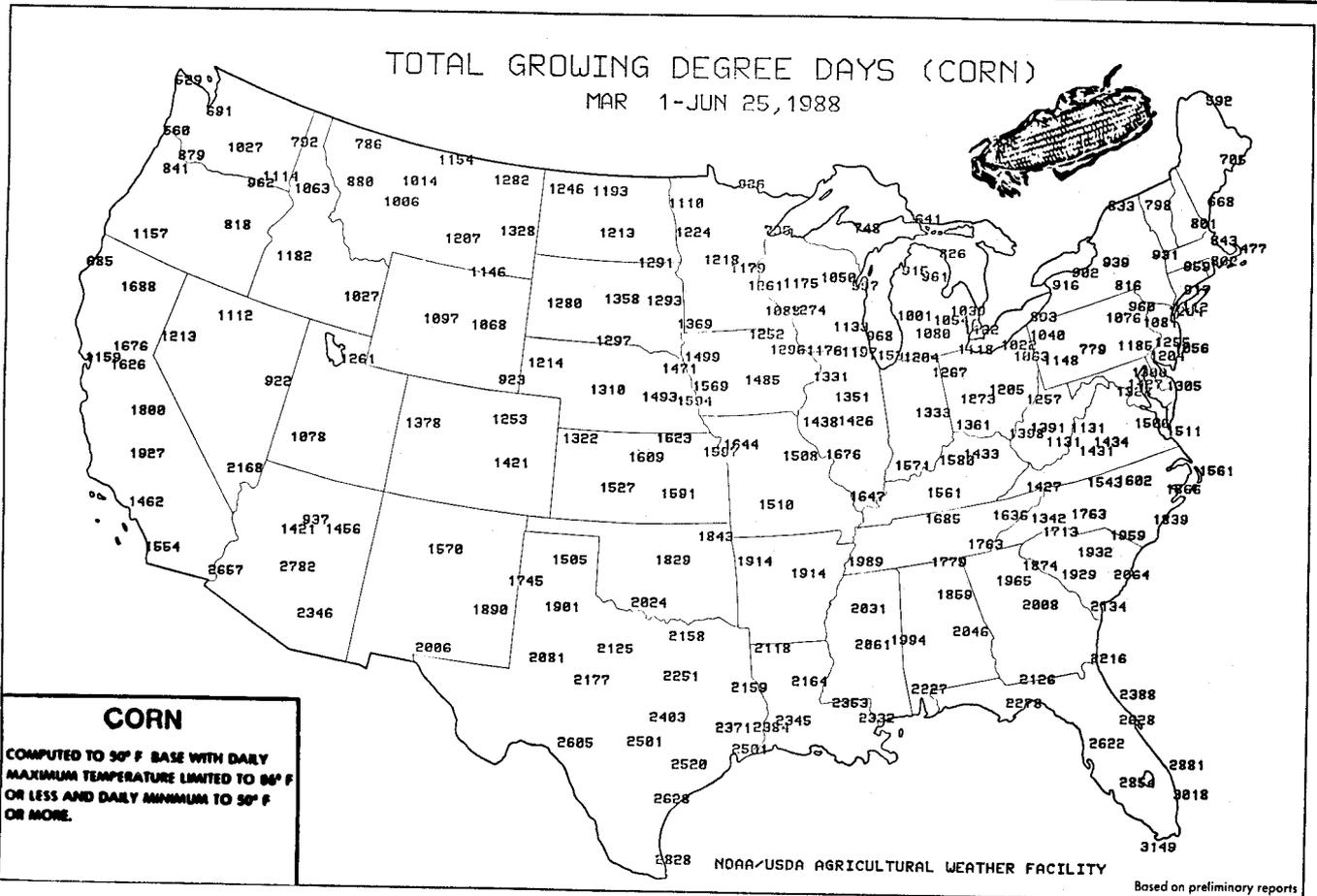


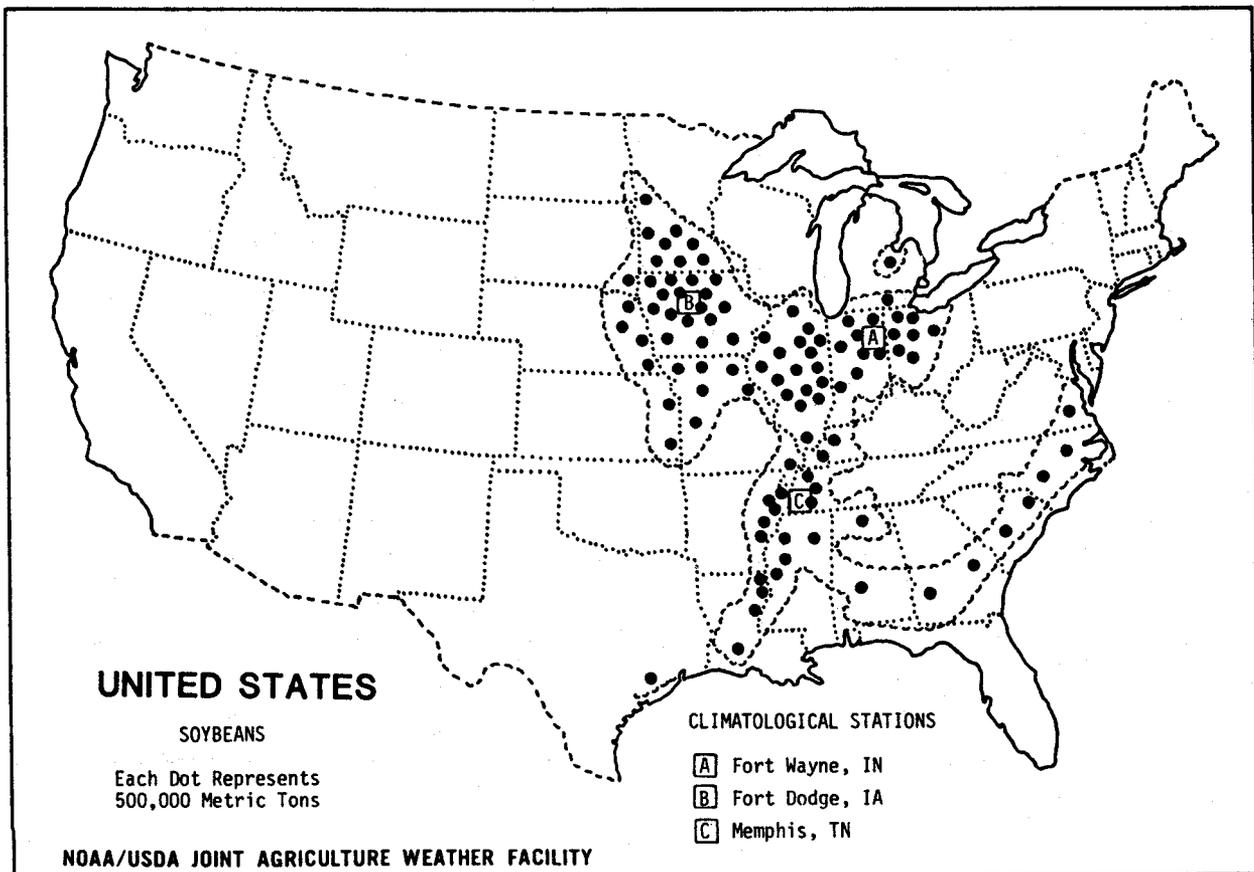
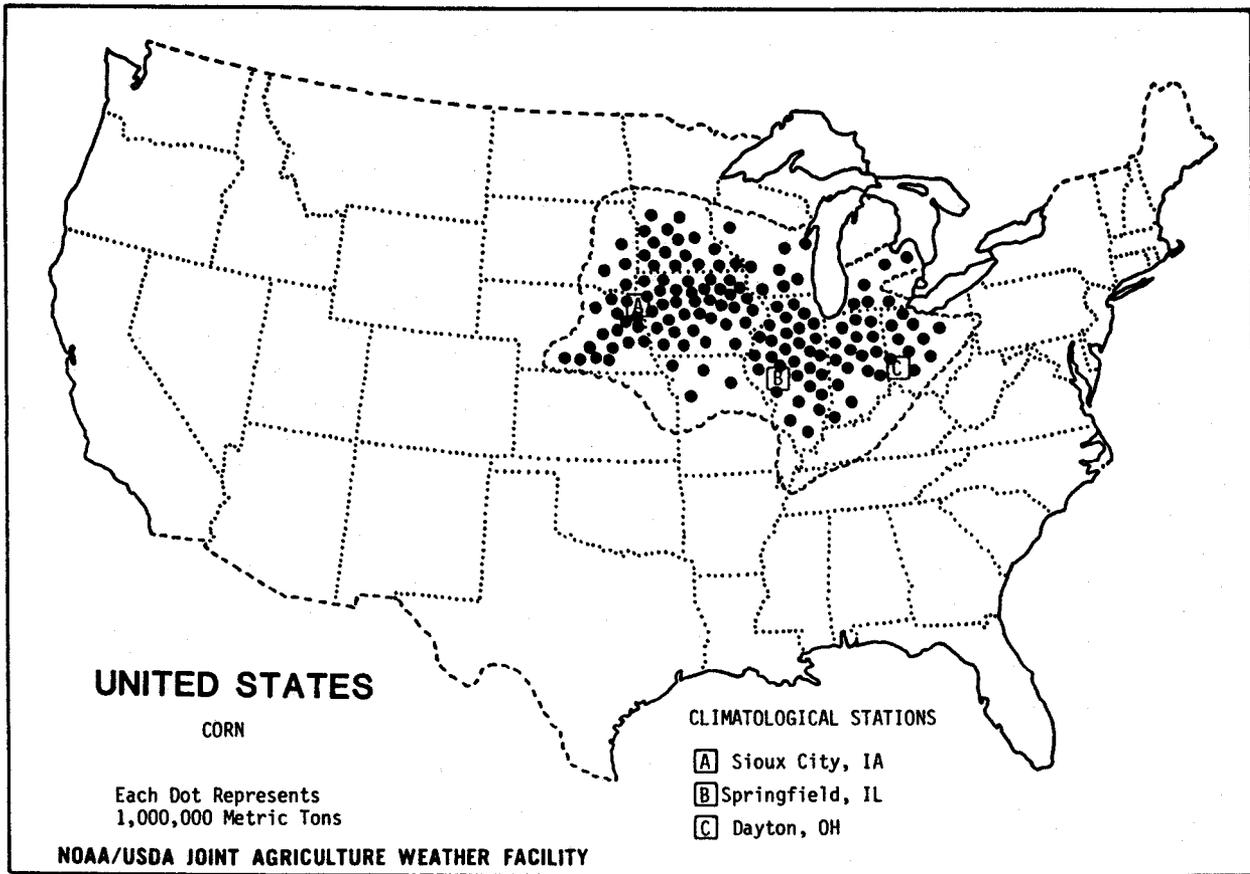












National Weather Data for Selected Cities

Weather Data for the Week Ending June 25, 1988

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	97	68	100	64	82	4	.1	-.8	.1	.3	9	15.9	55	94	34	7	0	2	0
MOBILE	90	71	94	66	80	-1	.5	-.8	.4	2.3	55	25.7	83	95	49	5	0	3	0
MONTGOMERY	97	68	100	64	83	2	T	-.8	T	.6	20	26.3	102	94	34	7	0	0	0
AK ANCHORAGE	63	49	70	39	56	0	T	-.3	T	.7	84	3.0	70	82	48	0	0	0	0
BARROW	38	32	42	30	35	-1	.1	0	.1	.1	46	.4	31	98	77	0	0	0	0
FAIRBANKS	70	53	76	46	61	0	.3	-.1	.2	1.6	149	3.9	117	83	41	0	0	3	0
JUNEAU	61	46	72	41	54	0	.4	-.4	.3	1.8	72	21.1	108	94	52	0	0	3	0
KODIAK	58	48	61	46	53	2	.2	-.7	.1	1.6	46	36.3	133	91	64	0	0	4	0
NOME	49	39	57	36	44	-3	.1	0	.1	1.4	150	5.3	137	89	64	0	0	0	0
AZ PHOENIX	112	86	116	80	99	10	T	0	T	T	18	2.4	94	29	11	7	0	1	0
PRESCOTT	94	64	99	60	79	10	T	-.2	T	T	26	4.4	70	50	16	7	0	1	0
TUCSON	108	74	114	70	91	6	.1	0	.1	.2	133	2.7	99	49	13	7	0	2	0
YUMA	107	77	118	72	92	2	T	0	T	.1	1.1	124	52	18	7	0	0	0	0
AR FORT SMITH	100	71	102	68	85	6	T	-.8	T	1.6	52	17.2	84	89	34	7	0	1	0
LITTLE ROCK	96	72	99	68	84	4	T	-.8	T	1.0	33	16.3	62	71	38	7	0	1	0
CA BAKERSFIELD	95	68	104	60	81	1	T	0	T	3.0	33	3.0	79	65	28	6	0	1	0
BURBANK	62	54	64	52	58	3	0	0	0	2.4	492	16.0	72	95	79	0	0	1	0
FRESNO	95	69	105	63	82	5	T	0	T	T	67	5.5	79	67	31	7	0	3	0
LOS ANGELES	70	59	73	57	65	-2	T	0	T	T	0	4.6	58	88	60	0	0	0	0
REDDING	101	71	109	64	86	7	T	-.2	T	1.3	183	16.5	67	67	23	7	0	0	0
SACRAMENTO	98	61	105	57	79	7	T	0	T	.1	120	6.8	64	78	29	7	0	0	0
SAN DIEGO	70	61	72	58	66	-1	0	0	0	0	0	6.7	104	84	63	0	0	0	0
SAN FRANCISCO	74	56	78	55	65	3	0	0	0	.6	600	7.3	59	85	49	0	0	0	0
CO DENVER	94	62	99	61	78	9	.3	0	.3	1.3	100	8.5	107	68	23	6	0	2	0
GRAND JUNCTION	99	66	101	64	83	8	T	-.1	T	.1	20	4.2	113	48	15	7	0	1	0
PUEBLO	98	61	100	59	80	6	.2	-.1	.1	.5	57	4.9	106	71	18	7	0	3	0
CT BRIDGEPORT	83	63	93	55	73	3	T	-.7	T	.6	24	13.5	68	82	41	2	0	1	0
HARTFORD	85	58	93	46	72	1	.1	-.7	.1	.7	23	15.9	75	84	34	2	0	2	0
DC WASHINGTON	91	70	101	61	81	4	T	-.8	T	1.0	35	15.4	85	89	42	4	0	0	0
FL APALACHICOLA	89	72	95	69	81	0	T	-.3	T	2.8	71	23.9	111	96	59	2	0	0	0
DAYTONA BEACH	88	71	94	67	80	0	.1	-.5	.1	2.4	44	17.4	89	99	61	3	0	1	0
JACKSONVILLE	93	71	99	66	82	1	.1	-.3	.1	2.8	58	22.6	102	93	48	4	0	1	0
KEY WEST	88	78	89	75	83	-1	.5	-.7	.2	3.2	74	18.8	133	91	69	0	0	4	0
MIAMI	88	76	92	71	82	1	1.1	-.1	.8	9.4	121	19.3	82	90	60	2	0	4	1
ORLANDO	92	73	95	71	83	1	T	-.8	T	3.5	61	19.0	92	95	49	4	0	2	0
TALLAHASSEE	95	69	101	67	82	2	.4	-.2	.2	1.3	25	23.6	79	95	42	7	0	4	0
TAMPA	91	72	94	70	82	0	3.7	2.4	2.2	5.2	121	16.6	91	96	53	5	0	5	2
WEST PALM BEACH	86	75	88	74	80	-1	1.7	-.2	1.1	7.9	119	30.4	126	96	67	0	0	4	1
GA ATLANTA	95	71	99	65	82	6	.1	-.8	0	.1	5	18.4	70	82	34	7	0	2	0
AUGUSTA	95	68	100	65	82	3	T	-.9	T	3.5	110	20.9	90	98	43	6	0	0	0
MACON	98	70	101	66	84	4	T	-.9	T	.4	14	19.1	78	89	32	7	0	2	0
SAVANNAH	94	71	101	67	83	3	.8	-.6	.8	1.7	36	19.9	87	96	42	5	0	1	0
HI HILO	82	67	84	66	75	-1	.6	-.8	.4	3.9	77	57.9	90	93	62	0	0	7	0
HONOLULU	88	74	89	72	81	2	T	-.1	T	T	10	6.8	52	81	49	0	0	0	0
KAHALUI	86	72	87	70	79	2	T	-.1	T	T	0	12.2	106	85	52	0	0	0	0
LIHUE	83	74	84	73	79	1	.1	-.3	.1	.5	19.6	89	88	64	0	0	3	0	
ID BOISE	100	67	104	62	84	15	.2	.1	.2	.5	59	6.8	99	60	19	7	0	2	0
LEWISTON	91	62	95	57	77	8	.3	0	.3	.7	58	4.9	69	57	21	5	0	1	0
FOCACELLO	97	62	103	51	80	15	.1	-.2	.1	.2	24	4.3	69	66	17	7	0	2	0
IL CHICAGO	96	67	104	60	82	11	.4	-.7	.2	.4	10	8.9	55	77	32	6	0	2	0
MOLINE	97	72	104	63	84	11	.2	-.8	.2	.6	17	9.5	54	69	34	6	0	1	0
PEORIA	97	70	105	64	83	10	.1	-.9	.1	.6	18	9.4	56	75	33	7	0	1	0
QUINCY	98	71	101	67	85	10	0	-.9	0	1.4	43	7.7	43	69	31	7	0	0	0
ROCKFORD	94	68	101	63	81	10	.1	-.1	.1	.1	2	9.6	57	69	40	5	0	1	0
SPRINGFIELD	96	72	101	66	84	9	T	-.8	T	.6	20	9.9	59	70	34	7	0	0	0
IN EVANSVILLE	99	71	101	62	85	8	.2	-.6	.2	.9	32	14.1	64	82	29	7	0	1	0
FORT WAYNE	96	67	106	58	82	10	.2	-.7	.2	.8	25	12.1	70	68	27	6	0	1	0
INDIANAPOLIS	96	69	102	61	82	9	0	-.1	0	.3	10	14.0	72	65	28	6	0	0	0
SOUTH BEND	95	69	104	64	82	11	.2	-.8	.1	.3	8	11.8	67	79	30	6	0	2	0
IA DES MOINES	98	72	103	69	85	12	.2	-.7	.2	2.7	78	6.5	43	68	33	7	0	1	0
SIoux CITY	101	71	108	67	86	13	0	-.9	0	.4	13	7.2	58	70	27	7	0	0	0
WATERLOO	96	68	103	62	82	11	2.1	1.1	1.8	2.2	62	8.0	52	84	36	6	0	4	1
KS CONCORDIA	104	76	107	74	90	14	0	-.1	0	.2	6	6.0	45	57	21	7	0	0	0
DODGE CITY	101	69	106	67	85	8	T	-.7	T	.1	6	8.3	83	69	23	7	0	0	0
GOODLAND	100	68	102	65	84	12	0	-.6	0	1.8	80	10.9	133	63	18	7	0	0	0
TOPEKA	99	70	101	65	84	8	0	-.2	0	.1	3	9.4	60	80	31	7	0	0	0
WICHITA	101	71	104	68	86	8	T	-.9	T	.4	12	10.9	82	70	26	7	0	0	0
KY BOWLING GREEN	97	69	102	64	83	7	.1	-.1	.1	1.9	51	16.3	62	94	33	7	0	1	0
LEXINGTON	96	70	101	67	83	9	.1	-.1	.1	.6	18	14.9	63	71	30	7	0	1	0
LOUISVILLE	97	71	101	66	84	8	T	-.8	T	.9	30	17.6	78	69	31	7	0	0	0
LA ALEXANDRIA	91	70	94	67	81	-1	.7	-.2	.7	1.0	32	19.4	69	88	45	6	0	1	0
BATON ROUGE	89	70	93	66	80	-1	1.8	1.0	1.0	4.1	170	35.2	130	95	56	4	0	5	1
LAKE CHARLES	88	71	91	68	80	-1	2.7	1.7	2.5	5.4	159	26.2	109	99	59	4	0	4	1
NEW ORLEANS	86	71	89	67	78	-3	1.8	.7	.9	10.7	284	45.6	161	100	68	0	0	4	2

Based on 1951-80 normals

Weather Data for the Week Ending June 25, 1988

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
ME SHREVEPORT	95	68	97	63	81	0	.1	-.7	0	1.3	5	13.5	57	95	39	7	0	3	0
ME CARIBOU	77	52	91	40	64	2	.9	-.2	.5	1.3	50	11.8	79	91	38	1	0	4	1
ME PORTLAND	79	55	89	45	67	3	.7	0	.5	2.0	77	17.1	81	91	40	0	0	3	1
MD BALTIMORE	91	67	100	58	79	5	0	-.9	0	.8	27	16.5	84	95	40	4	0	0	0
MD SALISBURY	90	65	99	53	77	4	.2	-.7	.2	1.7	57	21.7	106	96	41	4	0	1	0
MA BOSTON	83	62	93	56	73	3	.4	-.3	.2	.9	38	15.2	71	86	38	2	0	3	0
MA CHATHAM	70	57	79	52	63	0	.4	-.2	.4	1.0	43	16.3	72	94	67	0	0	1	0
MI ALPENA	85	56	95	49	70	7	.5	-.2	.5	.8	32	10.3	80	84	40	3	0	3	0
MI DETROIT	92	65	104	58	78	9	.6	-.2	.6	1.0	34	7.8	53	74	28	5	0	1	1
MI FLINT	92	60	101	52	76	8	.1	-.6	.1	.6	23	7.9	57	74	31	5	0	1	0
MI GRAND RAPIDS	91	61	98	56	76	7	.1	-.8	.1	.2	7	10.0	64	82	33	5	0	1	0
MI HOUGHTON LAKE	86	59	93	47	73	8	.5	-.2	.5	.8	31	8.8	70	76	36	2	0	1	1
MI LANSING	92	60	99	54	76	8	T	-.9	T	.2	5	8.9	63	77	30	5	0	1	0
MI MARQUETTE	79	52	92	46	65	4	.1	-.8	.1	.6	18	12.1	68	87	44	1	0	2	0
MI MUSKOGON	87	63	93	58	75	8	.3	-.3	.3	.4	18	11.1	78	82	37	2	0	1	0
MI SAULT ST. MARIE	72	50	83	45	61	1	.5	-.3	.3	.5	19	11.1	80	94	50	0	0	4	0
MN ALEXANDRIA	81	67	102	61	79	12	.4	-.5	.2	.7	21	6.2	54	76	30	4	0	3	0
MN DULUTH	81	54	91	45	67	6	1.3	.4	1.2	3.8	116	11.7	93	94	46	1	0	2	1
MN INT'L FALLS	80	56	90	52	68	5	1.1	-.2	.6	3.3	110	7.0	72	91	43	1	0	3	2
MN MINNEAPOLIS	93	69	101	65	81	11	.1	-.8	.1	.2	7	6.5	54	82	34	5	0	1	0
MN ROCHESTER	90	65	99	58	77	9	1.5	-.6	.8	1.5	48	9.2	74	85	41	3	0	3	2
MS GREENWOOD	96	70	99	65	83	2	T	-.8	T	.1	2	12.9	44	86	35	7	0	0	0
MS JACKSON	96	68	99	61	82	2	.1	-.7	.1	.4	4	19.4	69	100	45	7	0	1	0
MS MERIDIAN	96	67	101	62	82	2	.2	-.7	.2	.4	14	19.8	69	97	35	7	0	1	0
MO CAPE GIRARDEAU	99	69	103	61	84	-	0	-.8	0	.2	5	14.6	63	81	29	7	0	0	0
MO COLUMBIA	100	71	103	62	86	10	0	-.8	0	T	0	12.3	66	73	29	7	0	0	0
MO KANSAS CITY	101	76	103	71	89	12	0	-.1	0	T	0	7.8	46	65	29	7	0	0	0
MO SAINT LOUIS	99	77	102	70	88	11	0	-.9	0	1.3	41	14.2	81	59	30	7	0	0	0
MO SPRINGFIELD	95	68	99	65	81	6	0	-.1	0	.7	17	18.2	93	80	34	7	0	0	0
MT BILLINGS	100	66	104	60	83	16	T	-.4	T	.2	9	5.7	64	62	18	7	0	1	0
MT GLASGOW	95	66	104	56	80	14	T	-.6	T	1.0	47	3.5	66	53	16	6	0	0	0
MT GREAT FALLS	94	63	99	54	78	14	.2	-.4	.2	1.0	42	5.0	56	58	19	5	0	1	0
MT HAVRE	92	62	98	57	77	11	T	-.5	T	.1	8	1.3	20	65	22	3	0	0	0
MT HELENA	91	58	100	52	75	13	.2	-.2	.2	.7	38	5.0	79	77	29	5	0	2	0
MT KALISPELL	87	52	92	42	69	9	T	-.5	T	.5	25	6.9	83	86	25	3	0	2	0
MT MILES CITY	100	70	105	65	85	16	T	-.6	T	.5	22	1.8	23	47	15	7	0	0	0
MT MISSOULA	91	54	95	47	72	11	.4	0	.2	1.3	82	7.4	103	83	29	5	0	3	0
NE GRAND ISLAND	101	70	107	65	86	12	T	-.8	T	1.6	51	7.3	59	73	26	7	0	1	0
NE LINCOLN	104	74	107	68	89	14	T	-.9	T	.1	3	6.5	48	63	25	7	0	1	0
NE NORFOLK	100	73	106	67	86	13	0	-.1	0	.7	18	9.6	77	65	27	7	0	0	0
NE NORTH PLATTE	101	65	106	60	83	12	T	-.8	T	.2	7	6.9	67	75	23	7	0	1	0
NE OMAHA	99	76	104	71	87	12	T	-.9	T	.1	1	8.1	56	57	38	7	0	0	0
NE SCOTTSBLUFF	97	63	102	61	80	10	.1	-.6	.1	1.4	58	10.9	129	79	22	6	0	1	0
NE VALENTINE	101	67	110	61	84	14	.1	-.6	.1	1.0	42	9.5	108	69	22	6	0	1	0
NV ELY	87	52	96	47	70	8	.1	0	.1	.6	94	4.4	90	84	26	3	0	3	0
NV LAS VEGAS	104	78	110	74	91	5	T	0	T	T	100	1.7	98	44	16	7	0	2	0
NV RENO	95	59	103	56	77	13	.6	-.5	.6	.6	211	2.2	50	72	20	6	0	2	1
NV WINNEMUCCA	97	59	106	48	78	12	.2	0	.2	.5	64	4.0	89	56	20	6	0	1	0
NH CONCORD	81	54	91	46	68	1	.4	-.3	.2	.5	20	12.1	72	93	38	1	0	3	0
NJ ATLANTIC CITY	88	60	100	47	74	3	T	-.7	T	.9	38	14.9	77	96	42	4	0	0	0
NM ALBUQUERQUE	93	66	96	61	79	2	.2	-.1	.2	.6	144	3.7	147	49	19	5	0	1	0
NM CLOVIS	93	68	96	65	80	5	.1	-.5	.1	.6	29	7.5	114	60	23	7	0	1	0
NM ROSWELL	97	65	99	64	81	1	.1	-.2	.1	.2	27	5.6	181	54	18	7	0	1	0
NY ALBANY	84	57	94	46	70	1	1.0	-.3	.9	1.2	44	13.0	78	80	35	2	0	2	1
NY BINGHAMTON	83	59	91	46	71	4	.3	-.6	.2	.9	31	14.5	85	82	36	1	0	3	0
NY BUFFALO	84	59	96	47	72	3	.6	-.1	.5	1.4	61	15.7	95	85	34	1	0	3	0
NY NEW YORK	86	67	99	62	76	3	0	-.7	0	.7	27	15.4	77	74	35	2	0	0	0
NY ROCHESTER	86	58	95	48	72	3	.8	-.1	.7	1.0	44	9.6	65	83	34	3	0	2	1
NY SYRACUSE	85	58	95	45	71	3	1.7	-.8	1.3	1.9	63	13.1	73	85	34	3	0	3	1
NC ASHEVILLE	90	61	93	56	76	4	.2	-.7	.1	.7	21	11.1	51	98	38	5	0	2	0
NC CHARLOTTE	92	70	98	66	81	5	T	-.8	T	4.4	147	16.7	75	88	42	4	0	1	0
NC GREENSBORO	89	68	97	66	79	4	.2	-.7	.1	3.0	91	15.0	73	94	49	4	0	4	0
NC HATTERAS	84	70	86	62	77	2	T	-.1	T	.5	15	20.8	88	96	63	0	0	0	0
NC NEW BERN	91	71	98	67	81	4	0	-.3	0	3.0	72	23.2	99	91	48	4	0	0	0
NC RALEIGH	90	68	98	62	79	3	.8	0	.7	2.6	85	16.3	80	95	48	4	0	4	1
NC WILMINGTON	90	70	95	65	80	2	0	-.4	0	1.6	35	24.2	105	95	50	3	0	0	0
ND BISMARCK	99	64	105	58	81	15	0	-.7	0	.4	15	3.6	45	69	19	6	0	0	0
ND FARGO	90	62	98	56	76	9	.3	-.4	.3	1.2	49	5.9	70	89	31	4	0	2	0
ND GRAND FORKS	88	59	94	51	74	8	.3	-.5	.2	1.1	45	4.1	52	89	32	4	0	2	0
ND WILLISTON	96	64	106	51	80	14	.6	-.1	.6	1.5	69	4.7	68	65	21	6	0	1	1
OH AKRON-CANTON	92	61	100	52	76	7	T	-.8	T	.4	14	11.0	63	75	27	4	0	1	0
OH CINCINNATI	95	66	102	63	81	7	.5	-.4	.3	1.1	32	18.1	88	81	34	7	0	2	0
OH CLEVELAND	91	62	104	53	77	7	.2	-.6	.1	.6	22	11.5	67	74	28	5	0	3	0
OH COLUMBUS	93	62	101	55	78	6	.4	-.6	.3	1.3	40	14.8	79	83	29	4	0	2	0

Weather Data for the Week Ending June 25, 1988

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 °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	94	66	102	56	80	7	.2	-.7	.2	1.2	39	13.2	73	64	29	6	0	1	0
TOLEDO	94	64	104	52	79	9	.1	-.7	.1	.3	9	7.3	48	71	28	5	4	0	2
YOUNGSTOWN	90	58	99	48	74	6	.1	-.7	.1	.7	23	11.8	66	84	28	4	0	1	0
OK OKLAHOMA CITY	94	72	95	70	83	4	T	-.8	T	.2	6	14.0	87	75	34	6	0	1	0
TULSA	96	74	98	73	85	6	0	-1.0	0	.6	15	13.6	70	70	30	7	0	0	0
OR ASTORIA	90	55	94	45	58	1	T	-.5	T	3.3	154	29.4	83	92	56	0	0	1	0
BURNS	92	57	96	52	75	7	.2	.1	.2	.7	130	4.4	81	72	24	5	0	1	0
MEDFORD	90	59	90	51	73	4	T	-.1	T	1.1	195	6.9	68	83	25	6	0	1	0
PENDLETON	87	59	90	51	73	4	T	-.1	T	.3	49	7.3	111	60	22	2	0	1	0
PORTLAND	80	56	86	50	68	4	0	-.3	0	2.1	169	18.4	96	83	40	0	0	1	0
SALEM	80	51	86	46	66	3	0	-.2	0	1.7	158	18.5	87	88	42	0	0	0	0
PA ALLENTOWN	87	59	93	50	73	2	.2	-.6	.1	1.8	62	19.1	93	82	41	3	0	2	0
ERIE	85	63	100	55	74	7	.8	-.2	.7	1.0	30	13.6	78	72	35	3	0	2	0
HARRISBURG	89	63	97	54	76	3	.1	-.8	.1	1.0	33	16.9	88	86	38	3	0	1	0
PHILADELPHIA	92	66	100	58	79	5	0	-.9	0	.6	17	16.2	82	89	34	5	0	0	0
PITTSBURGH	91	62	98	50	76	6	T	-.8	T	1.3	43	13.5	73	85	32	4	0	1	0
SCRANTON	85	59	93	48	72	3	.1	-.8	.1	.8	29	13.4	84	84	38	3	0	1	0
RI PROVIDENCE	82	60	93	53	71	2	.1	-.5	.1	.6	26	18.6	85	91	43	2	0	1	0
SC CHARLESTON	94	72	100	68	83	4	T	-1.6	T	1.6	29	13.6	58	97	47	5	0	0	0
COLUMBIA	97	70	102	67	84	5	T	-1.1	T	1.6	43	14.8	60	89	33	7	0	0	0
FLORENCE	95	71	101	67	83	5	T	-1.2	T	1.3	35	14.2	67	91	39	7	0	0	0
GREENVILLE	93	68	99	65	81	4	T	-1.1	T	2.1	57	16.8	63	96	43	6	0	0	0
SD ABERDEEN	97	65	108	60	81	13	0	-.7	0	.2	8	9.7	58	73	24	5	0	0	0
HURON	99	67	109	63	83	13	T	-.8	T	.8	8	8	97	76	24	5	0	0	0
RAPID CITY	99	68	106	63	84	16	.6	-.2	.3	.9	31	5.7	61	63	21	7	0	2	0
SIOUX FALLS	98	70	110	62	84	13	.1	-.8	.1	.3	11	7.3	62	72	25	5	0	1	0
TN CHATTANOOGA	98	69	101	65	83	7	.1	-.7	.1	.5	18	16.8	61	93	31	7	0	2	0
KNOXVILLE	98	66	102	63	82	6	T	-.9	T	.4	11	14.8	59	92	30	7	0	0	0
MEMPHIS	98	74	101	69	86	6	T	-.8	T	.2	7	17.4	62	74	32	7	0	0	0
NASHVILLE	99	71	102	66	85	8	.4	-.5	.4	.4	13	12.3	47	79	30	7	0	1	0
TX ABILENE	93	70	94	69	82	0	.7	.1	.7	3.1	145	9.1	83	71	29	6	0	1	1
AMARILLO	92	65	94	62	78	2	.2	-.6	.2	2.9	99	12.7	145	72	29	6	0	1	0
AUSTIN	93	71	94	69	82	-1	.2	-.4	.2	2.0	75	10.6	67	92	41	7	0	2	0
BEAUMONT	89	72	92	70	81	-1	.9	-.3	.6	4.7	119	21.8	89	95	58	5	0	4	1
BROWNSVILLE	90	72	92	70	81	-2	.9	-.3	.7	2.6	111	9.7	104	97	55	4	0	2	1
CORPUS CHRISTI	92	71	95	70	81	-2	.1	-.8	.1	1.6	50	6.0	48	96	51	7	0	1	0
DEL RIO	94	73	95	71	83	-2	1.1	-.7	1.1	1.3	92	3.3	44	70	28	7	0	1	1
EL PASO	97	67	99	62	82	-1	T	-.2	T	7	1.5	76	55	18	7	0	0	0	0
PORT WORTH	95	71	98	69	83	0	T	-.5	T	2.4	121	10.9	66	82	37	7	0	1	0
GALVESTON	86	77	87	75	82	-1	.9	0	.8	2.4	82	16.7	101	84	60	0	0	2	1
HOUSTON	93	70	94	68	81	-1	.6	-.4	.5	1.8	48	11.8	54	96	46	6	0	2	0
LUBBOCK	98	68	100	65	83	4	.3	-.3	.3	.3	13	5.4	69	66	23	7	0	1	0
MIDLAND	94	65	97	64	79	-2	T	-.3	T	.2	15	3.7	67	65	26	6	0	1	0
SAN ANGELO	93	67	97	65	80	-2	.5	.1	.3	.5	29	6.3	77	80	31	6	0	2	0
SAN ANTONIO	95	71	96	66	83	-1	1.8	1.2	1.4	5.4	210	9.2	67	91	34	7	0	2	1
VICTORIA	92	71	95	69	82	-1	.3	-.7	.3	1.5	39	5.9	35	95	47	7	0	1	0
WACO	95	70	96	67	82	-1	T	-.5	T	4.0	180	11.1	67	90	41	7	0	1	0
WICHITA FALLS	95	70	96	67	83	0	.5	-.1	.5	2.1	88	12.3	91	80	34	7	0	1	1
UT BLANDING	94	63	108	58	79	9	.4	.3	.3	.4	113	5.0	106	64	29	6	0	3	0
CEDAR CITY	91	58	97	54	74	5	.2	.1	.2	.7	186	7.9	170	87	25	4	0	3	0
SALT LAKE CITY	98	69	102	62	84	13	T	-.2	T	0	6.1	69	58	21	7	0	0	0	0
VT BURLINGTON	80	55	94	40	67	1	2.8	2.0	2.3	2.8	93	10.5	72	85	34	1	0	3	1
VA NORFOLK	89	69	99	60	79	3	.5	-.3	.3	2.2	78	19.2	95	90	48	4	0	2	0
RICHMOND	92	67	101	60	79	4	.8	0	.8	2.1	72	17.1	88	97	44	4	0	2	1
ROANOKE	88	68	95	64	78	5	T	-.8	T	3.7	132	14.0	73	90	51	3	0	1	0
WA QUILLAYUTE	65	45	77	38	55	-1	.6	0	.4	2.3	98	54.4	102	97	52	0	0	3	0
SEATTLE-TACOMA	73	54	81	51	64	2	.1	-.2	.1	1.6	134	16.3	86	88	46	0	0	1	0
SPOKANE	83	57	88	51	70	6	.1	-.2	.1	.6	56	7.9	89	67	23	0	0	1	0
YAKIMA	85	51	91	43	68	2	T	-.1	T	1.0	200	3.5	83	83	26	2	0	1	0
WV BECKLEY	86	64	89	60	75	8	1.2	.3	1.1	2.0	62	14.1	67	94	45	0	0	2	1
CHARLESTON	94	65	98	55	79	7	T	-.8	T	.9	32	12.5	61	91	35	7	0	1	0
HUNTINGTON	94	65	100	54	80	6	T	-.8	T	.7	24	13.2	65	86	32	6	0	0	0
PARKERSBURG	93	62	100	50	78	5	T	-.9	T	.8	24	10.9	57	85	31	4	0	0	0
WI GREEN BAY	91	63	98	53	77	10	.1	-.7	.1	.1	3	6.3	50	80	37	6	0	1	0
LACROSSE	94	68	102	60	81	10	.6	-.3	.4	.9	26	7.1	51	82	34	5	0	2	0
MADISON	94	65	101	55	80	11	.1	-.8	.1	.1	3	7.2	51	79	32	5	0	1	0
MILWAUKEE	92	65	101	60	79	11	.1	-.8	.1	.2	6	10.6	73	79	36	6	0	1	0
WAUSAU	89	61	93	53	75	9	.3	-.7	.2	.9	26	6.3	46	82	33	4	0	3	0
WY CASPER	98	63	102	56	80	15	T	-.2	T	.1	6	3.8	56	53	14	7	0	2	0
CHEYENNE	87	60	95	57	74	10	.5	0	.2	1.9	113	9.3	130	75	26	3	0	3	0
LANDER	96	64	99	60	80	15	.1	-.2	.1	.2	13	4.9	58	49	16	7	0	1	0
SHERIDAN	99	63	103	59	81	17	T	-.5	T	.5	24	7.1	79	63	20	7	0	0	0
PR SAN JUAN	90	76	92	74	83	1	.4	-.7	.2	1.3	33	25.5	122	92	69	5	0	3	0

National Agricultural Summary

June 20 to 26, 1988

HIGHLIGHTS: Triple-digit temperatures depleted soil moisture and stressed crops throughout most of the eastern half of the Nation. Corn, cotton, soybeans, sorghum, and spring wheat conditions continued declining. The lack of moisture may prevent some recently planted soybeans and sorghum from emerging. Soil moisture remained critically short in most areas of the Nation. Farmers were able to work nearly the entire week.

Winter wheat harvest leaped 29 percentage points ahead of the previous week to 52 percent (%) completion. Harvest neared completion in the Delta, Southeast, and Oklahoma. Spring wheat was 72% headed, 38 points ahead of normal. Spring wheat turned color in Minnesota and North Dakota. Inadequate moisture hampered corn development. Soybeans were 95% planted, 1 point ahead of average. Seeding was mostly finished except in the Delta and Southeast. Soybeans were blooming in the Corn Belt. Sorghum planting was 96% finished. Heading was underway in Louisiana. Cotton set bolls on 7% of the acreage, which was slightly behind normal. Bolls began opening in Texas. Rice was 5% headed but was limited to Louisiana and Texas. Livestock was mostly fair.

SMALL GRAINS: Winter wheat was 52% harvested, compared with 44% harvested in 1987 and 30% normally. Harvest leaped 29 points above the previous week. Harvest was underway in all major producing States except Michigan, Montana, Idaho, Washington, and Oregon. Wheat harvest was virtually finished in Arkansas, Georgia, and Oklahoma. Texas wheat harvest climbed 17 points ahead of the previous week to 63% completion. Scattered showers caused minor delays in the Plains. Hot, dry weather pushed Kansas harvest 75 points above the previous week. Eighty-five percent of the acreage was combined, 60 points ahead of normal. Harvest was finished or nearly finished except in northwestern Kansas. Nebraska wheat was 15% harvested, 7 points above average. Wheat harvest progressed rapidly in the Corn Belt, registering a 60-point gain in Illinois and climbing 20 points above the previous week in Indiana. California's wheat harvest was 50% finished but lagged 10 points behind normal.

Spring wheat was mostly poor to fair except in Idaho where condition was mostly good. Heading was 72% finished, more than doubling the average. Heading was finished in South Dakota and near completion in Minnesota. Spring wheat began turning color in Minnesota and North Dakota.

CORN: Inadequate moisture hampered corn growth and development in the 17 major producing States. Crop condition was mostly fair to poor except in the central Great Plains, where condition was fair to good. Despite early planting, corn growth was about normal in Illinois and Indiana. Corn grew well in Kansas, but heat and moisture stresses reduced condition. Silking was underway in some central and eastern counties. Nebraska's corn showed stress because of the drought.

SOYBEANS: Soybean planting was mostly finished except in the Delta and Southeast. The dry conditions hampered seeding and germination. Farmers fear that some fields may not achieve enough moisture to germinate seeds. Soybean condition continued declining and was mostly poor to fair in the Delta. Mostly fair condition existed in the central Great Plains and Corn Belt. Soybeans began blooming in the Corn Belt. Double cropped soybean planting was delayed in Kentucky.

SORGHUM: The 11 major sorghum producing States seeded 96% of their acreage, equaling 1987 but 7 points above average. Seeding neared completion in the Delta, Corn Belt, and central Great Plains. Oklahoma's sorghum was 80% seeded, trailing 10 points behind 1987 but equaling the average. Sorghum was mostly poor to fair. Moisture kept condition mostly fair in the central Great Plains. In Kansas, sorghum planting progressed well despite dry conditions, but some stands may not emerge. Sorghum began heading in Louisiana. Sorghum matured rapidly in southern Texas. Harvest was underway. Scattered fields were abandoned because of poor development.

COTTON: Cotton was mostly fair to poor in the Delta. The crop was mostly fair in the Southeast and mostly good in the Southwest. Squaring increased 13 points but still lagged 1 point behind the 38% average. Seven percent of the acreage was setting bolls just slightly behind normal. Cotton planting neared completion in Texas. Producers irrigated heavily, but hot temperatures forced bolls open at Coastal Bend. Oklahoma's cotton was 95% planted, 10 points ahead of normal. Cool nights slowed cotton development in Mississippi. In Arizona, warm weather promoted cotton development. Bolls set rapidly in western and central areas.

OTHER CROPS: Rice was 5% headed, equaling the average. Heading was limited to Louisiana and Texas.

Peanuts were pegging and blooming in Alabama and Georgia. Plants were in critical need of moisture in Georgia. Peanut planting continued in Texas. Growth was good at Cross-Timbers, but heavy irrigation was necessary.

Flue-cured tobacco was mostly fair to good. Burley tobacco was fair to poor.

FRUITS AND NUTS: Florida's citrus trees were good. Irrigation continued but more rain is needed. Valencia harvest slowed with a few unharvested blocks remaining. Fresno table grapes, freestone peaches, plums, nectarines, Thompson and flame seedless grapes, and nectarines were harvested in California. Desert grapefruit picking neared completion. Navel oranges were treated for red scale. Valencia oranges and grapefruit were harvested in central Arizona. Citrus harvest neared completion in western areas.

VEGETABLES: Northern and western Florida's vegetable producing areas were dry. Scattered showers provided moisture in other areas. Vegetable harvest consisted mostly of water-melons and sweet corn. Fewer peppers, cucumbers, tomatoes, celery, and eggplant were available. Vegetable harvest continued in Texas. Tomato and pepper harvests neared completion in the Rio Grande Valley. Sweetpotatoes need rain badly in east Texas. California vegetable harvest consisted mostly of broccoli, cauliflower, carrots, celery, lettuce, and strawberries. Fresh market tomato volume increased. Sweet corn was harvested in California's Delta.

PASTURES AND LIVESTOCK: Pastures were mostly poor to very poor. Farmers culled herds as pastures and hay supplies declined. Heat stressed cattle, hogs, and poultry in Iowa resulting in some heavy losses. Nebraska's livestock experienced heat stress and some death loss. Livestock was mostly fair.

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall totals mostly under 0.25 in.; 1.00 to 3.00 in. local areas. Temperatures averaged 3 to 7° above normal.

Days suitable for fieldwork 6.7. Soil moisture 100% short. Scattered local showers benefited some areas; drought conditions continued elsewhere. Corn 65% silked, 69% 1987, 62% avg.; 50% very poor, 38% poor, 12% fair. Sorghum 84% planted, 86% 1987, 85% avg.; 15% very poor, 40% poor, 45% fair. Cotton 72% squaring, 73% 1987, 58% avg.; 8% setting bolls, 11% 1987, 6% avg.; 5% very poor, 30% poor, 65% fair. Soybeans 79% planted, 87% 1987, 86% avg.; 11% very poor, 50% poor, 39% fair. Peanuts 34% pegging, 42% 1987, 27% avg.; 23% poor, 62% fair, 15% good. Wheat 93% harvested, 82% 1987, 79% avg. Livestock mostly fair; pastures mostly poor to very poor. Pasture feed supplies 100% short; stored feed 94% short, 6% adequate. Primary activities: Harvesting wheat, hay, commercial fruits, vegetables; controlling weeds, insects in row crops, fruits; applying fungicides to peanuts; planting soybeans, sorghum; building, managing fishponds; providing supplemental feed, general care of livestock, poultry.

ALASKA: Middle, upper Railbelt rainfall slowed or in many cases delayed harvest of new mown hay. Temperature lows ranged 3° below normal to 8° above normal. Highs ranged 7° below normal to 4° warmer than normal. Seasonal precipitation totals ranged 0.27 in. drier than normal to 3.86 in. wetter than normal.

Days suitable for fieldwork 4.0. Topsoil moisture supplies 22% short, 69% adequate, 9% surplus. Subsoil moisture supplies 7% short, 88% adequate, 5% surplus. Crop growth mostly moderate to rapid. Barley for grain 11% fair, 80% good, 9% excellent; heights averaged 8 in., 7 in. 1987. Nearly 35% barley reached boot stage. Commercial potato heights 6 in. Pastures, ranges mostly good.

ARIZONA: Intense heat wave early week. High temperature 116° Phoenix 22nd. Thunderstorm activity isolated. Considerable cloudiness, lower temperatures 24th. Thunderstorms, northeast third 25th, clear skies, west. Precipitation amounts 0.25 to 1.25 in., Mogollon Rim, White Mountains; none to very little elsewhere. Average temperatures 2 to 11° above normal.

Warm weather promoted cotton progress; bolls setting rapidly, west; central. Limited spraying for pink boll worms, west, central. Irrigation, cultivation continued. Alfalfa harvest progressed; crop good to excellent. Fourth, 5th cutting cycle, west, central. Excellent curing conditions. Weeds, insects, diseases light to moderate. Wheat, barley harvest neared completion, 91% harvested. Watermelon, honeydew, cantaloup harvest, central, west. Mixed melons harvested central. Citrus harvest neared completion west. Valencia oranges, grapefruit harvested central. Grape harvest strong central, west. Assorted vegetables harvested central. Table potato harvest neared completion. Dry onion harvest complete central; continued east.

ARKANSAS: Hot, dry weather continued. Crops suffering severely due to drought. Isolated showers latter part of week, mainly southwest. Temperatures averaged well above normal. Temperature extremes 56°, 105°. Rainfall totals none to 0.95 in.

Days suitable for fieldwork 7.0. Soil moisture supplies 100% short. Irrigation widespread, some

pumps running continuously. Soybeans 64% emerged, 87% 1987, 77% avg. Sorghum 97% emerged, 98% 1987. Corn tasseling; 20% poor, 36% fair, 44% good. Wheat mostly harvested, isolated fields remained, yields good. Oat harvest virtually complete. Apple size small. Peach, tomato, blueberry harvest continued, dry weather limiting size. Non-irrigated grapes poor. Hay yields reduced. Pastures almost brown, providing below average feed. Livestock fair.

CALIFORNIA: Low pressure off south central coast much of week pushed moisture north over portions central, resulting in showers. Temperatures much above normal, much of State; Huntington Lake, Blue Canyon 12° above normal. Only southern coast below normal temperatures.

Warm, open weather, continued rapid progress field activities, accelerated crop progress. Small grain harvest full swing. Rice progress good, fertilization, weed control active. Cotton lygus treatments. Dry edible bean seeding active. Sugarbeet harvest normal. Seeding, hand weeding, thinning new crop active. Corn irrigation, weeding active. Safflower bloom continued. Sunflowers budding. Alfalfa harvest normal. Some small grain, native, tame grasses cut for hay. Irrigation, weed control in all crops. Patterson apricots, figs harvested. Fresno table grapes, freestone peaches, plums, nectarines harvested. Vineyards treated for pests. Thompson, flame seedless, nectarine harvest continued. Freestone peach, plum harvests active. Desert grapefruit picking nearly completed. Avocado, valencia orange harvest ongoing. Navel oranges treated for red scale. Broccoli fairly heavy Salinas-Watsonville, Santa Maria good quality. Cauliflower moderate Salinas-Watsonville, Santa Maria good quality. Carrot digging moderate Salinas-Watsonville, active Westside, desert. Celery fairly light Salinas-Watsonville, Santa Maria good quality. Sweet corn harvest active Delta. Lettuce fairly heavy Salinas-Watsonville variable quality; moderate Santa Maria good quality. Melons good quality progressing well San Joaquin Valley, desert. Dry onion digging active Westside, desert. Fall potato fields Tulelake-Butte Valley up, looking good. Strawberry fairly heavy Salinas-Watsonville, fairly light Santa Maria, variable quality. Picking nearly completed, all berries Sacramento Valley; continued desert. Fresh market tomato harvest increased volume statewide. Processing harvest continued desert. Livestock fair to good statewide. Rangeland pasture conditions dry San Joaquin, Sacramento Valley areas, good condition northern counties due to cooler temperatures more precipitation. Supplemental feeding increased moderately central valley areas. Water supplies adequate northern counties, low most other areas.

COLORADO: Daily showers 0.10 to 0.30 in. precipitation. Average temperature 7 to 9° above normal.

Days suitable for fieldwork 6.1. Soil moisture 25% very short, 63% short, 12% adequate. Corn emergence, bean planting complete. Sorghum 87% planted. Livestock good to excellent, pastures fair to good.

FLORIDA: Continued mostly dry north until scattered summer thunderstorms 26th. Near normal summertime rainy season scattered thunderstorm activity elsewhere throughout week. Rainfall amounts

averaged 1.00 to 2.00 in. central, south to less than 0.33 in. north. Near normal summer heat central, south but temperatures averaged 1 to 3° above normal north where nearly 100° maximums occurred 24th to 26th.

Soil moisture short Panhandle, northern, southern Peninsula; adequate lower Peninsula. Soybean planting delay continued by lack of moisture. Haymaking progressed where growth permitted. Dryland crops Panhandle, northern Peninsula under severe moisture stress. Tobacco harvest active. Sugarcane made good progress. Pastures within many northern counties range from very poor to good or better, depending on amount of rain from scattered, spotty showers. Panhandle pastures averaged mostly very poor; northern Peninsula, central east coast poor to fair. Elsewhere, generally good to excellent. Hay feeding continued drier northern areas with supplies short or depleted some sections. Cattle condition declined drier northern areas poor to mostly fair with few herds good. Southern Peninsula herds mostly good to excellent. Citrus trees good. Some rain, more needed; irrigation continued. New crop fruit progressed well. Valencia orange harvest slowed as few unharvested blocks remained. Caretakers very busy with summer care activities. Summertime weather vegetable producing areas. Dry north, west; other areas scattered thunderstorms. Good volume watermelons, sweet corn. Lesser volume peppers, cucumbers, tomatoes, celery, eggplant. Hastings potato harvest complete.

GEORGIA: Very hot week. Temperatures 3 to 8° above normal. Lows mostly mid 60s first half, 70s last half of week. Extreme highs 100° or more 1 to 3 days except northeast. Rain 1 to 3 days all sections, heavier amounts only local areas. Rainfall mostly under 0.33 in. Isolated areas mostly 1.00 to 3.00 in.

Soil moisture 74% very short, 25% short, 1% adequate. Some corn lost. Sorghum condition declining, poor to fair, planting stopped. Peanuts 8% poor, 62% fair, 30% good, critical need of moisture. Soybeans planting at standstill. Tobacco 9% poor, 76% fair, 15% good. Watermelon condition declining. Wheat, other small grains yields excellent. Apple conditions improved. Peaches 2% very poor, 10% poor, 29% fair, 59% good. Pastures, hay declining daily, mostly poor. Cattle fair. Hogs fair to good.

HAWAII: Sunny, warm days. Rainfall light, increased amounts over weekend. Rainfall none to 1.70 in. Trade winds 10 to 20 mph.

Days suitable for fieldwork 7.0. Irrigation heavy. Spraying heavy to control insects. Occasional gusty winds hampered pesticide spraying. Chinese cabbage production moderate. Head cabbage output moderate to heavy, quality good. Head lettuce supplies light. Cucumber production to increase. Papaya production steady. Watermelon production heavy, peak expected for July 4th weekend.

IDAHO: Temperatures very warm, averaging 17° above normal. Precipitation below normal; few thundershowers occurred.

Days suitable for fieldwork 7.0. Soil moisture 17% very short, 43% short, 40% adequate. Irrigation water supplies fair, good. Potatoes 95% emerged, rapidly growing. Winter wheat good; 82% headed, 85% 1987, 64% avg. Spring wheat good; 34% headed, 51% 1987. Spring barley 40% headed, 51% 1987. First cut alfalfa 72% harvested, 83% avg. Dry bean planting nearly finished, almost 90% emerged. Sugarbeet thinning wrapping up. Cherries 39% harvested. Livestock good.

ILLINOIS: Temperature highs averaged 6 to 11° above normal central, 8 to 12° above normal elsewhere. Lows averaged 2 to 7° above normal. Precipitation

averaged 0.25 in. or less parts of north, 2.00 in. parts of Chicago, none elsewhere.

Days suitable for fieldwork 7.0. Soil moisture 100% short. Corn height 40 in., 54 in. 1987, 37 in. avg. Most advanced 53 in., 72 in. 1987, 53 in. avg. Soybeans 10% blooming, 34% 1987, 11% avg. Wheat 98% ripe, 96% 1987, 60% avg. Oats 84% filled, 89% 1987, 73% avg.; 43% turning yellow, 61% 1987, 33% avg.; 10% ripe, 22% 1987, 8% avg.; 3% very poor, 32% poor, 54% fair, 11% good. Alfalfa 2nd crop cut 40%, 39% 1987, 21% avg.; 5% very poor, 35% poor, 52% fair, 8% good. Red clover cut 91%, 94% 1987, 85% avg.; 5% very poor, 45% poor, 42% fair, 8% good. Pasture 33% very poor, 53% poor, 14% fair.

INDIANA: Temperatures 7 to 12° above normal central, north; 10° above normal south. Lows 70 to lower 60s, highs low 90s to 106°. Precipitation minimal. Totals 0.10 to 0.40 in. north, none to 0.10 in. elsewhere.

Days suitable for fieldwork 6.9. Topsoil moisture 100% short. Subsoil moisture 98% short, 2% adequate. Corn, soybeans condition declined. Corn height 29 in., 53 in. 1987, 32 in. avg. Soybeans height 8 in., 14 in. 1987, 8 in. avg. Wheat 75% ripe, 75% 1987, 45% avg. Hay poor. Pastures 59% very poor, 39% poor, 2% fair. Hot, dry weather continued to stress crops.

IOWA: Very hot. Temperatures 7 to 14° above normal; extremes 50° to 108°. Precipitation none to 2.10 in. north, none to 0.30 in. south.

Days suitable for fieldwork 6.7. Topsoil moisture 96% short, 4% adequate; subsoil moisture 93% short, 7% adequate. Oats 8% very poor, 55% poor, 31% fair, 6% good. Oats 98% headed, 100% 1987, 75% avg. Oats 50% turning color, 56% 1987, 22% avg. Winter wheat mostly fair to poor. Hay 25% very poor, 46% poor, 25% fair, 4% good. Second crop alfalfa 10% harvested, 8% 1987, 5% avg. First crop clover 92% harvested, 85% 1987, 67% avg. Corn height 36 in. Tallest corn 48 in. Soybeans 15% blooming, 8% 1987, 2% avg. Soybean 90% cultivated 1st time, 81% 1987, 56% avg. Heat stress on cattle, hogs, poultry. Some heavy losses. Pastures 59% very poor, 34% poor, 6% fair, 1% good.

KANSAS: Temperatures averaged upper 80s, 8 to 14° above normal. Precipitation scarce, light, west central 0.25 in.; northeast 0.12 in.; none elsewhere.

Days suitable for fieldwork 6.5. Topsoil moisture 96% short, 4% adequate. Subsoil moisture 76% short, 24% adequate. Hot dry weather ideal for wheat harvest, hay operations but deplete moisture supplies, slow corn, sorghum, soybean growth. Wheat harvest tremendous progress, complete several southern, central areas neared completion elsewhere except northwest. Corn good growth but heat moisture stress reducing condition. Silking started some central, eastern counties. Sorghum, soybean planting good progress under dry conditions, some stands may not emerge. Chinch bug populations in sorghum serious, scattered central, eastern counties. Soybeans some fields started to bloom.

KENTUCKY: Hot dry weather continued. Highs 10° above normal. Several areas exceeding 100°. Nighttime lows above normal. Over half State without rain. Scattered showers brought rainfall from 0.10 to 0.75 in. to about 20% of State, isolated thundershowers over 1.00 in. few locations.

Days suitable for fieldwork 5.9. Soil moisture 93% very short, 7% short. Corn poor to fair, with continued heavy stress from hot, dry conditions. Corn 4% silked. Soybean producers delaying planting of some double crop beans. Soybeans

height 5 in. some fields beginning to bloom. Unirrigated tobacco continued to worsen; 16% very poor, 25% poor, 53% fair, 6% good; 73% set burley under 12 in., 24% 12 to 24 in., 3% over 24 in. Wheat 55% harvested. Excellent yields test weights. Second cutting hay 49%. Pastures 69% very poor, 25% poor, 6% fair.

LOUISIANA: Temperature 3° below to 1° above normal. Temperature extremes 62°; 97°. Rainfall averaged 0.19 to 2.54 in.

Days suitable for fieldwork 6.2. Soil moisture 49% very short, 38% short, 13% adequate. Corn poor to fair; 73% silked, 23% dough stage, 3% mature. Rice 15% headed. Sorghum 94% emerged, 4% headed. Soybeans 63% emerged. Sweetpotatoes poor to fair; 81% planted, well behind average. Winter wheat harvest complete. Hay 1st cutting 83%, poor early growth. Peaches fair to good; 38% harvested. Sugarcane fair to good. Livestock, vegetables, pecans fair. Pastures poor. Main activities: Fertilizing rice; harvesting hay, vegetables, peaches, wheat; planting soybeans, sweetpotatoes.

MARYLAND & DELAWARE: Maryland: Precipitation averaged 0.05 in. Average temperature 79°, normal 72°. General temperature extremes 56°; 101°. Mountain extremes 46°; 98°.

Days suitable for fieldwork 6.9. Topsoil moisture 60% very short, 40% short. Subsoil moisture short. Corn 99% planted, 100% avg. Soybeans 75% planted, 80% avg. Tobacco 95% transplanted, 90% avg. Most crops could still recuperate to near average levels if moisture adequate. Wheat, barley, rye good. Oats 30% good, 70% fair. Wheat 95% turn color, 95% 1987. Wheat 15% harvested, 20% 1987. Barley 75% harvested, 80% avg. Apples, peaches 80% good, 20% fair. Green peas 95% harvested, 85% avg.

Delaware: Precipitation averaged 0.16 in. Average temperature 79°, normal 73°.

Days suitable for fieldwork 7.0. Topsoil moisture 60% very short, 40% short. Subsoil moisture 40% very short, 60% short. Soybeans 75% planted, 75% avg. Wheat, barley 40% fair, 60% good. Wheat 5% harvested, 20% avg. Barley 80% harvested, 90% avg. Apples, peaches good.

MICHIGAN: Temperatures ranged 2 to 9° above normal. Temperature extremes 45°; 104°. Precipitation ranged none to 0.94 in. across State.

Days suitable for fieldwork 6.5. Soil moisture 99% short, 1% adequate. Corn 10% very poor, 25% poor, 35% fair, 25% good, 5% excellent. Soybeans 100% planted, 100% 1987, 98% avg.; 12% very poor, 25% poor, 35% fair, 25% good, 3% excellent. Wheat 7% very poor, 25% poor, 45% fair, 20% good, 3% excellent; 55% turning, 70% 1987, 30% avg. Major activities: Dry bean planting, harvesting hay, applying fertilizer, cultivating corn, soybeans. Extensive irrigation helping fruit, vegetable crops survive. Strawberry harvest active. Sweet cherry harvest started. Celery harvest started.

MINNESOTA: Temperatures averaged 3 to 10° above normal. Temperature extremes 43°; 110°. Precipitation averaged 0.19 to 0.47 in. Greatest weekly total 1.18 in.

Days suitable for fieldwork 6.3. Topsoil moisture 77% very short, 22% short, 1% adequate. Spring wheat 93% heading, 82% 1987, 38% avg.; 11% turning ripe, 3% 1987, 1% avg. Oats 93% heading, 91% 1987, 52% avg.; 22% turning ripe, 7% 1987, 2% avg. Barley 95% heading, 88% 1987, 44% avg.; 7% turning ripe, 8% 1987, 2% avg. Corn height 34 in., 37 in. 1987, 21 in. avg. Soybeans 92% cultivated, 82% 1987, 49% avg.; 12 in. height, 11 in. 1987, 6 in. avg. Alfalfa 95% cut, 96% 1987, 78% avg. Soybeans 5% very poor, 17% poor, 63% fair, 13% good, 2% excellent. Field corn 12% very poor, 25% poor, 51% fair, 12% good. Spring wheat 35% very poor, 50% poor, 15% fair.

MISSISSIPPI: Hot, dry with spotty rainfall. Average temperature 81°, 2° above normal. Extremes 58°; 101°. Greatest 24-hour rainfall 2.03 in.; greatest weekly rainfall 2.84 in. Average rainfall 0.35 in., 0.52 in. below normal.

Days suitable for fieldwork 6.4, 2.6 1987, 4.2 avg. Soil moisture 85% very short, 15% short. Corn poor to fair; 44% silking, 51% 1987, 53% avg. Wheat 98% harvested, 90% 1987, 80% avg. Harvest conditions still perfect. Sorghum poor to fair; less than 5% headed. Cotton fair; 56% squaring, 80% 1987, 62% avg. Cool nights slowed development; skimpy stands. Rice fair to good; none heading, none 1987, none avg. Soybeans poor; 79% planted, 89% 1987, 85% avg. Peaches fair to good; 27% harvested, 57% 1987, 33% avg. Pasture poor to very poor. Livestock fair. Some ranchers forced to sell cattle for lack of available feed and/or pasture. Hay 45% harvested, 42% 1987, 42% avg. Harvest of watermelons, silage crops just beginning. Activities: Cultivating, controlling insects, irrigating.

MISSOURI: Temperatures 7° above normal except 3° above normal Bootheel. No precipitation except 0.10 to 1.00 in. few Ozark Counties.

Days suitable for fieldwork 6.8. Topsoil moisture 100% short. Corn 7% tasseling, 31% 1987, 8% avg. Soybeans 3% blooming, 13% 1987, none avg. Oats 30% harvested, 38% 1987, 14% avg. Alfalfa 2nd cutting 52%, 56% 1987, 29% avg. Other hay 84% harvested, 79% 1987, 67% avg. Pasture 81% very poor, 19% poor. Corn reaching critical pollination stage, ample moisture needed.

MONTANA: Temperatures 10 to 15° above normal west, 14 to 20° above normal east. Maximums over 100° common east. Dry again east, elsewhere 0.20 or 0.30 in. precipitation.

Days suitable for fieldwork 6.3. Topsoil moisture 87% short, 13% adequate. Subsoil moisture 88% short, 12% adequate. Barley 30% very poor, 30% poor, 25% fair, 14% good, 1% excellent. Oats 38% very poor, 28% poor, 22% fair, 11% good, 1% excellent. Range, pasture feed 46% very poor, 29% poor, 18% fair, 7% good. Barley 40% headed, 20% 1987, 18% avg. Oats 48% headed, 41% 1987, 18% avg. First cutting alfalfa 62% harvested, 43% 1987, 27% avg. Other hay 32% harvested, 16% 1987, 10% avg.

NEBRASKA: Hot, dry with widely scattered thunderstorms. Isolated areas of Panhandle received around 0.50 in., little or no precipitation elsewhere. Average temperatures ranged 11° above normal. Extremes 52°; 110°.

Days suitable for fieldwork 6.9. Topsoil moisture 95% short, 5% adequate. Subsoil moisture 67% short, 33% adequate. Wheat 99% turning color, 98% 1987, 75% avg. Wheat 50% ripe, 36% 1987, 18% avg. Corn showed stress due to drought. Spider mite infestation east central, northwest. Green bug, cinch bug problems in sorghum east central, southeast. Alfalfa hay 1% very poor, 24% poor, 65% fair, 9% good, 1% excellent. Alfalfa 1st cutting 99%, 99% 1987, 90% avg. Alfalfa 2nd cutting 9%, 11% 1987, 8% avg. Alfalfa weevils, low moisture delayed regrowth. Pasture, range feeds short to adequate. Pastures shortest in southeast, south central, east central. Livestock experienced heat stress, some death loss.

NEVADA: Dominate weather feature; low pressure system resulted rapid warming, increase moist, unstable air. This produced mainly afternoon, evening widely scattered showers, thunderstorms caused several forest fires. Gusty winds associated with storms resulted some damage. Precipitation amounts greater than preceding week, but still well below normal. Temperature extremes 38°; 116°.

Alfalfa hay harvest slowed by scattered showers, high winds. Vegetative growth accelerated by warmer night temperatures. Irrigation requirements increased by above normal day temperatures, gusty winds.

NEW ENGLAND: Precipitation averaged 1.00 to 2.00 in. Vermont, northern New Hampshire; 0.50 to 1.00 in. Maine, southern New Hampshire; 0.25 to 0.50 in. Rhode Island, eastern Massachusetts; less than 0.25 in. remainder. Temperature averaged from mid 60s near Canadian border to low 70s southern coast. Temperatures slightly above normal north, slightly below normal south.

Days suitable for fieldwork 6.0. Fieldwork 3.0 days ahead. Soil moisture 21% very short, 50% short, 29% adequate. Grazing availability 19% very short, 33% short, 48% adequate. Maine potatoes good; 98% emerged, 95% 1987, 91% avg. Rhode Island potatoes fair to good. Connecticut River Valley potatoes good. Maine oats good to excellent. Field corn 100% planted, 96% 1987, 97% avg.; 100% emerged, 90% 1987, 90% avg.; fair to good. Sweet corn 97% planted, 92% 1987, 94% avg.; fair to good. Shade tobacco good. Outdoor tobacco good; 90% transplanted. Apple set average to heavy; apple drop average; scab infection light. Strawberries set average to heavy; 30% harvested. Major farm activities: Haying, irrigating, harvesting strawberries, vegetables.

NEW JERSEY: Temperatures averaged above normal. Extremes 43°; 101°. Rainfall averaged 0.06 in. north, 0.08 in. central, 0.05 in. south. Heaviest 24-hour total 0.30 in. on 23rd, 24th. Estimated soil moisture percent field capacity averaged 47% north, 38% central, 29% south. Four inch soil temperatures averaged 72° north, 74° central, 75° south.

Few local showers occurred; all areas need good soaking rain. Some unirrigated crops began to show signs of stress. Irrigation in use. Summer vegetable crop harvest increased. Spring vegetable crop harvest neared completion. Strawberry harvest continued from northern areas. Blueberry picking began. Barley combining progressed well. Scattered wheat harvest began. Soybean planting continued following grain harvest. Pasture brown, needs rain.

NEW MEXICO: Temperatures above normal third consecutive week; precipitation statewide.

Days suitable for fieldwork 6.5. Soil moisture 64% short, 27% adequate, 9% surplus. Barley 100% good. Wheat 40% poor, 40% fair, 20% good; 60% harvested. Cotton 50% squaring; 10% poor, 60% fair, 30% good. Onions 100% good; harvest well underway, yields good. Cattle 50% fair, 40% good, 10% excellent. Sheep 33% fair, 50% good, 17% excellent. Range 10% very poor, 10% poor, 60% fair, 10% good, 10% excellent.

NEW YORK: Hot, dry first part of week. Cold front moved across State 22nd breaking heat, bringing thunderstorms. Locally heavy rain, especially west and north. Cool on 23rd to 24th. Very warm air mass returned on 25th, temperatures in western areas exceeded 90°. Thunderstorms, locally heavy rain developed 25th. Temperature extremes 37° Watertown, 99° New York City. Rainfall varied from 0.01 in. Poughkeepsie to 2.64 in. Massena.

Days suitable for fieldwork 6.5. Soil moisture very short to short. Corn planting virtually finished. Dry bean planting continued active. Pastures poor to fair. Hay mostly fair, need rain for regrowth. First cutting alfalfa 76%, 70% 1987, 62% avg. Clover-timothy hay 58% harvested, 52% 1987, 43% avg. Grass silage 76% harvested, 70% 1987, 63% avg. Vegetable crops need moisture, irrigation active where possible. Orange County muck crops remained good, upland crops showed stress. Early pea harvest continued. Moisture

needed for late crop peas to fill pods. Fruit crops good. Sweet cherry harvest to begin next week. Break in hot weather beneficial to fruit crops.

NORTH CAROLINA: Temperatures averaged 1 to 5° below normal statewide. Temperature extremes 53°; 101°. Precipitation ranged none to 4.78 in. across State.

Days suitable for fieldwork 6.1. Soil moisture 28% very short, 46% short, 25% adequate, 1% surplus. Pasture 10% very poor, 26% poor, 35% fair, 27% good, 2% excellent. Burley tobacco 100% transplanted, 100% 1987, 94% avg. Tobacco 5% poor, 46% fair, 43% good, 6% excellent. Peanuts 4% poor, 22% fair, 59% good, 15% excellent. Sweetpotatoes 96% transplanted, 95% 1987, 91% avg.; 29% fair, 68% good, 3% excellent. Irish potatoes 50% harvested, 40% 1987, 32% avg.; 3% very poor, 4% poor, 32% fair, 43% good, 18% excellent. Peaches 3% poor, 34% fair, 50% good, 13% excellent. Truck crops 1% very poor, 4% poor, 45% fair, 44% good, 6% excellent. Sorghum 95% planted, 88% 1987, 84% avg. Hay 95% 1st cutting, 35% 2nd cutting; 7% very poor, 19% poor, 38% fair, 33% good, 3% excellent. Peaches 26% harvested, 22% 1987, 34% avg.; 3% poor, 34% fair, 50% good, 13% excellent. Apples 3% poor, 58% fair, 39% good. Major farm activities: Cutting hay; harvesting small grains, Irish potatoes, peaches; planting soybeans, sorghum; transplanting tobacco, sweetpotatoes; fertilizing, spraying nursery crops, peanuts, tobacco, soybeans; cultivating tobacco, soybeans, truck crops, corn; tending livestock; general farm maintenance.

NORTH DAKOTA: Temperatures averaged 10 to 16° above normal. Extremes 45° southwest; 106° northwest, west central. Widely scattered rain showers north, east.

Days suitable for fieldwork 6.6. Soil moisture remained driest since records started in 1950. Topsoil 70% very short, 28% short, 2% adequate. Subsoil 55% very short, 40% short, 5% adequate. Heat stress continued to take its toll on crops. Winter wheat 38% very poor, 52% poor, 10% fair, none good; spring wheat 36%, 45%, 15%, 4%; durum 30%, 53%, 17%; oats 47%, 49%, 4%; barley 30%, 53%, 17%; corn 18%, 19%, 45%, 18%; flax 18%, 41%, 38%, 3%; soybeans none, 10%, 40%, 50%; sunflower 7%, 23%, 36%, 34%; dry edible beans none, 13%, 40%, 47%; potatoes none, 26%, 48%, 26%. All crops ahead of normal development. Winter wheat 32% turning and beyond, 26% 1987, 5% avg.; spring wheat 21% milk-dough and beyond, 8% 1987, 3% avg.; durum 11%, 3% 1987, 1% avg.; oats 24%, 13% 1987, 5% avg.; barley 28%, 18% 1987, 6% avg.; potatoes 12% bloom or beyond, 27% 1987, 6% avg.; flax 7%, 6% 1987, 3% avg.; dry edible beans 6%, none 1987, none avg.; soybeans 4%, none 1987, none avg. Stock cows to market. Pastures mostly very poor to poor.

OHIO: Average low temperatures upper 50s to 60s. Average high temperatures upper 80s to high 90s. Highest readings mid 100s. Lows 1 to 6° above normal. Highs 8 to 10° above normal. Precipitation ranged none to 0.49 in.

Days suitable for fieldwork 6.9. Soil moisture 96% short, 4% adequate. Severe stress to crops from both high temperatures, lack of precipitation. Activities included cultivating corn, soybeans; some spraying of nitrogen, baling hay, irrigating wherever possible, beginning wheat harvest. No significant insect or disease problems.

OKLAHOMA: Temperatures averaged 2° above normal southwest to 7° above normal northeast. Precipitation averaged none northeast to 1.75 in. southwest.

Days suitable for fieldwork 6.8. Topsoil moisture 85% short, 15% adequate. Subsoil moisture 60% short, 40% adequate. Wheat 95% harvested, 90%

1987, 60% avg. Harvest quality above average. Approximately 35% stubble plowed. Cotton 35% poor, 35% fair, 30% good; 95% planted, 85% 1987, 85% avg.; 5% squaring, 5% 1987, 2% avg. Weekend rain brought temporary relief. Sorghum 10% poor, 20% fair, 70% good; 80% planted, 90% 1987, 80% avg. Peanuts 90% planted, 95% 1987, 85% avg. Soybeans 80% planted, 90% 1987, 80% avg. Pastures fair to poor. Livestock good to fair. Culling continued due to pasture deterioration. Prices down dramatically from previous week.

OREGON: Temperatures above normal. East central 11° above normal. About 0.10 in. southwestern. Less than 0.10 in. Willamette Valley northeast.

Soil moisture 25% short, 65% adequate. Spring wheat green northeast. Barley harvest beginning central area. Hay slightly over mature, generally good northeast. Orchard grass fields some scald, leaf diseases northwest. Winter barley ripe in 3 weeks, mid-Willamette Valley. Brown rot fruit sprays applied to cherries, bloom over for summer type trailing berries northwest. Strawberry harvest winding down. Cranberries bloomed, berries matched to pea size Coos County. Second cover fruit sprays completed; majority fruit looks good to excellent upper Willamette Valley. Cherry harvest began. Early orchards some splitting, majority good The Dalles District. Watermelons growing well Hermiston. Potatoes in, rows closing Umatilla County. Walla Walla sweet onion harvest in progress; asparagus harvest over northeast. Broccoli being harvested, windrowed overwintered onions upper Willamette Valley. Snap beans, sweet corn, tomatoes, onions growing well. Early sweet corn near tasseling Jackson County. Livestock good to excellent. Range, pasture fair to good. Cows milking good, good growth on calves. Good grass growth in mountains for fall feeding Wheeler County.

PENNSYLVANIA: Hot, dry through week. Widely scattered light showers northern areas. Cooler temperatures began midweek due to weak cold fronts. Average temperature 74°, 7° above normal. Temperature extremes 39°, 100°. Average precipitation 0.09 in., 0.85 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 95% short, 5% adequate. Corn 99% planted, 99% 1987, 99% avg.; height 13 in., 21 in. 1987, 17 in. avg. Corn 3% very poor, 15% poor, 40% fair, 34% good, 8% excellent. Tobacco 80% transplanted, 90% 1987, 92% avg. Soybeans 89% planted, 90% 1987, 89% avg. Soybeans 4% very poor, 25% poor, 36% fair, 32% good, 3% excellent. Barley 20% heading or headed, 30% 1987; 36% turning yellow, 22% 1987; 26% ripe, 25% 1987; 18% harvested, 23% 1987. Wheat 43% heading or headed, 44% 1987; 49% turning yellow, 48% 1987; 7% ripe, 8% 1987; 1% harvested, none 1987. Wheat 5% poor, 20% fair, 59% good, 16% excellent. Oats 91% heading or headed, 81% 1987; 9% turning yellow, 18% 1987; none ripe, 1% 1987. Oats 1% very poor, 7% poor, 33% fair, 44% good, 15% excellent. First cutting alfalfa 92%, 84% 1987. Second cutting alfalfa 16%, 16% 1987. First cutting clover-timothy 82%, 71% 1987. Hay stands mostly good. Feed from pastures average to below average. Activities: Planting soybeans, vegetables; transplanting tobacco, harvesting barley, hay, haylage, strawberries, vegetables; weed control; machinery maintenance; caring for livestock.

PUERTO RICO: Island rainfall averaged 2.09 in., 0.82 in. above normal. Highest weekly total rainfall 6.71 in. Anasco, 5.77 in. Fajardo, 5.51 in. Pico Del Este-Luquillo. Highest 24-hour total 3.50 in. Fajardo. Total rainfall since January 1st 23.62 in., 1% above normal. San Juan WSFO mean temperature 83°, 1° above normal. Total rainfall 0.30 in., 0.75 in. below normal. Divisional temperature averaged 81 to 82° on coasts, 76 to 78° interior, mean station temperature ranged 67° Pico

Del Este-Luquillo to 83° Roosevelt Roads. Lowest minimum temperature 57° Arecibo Observatory. Highest maximum temperature 95° Arecibo 2E.

SOUTH CAROLINA: Temperatures rose to low 100s. Widely distributed afternoon thundershowers dropped less than 0.50 in. rainfall. Drought conditions spreading statewide.

Days suitable for fieldwork 6.1. Soil moisture 31% very short, 64% short, 5% adequate. Cotton growing slowly; 25% squaring, 73% 1987, 68% avg.; 1% setting bolls, 2% 1987, 18% avg.; 2% very poor, 3% poor, 81% fair, 14% good. Soybeans 86% planted, 85% 1987, 84% avg.; 2% very poor, 5% poor, 69% fair, 24% good. Tobacco fair to good; 46% topped, 16% 1987, 35% avg. Peanuts fair to good. Sorghum fair; 71% planted, 83% 1987, 82% avg. Wheat yields good; 92% harvested, 81% 1987, 86% avg. Oats 88% harvested, 82% 1987, 85% avg. Peaches fair to good; harvesting underway upstate. Pastures poor to fair, declining. Livestock fair to good; some moving to market due to drought.

SOUTH DAKOTA: Average temperatures 11 to 17° above normal. Extremes 42°, 112°. Rainfall spotty below normal; heaviest amounts southwest; narrow band central into northeast.

Days suitable for fieldwork 6.1. Topsoil moisture deteriorated; 45% critically short, 44% short, 11% adequate. Crop conditions worse. Drought; disease problems include red leaf in oats, cutworms in corn and milo, alfalfa weevils in hay, grasshoppers especially in west river counties, wheat streak mosaic.

TENNESSEE: Hot as drought continued. High pressure dominated most of week. Highs averaged above 100°, 10 to 15° above normal. Rainfall spotty, light.

Days suitable for fieldwork 6.3. Soil moisture 96% very short, 3% short, 1% adequate. Wheat 86% harvested, 86% 1987, 65% avg. Harvesting wheat, hauling water for cattle main activities.

TEXAS: Warm, humid southeasterly flow prevailed early week. Showers confined coastal, south as humid Gulf air boiled up into thunderstorms. East felt effects 23rd of approaching upper level disturbance, triggered thunderstorms. Disturbance spawned tropical low, moved toward Upper Coast, combination upper, surface lows brought thunderstorms statewide weekend. Temperatures varied from at to slightly below normal. Portions west, east exactly normal. Rainfall at or above 0.25 in. every district.

Crops: Small grain harvest progressed Plains without much delay. End week scattered showers held up progress slightly. Yields vary widely. Most harvesting completed end week Blacklands. Plowing stubble continued. Corn fields maturing south, Rio Grande Valley under hot temperatures. Many fields heat, moisture stressed. Central late week showers still help later fields. Some fields Blacklands signs of stress. Scattered fields cut for silage because poor development. Fields High Plains very good progress under steady irrigation. Corn 47% doughing, 40% 1987, 50% avg.; 16% dented, 5% 1987, 26% avg.; 2% mature, 6% 1987, 27% avg. Grain sorghum fields maturing rapidly southern areas. Some harvesting underway. Scattered fields abandoned because poor development. Fields central fair. Late week rain help later fields. Blackland fields beginning stress from hot temperatures. Planting continued throughout week Plains. Early planted fields up to stands, showing good growth. Sorghum 50% headed, 47% 1987, 53% avg.; 23% turning color, 19% 1987, 32% avg.; 5% mature, 2% 1987, 12% avg.; none harvested, none 1987, 1% avg. Cotton planting winding down Plains, fields emerging good stands. Weather conditions promoted good growth; more rain needed soon. Fields continued to square.

Plants continued set bolls Blacklands, central. Late week rain improved conditions. Moisture needed Coastal Bend to hold bolls. Some bolls beginning to open. Irrigation heavy Valley where bolls opening under hot temperatures. Cotton 97% planted, 99% 1987, 97% avg.; 1% open bolls, none 1987, none avg. Rice good progress Upper Coast. Flooding continued. Peanut planting continued central, Cross-Timbers. Growth good Cross-Timbers; heavy irrigation necessary. Fields central, south need additional moisture. Soybean growth good Plains, along Upper Coast. Planting continued both areas. Additional rain benefit both areas. Other Field Crops: Oats 78% harvested, 67% 1987, 73% avg. Peanuts 85% planted, 61% 1987, 76% avg. Soybeans 88% planted, 76% 1987, 81% avg. Sunflowers 50% planted, 77% 1987, 82% avg.

Commercial Vegetables: Rio Grande Valley tomato, pepper harvest winding down. Melon harvest mostly over. San Antonio-Winter Garden onion harvest winding down. Melon harvest light. East sweetpotatoes need rain badly. Harvest other vegetables continued, fair yields. Watermelon harvest continued. High Plains onion harvest begin soon. Progress good. Irrigation remained steady. Potatoes good progress. Trans-Pecos, onion, cabbage harvest continued. Cantaloup harvest to begin soon. Some minor disease problems. Peach harvest continued many areas, good quality. Pecans good progress; rain needed to hold nuts. Irrigation underway portions of State. Until now, normal June drop occurred.

Range and Pasture: Ranges continued decline, late week rain may bring some relief drier areas. Haying operations continued, yields lower than normal. Producers selling cattle, young lambs because lack of forage. Market prices fair to good.

UTAH: Precipitation moderate south central, extreme southwest; rest of State dry. Temperatures 4 to 10° above normal.

Days suitable for fieldwork 6.8. Soil moisture 85% short, 15% adequate. Winter wheat 61% turning color, 78% 1987, 37% avg.; 3% ripe, 6% 1987, 1% avg. Barley 83% headed, 79% 1987, 67% avg.; 27% turning color, 36% 1987, 21% avg. Spring wheat 72% headed, 79% 1987, 57% avg.; 11% turning, 25% 1987, 12% avg. Oats 78% booted, 83% 1987, 58% avg.; 34% headed, 78% 1987, 37% avg. Corn height 18 in., 21 in. 1987, 18 in. avg. Alfalfa 1st cutting 81%, 86% 1987, 76% avg. Range feed 22% poor, 72% fair, 6% good. Cattle 44% fair, 56% good. Sheep 53% fair, 47% good. Apples 4% poor, 10% fair, 86% good. Tart cherries 22% poor, 78% fair. Corn 52% fair, 48% good. Major farm activities: Hay harvest, cultivating corn, irrigation, summer fallow.

VIRGINIA: Hot, dry. Temperature range 55 to 101°. Thunderstorms provided some relief many areas. Precipitation range none to 1.26 in. Cooler air very end period.

Days suitable for fieldwork 6.1. Topsoil moisture 72% short, 24% adequate, 4% surplus. Some heat, moisture stress, especially southwest, overall crops good. Corn good to excellent, fair southwest. Soybeans 78% planted, 79% 1987, 80% avg. Double crop planting active. Soybeans good to excellent. Peanuts good to mostly excellent. Weed control, land plaster application active. Flue-cured tobacco good to excellent. Burley tobacco poor to fair. Cultivation, spraying, some irrigation active. Potato harvest active. Some 2nd cutting hay, regrowth somewhat slow. Barley 82% harvested, 84% 1987, 90% avg. Wheat 34% harvested, 44% 1987, 62% avg. Cool spring slowed small grain development. Pastures poor to fair southwest, good other areas.

WASHINGTON: High pressure aloft remained stationary over area most of week. Central Basin,

eastern area generally sunny, warm. Moisture circulating from west coast caused some thunderstorm activity midweek eastern area, Idaho Panhandle.

Days suitable for fieldwork 6.8. Soil moisture 55% short, 45% adequate. Crop development progressed close to normal. Winter wheat 96% headed, 100% 1987, 94% avg. Spring wheat, barley also heading rapidly, neared completion. Dryland farmers busy fertilizing, spraying summer fallow ground prior to harvest season. Dryland crop conditions remained mostly fair to good. Hay growers rushed to complete 1st crop hay cutting before it became over mature. Alfalfa 2nd crop cutting underway Columbia Basin. Warm weather encouraged fruit, vegetable development. Cherry harvest continued. Hand thinning of apples got underway. Strawberry harvest full swing. Raspberry, blueberry crops neared maturity. Asparagus cutting completed most areas Yakima, Benton Counties. Early potatoes, carrots, onions approaching maturity Franklin County. Cucumber, cabbage harvest began Yakima County. Green pea harvest underway Grant County. Lettuce, radish harvest continued King, Pierce Counties; rhubarb harvest completed. Range, pasture conditions short Grant, Whitman, Garfield Counties; adequate most other locations. Hay, roughage feed supplies mostly adequate throughout State.

WEST VIRGINIA: Average temperature 76°, 5 to 9° above normal. Extremes 50° Elkins, 103° Creston. Precipitation averaged 0.06 in., 0.70 to 0.99 in. below normal.

Days suitable for fieldwork 5.8. Soil moisture 52% very short, 48% short. Drought conditions not widespread, although rainfall needed badly. Wheat, barley, oats, corn very poor to good. Wheat 98% headed, 29% ripe. Barley 100% headed, 47% ripe. Oats 90% jointed, 72% headed, 12% ripe. Corn 98% emerged. Tobacco fair to very poor, 98% set. Apples, peaches very poor to good. Cattle, sheep good to fair. Feed supplies 30% short, 70% adequate. Farm activities: Haying, livestock care, gardening, general farm maintenance.

WISCONSIN: Temperatures averaged 76°, 7° above normal. Extremes 41°; 106°. Many record highs. Precipitation 0.10 to 0.30 in. Rain urgently needed.

Days suitable for fieldwork 6.9. Soil moisture 100% short. Crops declining. Crops 12% very poor, 45% poor, 43% fair. Corn 4% very poor, 24% poor, 66% fair, 6% good. Corn slowing; height 24 in., 33 in. 1987, 18 in. avg. Oats 89% headed, 78% 1987, 48% avg.; very short, kernels light. First crop hay 93% cut, 85% 1987, 74% avg. Second crop cutting started; some fields too short for harvest at blossom stage. Non-irrigated vegetables poor. Tobacco reset or being watered. Pastures worse.

WYOMING: Temperatures above normal. Rainfall above normal northeast. Elsewhere below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 81% short, 19% adequate. Crop development: Winter wheat none not jointed, none 1987, none avg.; 10% jointed, 5% 1987, 5% avg.; 15% boot, 15% 1987, 20% avg.; 75% headed, 80% 1987, 75% avg. Barley 5% not jointed, 10% 1987, 15% avg.; 20% jointed, 15% 1987, 20% avg.; 30% boot, 30% 1987, 25% avg.; 45% headed, 45% 1987, 40% avg. Spring wheat 10% not jointed, 5% 1987, 15% avg.; 20% jointed, 15% 1987, 30% avg.; 35% boot, 35% 1987, 30% avg.; 35% headed, 45% 1987, 25% avg. Oats 25% not jointed, 15% 1987, 20% avg.; 25% jointed, 25% 1987, 30% avg.; 35% boot, 35% 1987, 35% avg.; 15% headed, 25% 1987, 15% avg. Sugarbeets thinned 95%, 85% 1987, 85% avg. Alfalfa 1st cutting 55%, 50% 1987, 40% avg. Other hay 15%, 20% 1987, 10% avg. Crops fair to good. Livestock mostly good. Range, pastures poor to mostly fair.

Crop Progress 1/
FOR WEEK ENDING JUNE 26, 1988

	CORN % SILKING		
	1988	1987	AVG.
COLO	0	0	0
GA	77	87	82
ILL	0	NA	NA
IND	0	2	0
IOWA	0	0	0
KANS	1	10	5
KY	4	20	4
MICH	0	0	0
MINN	0	0	0
MO	1	14	4
NEBR	0	0	0
N C	17	20	30
OHIO	0	0	0
PA	0	0	0
S DAK	0	0	0
TEX	62	62	63
WIS	0	0	0
17 STATES	3	NA	NA
EXCL. STATES WITH NA	3	5	4

THESE 17 STATES PRODUCED 94%
OF THE 1987 CORN CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % PLANTED		
	1988	1987	AVG.
ARK	99	100	98
ILL	99	100	93
KANS	95	95	80
LA	100	100	99
MISS	99	100	97
MO	100	100	94
NEBR	100	100	99
OKLA	80	90	80
S DAK	96	94	91
TENN	100	100	100
TEX	96	95	94
11 STATES	96	96	89

THESE 11 STATES PRODUCED 96%
OF THE 1987 GRAIN SORGHUM CROP.

	RICE % HEADED		
	1988	1987	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	15	7	14
MISS	0	0	0
TEX	16	16	19
5 STATES	5	3	5

THESE 5 STATES PRODUCED 97%
OF THE 1987 RICE CROP.

	COTTON % SQUARING		
	1988	1987	AVG.
ALA	72	73	58
ARIZ	92	93	94
ARK	67	80	58
CALIF	35	75	55
GA	68	66	68
LA	45	68	52
MISS	56	80	62
MO	40	83	48
N MEX	50	29	29
N C	24	53	43
OKLA	5	5	2
S C	25	73	68
TENN	46	79	41
TEX	23	24	18
14 STATES	37	49	38

THESE 14 STATES PRODUCED 100%
OF THE 1987 COTTON CROP.

	COTTON % SETTING BOLLS		
	1988	1987	AVG.
ALA	8	11	6
ARIZ	25	40	47
ARK	0	0	2
CALIF	2	7	4
GA	6	14	19
LA	1	17	8
MISS	1	5	1
MO	0	18	0
N MEX	0	0	2
N C	0	5	0
OKLA	0	0	0
S C	1	2	18
TENN	0	0	0
TEX	11	11	9
14 STATES	7	10	8

THESE 14 STATES PRODUCED 100%
OF THE 1987 COTTON CROP.

	WINTER WHEAT % HARVESTED		
	1988	1987	AVG.
ARK	98	94	88
CALIF	50	70	60
COLO	1	0	0
GA	97	93	95
IDAHO	0	0	0
ILL	70	81	37
IND	25	28	15
KANS	85	55	25
MICH	0	0	0
MO	67	81	42
MONT	0	0	0
NEBR	15	10	8
N MEX	60	62	NA
N C	67	75	75
OHIO	1	1	1
OKLA	95	90	60
OREG	0	1	0
S DAK	0	0	0
TEX	63	68	69
WASH	0	0	0
20 STATES	52	45	NA

EXCL. STATES
WITH NA

THESE 20 STATES PRODUCED 91%
OF THE 1987 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	SOYBEANS % PLANTED		
	1988	1987	AVG.
ALA	84	86	85
ARK	81	94	87
GA	81	89	89
ILL	100	100	99
IND	99	100	98
IOWA	100	100	100
KANS	90	90	75
KY	84	87	78
LA	82	89	92
MICH	100	100	99
MINN	100	100	100
MISS	79	89	85
MO	94	98	85
NEBR	100	100	99
N C	82	81	83
OHIO	100	100	99
S C	86	85	84
S DAK	100	100	95
TENN	86	91	83
19 STATES	95	97	94

THESE 19 STATES PRODUCED 96%
OF THE 1987 SOYBEANS CROP.

	SPRING WHEAT % HEADED		
	1988	1987	AVG.
IDAHO	34	51	34
MINN	93	82	38
MONT	46	20	12
N DAK	67	43	22
S DAK	100	100	95
5 STATES	72	54	34

THESE 5 STATES PRODUCED 95%
OF THE 1987 SPRING WHEAT CROP.

1/ AVERAGES IN THESE SUMMARIES ARE FOR THE YEARS 1983 - 1987.

Crop Condition
FOR WEEK ENDING JUNE 26, 1988

COTTON					
STATE	VP	P	F	G	EX
ALA	5	30	65	0	0
ARIZ	0	0	0	100	0
ARK	0	33	44	23	0
CALIF	0	0	15	50	35
GA	0	6	69	25	0
LA	3	66	20	11	0
MISS	5	35	50	10	0
MO	12	50	38	0	0
N MEX	0	10	60	30	0
N C	0	10	23	58	9
OKLA	0	35	35	30	0
S C	2	3	81	14	0
TENN	4	24	65	7	0
TEX	1	9	31	52	7

SPRING WHEAT					
STATE	VP	P	F	G	EX
IDAHO	1	6	21	55	17
MINN	35	50	15	0	0
MONT	38	34	19	8	1
N DAK	36	45	15	4	0
S DAK	25	38	32	4	1

CORN					
STATE	VP	P	F	G	EX
COLO	0	0	16	77	7
GA	17	45	33	5	0
ILL	1	18	62	19	0
IND	7	48	43	2	0
IOWA	2	19	57	21	1
KANS	10	13	32	41	4
KY	17	38	42	3	0
MICH	10	25	35	25	5
MINN	12	25	51	12	0
MO	20	60	20	0	0
NEBR	0	8	62	30	0
N C	2	13	43	34	8
OHIO	11	30	43	16	0
PA	3	15	40	34	8
S DAK	0	8	45	43	4
TEX	1	15	26	47	11
WISC	4	24	66	6	0

GRAIN SORGHUM					
STATE	VP	P	F	G	EX
ARK	5	47	41	7	0
ILL	0	28	65	7	0
KANS	6	23	26	37	8
LA	19	42	37	2	0
MISS	15	50	30	5	0
MO	18	54	28	0	0
NEBR	0	8	81	10	1
OKLA	0	10	20	70	0
S DAK	1	16	52	30	1
TENN	20	39	39	2	0
TEX	3	16	32	46	3

RICE					
STATE	VP	P	F	G	EX
ARK	0	5	64	31	0
CALIF	0	5	20	70	5
LA	0	3	34	63	0
MISS	0	20	35	45	0
TEX	0	3	22	56	19

SOYBEANS					
STATE	VP	P	F	G	EX
ALA	11	50	39	0	0
ARK	12	41	41	6	0
GA	10	36	44	10	0
ILL	2	20	61	17	0
IND	6	36	56	2	0
IOWA	0	16	56	28	0
KANS	2	29	36	29	4
KY	14	43	39	4	0
LA	12	35	42	11	0
MICH	12	25	35	25	3
MINN	5	17	63	13	2
MISS	5	50	40	5	0
MO	16	47	34	3	0
NEBR	0	9	74	17	0
N C	0	14	35	47	4
OHIO	13	30	39	17	1
S C	2	5	69	24	0
S DAK	0	5	43	47	5
TENN	19	36	45	0	0

WINTER WHEAT					
STATE	VP	P	F	G	EX
ARK	0	0	8	37	55
CALIF	0	5	15	65	15
COLO	2	5	22	63	8
GA	0	6	18	50	26
IDAHO	0	4	29	48	19
ILL	0	3	41	51	5
IND	4	28	58	9	1
MICH	7	25	45	20	3
MO	1	15	57	26	1
MONT	32	32	25	10	1
NEBR	0	2	59	34	5
N MEX	0	40	40	20	0
N C	0	1	11	74	14
OHIO	5	28	49	18	0
OKLA	0	0	15	70	15
OREG	0	0	3	94	3
S DAK	15	29	46	10	0
TEX	7	15	44	34	0
WASH	0	5	40	45	10

International Weather and Crop Summary

June 19-25, 1988

HIGHLIGHTS:

UNITED STATES ... Triple-digit temperatures deplete soil moisture and stress crops throughout most of the eastern half of the Nation. Corn, soybean, sorghum, cotton, and spring wheat conditions continue declining.

USSR ... In Western USSR, winter grains are filling in the Ukraine and North Caucasus. Moderate to heavy rains cause some crop lodging in the North Caucasus. In the New Lands, early-week, hot weather in Kazakhstan is followed by a cooling trend. However, the weather continues mostly dry.

EUROPE ... Rain and harvest delays continue across northern Spain and Portugal. Light to moderate rain benefits reproductive winter grains in the north and east.

SOUTH ASIA ... Beneficial showers improve planting conditions in central and northern India, but excessive rain continues in the east. Dry pockets persist over southern India.

EASTERN ASIA ... Heavy rain and flooding continue across southeastern China. Remnants of Typhoon Thad bring heavy rain to southern Japan.

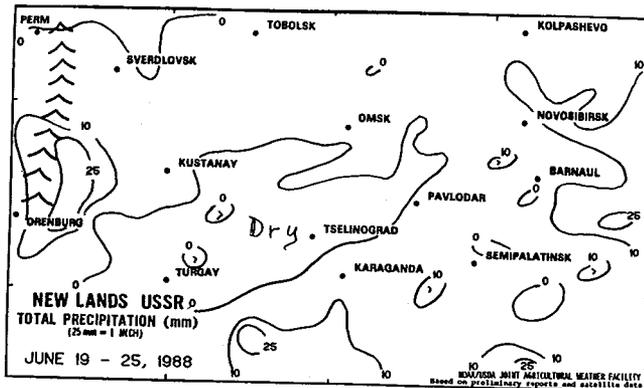
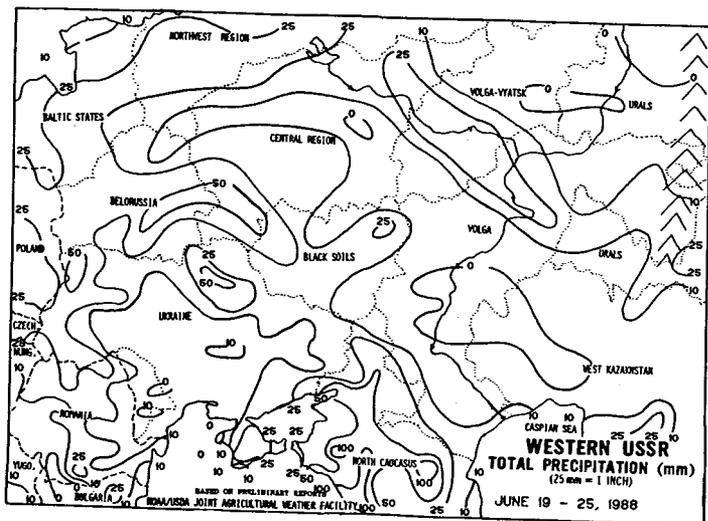
SOUTHEAST ASIA ... Light rain covers Thai corn in or nearing reproduction. Tropical showers cover the Philippines, with some local flooding of coastal areas.

SOUTH AMERICA ... Dryness persists in Argentina's wheat areas. More rain falls in southern Brazil.

AUSTRALIA ... Heavy rain continues in Western Australia. Crop areas in southern Queensland and northern New South Wales remain dry.

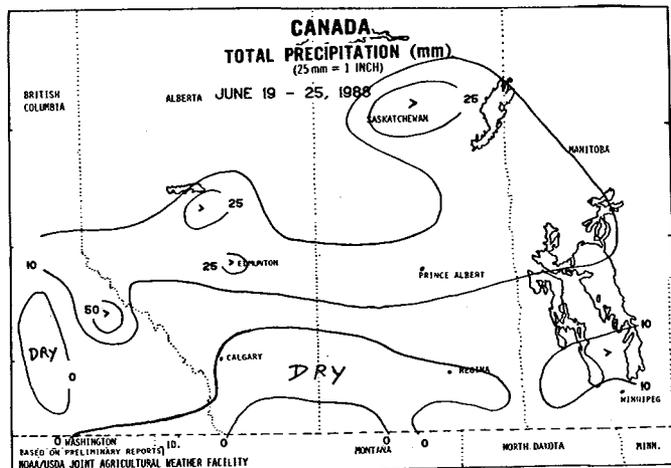
MEXICO ... Beneficial rain helps crop development in the Southern Plateau corn belt.

CANADA ... Mostly dry, warm weather covers Prairie crop regions, stressing crops in or nearing reproduction.

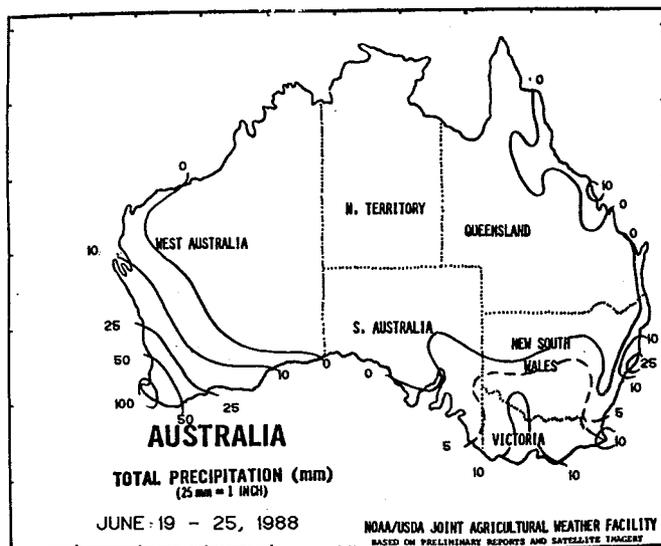


USSR ... Wet weather (25 to 50mm) over crop areas in the Baltic States, Belorussia, and the western and northern Ukraine continued to provide ample moisture for winter grains in the filling stage and spring grains in the reproductive phase of development. Although dry weather covered the central Ukraine, abundant soil moisture met the crop moisture demands of winter grains in the filling stage and summer crops in the vegetative stage. In the North Caucasus, moderate to heavy rain, accompanied by gusty winds and localized hail, caused local flooding and some crop lodging. Precipitation amounts generally ranged from 40 to 70mm with isolated locations receiving rainfall in excess of 100mm. Warm, dry weather is needed throughout the Ukraine and the North Caucasus to help minimize the potential for diseases brought on by the unseasonably cool, wet weather of the past several weeks.

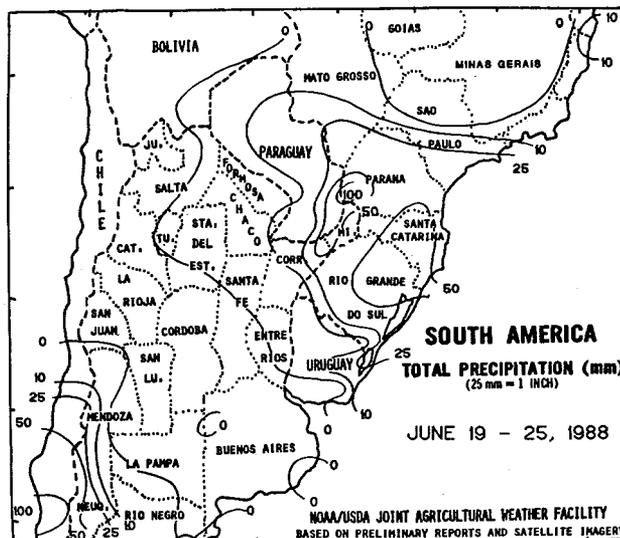
In the New Lands, unseasonably warm, dry weather continued to stress spring grains in Kazakhstan. The hottest weather occurred on June 19 when maximum temperatures ranged from 32 to 36 degrees C. A cooling trend by midweek helped to relieve heat stress, but the weather continued mostly dry. The persistent pattern of warm, dry weather in Kazakhstan is reducing soil moisture and widespread rain is needed for spring grains approaching the heading stage. In eastern Volga crop areas adjacent to the Urals, widespread showers (10-40mm) benefited spring grains in the jointing stage. In Western Siberia, light, scattered showers accompanied unseasonably cool weather. Highest temperatures during the week in Western Siberia ranged from 23 to 29 degrees C.



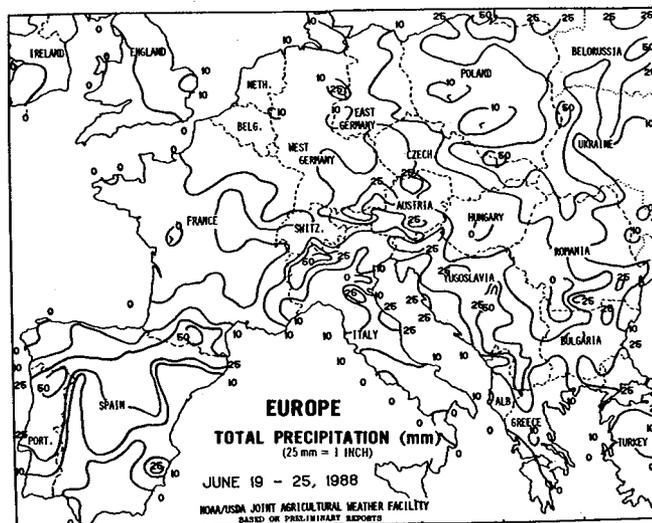
CANADA ... Mostly dry, warmer-than-normal weather covered southern Alberta, the southern half of Manitoba's grain regions, and all but northernmost grain regions of Saskatchewan. Temperatures reached the middle to upper 30's C over portions of southern Saskatchewan, stressing vegetative to reproductive crops. Light to moderate rain (10-25mm) and cooler weather benefited crops in northeastern Alberta, but the Peace River Valley was mostly dry. Lingering rain (10-16mm) early in the week brought some relief to western Manitoba. Moisture conditions, however, continued unfavorable for normal crop development over most Prairie crop regions.



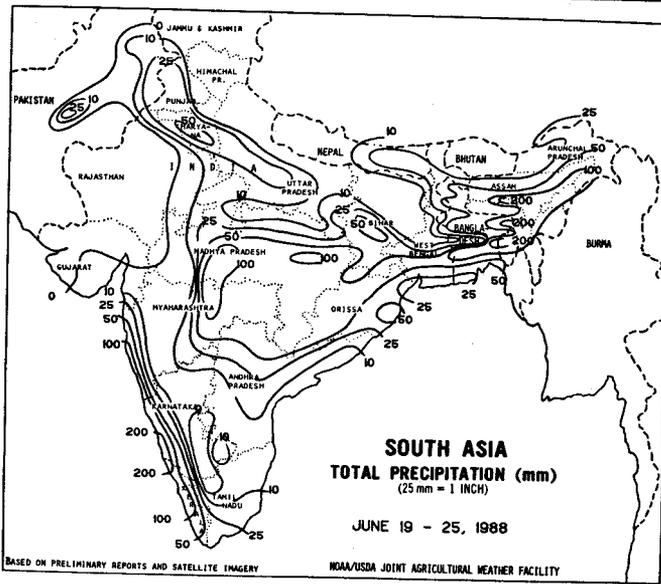
AUSTRALIA ... A frontal system brought heavy rain (greater than 25mm) to winter grain areas of Western Australia, continuing a wetter-than-normal pattern that has persisted since late April. Light rain (less than 10mm) favored establishment of winter cereals across South Australia, Victoria, and southern New South Wales. The rain caused only minor delays in planting, which is nearing completion in most crop areas. Dry weather continued over northeastern New South Wales and southeastern Queensland, where soils have become unfavorably dry for winter crop establishment. Minimum temperatures ranged from 1 to 3 degrees C across growing areas in New South Wales and southern Queensland late in the week, possibly causing scattered frost in some areas. Above-normal mean weekly temperatures continued to favor winter crops in western crop areas, while normal to above-normal temperatures covered the east.



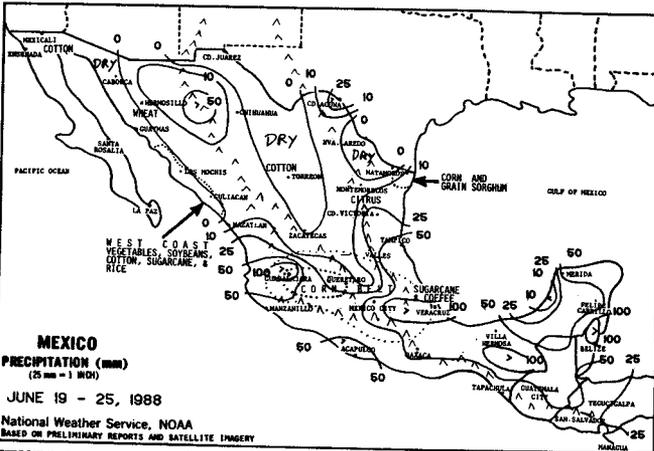
SOUTH AMERICA ... Dry weather covered Argentina's wheat areas, where topsoil moisture is deficient for wheat emergence. The previous week's light rain moistened topsoils somewhat in northwestern Buenos Aires, but no rain was reported over the entire region. In contrast, more rain fell again over wheat areas of southern Brazil, with weekly amounts averaging 40-94mm in Rio Grande do Sul and 20-39mm in Parana. Dry weather prevailed over Brazil's coffee areas of northern Sao Paulo and Minas Gerais. Weekly temperatures averaged 1-3 degrees C above normal throughout most crop areas of Argentina and south-central Brazil.



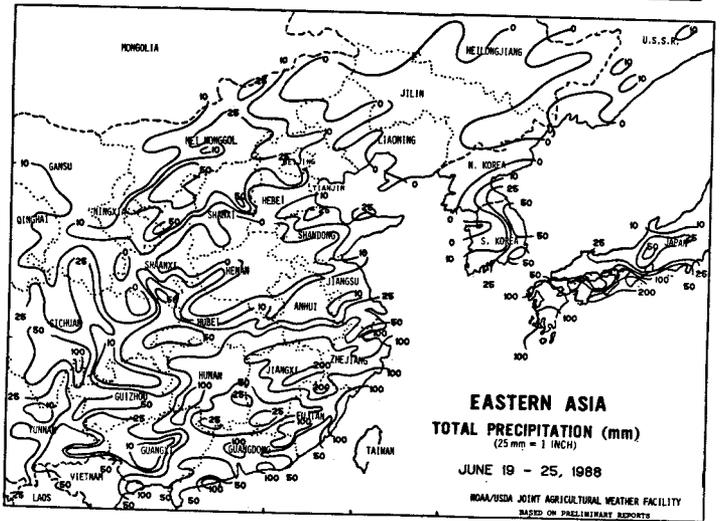
EUROPE ... An active storm track through the western Mediterranean brought moderate to heavy rain to much of the central and northern Iberian Peninsula, continuing a trend of above-normal precipitation over the past 3 weeks. The rainfall has delayed winter grain harvest and has reportedly caused lodging of mature wheat and damaged forage crops. Light to moderate rain (5-20mm) also caused scattered harvest delays across northern Italy and the Balkans, while benefiting heading to filling winter grains across northern and eastern crop areas. France and the United Kingdom remained mostly dry. Mean weekly temperatures were below normal across all but northwestern Europe, slowing crop development, but decreasing evaporative loss rates.



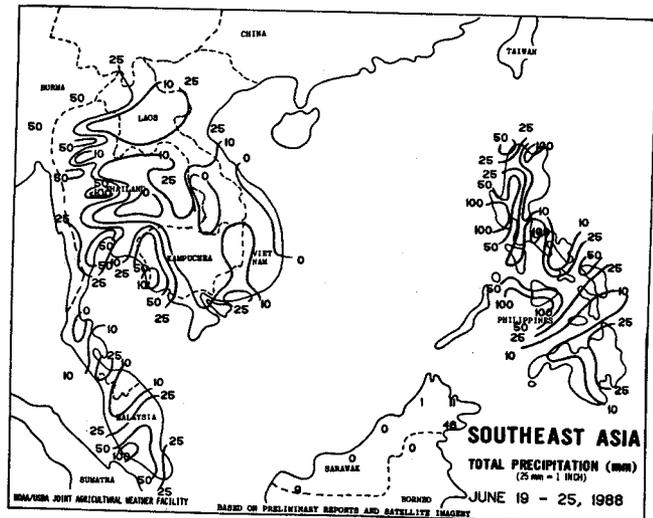
SOUTH ASIA ... Moderate to heavy showers (25-100mm or more) continued over central India and, for the first time this summer, reached portions of northern India, improving planting conditions. The area of coverage in central India, however, shifted eastward, covering eastern Madhya Pradesh, eastern Maharashtra, northern Andhra Pradesh, and areas to the east. Drier weather (less than 10mm) returned to Gujarat and western Maharashtra and continued over interior crop regions to the south. Summer crop planting is underway from western Maharashtra southward, though dry pockets have likely caused local planting delays. Heavy rain (100-200mm or more) continued along the southwest coast and from central Bangladesh eastward, maintaining unfavorably wet conditions.



MEXICO ... Widespread rain fell over most crop areas, improving topsoil moisture for crop establishment. In the Southern Plateau corn belt, locally heavy rain (50-91mm) soaked the previously dry western one-third and the eastern one-third, which received beneficial rain. Weekly rainfall generally averaged less than 15mm in central portions of the Plateau, leaving north-central areas still somewhat deficient in topsoil moisture. Elsewhere, substantial rain (15-50mm) fell in the northwestern mountains, helping the extremely low reservoirs following the long dry season. Mostly dry weather returned to the north-central range and cotton areas, and persisted along the west coast farming region. Widespread rain fell over southern Mexico.



EASTERN ASIA ... Heavy rain (greater than 25mm) continued across much of southeastern China, with totals in excess of 100mm over Zhejiang, eastern Jiangxi, and northwestern Fujian. The heavy rain caused flooding in Jiangxi and Zhejiang. Heavy rain (greater than 50mm) also fell over southern Japan late in the week due to the remnants of Typhoon Thad. In northwestern Chinese crop areas, light to moderate rain (5-15mm, with scattered amounts greater than 25mm) favored vegetative to reproductive spring grains. Crop areas in Manchuria remained mostly dry, allowing soils in Heilongjiang to dry after 2-4 weeks of above-normal rainfall. Mean weekly temperatures were below normal over eastern Chinese crop areas and normal to above normal elsewhere.



SOUTHEAST ASIA ... Light rain (less than 10mm) covered most Thai corn regions as early planted crops entered reproduction. Locally heavy showers (50-100mm or more) dotted regions of north-central and southern Thailand as light to moderate rain (10-43mm) fell elsewhere, benefiting vegetative grains. Except for western Kampuchea and northern Vietnam, minimal rain fell elsewhere in Indochina. Mostly light rain (less than 15mm) covered peninsular Thailand. In the Philippines, locally heavy rain (100mm or more) caused by the passage of Typhoon Thad likely caused local flooding of coastal regions. Light to moderate rain (10-25mm or more) covered most grain regions, benefiting vegetative grains.

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