

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

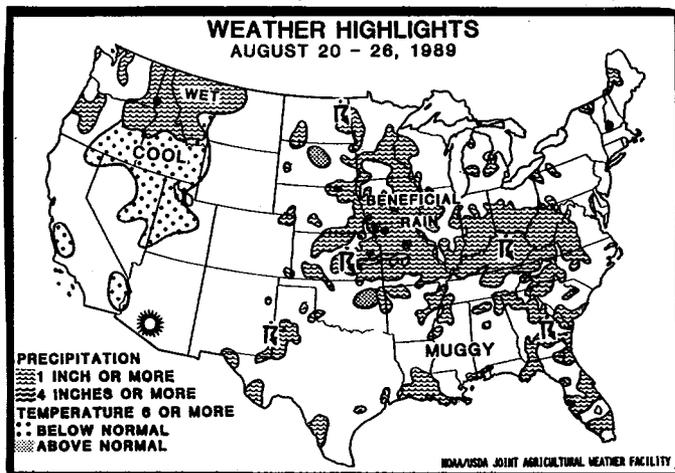
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Aug. 29, 1989

National Weather Summary

August 20-26, 1989



HIGHLIGHTS: Scattered showers and thunderstorms continued over the Rockies to the Atlantic coast, with welcome rain falling across the Corn Belt. Rain showers persisted behind a strong cold front which crossed the Northwest and moved into the Great Plains at week's end. Warm, humid air covered the Plains, Delta, Tennessee Valley, and the Southeast throughout most of the week.

SUNDAY: Thunderstorms that produced heavy rain in Kansas and Oklahoma moved into the middle Mississippi and Ohio Valleys. Showers were scattered across the eastern seaboard, Rockies, and Plains.

MONDAY: Thunderstorms remained active from the central Plains to the Appalachians and caused severe weather and heavy rain in the North Central States and west Texas. Showers were again scattered across the Atlantic Coast States, while a cold front spread rain across the Northwest.

TUESDAY: Thunderstorms were abundant from the central Plains to the Great Lakes and Appalachians. Rain showers were widely scattered over the Gulf Coast States and in the Northeast. Widespread rain covered the Pacific Northwest behind a powerful cold front.

WEDNESDAY: Numerous thunderstorms developed in the warm, humid air south of a cold front moving out of Canada and soaked much of the eastern half of the Nation. Widespread rain continued behind the strong cold front crossing the northern Rockies and Great Basin.

THURSDAY: Heavy rain fell around the southward moving front reaching from the lower Missouri Valley to the middle Atlantic coast. Thunderstorms produced severe weather and substantial rain in the northern and central Plains while remaining scattered in the humid air across the Delta and Southeast. Rain showers continued behind the cold front crossing into the northern Plains and central Rockies.

FRIDAY: Thunderstorms were again widespread south of the front which became stationary across Missouri to the Carolinas. Heavy rain fell in the middle Missouri Valley ahead of the cold front edging eastward. Showers persisted over the northern Rockies.

SATURDAY: Thunderstorms rumbled across the upper and middle Mississippi Valley in advance of the slow moving cold front. Widespread rain with locally heavy amounts covered the Southeast. Scattered showers reached from the southern Rockies into the central Plains. The northern Rockies remained wet.

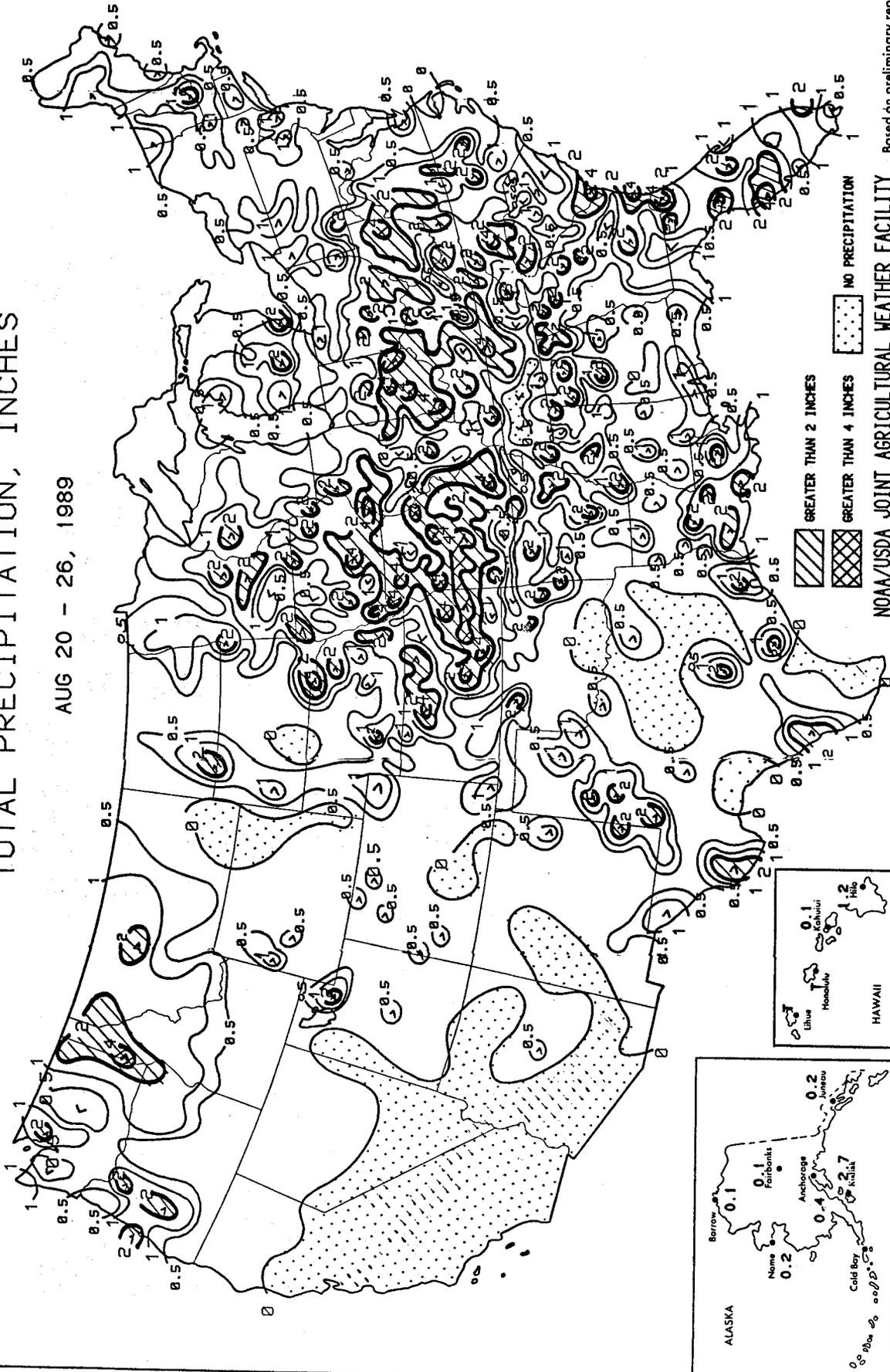
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TOTAL PRECIPITATION, INCHES

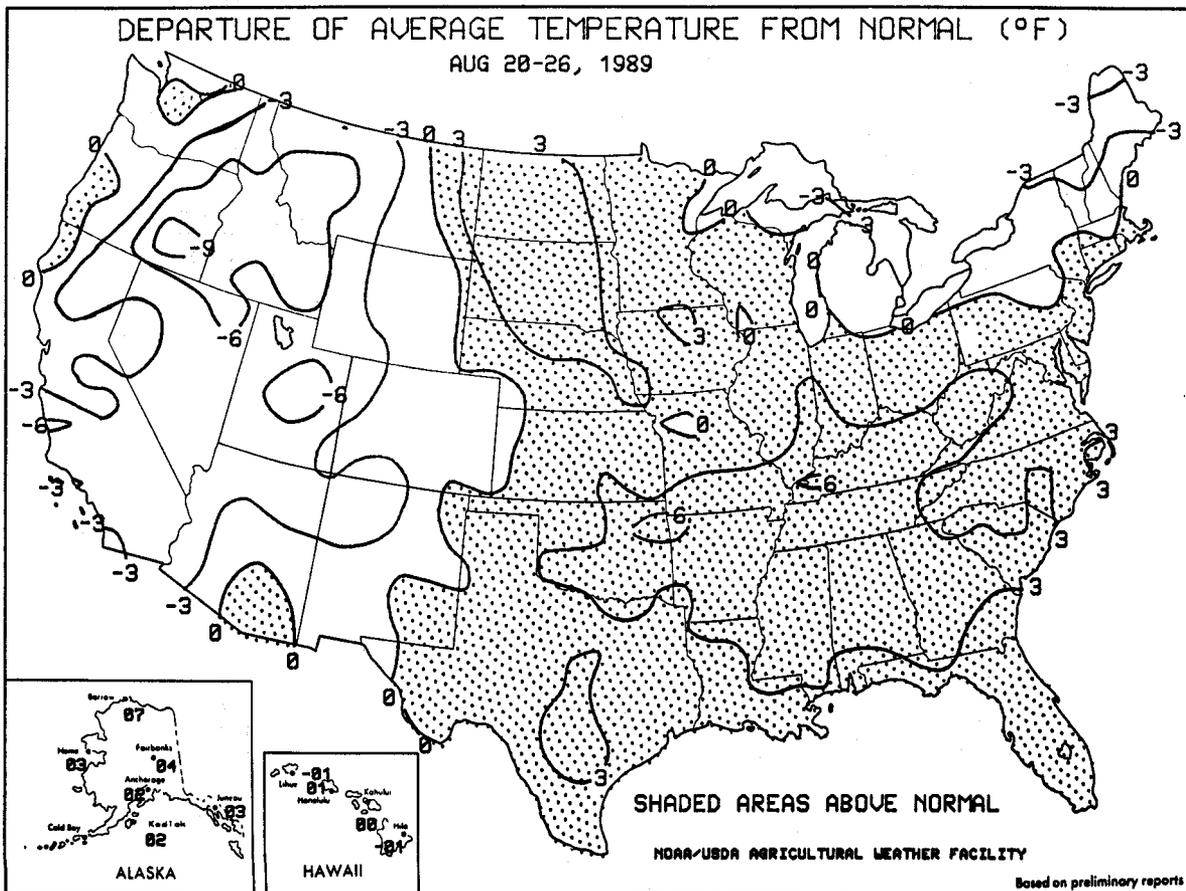
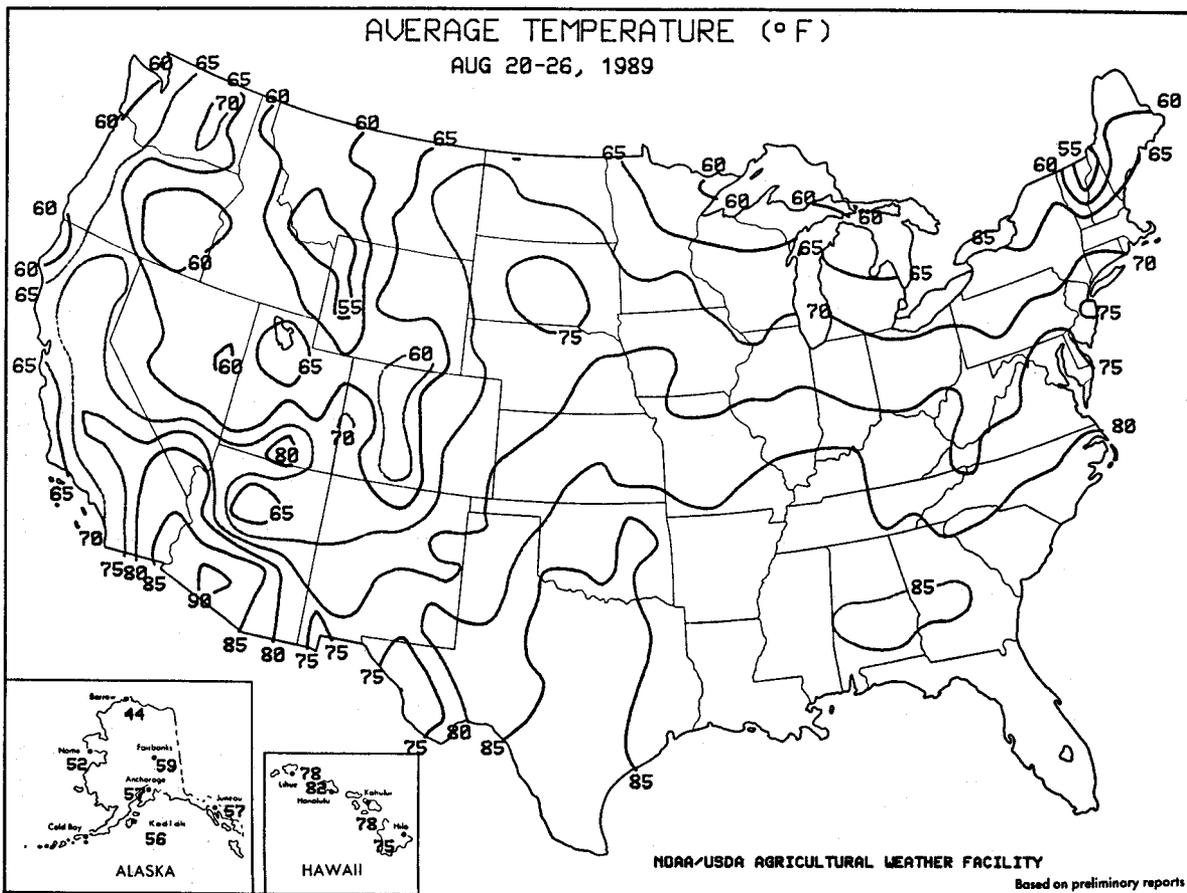
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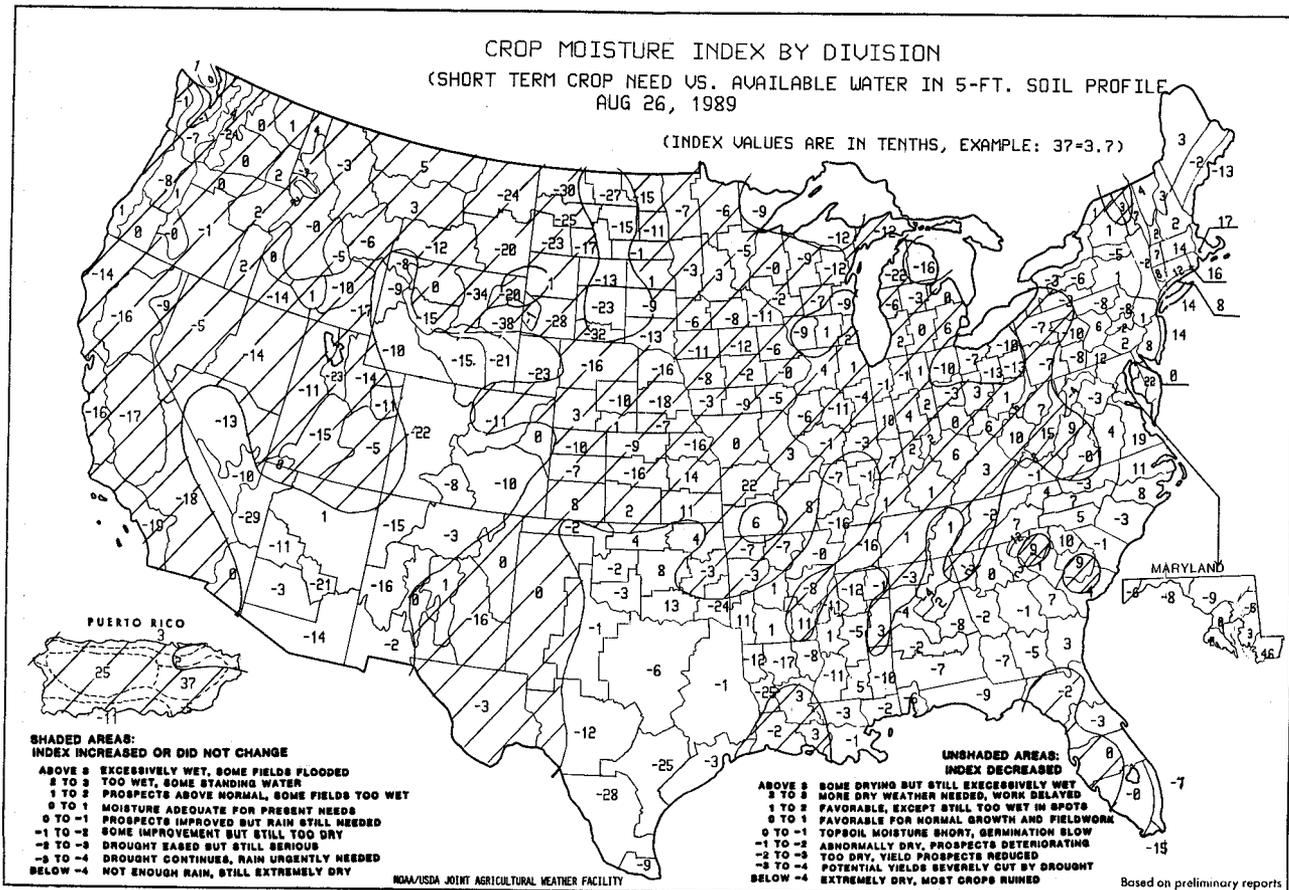
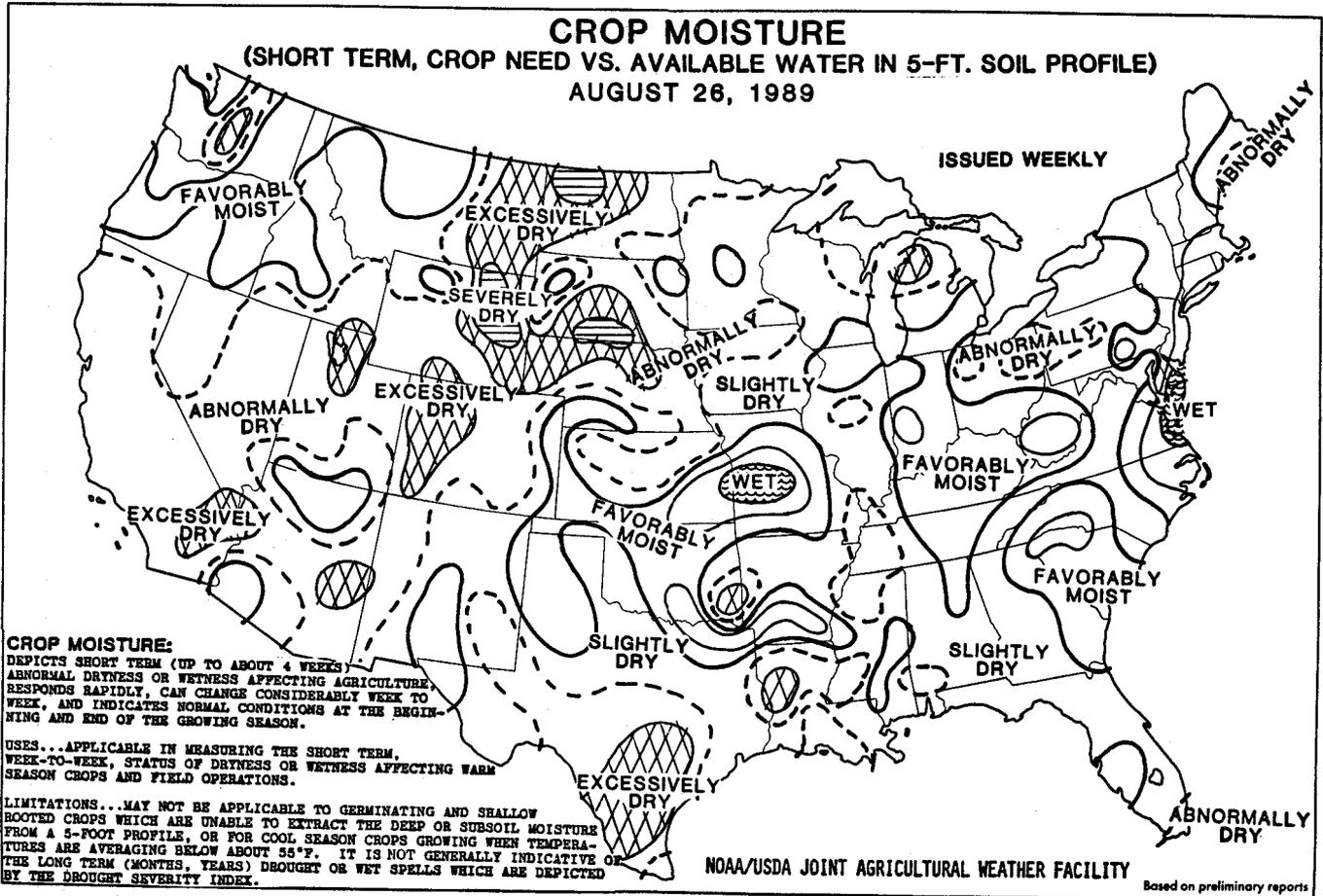


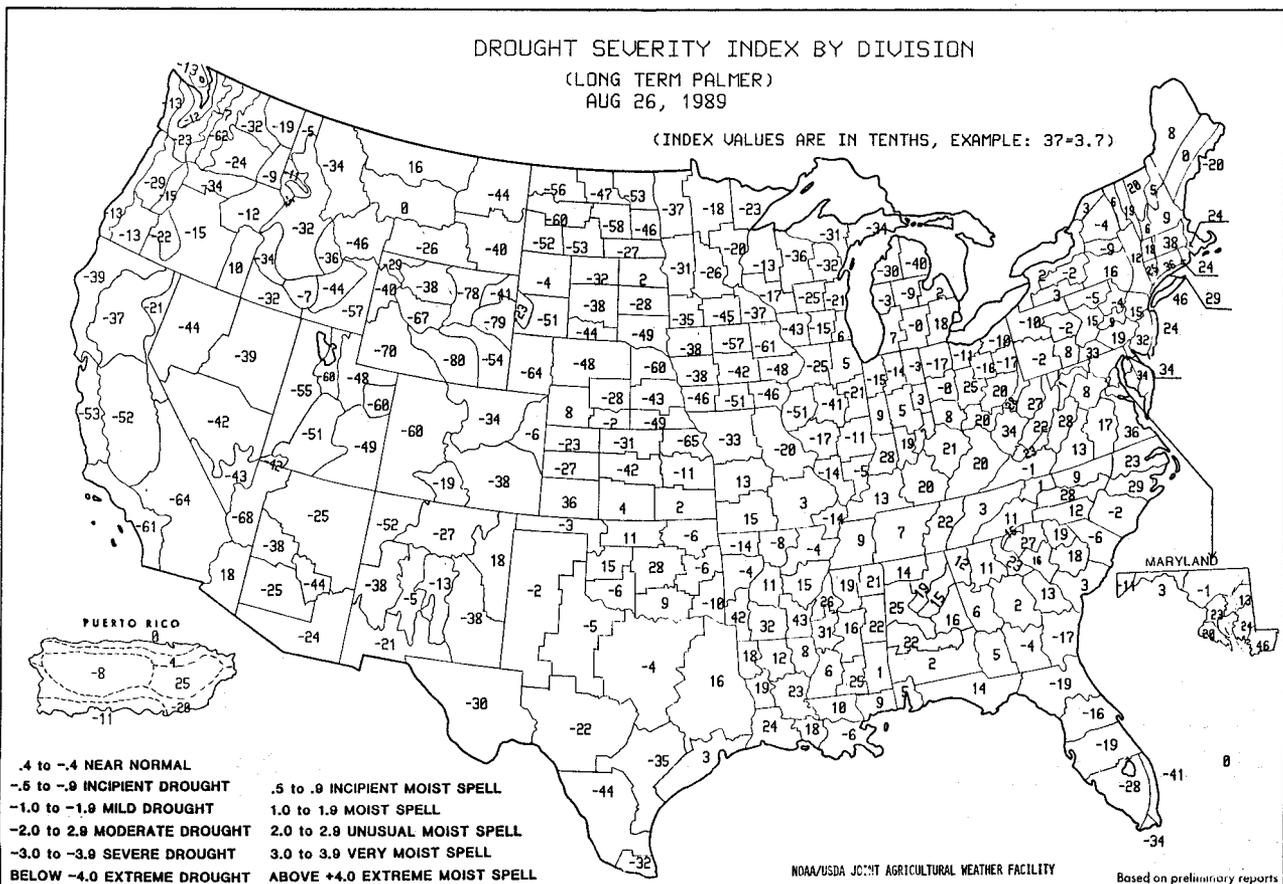
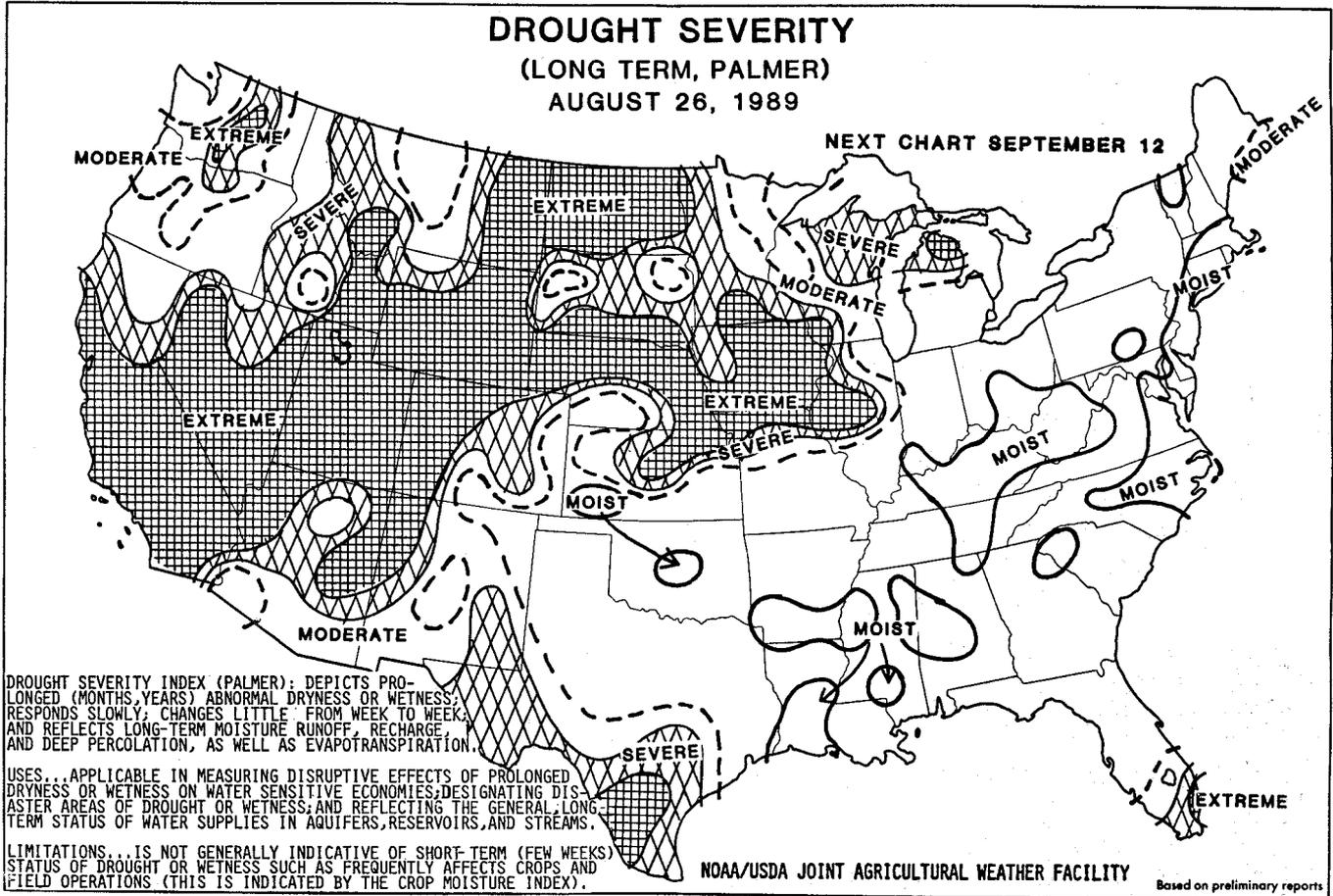
 GREATER THAN 2 INCHES
 GREATER THAN 4 INCHES
 NO PRECIPITATION

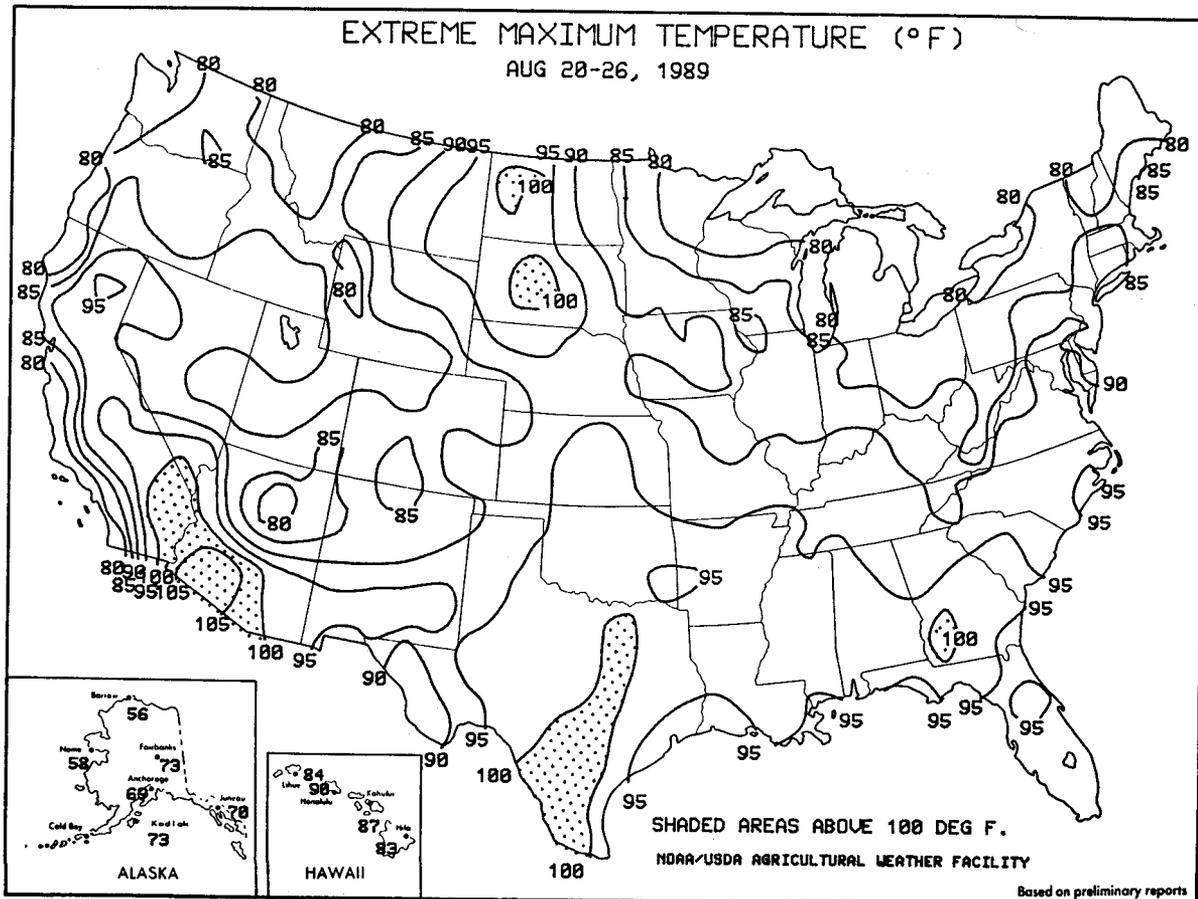
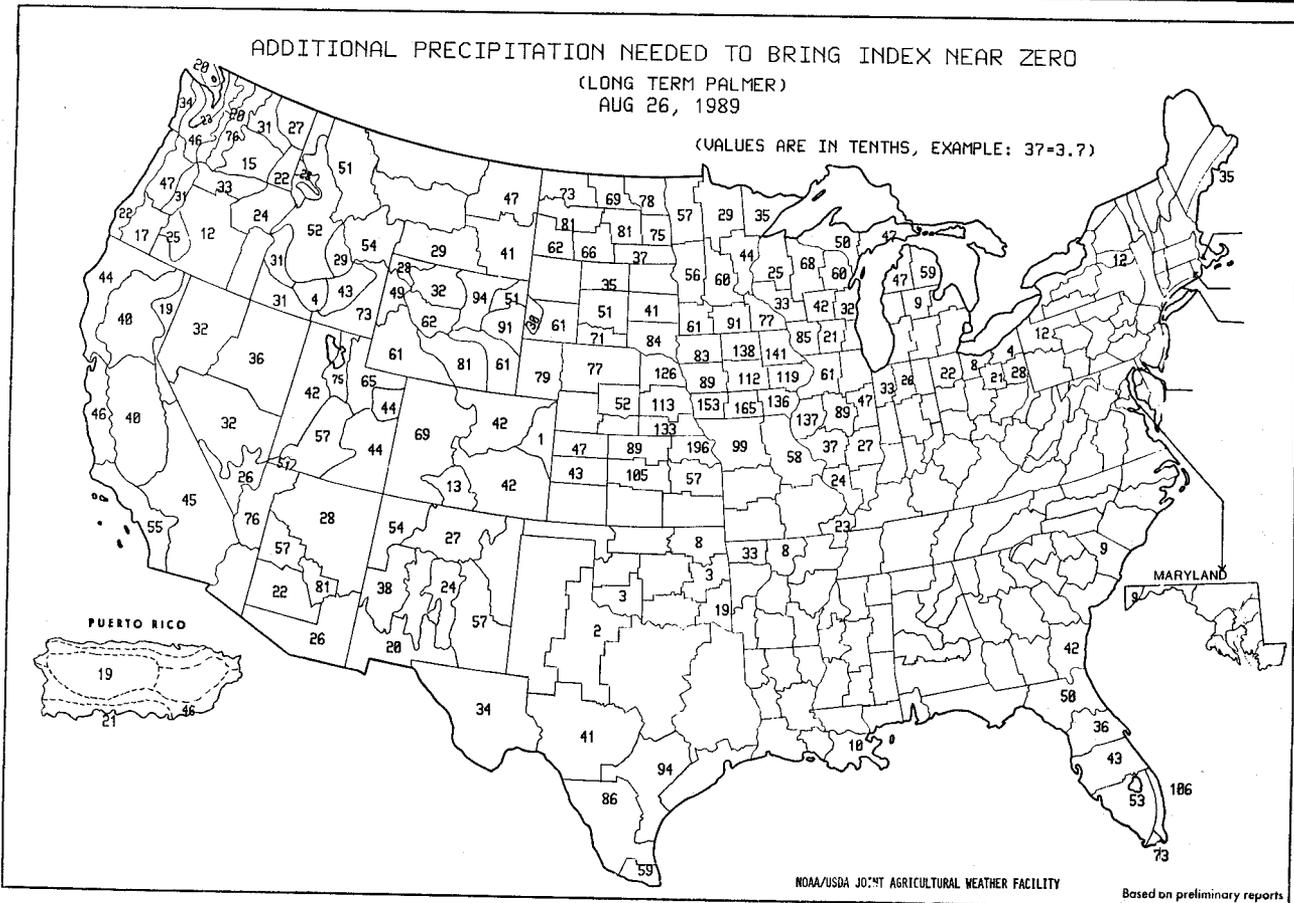
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

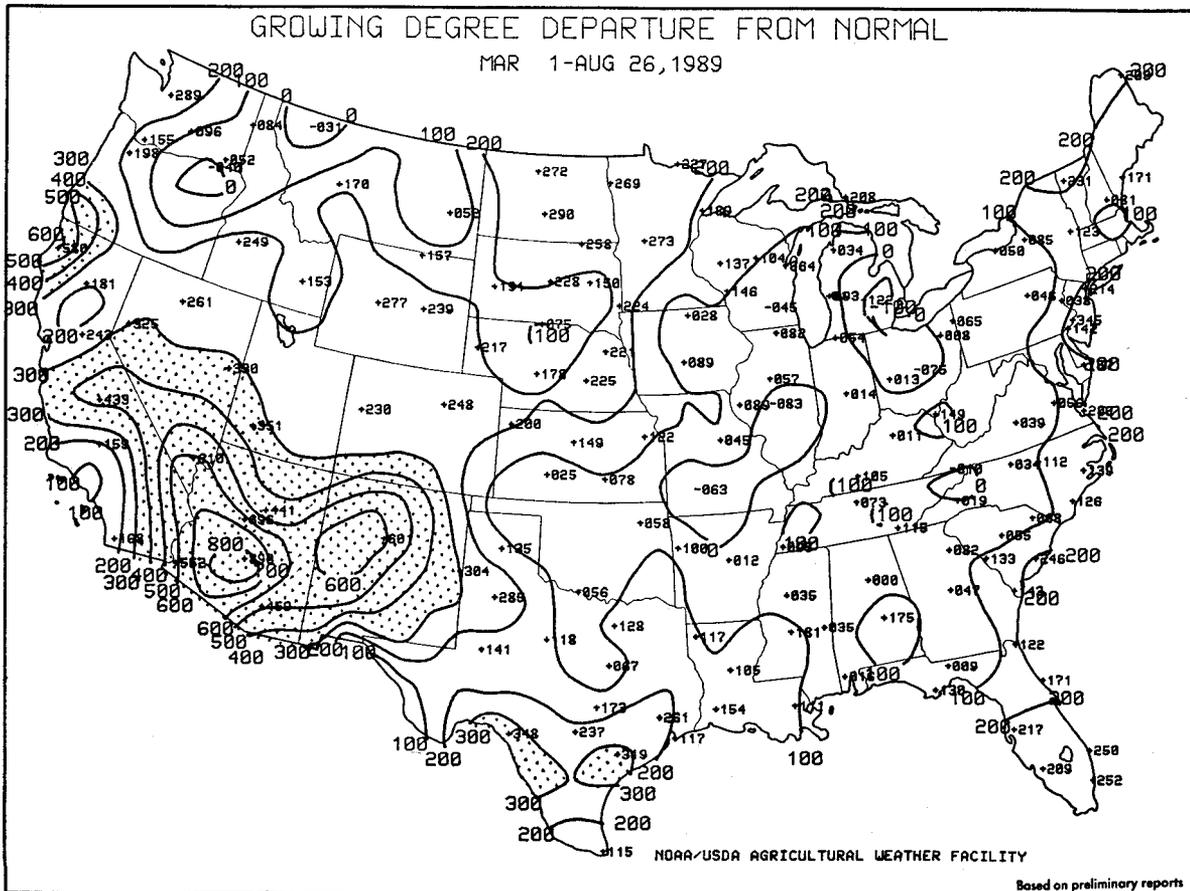
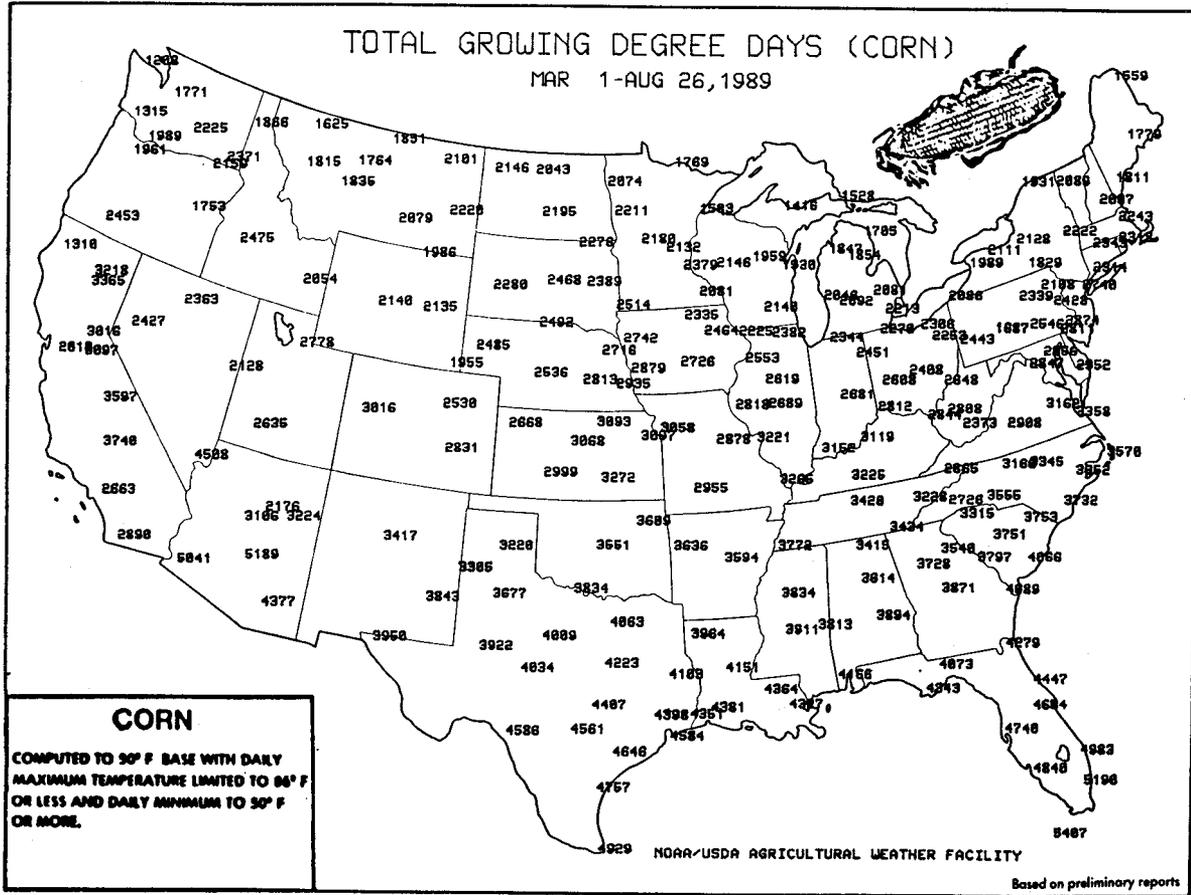
Based on preliminary reports











National Weather Data for Selected Cities

Weather Data for the Week Ending August 26, 1989

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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMPERATURE °F		PRECIPITATION	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	94	73	96	68	83	4	7	-8	T	21.7	178	44.7	117	91	46	7	0	0	0	0	
MOBILE	93	74	97	73	84	2	1.4	-1	1.4	19.2	104	38.4	85	97	53	7	0	1	1	0	
MONTGOMERY	96	73	99	70	85	4	0	-7	0	26.2	243	49.5	147	97	48	7	0	0	0	0	
AK ANCHORAGE	62	51	69	43	57	2	5.7	5.2	3.1	12.3	257	15.9	193	94	67	0	0	5	2	0	
BARROW	50	39	56	33	44	7	.4	.1	.2	5.2	262	6.2	216	100	85	0	0	5	0	0	
FAIRBANKS	69	49	73	40	59	4	T	-4	T	4.1	87	6.8	98	85	41	0	0	5	1	0	
JUNEAU	65	50	70	46	57	3	.6	-6	.3	7.7	69	20.1	71	98	68	0	0	3	0	0	
KODIAK	63	50	73	45	57	2	1.4	.2	1.1	16.3	140	29.8	84	96	71	0	0	5	1	0	
NOME	56	48	58	45	52	3	.7	0	.3	8.1	136	15.2	170	99	79	0	0	6	0	0	
AZ PHOENIX	103	77	105	75	90	1	0	-2	0	1.2	71	3.5	84	34	12	7	0	0	0	0	
PRESCOTT	84	53	85	50	69	-1	0	-7	0	5.3	80	8.1	64	56	17	0	0	0	0	0	
TUCSON	99	70	102	65	85	2	T	-4	T	2.4	53	4.4	62	51	17	7	0	0	0	0	
YUMA	101	74	104	70	87	-5	0	-1	0	6.0	6	6.8	499	68	21	7	0	0	0	0	
AR FORT SMITH	97	72	100	71	85	4	2.5	1.8	2.0	15.1	162	41.8	158	98	44	7	0	2	1	0	
LITTLE ROCK	93	75	95	73	84	4	.7	-1	.7	11.9	122	39.3	120	89	56	7	0	1	1	0	
CA BAKERSFIELD	91	62	94	58	76	-5	0	0	0	T	0	2.3	59	65	26	5	0	0	0	0	
EUREKA	64	55	68	52	60	2	-1	0	-1	.4	42	19.3	85	91	74	0	0	1	0	0	
FRESNO	91	61	94	57	76	-2	0	0	0	T	43	4.9	70	79	24	4	0	0	0	0	
LOS ANGELES	72	62	73	60	67	-4	T	0	T	0	0	3.2	38	90	63	0	0	0	0	0	
REDDING	90	60	96	55	75	-5	-2	.1	.2	1.2	84	19.9	79	75	24	4	0	1	0	0	
SACRAMENTO	87	57	94	53	72	-2	0	0	0	.6	365	9.1	85	88	30	1	0	0	0	0	
SAN DIEGO	74	65	75	62	70	0	0	0	0	T	40	2.0	30	79	58	0	0	0	0	0	
SAN FRANCISCO	75	55	83	52	65	2	0	0	0	T	8	7.4	59	92	50	0	0	0	0	0	
CO DENVER	87	53	92	51	70	0	T	-3	T	4.8	101	12.0	106	80	20	2	0	1	0	0	
GRAND JUNCTION	84	57	90	53	71	-3	T	-2	T	1.6	95	5.0	101	51	18	1	0	1	0	0	
PUEBLO	90	56	95	52	73	0	T	-4	T	2.2	49	5.1	62	80	20	5	0	0	0	0	
CT BRIDGEPORT	80	63	87	55	71	-1	0	-8	0	12.2	130	32.8	123	71	47	0	0	0	0	0	
HARTFORD	82	59	89	46	70	0	.2	-8	-1	15.9	164	37.0	133	91	42	0	0	2	0	0	
DC WASHINGTON	85	71	93	62	78	1	.2	-8	.2	12.8	117	33.7	129	92	57	1	0	1	0	0	
FL APALACHICOLA	92	75	95	74	84	2	1.8	-1	.8	19.7	109	34.0	96	94	58	6	0	3	3	0	
DAYTONA BEACH	91	74	95	72	82	2	1.5	-1	1.1	8.7	51	23.2	74	97	61	4	0	4	3	1	
JACKSONVILLE	93	75	96	72	84	2	4.2	2.4	1.8	19.4	104	29.4	82	97	59	6	0	6	3	0	
KEY WEST	90	80	91	76	85	1	.7	-5	.5	10.2	82	16.3	73	87	63	6	0	5	0	0	
MIAMI	90	79	92	75	85	2	1.9	-2	1.5	23.0	110	28.4	78	87	60	6	0	3	1	0	
ORLANDO	93	75	96	73	84	1	2.3	-9	1.2	17.7	86	27.7	79	97	54	6	0	4	2	1	
TALLAHASSEE	95	73	99	70	84	3	1.2	-4	1.1	28.4	133	44.8	98	98	48	7	0	2	1	0	
TAMPA	92	74	95	73	83	1	3.3	1.6	1.3	22.1	116	26.8	82	96	57	6	0	6	2	2	
WEST PALM BEACH	90	77	91	75	84	1	1.0	-5	.7	13.4	72	24.8	69	93	63	4	0	3	1	0	
GA ATLANTA	92	73	94	71	83	5	.3	-4	-3	18.9	172	41.3	119	92	51	7	0	1	0	0	
AUGUSTA	94	72	96	70	83	4	T	-8	T	18.8	163	36.0	115	100	54	7	0	2	0	0	
MACON	96	73	99	70	84	4	.4	-4	.4	12.0	106	33.3	103	97	46	7	0	1	0	0	
SAVANNAH	92	75	97	73	84	3	.3	-1	.3	17.0	91	26.1	71	96	57	6	0	2	0	0	
HI HILO	82	67	83	65	75	-1	4.8	2.6	3.6	36.6	157	134.9	164	93	66	0	0	4	2	0	
HONOLULU	89	74	90	71	82	1	T	-1	T	2.5	166	15.2	108	80	46	4	0	1	0	0	
KAHULUI	85	72	87	68	78	0	.3	.2	.2	2.5	275	28.6	235	87	60	0	0	2	0	0	
LIHUE	83	73	84	70	78	-1	1.5	1.1	1.5	10.2	197	40.6	157	81	66	0	0	2	1	0	
ID BOISE	76	52	88	46	64	-6	.7	.6	.5	.9	61	7.3	97	84	33	0	0	4	0	0	
LEWISTON	73	58	84	54	66	-5	2.6	2.4	1.0	4.5	174	11.2	133	79	49	0	0	3	3	0	
POCATELLO	75	45	88	37	60	-7	.3	.2	.3	1.2	60	7.1	100	89	32	0	0	3	0	0	
IL CHICAGO	80	65	87	60	72	2	T	-8	T	14.2	136	20.4	89	93	60	0	0	3	0	0	
MOLINE	82	65	89	59	73	2	1.1	.3	.7	10.0	81	21.3	82	94	59	0	0	4	1	0	
PEORIA	83	66	91	62	74	2	1.1	.4	1.0	5.4	50	15.3	63	98	63	1	0	4	1	0	
QUINCY	83	68	87	66	76	2	.7	-2	.4	3.9	33	10.7	41	96	64	0	0	4	0	0	
ROCKFORD	80	63	88	59	71	1	.3	-5	.2	12.4	102	20.1	80	99	62	0	0	2	0	0	
SPRINGFIELD	82	68	88	67	75	2	.6	-2	.5	4.6	47	18.1	77	100	70	0	0	3	1	0	
IN EVANSVILLE	89	72	91	70	81	5	2.0	1.3	1.3	15.2	151	39.9	137	98	67	4	0	4	1	0	
FORT WAYNE	80	63	85	55	72	1	.5	-2	.2	12.5	127	25.2	106	97	67	0	0	4	0	0	
INDIANAPOLIS	80	67	86	64	74	1	4.2	3.4	1.9	16.6	148	33.5	123	99	72	0	0	5	3	0	
SOUTH BEND	81	63	86	55	72	2	.9	.1	.7	12.9	119	23.4	93	93	58	0	0	3	1	0	
IA DES MOINES	84	66	93	62	75	2	4.5	3.6	1.8	10.9	101	19.2	87	97	56	1	0	3	3	0	
SIOUX CITY	85	63	91	56	74	2	1.1	.4	.6	9.4	94	14.0	74	90	55	1	0	4	1	0	
WATERLOO	83	63	91	59	73	4	.5	-3	.4	5.7	48	12.0	51	99	60	1	0	2	0	0	
KS CONCORDIA	89	67	95	64	78	-2	3.0	2.2	2.4	12.1	116	18.2	91	98	53	3	0	3	2	0	
DODGE CITY	88	65	95	60	76	-1	1.6	1.0	1.3	12.0	146	17.1	109	96	49	4	0	2	1	0	
GOODLAND	85	59	88	55	72	0	.3	-1	.3	11.9	177	16.2	129	96	40	0	0	3	0	0	
TOPEKA	87	69	91	68	78	2	1.7	.9	.9	12.7	104	22.6	96	96	63	1	0	3	2	1	
WICHITA	91	71	99	68	81	3	.8	.2	.5	14.5	145	23.2	117	94	49	3	0	3	1	0	
KY BOWLING GREEN	93	71	96	65	82	5	1.4	.7	.7	18.0	154	48.5	142	98	59	6	0	4	2	1	
LEXINGTON	85	69	89	65	77	3	1.1	.3	.6	12.4	99	40.6	125	97	68	0	0	4	1	0	
LOUISVILLE	87	70	92	66	79	3	1.2	.4	.6	14.4	138	41.9	140	98	67	1	0	3	1	0	
LA ALEXANDRIA	93	74	95	72	83	1	.2	-7	.1	17.0	141	49.1	134	92	52	7	0	2	0	0	
BATON ROUGE	94	75	96	73	84	3	.5	-6	.4	33.3	229	60.5	155	100	57	7	0	2	0	0	
LAKE CHARLES	93	76	95	74	84	3	1.6	.4	.9	33.1	237	53.0	154	97	55	6	0	3	2	0	
NEW ORLEANS	92	74	96	72	83	2	.3	-1.0	.3	19.7	120	36.2	89	99	55	7	0	1	0	0	

Based on 1951-80 normals

Weather Data for the Week Ending August 26, 1989

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 JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	95	74	97	73	84	2	.8	.2	.6	23.1	253	50.2	169	97	51	7	0	2	1
MS CARIBOU	67	51	74	41	59	-2	.2	-.7	.2	10.4	99	21.5	94	85	57	0	0	2	0
PORTLAND	77	56	86	47	67	1	.4	-.3	.4	8.7	106	26.0	98	85	48	0	0	1	0
MD BALTIMORE	84	66	91	62	75	1	.1	-1.0	.1	14.1	123	36.6	131	96	59	1	0	1	0
SALISBURY	83	67	89	57	75	1	.2	-1.1	.2	18.8	147	36.1	120	94	57	0	0	1	0
MA BOSTON	81	62	87	54	72	1	.4	-.5	.4	13.3	154	26.6	96	81	41	0	0	2	0
CHATHAM	75	60	82	53	68	1	.5	-.5	.5	10.3	113	30.1	103	92	75	0	0	1	0
MI ALPENA	74	47	83	38	60	-4	.1	-.6	.1	5.1	58	13.9	73	100	54	0	0	1	0
DETROIT	79	59	82	53	69	-1	.3	-.4	.3	8.9	97	19.6	93	94	54	0	0	2	0
FLINT	77	55	82	47	66	-2	.5	-.3	.4	11.7	133	21.1	107	98	56	0	0	3	0
GRAND RAPIDS	77	58	80	50	68	-1	1.9	1.2	1.4	10.9	118	21.4	99	99	60	0	0	2	2
HOUGHTON LAKE	75	52	81	40	63	-1	.1	-.6	.1	4.9	58	13.7	75	97	53	0	0	2	0
LANSING	79	56	82	48	67	0	2.2	1.5	1.6	9.0	100	20.9	107	97	57	0	0	2	2
MARQUETTE	69	48	76	36	59	-3	.5	-.2	.3	8.6	88	18.5	77	95	61	0	0	4	0
MUSKOGON	77	59	78	50	68	0	1.1	.4	.6	7.0	94	17.0	86	95	57	0	0	2	2
SAULT ST. MARIE	72	47	80	43	60	-2	.4	-.4	.4	5.0	55	15.6	77	98	55	0	0	1	0
MN ALEXANDRIA	78	59	85	54	68	2	2.7	1.9	2.6	7.6	74	13.4	74	97	56	0	0	2	1
DULUTH	70	52	73	41	61	-1	.4	-.5	.4	7.8	69	17.1	84	100	65	0	0	2	0
INT'L FALLS	75	53	79	49	64	2	.3	-.3	.2	11.4	115	16.4	99	99	59	0	0	3	0
MINNEAPOLIS	80	60	85	58	70	1	1.4	.6	1.3	9.4	89	19.2	100	97	58	0	0	3	1
ROCHESTER	79	58	88	54	69	2	1.1	.3	.9	8.3	79	16.0	81	99	60	0	0	3	1
MS GREENWOOD	94	75	96	73	85	5	.6	.6	.6	24.2	236	51.1	140	93	53	7	0	1	1
JACKSON	96	73	98	70	85	4	1.2	.4	1.1	14.4	134	35.9	99	100	50	7	0	2	1
MERIDIAN	96	72	99	69	84	4	.4	-.3	.4	20.7	177	47.9	128	100	48	7	0	1	0
MO CAPE GIRARDEAU	92	74	95	72	83	-	2.1	1.3	1.6	18.5	182	42.5	140	97	59	6	0	4	1
COLUMBIA	82	69	88	65	76	0	3.2	2.4	1.2	15.6	164	28.2	113	100	76	0	0	6	2
KANSAS CITY	85	69	91	67	77	0	2.0	1.2	.7	12.1	101	21.8	88	97	64	2	0	6	2
SAINT LOUIS	87	72	94	71	80	3	2.1	1.6	1.1	9.7	102	24.4	103	97	64	3	0	5	2
SPRINGFIELD	89	69	91	65	79	3	2.1	1.5	1.6	10.1	95	25.7	98	97	57	3	0	2	2
MT BILLINGS	80	52	92	45	66	-3	.6	.3	.4	2.4	64	10.6	100	86	30	1	0	3	0
GLASGOW	82	56	93	48	69	1	.5	.2	.5	2.7	51	8.0	93	82	31	1	0	1	1
GREAT FALLS	69	49	86	39	59	-7	3.8	3.5	2.2	9.4	192	17.8	155	94	53	0	0	6	3
HAVRE	72	52	86	45	62	-4	.8	-.6	.5	3.7	83	8.5	95	68	39	0	0	2	0
HELENA	67	47	82	39	57	-7	.7	-.4	.3	4.1	102	9.4	109	94	53	0	0	6	0
KALISPELL	64	49	74	45	57	-5	2.3	1.9	1.2	5.7	133	13.8	130	96	64	0	0	5	1
MILES CITY	86	58	97	47	72	1	T	-.3	T	4.5	84	12.2	113	74	24	2	0	0	0
MISSOULA	66	49	75	40	58	-7	1.1	.9	.3	4.6	133	10.2	113	97	56	0	0	6	0
NE GRAND ISLAND	87	64	93	59	76	2	.5	-.1	.3	8.2	96	11.9	68	94	52	2	0	2	0
LINCOLN	87	67	92	61	77	3	2.5	1.7	2.0	10.2	103	13.6	67	95	55	2	0	3	1
NORFOLK	88	63	92	54	75	3	.2	-.4	.1	6.2	64	11.5	62	96	47	2	0	3	0
NORTH PLATTE	88	57	93	47	72	1	.8	-.4	.8	7.0	85	11.8	77	95	37	2	0	3	1
OMAHA	85	67	89	63	76	2	.5	-.5	.2	9.4	84	14.0	64	92	60	0	0	4	0
SCOTTSBLOFF	88	54	93	50	71	1	.1	-.1	0	2.5	44	6.9	59	87	24	2	0	2	0
VALENTINE	90	59	97	51	75	4	T	-.5	T	5.9	80	9.2	67	72	26	4	0	0	0
NV ELY	77	42	82	34	60	-4	.4	-.3	.3	2.9	148	5.8	93	64	18	0	0	2	0
LAS VEGAS	96	69	99	66	82	-5	0	-.1	0	.9	98	2.2	83	28	10	7	0	0	0
RENO	81	47	88	39	64	-2	T	-.1	T	2.4	301	5.2	107	74	20	0	0	0	0
WINNEMUCCA	80	45	89	33	63	-4	.1	0	.1	.8	55	3.2	62	62	19	0	0	1	0
NH CONCORD	77	52	85	40	65	-1	.3	-.4	.2	11.3	131	24.8	109	96	44	0	0	3	0
NJ ATLANTIC CITY	82	64	88	52	73	0	T	-1.0	T	15.8	147	35.5	128	95	55	0	0	1	0
NM ALBUQUERQUE	87	59	89	56	73	-2	T	-.3	T	2.0	64	3.4	65	64	19	0	0	1	0
CLOVIS	85	63	88	59	74	-1	.3	-.3	.2	10.2	134	11.5	96	97	38	0	0	2	0
ROSWELL	93	67	96	65	80	3	.3	-.1	.3	1.9	42	3.4	50	77	26	7	0	3	0
NY ALBANY	80	57	86	46	69	0	.6	-.2	.3	15.3	169	28.6	125	95	45	0	0	3	0
BINGHAMTON	75	54	80	44	64	-2	T	-.7	T	12.4	125	27.0	113	94	49	0	0	2	0
BUFFALO	76	55	79	46	65	-3	.9	-.1	.7	10.6	116	27.2	116	94	49	0	0	4	1
NEW YORK	83	68	90	62	76	1	.2	-.7	.2	19.4	186	40.3	145	82	40	1	0	2	0
ROCHESTER	76	55	79	44	65	-3	.1	-.7	.1	9.1	113	23.2	114	97	51	0	0	2	0
SYRACUSE	76	55	82	44	66	-2	T	-.8	T	10.2	98	21.9	87	93	50	0	0	1	0
NC ASHEVILLE	85	64	88	59	74	2	1.0	0	.8	23.4	210	41.3	138	100	58	0	0	5	1
CHARLOTTE	87	71	94	70	79	2	.6	-.3	.5	12.2	116	31.4	105	97	59	2	0	3	0
GREENSBORO	85	69	92	67	77	2	.1	-.8	.1	11.5	99	32.2	112	96	62	2	0	3	0
HATTERAS	87	76	90	73	82	4	.4	-1.0	.4	17.7	120	50.0	144	89	61	1	0	1	0
NEW BERN	90	72	94	68	81	3	.1	-1.3	.1	20.7	120	42.1	116	96	55	5	0	2	0
RALEIGH	88	70	94	67	79	2	.7	-.3	.6	17.4	148	39.4	136	98	56	3	0	2	1
WILMINGTON	89	72	95	67	81	1	.6	-.9	.5	20.6	110	42.7	115	96	60	4	0	4	1
ND BISMARCK	85	58	96	49	71	4	.3	-.1	.3	3.0	47	7.9	67	92	39	3	0	1	0
FARGO	79	59	86	51	69	2	1.0	.4	.8	5.4	62	12.6	87	91	54	0	0	2	1
GRAND FORKS	79	57	87	48	68	2	.4	-.2	.3	3.5	43	8.6	64	92	52	0	0	2	0
WILLISTON	85	57	100	50	71	4	T	-.3	T	2.9	52	7.9	78	85	31	2	0	1	0
OH AKRON-CANTON	81	60	84	55	70	1	.2	-.5	.2	11.9	118	28.5	115	97	57	0	0	1	0
CINCINNATI	82	68	88	64	75	2	2.2	1.5	1.0	12.7	117	36.8	132	97	69	0	0	5	1
CLEVELAND	80	62	84	57	71	1	.4	-.4	.4	9.1	95	29.2	123	92	68	0	0	1	0
COLUMBUS	79	65	85	60	72	0	1.7	.9	1.4	16.3	146	33.5	127	98	60	0	0	4	1

Weather Data for the Week Ending August 26, 1989

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 JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE °F		PRECIPIT- TATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
DAYTON	79	65	85	58	72	0	1.2	.6	.6	10.0	102	36.4	148	99	74	0	0	4	1	
TOLEDO	79	60	83	52	69	0	1.4	.7	1.4	16.2	174	29.2	135	96	62	0	0	2	1	
YOUNGSTOWN	81	58	84	51	70	2	.7	0	.4	14.5	139	29.8	118	96	52	0	0	2	0	
OK OKLAHOMA CITY	94	74	96	72	84	4	T	-6	T	22.3	251	32.7	152	85	43	7	0	2	0	
TULSA	96	77	98	74	86	6	.2	-5	.1	10.1	97	22.8	88	88	50	6	0	0	0	
OR ASTORIA	67	52	71	46	60	-1	.3	-1	.3	5.1	105	35.3	93	96	70	0	0	1	0	
BURNS	69	44	80	37	56	-10	.5	.3	.4	1.9	156	7.5	123	85	38	0	0	2	0	
MEDFORD	83	54	89	46	68	-2	T	-1	T	.3	27	10.6	98	86	30	0	0	1	0	
PENDLETON	74	56	83	53	65	-6	1.1	1.0	1.1	1.9	135	10.0	136	84	41	0	0	4	1	
PORTLAND	74	57	83	52	65	-1	.5	.4	.6	1.9	69	19.8	95	97	58	0	0	3	0	
SALEM	75	53	85	47	64	-1	.4	.2	.4	2.3	107	17.3	77	96	50	0	0	2	0	
PA ALLENTOWN	83	61	88	53	72	1	.8	-2	.7	12.9	115	31.5	109	92	47	0	0	2	1	
ERIE	75	59	81	52	67	-1	1.7	.8	1.4	9.9	93	27.7	113	92	59	0	0	3	1	
HARRISBURG	84	63	89	55	74	0	0	-8	0	16.8	173	35.4	137	92	45	0	0	0	0	
PHILADELPHIA	85	68	90	80	76	2	.4	-5	.4	18.1	162	37.2	135	90	50	1	0	2	0	
PITTSBURGH	83	63	86	57	73	-3	.1	-6	.1	12.9	129	31.8	124	95	52	0	0	2	0	
SCRANTON	78	57	83	47	68	-2	.1	-7	.1	11.5	119	25.5	112	95	48	0	0	2	0	
RI PROVIDENCE	81	62	87	50	71	1	.1	-8	.1	16.7	182	35.9	126	91	46	0	0	1	0	
SC CHARLESTON	92	74	95	72	83	4	1.5	.1	.8	17.0	88	30.0	80	97	57	7	0	2	2	
COLUMBIA	95	72	98	69	83	4	1.6	.4	1.6	18.4	127	37.1	105	99	51	7	0	2	1	
FLORENCE	91	73	95	71	82	3	1.6	.5	1.0	16.7	116	33.2	105	98	56	5	0	2	2	
GREENVILLE	89	69	94	65	79	2	2.7	1.8	2.6	15.8	130	33.5	96	98	54	2	0	3	2	
SD ABERDEEN	85	61	90	57	73	4	.3	-1	.3	7.8	108	14.7	107	98	46	2	0	2	0	
HURON	89	62	97	54	76	5	.3	-2	.3	5.6	77	11.3	79	91	38	3	0	2	0	
RAPID CITY	89	57	99	52	73	3	.8	.3	.3	5.3	50	7.5	57	79	24	4	0	2	1	
STOUX FALLS	82	62	88	56	72	1	.5	-3	.5	6.3	71	11.1	64	95	58	0	0	4	0	
TN CHATTANOOGA	93	70	94	66	82	4	2.1	1.3	1.7	22.6	211	49.5	139	95	48	7	0	3	1	
KNOXVILLE	90	69	93	63	80	3	.4	-2	.2	13.3	123	37.1	114	100	57	6	0	3	0	
MEMPHIS	94	76	96	75	85	5	1.4	.6	.8	16.1	151	44.8	125	93	56	7	0	2	2	
NASHVILLE	93	72	94	68	83	5	2.0	1.3	1.8	14.6	142	41.1	123	91	52	7	0	2	1	
TX ABILENE	90	65	93	63	78	2	0	-6	0	13.1	197	22.2	145	72	31	7	0	2	0	
AMARILLO	100	74	101	74	87	3	.3	-4	.2	10.9	126	15.4	107	89	36	5	0	4	0	
AUSTIN	91	75	94	74	83	3	1.8	1.3	1.8	5.9	88	22.0	112	96	36	7	0	1	1	
BEAUMONT	94	76	96	75	85	1	1.2	-1	1.1	31.3	202	57.1	159	97	60	5	0	4	1	
BROWNSVILLE	91	76	96	74	85	1	0	-8	0	5.7	90	13.0	98	96	52	5	0	4	1	
CORPUS CHRISTI	95	76	96	74	85	1	0	-1.0	0	6.5	71	13.3	73	98	52	7	0	0	0	
DEL RIO	95	76	96	74	85	0	0	-4	0	.8	16	5.8	55	72	33	7	0	0	0	
EL PASO	91	66	95	64	78	-1	.6	.3	.3	3.8	122	5.9	127	93	33	5	0	3	0	
FORT WORTH	97	76	101	74	86	2	0	0	0	13.2	216	34.6	169	83	37	7	0	0	0	
GALVESTON	88	80	89	79	84	1	T	-1.0	T	22.7	209	34.9	144	87	67	0	0	1	0	
HOUSTON	94	74	96	72	84	1	.1	-9	.1	25.5	226	50.2	172	96	49	7	0	3	0	
LUBBOCK	91	68	95	65	80	3	.5	0	.3	7.7	110	10.3	83	85	40	4	0	4	0	
MIDLAND	95	70	98	67	82	2	.3	-1	.2	2.1	47	4.9	57	83	32	6	0	2	0	
SAN ANGELO	95	73	97	70	84	2	0	-5	0	6.0	132	13.7	125	79	34	6	0	4	0	
SAN ANTONIO	99	77	100	76	88	4	.1	-6	.1	5.2	73	12.5	69	90	33	7	0	1	0	
VICTORIA	97	76	99	74	86	3	.4	-4	.4	7.7	79	15.5	70	94	42	7	0	2	0	
WACO	100	76	102	74	88	3	T	-5	T	8.4	142	26.4	132	88	36	7	0	0	0	
WICHITA FALLS	97	75	99	73	86	3	0	-5	0	17.8	274	28.7	164	79	38	7	0	0	0	
UT CEDAR CITY	80	50	83	43	65	-5	.3	.1	.2	2.8	111	5.5	81	59	14	0	0	0	0	
SALT LAKE CITY	82	54	91	44	68	-3	1.9	1.0	.7	14.4	141	23.2	107	94	50	2	0	2	0	
VT BURLINGTON	72	54	82	40	63	-3	.2	-1.0	.1	17.7	135	41.9	138	92	57	2	0	2	0	
VA NORFOLK	86	72	95	66	79	2	.1	-1.0	.1	14.7	114	35.2	120	94	58	1	0	1	0	
RICHMOND	85	70	81	66	77	1	.6	-3	.5	19.5	194	34.8	132	99	58	2	0	4	0	
ROANOKE	86	67	93	61	76	2	1.5	.8	.8	8.8	113	49.8	85	99	70	0	0	3	2	
WA QUILLAUTE	65	51	71	46	58	-1	.7	.4	.7	2.7	86	20.3	97	92	51	0	0	2	1	
SEATTLE-TACOMA	73	56	79	52	65	1	1.4	1.2	.9	2.1	90	9.6	95	94	50	0	0	5	1	
SPOKANE	70	53	79	49	61	-6	.4	.3	.3	.5	46	3.8	82	83	36	0	0	1	0	
YAKIMA	79	54	85	47	67	-1	.3	.8	.8	11.4	96	29.8	101	97	66	0	0	4	1	
WV HECKLEY	80	64	84	61	72	4	1.4	.9	.7	14.8	121	40.5	135	100	64	1	0	5	2	
CHARLESTON	85	68	90	62	77	4	3.6	2.8	1.9	18.7	163	44.5	154	98	68	1	0	5	2	
HUNTINGTON	84	69	90	62	76	3	1.5	.8	1.1	14.3	130	37.7	141	99	71	0	0	4	1	
PAHRSBURG	82	67	87	63	74	1	.2	-5	.2	4.8	53	13.2	70	91	47	0	0	1	0	
WI GREEN BAY	79	56	86	53	68	2	.5	-3	.3	5.9	53	13.8	65	100	58	0	0	2	0	
LACROSSE	81	59	89	51	70	0	.8	-1	.7	9.2	85	16.5	77	96	61	0	0	3	1	
MADISON	79	57	87	54	68	0	1.4	.7	1.1	12.4	128	21.2	100	96	66	0	0	2	1	
MILWAUKEE	76	63	84	59	69	1	.7	-3	.7	7.7	68	15.9	73	96	52	0	0	1	1	
WAUSAU	76	55	81	50	66	0	.1	-1	.1	3.2	117	8.7	104	66	15	0	0	1	0	
WY CASPER	83	49	89	43	66	-1	.7	-3	.7	6.0	118	9.8	94	83	26	0	0	0	0	
CHEYENNE	80	51	85	49	66	0	0	-1	T	3.8	152	11.4	119	61	18	0	0	0	0	
LANDER	80	49	87	42	65	-3	T	-1	T	3.8	152	11.4	119	61	18	0	0	0	0	
SHERIDAN	85	47	95	41	66	-1	T	-2	T	2.4	61	8.8	80	83	21	2	0	1	0	

National Agricultural Summary

August 21-27, 1989

HIGHLIGHTS: Rain improved soil moisture and crop conditions in the Corn Belt and portions of the central Great Plains. Soil moisture was still mostly short to adequate in the northern Great Plains and western Corn Belt. Lack of moisture stressed crops in the Delta where soil moisture was mostly short to adequate. Soil moisture was mostly adequate in the East. Rain improved pasture and range conditions in portions of the Pacific Northwest.

Winter wheat harvest was 98 percent (%) complete, 1 percentage point behind the 5-year average. Spring wheat harvest was 90% complete, 15 points ahead of normal. Corn was mostly good to fair with 83% of the crop in the dough stage or beyond, 5 points behind normal. Forty-one percent was in the dent stage, 15 points behind normal. Eight percent of the crop was mature, 5 points behind normal. Soybeans were mostly good to fair with blooming 95% complete, 2 points behind normal. Eighty-five percent of the acreage was setting pods, 4 points behind normal. Two percent of the acreage was dropping leaves, 2 points behind normal. Cotton was mostly fair to good with 95% of the acreage setting bolls, 3 points behind normal. Bolls were opening in 13% of the acres, 9 points behind normal. Sorghum was mostly good to fair with heading 80% complete, 9 points behind normal. Thirty-four percent of the acreage was turning color, 11 points behind normal. Citrus groves were in near excellent condition in Florida.

SMALL GRAIN: Winter wheat harvest was 98% complete, 1 point behind normal. Harvest was complete except in the Pacific Northwest. Harvest lagged behind normal in Montana and Washington. Winter wheat seeding was underway in the High Plains area of Texas. Land preparation for fall seeding was active in portions of the Corn Belt and central Great Plains.

Spring wheat harvest was 90% complete, 15 points ahead of normal. In Montana, harvest advanced 28 points and was 67% complete, equal to the average. Harvest lagged 3 points behind the 59% average in Idaho. Rain delayed harvest in some areas.

CORN: Corn was mostly good to fair with 83% of the crop in the dough stage or beyond, 5 points behind normal. Forty-one percent was in the dent stage, 15 points behind normal. Eight percent of the crop was mature, 5 points behind normal. Crop development lagged behind normal in most of the 17 major producing States. Percentage of acres in the dent stage was 20 or more points behind normal in 5 of the 17 major producing States. In Ohio, 11% was in the dent stage, 43 points behind the 54% average. Harvest continued in Texas and Georgia.

SOYBEANS: Soybeans were mostly good to fair with blooming 95% complete, 2 points behind normal. Eighty-five percent of the acreage was setting pods, 4 points behind normal. Two percent of the acreage was in the leaf dropping stage, 2 points behind normal. Crop development lagged behind normal in most of the 19 major producing States. Rain improved soybean condition in portions of the Corn Belt and central Great Plains. Lack of moisture lowered crop condition in most of the Delta.

COTTON: Cotton was mostly fair to good with 95% of the acreage setting bolls, 3 points behind normal. Bolls were opening in 13% of the acres, 9 points

behind normal. Crop development lagged behind normal in most areas. Percentage of acres opening bolls lagged 20 or more points behind normal in Arkansas, Georgia, Louisiana, and Mississippi. Harvest began in Arizona and was 10% complete in Texas.

SORGHUM: Sorghum was mostly good to fair with heading 80% complete, 9 points behind normal. Thirty-four percent of the acreage was turning color, 11 points behind normal. Crop development lagged behind normal in most of the 11 major producing States. Rain improved sorghum condition in Illinois and Nebraska. Sorghum was mostly good in Illinois but was still mostly fair to poor in Nebraska. In Texas, sorghum was mostly good to fair with harvest 52% complete, 3 points behind normal. In Kansas, sorghum was mostly good to fair.

OTHER FIELD CROPS: Rice was good to fair with heading 88% complete, 3 points behind normal. Harvest was underway in three of the five major producing States and was 21% complete, 1 point behind normal. In Georgia, peanuts were good to fair with digging 2% complete, 2 points behind normal. Peanuts were good to fair in North Carolina and mostly fair in Alabama, where digging was 4% complete. In Texas, peanut harvest was 8% complete, 6 points ahead of normal. In North Carolina, flue-cured tobacco harvest was 55% complete, 3 points ahead of normal. Burley tobacco harvest was 34% complete, 1 point ahead of normal in Kentucky.

FRUIT AND NUTS: In Florida, citrus groves were in near excellent condition with excellent soil moisture. Red grapefruit harvest began in southern areas. In Georgia, apples were mostly fair to good with harvest 30% complete. Pecans were good to fair. Apple harvest was 7% complete, 5 points behind normal in North Carolina. Peach harvest was nearly complete in South Carolina. In Texas, insects and lack of moisture stressed pecans. Nut drop was higher than normal in the drier areas. Lemon harvest was underway in western Arizona. Apple harvest was active in eastern Arizona. In California, table grape harvest was active and wine grape harvest gained momentum. Freestone peach, plum, and nectarine harvests were over 95% complete. Early variety almond harvest was in full swing. In Oregon, Bartlett pear harvest was underway in the Hood River Valley.

VEGETABLES: In Florida, fall vegetable planting was active except in the Homestead area. Plantings included celery, cabbage, cucumbers, eggplant, peppers, squash, and tomatoes. Watermelon harvest was 90% complete in South Carolina. In New York, harvest of snap beans for processing was nearly complete. Sweetpotato harvest continued in eastern Texas. In the High Plains area, onion and potato harvests were nearly complete. Fall crop plantings continued in the Rio Grande Valley. Lettuce, cauliflower, and broccoli plantings were active in western Arizona. In California, sweetpotato harvest continued in the San Joaquin Valley. Transplanting of fall vegetable crops was active in the Westside and Huron areas. In Oregon, potato digging continued in the Hermiston-Boardman area. Onion and potato harvests were active in Idaho. Potato digging lagged behind normal in North Dakota.

PASTURES AND LIVESTOCK: Pastures were mostly good in the Delta and Southeast and fair to poor in other areas. In Nebraska, producers continued to feed hay to supplement pastures. Rain improved range conditions in portions of the Pacific Northwest.

Crop Progress

FOR WEEK ENDING AUGUST 27, 1989

	CORN % DOUGH		
	1989	1988	AVG.
COLO	55	78	84
GA	100	100	100
ILL	90	91	94
IND	88	95	94
IOWA	88	100	89
KANS	90	95	90
KY	90	98	95
MICH	45	65	75
MINN	91	99	83
MO	96	99	97
NEBR	93	96	92
N C	95	96	97
OHIO	59	81	91
PA	33	56	70
S DAK	76	93	67
TEX	100	99	98
WIS	59	83	72
17 STATES	83	92	88

THESE 17 STATES PRODUCED 94% OF THE 1988 CORN CROP.

	CORN % DENT		
	1989	1988	AVG.
COLO	12	32	42
GA	98	100	100
ILL	54	75	71
IND	31	42	51
IOWA	50	89	63
KANS	50	65	50
KY	60	71	73
MICH	5	25	25
MINN	28	76	45
MO	81	88	87
NEBR	40	68	49
N C	78	82	88
OHIO	11	32	54
PA	6	12	23
S DAK	37	73	31
TEX	86	94	90
WIS	13	55	35
17 STATES	41	68	56

THESE 17 STATES PRODUCED 94% OF THE 1988 CORN CROP.

	CORN % MATURE		
	1989	1988	AVG.
COLO	0	0	0
GA	95	97	98
ILL	4	19	17
IND	3	7	15
IOWA	10	30	11
KANS	25	40	20
KY	10	15	23
MICH	0	1	2
MINN	0	12	5
MO	28	32	32
NEBR	1	11	4
N C	44	54	65
OHIO	0	0	0
PA	0	0	0
S DAK	10	11	4
TEX	64	67	67
WIS	0	12	4
17 STATES	8	19	13

THESE 17 STATES PRODUCED 94% OF THE 1988 CORN CROP.

	SPRING WHEAT % HARVESTED		
	1989	1988	AVG.
IDAHO	56	78	59
MINN	98	99	78
MONT	67	85	67
N DAK	93	98	73
S DAK	100	100	94
5 STATES	90	96	75

THESE 5 STATES PRODUCED 87% OF THE 1988 SPRING WHEAT CROP.

	COTTON % SETTING BOLLS		
	1989	1988	AVG.
ALA	100	100	100
ARIZ	100	100	100
ARK	100	100	100
CALIF	100	100	100
GA	100	100	100
LA	100	100	100
MISS	100	99	100
MO	100	100	100
N MEX	100	100	100
N C	94	94	97
OKLA	70	99	90
S C	95	97	99
TENN	100	100	100
TEX	92	98	97
14 STATES	95	99	98

THESE 14 STATES PRODUCED 99% OF THE 1988 COTTON CROP.

	COTTON % BOLLS OPENING		
	1989	1988	AVG.
ALA	18	35	22
ARIZ	64	66	62
ARK	0	15	27
CALIF	20	25	27
GA	8	21	28
LA	6	34	41
MISS	4	24	40
MO	10	28	25
N MEX	12	2	14
N C	12	24	19
OKLA	1	5	1
S C	9	8	22
TENN	8	9	15
TEX	14	19	17
14 STATES	13	22	24

THESE 14 STATES PRODUCED 99% OF THE 1988 COTTON CROP.

	WINTER WHEAT % HARVESTED		
	1989	1988	AVG.
ARK	100	100	100
CALIF	100	100	100
COLO	100	100	100
GA	100	100	100
IDAHO	80	95	80
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	100	100	100
MO	100	100	100
MONT	85	100	90
NEBR	100	100	100
N MEX	100	100	NA
N C	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	94	93	94
S DAK	100	100	100
TEX	100	100	100
WASH	87	95	94
20 STATES	98	100	NA

EXCL. STATES WITH NA 98 100 99

THESE 20 STATES PRODUCED 90% OF THE 1988 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % HEADED		
	1989	1988	AVG.
ARK	99	95	NA
ILL	97	97	NA
KANS	65	85	80
LA	99	95	99
MISS	97	99	100
MO	95	95	96
NEBR	92	100	99
OKLA	75	80	90
S DAK	83	89	87
TENN	100	100	100
TEX	88	95	94
11 STATES	80	91	NA

EXCL. STATES WITH NA 80 91 89

THESE 11 STATES PRODUCED 96% OF THE 1988 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % COLORING		
	1989	1988	AVG.
ARK	82	68	NA
ILL	59	46	NA
KANS	10	25	25
LA	83	65	86
MISS	74	70	84
MO	55	51	65
NEBR	25	53	39
OKLA	25	50	45
S DAK	40	50	32
TENN	74	67	79
TEX	68	68	72
11 STATES	36	47	NA

EXCL. STATES WITH NA 34 46 45

THESE 11 STATES PRODUCED 96% OF THE 1988 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

SOYBEANS % BLOOM				SOYBEANS % SETTING PODS				RICE % HEADED				SOYBEANS % DROPPING LEAVES			
	1989	1988	AVG.		1989	1988	AVG.		1989	1988	AVG.		1989	1988	AVG.
ALA	79	83	88	ALA	59	60	68	ARK	85	84	88	ALA	4	5	1
ARK	80	78	87	ARK	57	54	63	CALIF	75	80	80	ARK	0	0	0
GA	95	95	97	GA	82	75	85	LA	96	91	96	GA	2	3	4
ILL	100	100	100	ILL	99	100	99	MISS	92	88	95	ILL	2	7	6
IND	100	100	100	IND	93	95	94	TEX	100	100	100	IND	0	3	6
IOWA	100	100	100	IOWA	100	100	100					IOWA	4	12	4
KANS	96	99	97	KANS	80	90	80					KANS	10	10	10
KY	85	87	90	KY	48	55	55	5 STATES	88	87	91	KY	5	4	4
LA	98	90	95	LA	80	72	84	THESE 5 STATES PRODUCED 97%				LA	0	1	1
MICH	97	100	100	MICH	75	80	90	OF THE 1988 RICE CROP.				MICH	0	0	0
MINN	99	99	99	MINN	96	99	98					MINN	0	21	5
MISS	78	84	90	MISS	55	61	66					MISS	0	0	0
MO	96	99	97	MO	92	90	88					MO	2	4	3
NEBR	100	100	100	NEBR	94	100	97					NEBR	0	3	1
N C	75	81	83	N C	48	47	55					N C	0	0	0
OHIO	96	100	100	OHIO	72	94	98					OHIO	0	0	0
S C	80	89	87	S C	51	53	55					S C	0	0	0
S DAK	100	100	100	S DAK	98	100	91					S DAK	8	25	8
TENN	90	84	93	TENN	64	65	73					TENN	0	6	3
19 STATES	95	96	97	19 STATES	85	88	89	5 STATES	21	17	22	19 STATES	2	7	4
THESE 19 STATES PRODUCED 95%				THESE 19 STATES PRODUCED 95%				THESE 5 STATES PRODUCED 97%				THESE 19 STATES PRODUCED 95%			
OF THE 1988 SOYBEANS CROP.				OF THE 1988 SOYBEANS CROP.				OF THE 1988 RICE CROP.				OF THE 1988 SOYBEANS CROP.			

Crop Condition
PERCENT

GRAIN SORGHUM

STATE	VP	P	F	G	EX
ARK	0	2	14	62	22
ILL	0	0	12	81	7
KANS	6	18	15	41	20
LA	0	14	36	50	0
MISS	0	5	45	45	5
MO	0	6	31	60	3
NEBR	6	42	44	8	0
OKLA	0	0	2	88	10
S DAK	4	37	41	17	1
TENN	1	2	21	68	8
TEX	0	7	21	54	18
11 STATE	3	18	23	43	13
PREV WEEK	7	17	21	46	9
PREV YEAR	1	15	41	37	6

FOR WEEK ENDING AUGUST 27, 1989

RICE

STATE	VP	P	F	G	EX
ARK	0	0	21	70	9
CALIF	0	0	10	75	15
LA	0	0	38	62	0
MISS	0	0	30	60	10
TEX	0	0	33	57	10
5 STATE	0	0	25	67	8
PREV WEEK	0	2	28	62	8
PREV YEAR	0	2	30	62	6

CORN

STATE	VP	P	F	G	EX
COLO	1	4	14	67	14
GA	0	0	7	65	28
ILL	0	8	18	62	12
IND	0	1	10	68	21
IOWA	3	21	52	24	0
KANS	12	3	5	39	41
KY	0	2	3	53	42
MICH	0	5	20	45	30
MINN	2	13	45	33	7
MO	11	21	27	39	2
NEBR	7	15	18	54	6
N C	0	0	10	70	20
OHIO	2	10	33	46	9
PA	2	8	20	45	25
S DAK	5	15	38	37	5
TEX	1	2	11	45	41
WISC	0	1	7	66	26
17 STATE	3	11	27	46	13
PREV WEEK	3	11	27	46	13
PREV YEAR	12	34	36	15	3

SOYBEANS

STATE	VP	P	F	G	EX
ALA	0	1	59	40	0
ARK	2	7	89	2	0
GA	0	3	17	68	12
ILL	0	3	20	70	7
IND	0	1	13	70	16
IOWA	4	15	56	25	0
KANS	8	16	5	30	41
KY	0	0	29	62	9
LA	2	18	52	28	0
MICH	2	6	17	50	25
MINN	5	10	42	37	6
MISS	0	10	85	5	0
MO	2	14	47	34	3
NEBR	9	29	53	9	0
N C	0	0	15	77	8
OHIO	3	11	37	42	7
S C	0	0	15	85	0
S DAK	1	5	36	51	7
TENN	0	9	69	22	0
19 STATE	2	9	42	41	6
PREV WEEK	4	11	37	42	6
PREV YEAR	5	23	52	17	3

COTTON

STATE	VP	P	F	G	EX
ALA	0	3	64	33	0
ARIZ	0	0	0	78	22
ARK	0	12	64	24	0
CALIF	0	0	5	90	5
GA	0	0	22	73	5
LA	0	4	63	33	0
MISS	0	20	45	35	0
MO	0	16	42	42	0
N MEX	0	0	40	40	20
N C	0	0	12	88	0
OKLA	0	20	40	40	0
S C	0	0	6	91	3
TENN	4	2	61	33	0
TEX	0	7	64	26	3
14 STATE	0	7	50	40	3
PREV WEEK	0	8	53	36	3
PREV YEAR	0	3	35	58	4

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

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: Little to no rainfall most areas; 1:00 to 2.00 in. local areas central, extreme south. Temperatures 3 to 5° above normal.

Days suitable for fieldwork 6.4. Soil moisture 69% short, 31% adequate. All crop conditions declined; additional moisture needed most areas. Corn 96% dented, 97% 1988, 99% avg.; 75% mature, 77% 1988, 87% avg.; 45% harvested, 47% 1988, 44% avg.; 10% fair, 56% good, 34% excellent. Cotton 18% bolls opened, 35% 1988, 22% avg.; 3% poor, 64% fair, 33% good. Soybeans 79% blooming, 83% 1988, 88% avg.; 59% setting pods, 60% 1988, 68% avg.; 17% turning color, 13% 1988, 10% avg.; 4% dropping leaves, 5% 1988, 1% avg.; 1% poor, 59% fair, 40% good. Peanuts 4% dug, 1% 1988, 2% avg.; 97% fair, 3% good. Sorghum 32% harvested, 30% 1988, 20% avg.; 33% fair, 67% good. Livestock, pastures good to fair. Primary activities: Harvesting corn, sorghum, peanuts, potatoes; cutting, baling hay; controlling insects, weeds in row crops; applying fungicides to peanuts; planting fall vegetables; monitoring oxygen levels in catfish ponds; routine care of livestock, poultry.

ALASKA: Northern areas of railbelt virtually dry, harvest active while south central areas besieged with record amounts of rainfall. Harvest delayed. High 1° below normal to 7° above normal. Lows 3° to 9° above normal. Seasonal precipitation 0.40 in. below normal at Homer to 8.81 in. above normal Anchorage.

Days suitable for harvest 3.0. Topsoil 20% short, 39% adequate, 41% surplus. Subsoil 20% short, 42% adequate, 38% surplus. 2nd crop hay harvest nearly 20% complete. Barley harvest 30% complete. Commercial potato harvest for early market, seed underway.

ARIZONA: Temperatures 4° below to 1° above normal. Extremes 37°; 105°. Monsoon moisture replaced by drier air; sunny, warm, dry across State; monsoon returned 26th with rain southeast, White Mountains; traces Grand Canyon, Wilcox. Rainfall none to 0.15 in. across State.

Cotton crop good. Moderate defoliation early fields, harvest underway Yuma County. Weeds mostly light; insect, disease infestations light to moderate; pink boll worm treatments applied La Paz, Graham counties. Alfalfa hay good; harvest progress moderate southern areas, active north, central; weeds light to moderate. Insect, disease infestations light; early preparations for renovation of stands continued. Hay, roughage adequate. Corn, sorghum good; corn mature 75%, sorghum heading 100%. Lemon harvest, packing progressed small scale western areas. Planting, irrigation fall lettuce, cauliflower, broccoli west. Raisins shipped central, west; cantaloupe, honeydew harvested, packed in Aguila. Harvesting, packing apples east. Green chilies, white corn, sweet corn, few watermelons harvested east.

ARKANSAS: Very hot, temperatures above normal. Widely scattered showers, rainfall light amounts to few locally heavy amounts. Extremes 64°; 101°. Rainfall none to 3.22 in.

Days suitable for fieldwork 7.0. Soil moisture 94% short, 6% adequate. Rice 7% ripe, 16% 1988, 20% avg. Soybeans 2% yellowing, 2% 1988, 3% avg. Corn 22% harvested, 18% 1988, 37% avg. Sorghum 21% mature, 20% 1988; 3% harvested, 2% 1988, 18% avg. Main activities: Irrigating cotton, soybean

fields; applying insecticides for boll weevil, aphid control on cotton; applying fungicides for blast control on rice; harvesting corn, sorghum, hay; fertilizing pastures; weed, brush clipping; working fallow fields; preparing for rice harvest. Dryland crops becoming severely stressed. Cotton maturing rapidly, few bolls open in southeastern counties. Rice growers draining early maturing fields, applying insecticides. Few fields of rice harvested. Non-irrigated early, late season soybeans moisture stressed. Some very early Group III, IV soybean varieties harvested. Sorghum being harvested, yields above average. Corn yields good. Pasture, meadows deteriorating. Fourteen head of cattle killed by lightning. Poultry producers using vaporizers to prevent heat stress.

CALIFORNIA: High pressure, weakened by cool low pressure, caused cooler temperatures, rain far north. Thunderstorm activity, minimal. Southwesterly flow kept temperatures at or slightly below normal.

Rain early week, north coast slowed field activities 2 to 3 days. Cotton good progress. Earliest fields central received last irrigation. Earliest rice fields turning color. Early dry bean harvest gained momentum. Sunflower harvest began. Safflower, sugarbeet, corn, sudan silage, alfalfa, alfalfa seed harvests active. Early grain corn drying. Pest controls as needed. Apple harvest ongoing. Avocado picking slowed. Figs packed, limited amounts. Table grape harvest active. Drying of grapes for raisins continued. Wine grape harvest gained momentum. Picking freestone peaches, plums, nectarines over 95% completed. Clingstone peach harvest progressed. Asian, Bartlett pear harvests continued. Pomegranate harvest started. Prune harvest underway. Picking grapefruit, non-desert areas. Valencia orange harvest slow. Harvesting of early varieties almonds in full swing. Walnuts treated for pests; last irrigations underway. Broccoli light to moderate supply central coast. Carrot harvest occurring Cuyama Valley. Cauliflower fairly heavy supplies, variable quality. Transplanting fall crop broccoli, cauliflower ongoing west side. Head lettuce supplies fairly heavy Salinas-Santa Maria, variable quality. Transplanting fall crop lettuce active Huron district. Cantaloupe, honeydew, other melon harvests remained active. Sweet potato harvest continued San Joaquin Valley. Strawberries moderate to light supply, variable quality. Livestock good, Statewide. Range, pasture conditions Sacramento, San Joaquin Valley areas very dry, foothills northern counties near normal. Cattle movement off summer grazing areas increased as feed supplies declined. Supplemental feeding continued. Water supplies valley continued decrease, stocks northern counties, foothills holding fair to adequate.

COLORADO: Cool days followed by scattered afternoon thundershowers dominated weather pattern. Temperatures 1° above to 5° below. Precipitation 0.03 to 0.93 in. across State.

Days suitable for fieldwork 5.8. Soil moisture 21% very short, 45% short, 32% adequate, 2% surplus. Alfalfa hay 2nd cutting 80% complete, 3rd cutting 19% complete. Barley 84% harvested. Corn 55% dough, 12% dent. Oats 70% harvested. Dry onions 52% harvested. Dry beans 10% cut.

Sorghum 83% headed, 22% turning color. Spring wheat 52% harvested. Livestock good. Range, pasture fair to good.

FLORIDA: Temperatures 4° above normal, north; 1 to 3° above, Peninsula. Extreme highs upper 90s, north; mid-to-upper 90s Peninsula except for low to mid 90s southeast coast. Extreme lows in low 70s north to low, mid 70s Peninsula. Weekly rain totals varied widely. Many areas Panhandle, Big Bend, some areas central Peninsula 1.00 to 5.00 in. Elsewhere, most totals under 0.50 in. with only isolated spots receiving 1.00 to 2.00 in.

Soil moisture Panhandle mostly adequate; some scattered areas short. Peninsula soil moisture mostly adequate. Corn harvest for grain active. Peanut digging increased. Haying active, weather permitting. Soybeans, cotton good progress. Sugarcane planting increased. Panhandle, northern Peninsula pastures fair to good; central Peninsula fair to excellent; southern Peninsula good to excellent. Cattle good to excellent. Near excellent citrus grove, tree condition. Excellent surface moisture. Abundant new foliage. Early bloom fruit good progress. First fruit picked for 1989-90 season, south Florida red grapefruit. Testing continued other blocks early bloom fruit. Caretakers active controlling cover crops, spraying, fertilizing. Hot days, warm nights, scattered showers over vegetable producing areas. Field preparation active all areas. Planting very active all areas except Homestead. Crops planted include celery, cabbage, cucumbers, eggplant, peppers, squash, tomatoes.

GEORGIA: Temperatures 3 to 6° above normal. High 90s common except mountains highs in 80s. Extremes 61° Blairsville; 103° Albany. Rain varied, under 0.25 to 2.00 in., 4.00 in. Burton Dam, Clio.

Days suitable for fieldwork 6.0. Soil moisture 10% very short, 51% short, 31% adequate, 8% surplus. Corn 43% harvested, 42% 1988, 54% avg.; harvest active. Cotton development slow, spraying for insects. Sorghum grain 3% poor, 18% fair, 60% good, 19% excellent. Peanuts 23% fair, 76% good, 1% excellent; 2% dug, 1% 1988, 4% avg.; 1% threshed, 1% avg.; leafspot control active. Soybean insects increasing. Tobacco 95% harvested, 83% 1988, 89% avg. Apples 71% fair, 29% good; 30% harvested, 44% 1988, 45% avg. Pecans 7% poor, 21% fair, 71% good, 1% excellent. Pasture, hay fair to excellent, good. Cattle, hogs good to excellent.

HAWAII: High pressure system produced moderate trade winds, passing showers. Weather generally favorable for agriculture. Temperatures upper 60s to low 90s, variable winds up to 20 mph. Rainfall none to 1.60 in.

Days suitable for fieldwork 7.0. Papaya production active. Sugar, pineapple harvesting continuous in respective areas.

IDAHO: Temperatures 9° below normal. Heavy rains north, up to 3.00 in. Scattered showers, south.

Days suitable for fieldwork 4.0. Harvest continued across State. Potatoes good, 4% harvested. Grain harvest delayed due to rain, isolated hail, wind, frost damage. Winter wheat 80% harvested, 95% 1988, 80% avg. Spring wheat 56% harvested, 78% 1988, 59% avg. Spring barley 60% harvested, 84% 1988, 61% avg. Oats 58% harvested, 75% 1988, 62% avg. 2nd cutting alfalfa 91% harvested, 98% 1988, 89% avg. 3rd cutting alfalfa 16% harvested, 18% 1988, 8% avg. Dry beans 7% harvested. Onions 11% harvested. Dry peas 90% harvested. Lentils 57% harvested, 91%

1988. Peaches 56% harvested. Hops 12% harvested. Mint 92% harvested. Livestock good. Forage adequate.

ILLINOIS: Temperatures 3 to 6° above normal. Scattered thunderstorms.

Days suitable for fieldwork 4.25. Soil moisture 53% short, 43% adequate, 4% surplus. Soybeans turning color 10%, 22% 1988, 19% avg. Grain sorghum mature 4%, 4% 1988. Alfalfa 3rd crop cut 71%, 75% 1988, 70% avg.; 5% poor, 46% fair, 42% good, 7% excellent. Pasture 6% very poor, 13% poor, 47% fair, 27% good, 7% excellent.

INDIANA: Temperatures 2 to 5° above normal. Lows mid 50s to upper 60s, highs upper 80s to low 90s. Rainfall 0.25 to 6.00 in.

Days suitable for fieldwork 2.7. Topsoil 5% short, 66% adequate, 29% surplus. Subsoil 16% short, 73% adequate, 11% surplus. Corn, soybean good. Soybean 6% turning yellow, 9% 1988, 18% avg. Tobacco 8% harvested, 8% 1988, 18% avg. 1990 winter wheat cropland 27% plowed, 32% 1989, 27% avg. Pasture 2% poor, 22% fair, 65% good, 11% excellent. Most crop conditions, moisture levels improved.

IOWA: Temperatures 1 to 5° above normal. Extremes 49°; 96°. Rainfall 0.20 to 6.66 in., average 1.86 in.

Days suitable for fieldwork 5.0. Topsoil 74% short, 26% adequate. Subsoil 100% short. Corn leaves firing. Rains will help soybean pod filling. Third crop alfalfa 78% harvested, 85% 1988, 59% avg. Hay 9% very poor, 39% poor, 43% fair, 9% good. Livestock good. Pasture 35% very poor, 44% poor, 17% fair, 4% good.

KANSAS: Temperatures low 76° northwest to high 81° south, 1 to 3° above normal elsewhere. Precipitation most areas; low 0.71 in. west central, high 4.01 in. east central, 1.98 in. overall.

Days suitable for fieldwork 3.0. Topsoil 24% short, 63% adequate, 13% surplus. Subsoil 45% short, 53% adequate, 2% surplus. Corn, sorghum, soybean development generally lags behind last year. Rains, mild temperatures this week alleviated moisture stress, helped maintain the overall development of most crops. Insects, disease problems generally light to moderate. Range, pasture adequate most areas. Fourth cutting alfalfa underway.

KENTUCKY: Warm, wet. Daytime highs upper 80s, 2° above mean. Lows around 70°, 7° above normal. Precipitation 1.00 to 2.00 in. across State, 1.00 above mean.

Days suitable for fieldwork 3.0. Soil moisture 2% very short, 11% short, 67% adequate, 20% surplus. Corn good to excellent, 60% denting or beyond. Soybeans fair to good, 48% setting pods or beyond. Rain benefitted soybeans. Tobacco fair to good. Burley 34% cut, 17% 1988, 33% avg. Dark tobacco 38% cut. Some houseburn on tobacco. Hay harvest delayed. Pasture 1% very poor, 8% fair, 55% good, 36% excellent.

LOUISIANA: Temperatures 2 to 3° above normal over north, central sections, near normal elsewhere. Extremes 67°; 97°. Rainfall none to 3.34 in.

Days suitable for fieldwork 5.9. Soil moisture 2% very short, 57% short, 36% adequate, 5% surplus. Corn mature 100%, 97% 1988, 97% avg.; harvested 61%, 38% 1988, 60% avg. Cotton open bolls 6%, 34% 1988, 41% avg.; harvested 0%, 0% 1988, 0% avg.; 4% poor, 63% fair, 33% good. Hay final cutting 37%, 21% 1988, 42% avg. Rice headed 96%, 91% 1988, 96% avg.; ripe 65%, 51% 1988, 67% avg.; harvested 54%, 34% 1988, 51% avg.; 38%

fair, 62% good. Sorghum headed 99%, 95% 1988, 99% avg.; turning color 83%, 65% 1988, 88% avg.; ripe 55%, 34% 1988, 65% avg.; harvested 26%, 11% 1988, 41% avg.; 14% poor, 36% fair, 50% good. Soybeans blooming 98%, 90% 1988, 96% avg.; setting pods 80%, 72% 1988, 84% avg.; leaves turning 4%, 2% 1988, 7% avg.; 2% very poor, 18% poor, 52% fair, 28% good. Sugarcane planted 15%, 8% 1988, 8% avg.; 6% poor, 6% fair, 75% good, 13% excellent. Sweet potatoes harvested 17%, 16% 1988, 27% avg.; 44% fair, 56% good. Vegetables 2% very poor, 16% poor, 60% fair, 22% good. Pasture 2% poor, 16% fair, 80% good, 2% excellent. Livestock 8% fair, 90% good, 2% excellent.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.85 in. Temperatures 75°, normal 74°. Extremes 53°, 93°.

Days suitable for fieldwork 4.7. Topsoil 29% short, 59% adequate, 12% surplus. Subsoil 76% adequate, 24% surplus. Field corn good; dough stage 78%, 86% 1988, 85% avg.; dent stage 53%, 53% 1988, 51% avg.; mature 6%, 11% 1988, 14% avg.; harvested for silage 4%, 14% 1988, 22% avg. Soybeans good; bloomed 86%, 86% 1988, 89% avg.; set pods 67%, 63% 1988, 66% avg. Tobacco fair; bloomed 82%, 91% 1988, 91% avg.; topped 53%, 70% 1988, 70% avg.; harvested 33%, 26% 1988, 39% avg. Pasture good to excellent.

DELAWARE: Precipitation 0.63 in. Temperatures 77°, normal 74°. Extremes 59°, 91°.

Days suitable for fieldwork 5.8. Topsoil 100% adequate. Subsoil 100% adequate. Soybeans good; bloomed 87%, 95% 1988, 93% avg.; set pods 46%, 59% 1988, 66% avg. Field corn good; dough stage 82%, 86% 1988, 90% avg.; dent stage 36%, 57% 1988, 70% avg. Pasture good to excellent. All hay supplies short to adequate.

MICHIGAN: Temperatures 2° below to 2° above normal. Extremes 38°, 86°. Precipitation 0.05 to 1.68 in. across State.

Days suitable for fieldwork 5.0. Soil moisture 25% short, 70% adequate, 5% surplus. Corn 45% dough, 65% 1988, 75% avg.; dent 5%, 25% 1988, 25% avg.; mature 0%, 1% 1988, 2% avg.; 5% poor, 20% fair, 45% good, 30% excellent. Soybeans 97% blooming, 100% 1988, 100% avg.; setting pods 75%, 80% 1988, 90% avg.; dropping leaves 0%, 0% 1988, 0% avg.; 2% very poor, 6% poor, 17% fair, 50% good, 25% excellent. Dry beans 10% turning, 15% 1988, 30% avg.; 1% very poor, 8% poor, 28% fair, 45% good, 18% excellent. Winter wheat 100% harvested, 100% 1988, 100% avg. Major activities: Seeding alfalfa, baling hay, straw, combining oats, preparing ground for fall wheat planting, getting equipment ready for fall harvest. Harvest of pears, peaches, plums, early apples continued. Vegetables were also being harvested.

MINNESOTA: Temperatures 1 to 4° above normal. Extremes 41°, 91°. Precipitation 0.48 to 2.19 in. Greatest weekly total 3.8 in.

Days suitable for fieldwork 5.5. Topsoil 26% very short, 38% short 35% adequate, 1% surplus. Corn 91% in dough, 99% 1988, 83% avg.; 28% denting, 76% 1988, 45% avg.; 0% mature, 12% 1988, 5% avg. Soybeans 99% blooming, 99% 1988, 99% avg.; 96% setting pods, 99% 1988, 98% avg.; 0% dropping leaves, 21% 1988, 5% avg. Sweet Corn 64% harvested, 79% 1988, 63% avg. Potatoes 5% harvested, 13% 1988, 13% avg. Dry Edible Beans 10% harvested, 0% 1988, 0% avg. Winter wheat 11% seeded, 18% 1988, 13% avg. Rye 13% seeded, 30% 1988, 15% avg. Hay, grain 45% tilled, 57% 1988, 37% avg. Grasshopper infestation 24% light, 56% moderate, 20% severe. Corn 2% very poor, 13% poor, 45% fair, 33% good, 7% excellent. Soybeans 5% very poor, 10% poor, 42% fair, 37% good, 6% excellent.

MISSISSIPPI: Hot, dry. Temperatures 3 to 5° above normal. Extremes 64°, 98°. Rainfall under 0.50 in.

Days suitable for fieldwork 6.4, 5.1 1988, 5.3 avg. Soil moisture 5% very short, 70% short, 25% adequate. Corn good; 15% harvest, 7% 1988, 20% avg.; 46% silage harvest, 67% 1988, 71% avg. Cotton fair; 4% open bolls, 24% 1988, 40% avg. Hay 70% harvest, 71% 1988, 76% avg. Peaches 98% harvest, 99% 1988, 98% avg. Rice good; 92% heading, 88% 1988, 95% avg. Sorghum fair to good; 12% harvest, 6% 1988, 19% avg.; 47% silage harvest, 55% 1988, 49% avg. Soybeans fair; 7% turning color, 6% 1988, 12% avg. Sweet potatoes 7% harvest, 9% 1988, 14% avg. Pastures, livestock good. Activities: Irrigating, applying insecticides on cotton, soybeans, haying, harvesting corn, silage.

MISSOURI: Temperatures 3° above normal. Rain widespread, 0.50 in. extreme south, 1.00 in. extreme north, 2.00 to 5.00 in. central.

Days suitable for fieldwork 3.8. Topsoil 49% short, 40% adequate, 11% surplus. Subsoil 66% short, 33% adequate, 1% surplus. Late crops helped by rain, considerable crop northwestern district in poor condition. Corn development varies 12% mature northeast to 67% southeast. Soybeans 90% or more podded all districts except southwest, south central. Sorghum coloring ranges 20% northeast, central to 88% southeast. Alfalfa 3rd cutting 87%, 80% 1988, 83% avg. Pasture 10% very poor, 14% poor, 29% fair, 46% good, 1% excellent. Livestock water supply 18% critically short, 22% short, 60% adequate.

MONTANA: Most areas received precipitation up to 3.85 in. Southern, southeast remained mostly dry. Temperatures across of State 3 to 8° below normal. East 2 to 4° above normal.

Days suitable for fieldwork 4.5. Topsoil 42% short, 45% adequate, 13% surplus. Subsoil 46% short, 47% adequate, 7% surplus. Most shortage in eastern third of State. Spring wheat 5% very poor, 12% poor, 27% fair, 46% good, 10% excellent. Barley 2% very poor, 6% poor, 20% fair, 57% good, 15% excellent; harvested 56%, 81% 1988, 78% avg. Oats 4% very poor, 12% poor, 27% fair, 45% good, 12% excellent; harvested 52%, 81% 1988, 63% avg. Pasture, range feed 2% very poor, 8% poor, 27% fair, 45% good, 18% excellent. Second cutting alfalfa 64% harvested, 87% 1988, 78% avg. Rains in centra, western areas causing quality problems in hay, small grains.

NEBRASKA: Temperatures 1 to 4° above normal. Extremes 46°, 98°. Rainfall a few tenths to 4.00 in. Heaviest south of Platte River.

Days suitable for fieldwork 5.2. Topsoil 45% short, 55% adequate. Subsoil 82% short, 18% adequate. Soybeans 5% turning color, 24% 1988, 10% avg. Sorghum starting to mature in east. Second brood of chinch bugs hurting yield prospects in southeast. Alfalfa hay 6% very poor, 25% poor, 43% fair, 26% good. 75% third cutting, 76% 1988, 64% avg. Dryland of row crops being cut for silage. Rain saved some dryland crops, boosted irrigated crops, maintained plants in native pastures, gave irrigators a rest in some areas. Many remaining dryland crops stunted, yields reduced. Hail in some east central counties caused serious damage to soybeans, stripped stalks in some corn fields. Pasture, range feed supplies 31% very short, 60% short, 9% adequate. Hay, roughage supplies 22% very short, 61% short, 17% adequate. Pastures greened up, remained very short. Cattlemen still feeding hay to supplement pastures. Main activities: Cutting hay, silage; irrigating; preparing machinery for harvest; fertilizing wheat ground.

NEVADA: Started warm, unseasonably cool weather swept in midweek accompanied by thunderstorms. Cold front produced snow higher elevations northeast, mostly gusty winds, no rain south. Extremes 26°; 107°.

Third crop alfalfa hay harvest starting northern area. Melon harvest continuing central area. Cattle, sheep mostly good.

NEW ENGLAND: Precipitation 0.75 to 1.60 in. northern Vermont, 0.50 to 1.00 in. southern Connecticut, Connecticut Valley of Massachusetts, 0.10 to 0.50 in. remainder New England. Extreme 1.61 in. Burlington, Vermont. Temperature upper 50s Canadian border to around 70 south coast; near normal.

Days suitable for fieldwork 6.0. Fieldwork progress 1.5 days behind. Soil moisture north 92% adequate, 8% surplus; south 80% adequate, 20% surplus. Grazing availability 7% short, 93% adequate. Maine potato good; 5% harvested. Maine oat good; 18% harvested, 48% 1988, 18% avg. Field corn good to excellent. Sweet corn good to excellent; 69% harvested, 67% 1988, 63% avg. Shade tobacco 75% harvested; good. Outdoor tobacco 85% harvested; fair to good. Second crop hay 67% cut, 79% 1988, 77% avg.; good to excellent. Apples 8% harvested; fair to good. Peaches 50% harvested; good. Pears good. Raspberry fair to good; harvest complete. Blueberries 90% picked; fair to good. Fruit sizing: Apples medium to large, raspberries medium, blueberries small to medium. Cranberries sizing well, good color. Main farm activities: Haying, vegetable harvest, tobacco harvest, weed, pest control.

NEW JERSEY: Temperatures near normal. Extremes 42°; 91°. Rainfall 0.35 in. north, 0.25 in. central, 0.09 in. south. Heaviest 24-hour total 0.77 in. on 23rd, 24th. Estimated soil moisture percent field capacity averaged 79% north, 59% central, 65% south. Four inch soil temperatures averaged 69° north, 71° central, 73° south.

Days suitable for fieldwork up to 7. Soil moisture adequate to excessive. Late summer vegetable harvest active, declining. Irish potato digging continued. Peach harvest active. Grape, summer apple picking continued. Cranberry prospects continued good. Most field corn in dough stage. Silage making increased. Third cutting of hay progressed. Pasture growth good.

NEW MEXICO: Rain fell Statewide heaviest over south central mountains, eastern plains.

Days suitable for fieldwork 5.1. Soil moisture 42% short, 50% adequate, 8% surplus. Cotton setting bolls, 100%; 12% bolls open; cool, wet weather slowing development; 40% fair, 40% good, 20% excellent. Cattle 40% fair, 40% good, 20% excellent. Sheep 40% fair, 50% good, 10% excellent. Ranges, pastures 20% poor, 50% fair, 25% good, 5% excellent.

NEW YORK: Early week wet, mild. Late week dry, cool. Early morning thundershowers 20th dumped moderate rains from western Mohawk Valley to Champlain Valley. One more batch of showers moved through late 22nd into 23rd. 24th thru weekend, dry, cool. Spots north never got out of 60s despite sunshine. Highs 70s. Nights cool with 40s common. Rainfall highly variable - over 1.00 in. in parts of Champlain Valley, many areas with less than 0.10 in.

Days suitable for fieldwork 5.6. Soil moisture adequate. Pastures fair to good. Hay good. Alfalfa 2nd cutting 78% complete, 82% 1988, 82% avg. 3rd cutting 13% complete, 19% 1988, 21% avg. Corn good. Oats 82% combined, 74% 1988, 74% avg. Onions good. Processing snap bean harvest nearing

completion. Processing sweet corn harvest continues, improved yields. Tree fruit good. Early apple varieties picked on near normal harvest dates.

NORTH CAROLINA: Temperatures above normal. Extremes 52°; 96°. Precipitation 0.03 to 3.88 in.

Days suitable for fieldwork 4.8. Soil moisture 5% short, 65% adequate, 30% surplus. Pasture 1% poor, 8% fair, 84% good, 7% excellent. Livestock feed from pasture 81%. Crop conditions: Tobacco 3% poor, 33% fair, 64% good; sweet potatoes 15% fair, 83% good, 2% excellent; apples 13% poor, 29% fair, 55% good, 3% excellent; truck crop 1% very poor, 3% poor, 31% fair, 62% good, 3% excellent; peanuts 14% fair, 86% good; sorghum 12% fair, 82% good, 6% excellent; hay 1% poor, 12% fair, 82% good, 5% excellent. Hay second cutting 70% complete, third cutting 37% completed. Harvesting completed: Peaches 99%, 94% 1988, 96% avg.; flue cured tobacco 55%, 53% 1988, 52% avg.; burley tobacco less than 5%, 8% 1988, 8% avg.; corn silage 32%, 42% 1988, 36% avg.; apples 7%, 13% 1988, 12% avg. Major activities: Topping, spraying, harvesting tobacco, cutting hay. Other activities: Spraying crops, harvesting peaches, truck crops, corn silage, marketing tobacco, vegetables, peaches, preparing land for small grain planting, tending livestock, general farm maintenance. Excess moisture has adversely affected tobacco, soybeans, vegetables, sweet potatoes, hay.

NORTH DAKOTA: Temperatures 1 to 5° above normal. Precipitation 0.12 in. north central to 0.77 in. east central. State below average for season, -1.09 southeast to -4.11 in. east central.

Days suitable for fieldwork 5.5. Topsoil improved, 13% very short, 56% short, 31% adequate; 5-year average 24% very short, 25% short, 47% adequate, 4% surplus. Subsoil below average, 56% very short, 44% short; average 23% very short, 26% short, 50% adequate, 1% surplus. Small grain harvest ahead of schedule, nearly complete. Rainfall beneficial to sugarbeets, pasture, corn, beans. Row crops still stressed. Sunflower 10% very poor, 24% poor, 50% fair, 16% good; dry edible beans 7%, 55%, 33%, 5%; flax 15%, 31%, 54%, none; potatoes 76% poor, 24% fair. Most row crop progress near average. Sunflower 69% flowers dried or beyond; dry edible beans 42% mature or beyond; flax 25% swathed or combined; potatoes behind average, 8% vines killed or dug, 32% avg. Pasture 13% very poor, 49% poor, 36% fair, 2% good.

OHIO: High temperatures mid to high 80s, near normal. Low temperatures high 50s to low 60s north, high 60s south. Temperatures low to mid 70s, 2 to 3° above normal. Rainfall none northeast to 1.69 in. southwest, with less than 0.25 in. north, over 1.00 in. south.

Days suitable for fieldwork 3.7. Soil moisture 19% short, 65% adequate, 16% surplus. Activities: Baling hay, straw, preparing ground for planting wheat, canola, spraying herbicides on soybeans, clipping pastures, forage seeding, harvesting vegetables. Corn fair to good. Soybeans fair to good, many late-planted stands showed little evidence of setting beans to date. Beetle infestations continued in northern half of State. Hay, pasture fair to good; potatoes good. Peaches in extreme northeast in excellent condition. Southern tobacco affected by blue mold.

OKLAHOMA: Temperatures 2° above normal Panhandle to 7° above normal northeast. Precipitation none central, south central, southeast to 1.22 in. east central.

Days suitable for fieldwork 5.2. Topsoil 15% short, 70% adequate, 15% surplus. Subsoil 10%

short, 90% adequate. Wheat 2% planted, none 1988, 1% avg. Cotton 20% poor, 40% fair, 40% good; 70% setting bolls, 99% 1988, 90% avg.; 1% open bolls, 5% 1988, 1% avg. Hot weather benefitted boll development. Sorghum 2% fair, 88% good, 10% excellent; 75% heading, 80% 1988, 90% avg.; 25% coloring, 50% 1988, 45% avg. Soybeans 50% setting pods, 45% 1988, 60% avg. Peanuts 70% setting pods, 85% 1988, 90% avg. Corn 5% harvest, 10% 1988, 10% avg. Pastures good. Cattle good; prices down from preceding week.

OREGON: Temperatures slightly above normal west, about 3° below normal east. Very wet over most of State. Northeast up to 3.91 in. of rain, more than normal August total; some areas more than June, July, August normal. Most of northeast, extreme east more than 1.00 in. rain, remainder of east 0.33 to 0.50 in. Western areas 0.60 to 0.70 in.; over 1.00 in. along coast range, Cascades. Less than 0.10 in. southwest.

Soil moisture 51% short, 42% adequate, 7% surplus. Barley 66% harvested, 84% 1988, 84% avg. Grain combining, hay curing slowed by rains Columbia Basin Counties, Willamette Valley. Grass seed harvest continued, mainly bentgrass remains west. Hop harvest continued; some wind, range damage Willamette Valley. Early Red clover fields harvested, some clover seeding underway. Rod weeding stopped by rain Wasco County. Bartlett pear harvest underway Hood River Valley; yield below 1988; size, quality good. Bartlett, Asian pears harvested Willamette Valley. Bartlett pear harvest nearly completed Medford; Seckel, Comice harvest starting; all going well. Evergreen blackberry harvest continued Willamette Valley, rain caused more fruit rot; also late blueberry, raspberry, strawberry picking. Cranberry crop continued to show good fruit set, bud development south coast. Potato digging continued Hermiston-Boardman area; also digging for fresh market Malheur County. Sweet corn harvest continued Willamette Valley, Malheur County; also early onion lifting. Snap bean, table beet, broccoli, cauliflower, cucumber harvests continued Willamette Valley. Livestock mostly good to excellent. Range, pasture fair to good, improved by rains most areas.

PENNSYLVANIA: Weather started warm, finished cool, midweek temperatures kept at normal levels. Precipitation below normal with only northwestern areas getting significant amounts. Temperature 69°, same as normal. Extremes 43°; 84°. Precipitation 0.48 in., 0.36 in. below normal.

Days suitable for fieldwork 5.0. Soil moisture 26% short, 72% adequate, 2% surplus. Corn 86% silk, 95% 1988, 98% avg.; 33% dough, 56% 1988, 70% avg.; 6% dent, 12% 1988, 23% avg. Ensilage corn harvested 4% complete, 11% 1988. Corn 2% very poor, 8% poor, 20% fair, 45% good, 25% excellent. Soybean 1% very poor, 5% poor, 21% fair, 50% good, 23% excellent. Oat harvest 89% complete, 94% 1988. Tobacco harvest 25% complete, 30% 1988. Potato harvest 28% complete, 27% 1988. Second cutting alfalfa 79% complete, 92% 1988. Third cutting alfalfa 30% complete, 54% 1988. Fourth cutting alfalfa 5% complete, 16% 1988. Second cutting clover-timothy 60% complete, 79% 1988. Quality of hay made fair to good. Feed from pastures average. Apple harvest 19% complete, 21% 1988. Peach harvest 50% complete, 64% 1988. Fall plowing 21% complete, 23% 1988. Activities: Harvesting hay, haylage, wheat, oats, potatoes, apples, peaches, vegetables, tobacco, fall plowing; controlling weeds, insects; caring for livestock; maintaining machinery; attending fairs.

PUERTO RICO: Rainfall 2.27 in. was 0.54 in. above normal. Rainfall 6.68 in. at Arecibo

Observatory, 6.28 in. at Pico Del Este-Luquillo, 4.79 in. at Adjuntas. San Juan WSFO mean temperature 82° plus 0.2 rainfall 3.55 in. plus 2.15 in. Temperature 80 to 82° on Coasts, 75 to 77° in Interior with Mean Station temperature 84° at San Sebastian to 68° at Pico Del Este-Luquillo. Extremes 54°; 94°.

SOUTH CAROLINA: Rainfall nearly 0.75 in. across State. Temperatures 2 to 4° above normal.

Days suitable for fieldwork 5.4. Soil moisture 31% short, 67% adequate, 2% surplus. Cotton 6% fair, 91% good, 3% excellent; 95% setting bolls, 97% 1988, 99% avg.; 9% open bolls, 8% 1988, 22% avg. Soybeans 15% fair, 85% good; 80% blooming, 89% 1988, 87% avg.; 51% setting pods, 53% 1988, 55% avg.; 3% leaves turning, 3% 1988, 3% avg. Tobacco good; 74% harvested, 70% 1988, 80% avg.; 6% stalks destroyed, 7% 1988, 12% avg. Corn good; 82% matured, 75% 1988, 87% avg.; 18% harvested, 19% 1988, 27% avg. Sorghum good, 19% harvested, 12% 1988, 14% avg. Watermelons good; 90% harvested, 94% 1988, 96% avg. Peaches good, 95% harvested, 94% 1988, 97% avg. Peanuts good; 4% harvested, 1% 1988, 2% avg. Hay, pastures good.

SOUTH DAKOTA: Temperatures 1° below to 7° above normal. Extremes 33°; 102°. Growing season precipitation generally below normal; 2.90 in. above normal to 6.55 in. below normal. Precipitation scattered; maximum 4.50 in.

Days suitable for fieldwork 5.8. Topsoil 47% critically short, 37% short, 15% adequate, 1% surplus. Subsoil 59% critically short, 34% short, 6% adequate, 1% surplus. Corn, soybean good to fair, sorghum fair to poor. Major activities: Working stubble, haying, cutting silage, fencing.

TENNESSEE: High pressure ride over State during week. Weak cold front 24th produced significant rainfall middle, east. Temperatures above normal most areas. Rainfall 2.00 in. middle, east; less than 1.00 in. west.

Days suitable for fieldwork 5.0. Soil moisture 7% very short, 52% short, 37% adequate, 4% surplus. Corn 76% dented, 77% 1988, 83% avg.; 20% mature, 25% 1988, 36% avg.; 24% harvested silage, 27% 1988, 41% avg.; 1% harvested grain, 2% 1988, 3% avg.; 2% poor, 16% fair, 65% good, 17% excellent. Tobacco 84% topped, 77% 1988, 79% avg. Burley 30% harvested, 18% 1988, 32% avg. Dark fired 32% harvested, 22% 1988, 31% avg. Dark air-cured 30% harvested, 22% 1988, 30% avg. Crops responding well to rainfall east, middle. Additional moisture needed west.

TEXAS: Showers common High Plains, Trans-Pecos as surface low pressure troughs interacted with atmospheric moisture. Elsewhere, upper air high pressure squelched rain chances, except late week spotty rains south. Temperatures mild High Plains, hot central. Rainfall below normal High Plains, Trans-Pecos. Temperatures below normal southern High Plains, northern Low Plains. Readings near to slightly above normal elsewhere.

Crops: Corn fields Plains excellent progress. Irrigation needs lessened by light showers. Silage cutting beginning. Harvest moved ahead Blacklands minimal delays, good yields. Harvest winding down Upper Coast, mostly complete other southern, central areas. Corn 60% harvested, 64% 1988, 57% avg. Grain sorghum progress Plains slowed recently with cooler weather; last week's warmer temperatures progress moved ahead, fields beginning turn color. Harvest Low Plains, Cross Timbers continued full swing. Harvest continued Blacklands. Harvest activities winding down central, Upper Coast. Grain sorghum mature 62%, 57% 1988, 60% avg.; harvested 52%, 56% 1988, 55% avg. Cotton various stages of progress Plains;

return of warmer temperatures should improve progress late maturing fields. Boll weevils plague many fields Low Plains, Cross Timbers. Bolls opening rapidly, applying defoliant throughout much Blacklands. Harvest underway southern Blacklands. Harvest continued central. Harvest mostly complete Coastal Bend, Rio Grande Valley. Harvest continued south, Upper Coast. Cotton harvested 10%, 12% 1988, 10% avg. Small grain seeding gaining momentum High Plains, land preparations continued Low Plains, other areas. Wheat planted 3%, 3% 1988, 2% avg. Rice harvest continued Upper Coast. Yields good. Peanut harvest underway some early fields south. Irrigated fields look good; dryland fields stressed for moisture. Irrigated fields Cross Timbers look good; dryland fields show signs of moisture stress. Soybean harvest moved ahead northeast, later varieties drying down. Fields High Plains good progress. Irrigation continued some fields. Later varieties nearing harvest Upper Coast. Other crops: Peanuts harvested 8%, 1% 1988, 2% avg. Soybeans harvested 1%, 6% 1988, 3% avg.

Commercial Vegetables: Rio Grande Valley, peppers, tomatoes good progress. Lettuce, celery planting continued. East Texas, sweet potato harvest continued. Few watermelons remain for harvest. High Plains, carrot harvest continued, onion, potato harvest about over. Other vegetables being harvested. Trans-Pecos, rainfall could help late season cantaloupes, other vegetables. Pecans suffer from insects, dry weather some portions. August drop above normal drier areas. Nuts in final stages maturing south.

Range and Livestock: Ranges, pastures Trans-Pecos, south responding to rain. However, these areas need more moisture. Good amounts may be made east. Grasses Plains improving. Parts Valley, Coastal Bend remained parched. Producers continued work sheep, goats Hill Country. Cattle good condition most State.

UTAH: Temperatures 5° below normal in southern half, 2° below normal in northern half. Precipitation light in northwestern, southeastern third. Moderate to heavy for rest of State.

Days suitable for fieldwork 6.5. Soil moisture 100% short. Field preparation, fall seeding underway. Winter wheat seeded 7%, 1% 1988, 7% avg. Fall harvest winding down. Barley 90% harvested, 97% 1988, 87% avg. Spring wheat 90% harvested, 96% 1988, 82% avg. Oats for grain harvest 71% completed, 80% 1988, 74% avg. Alfalfa hay third cutting 36% completed, 36% 1988, 19% avg. Water shortage precluded third cutting alfalfa some areas. Corn in dough stage 56%, 59% 1988, 61% avg. Peach crop 30% picked, 22% 1988, 26% avg. High winds damaged peaches Box Elder County. Range, pasture feed supply very short. Non-irrigated pastures burning up.

VIRGINIA: Above normal temperatures, above normal precipitation. Temperatures mid to upper 70s. Rainfall 0.25 to 0.75 in. above normal.

Days suitable for fieldwork 2.5. Topsoil 53% adequate, 47% surplus. Corn 4% fair, 47% good, 49% excellent; 56% dented, 41% 1988, 50% avg.; 25% mature, 22% 1988, 33% avg. Grain corn harvest just beginning. Soybeans 10% fair, 41% good, 49% excellent; 65% setting pods, 46% 1988, 54% avg. All tobacco 10% poor, 11% fair, 53% good, 26% excellent. Flue-cured harvested 37%, 30% 1988, 33% avg. Burley tobacco harvested 2%, 2% 1988, 4%

avg. Peanuts 25% fair, 75% good. Alfalfa 5% poor, 5% fair, 43% good, 47% excellent. Pastures 3% fair, 40% good, 57% excellent.

WASHINGTON: Temperatures 8° below normal to 3° above normal, east; 6° below normal to 3° above normal, west. Precipitation none to 2.84 in., east; 0.61 to 2.58 in., west.

Days suitable for fieldwork 5.3. Soil moisture 45% short, 55% adequate. Range, pasture 22% short, 78% adequate. Hay, other roughage 5% short, 85% adequate, 10% surplus. Cereal grain harvest continued. Rains hampered the progress during the week. Winter wheat harvested 87%, 95% 1988, 94% avg. Spring wheat harvested 85%, 90% 1988, 89% avg. Barley harvested 82%, 95% 1988, 93% avg. Other crops harvested: Potato 17%, 23% 1988, 21% avg.; third cutting alfalfa hay 60%, 49% 1988, 53% avg. Major activities: Cutting hay, irrigation, harvest of apples, peaches, pears, blueberries, vegetable seeds, green peas, carrots, watermelons, sweet corn, dry peas, dry beans, mint, lentils, hops.

WEST VIRGINIA: Temperature 2 to 5° above normal. Extremes 57°; 90°. Precipitation 1.64 in.; 0.80 in. above normal.

Days suitable for fieldwork 1.8. Soil moisture 8% short, 29% adequate, 63% surplus. Corn excellent to good; 89% silked, 33% dough stage. Oats fair to good; 81% harvested. Tobacco fair to very poor; 64% topped. Apples fair. Peaches poor. Hay good to fair; 1st cut 93% complete, 2nd cut 45% complete. Farm activities: Topping tobacco, hay harvest, clipping pastures.

WISCONSIN: Temperature 67°, 1° above normal. Extremes 40°; 91°. Precipitation 0.40 to 1.40 in.

Days suitable for fieldwork 5.1. Soil moisture 34% short, 63% adequate, 3% surplus. Pasture 75% of normal, 44% 1988, 73% avg. General condition of crops 1% poor, 13% fair, 79% good, 7% excellent. Soybean 7% fair, 77% good, 16% excellent. Soybeans 5% turned, 15% 1988, 0% avg. Corn 1% poor, 7% fair, 66% good, 26% excellent; dough 59%, 83% 1988, 72% avg.; dent 13%, 55% 1988, 35% avg. Oats 90% harvested, 92% 1988, 91% avg. Second cut hay 89% completed, 90% 1988, 89% avg. Third cut hay 19% completed, 39% 1988, 30% avg.

WYOMING: Temperatures above normal east, below normal west. Precipitation generally below normal.

Days suitable for fieldwork 7.0. Topsoil 80% short, 20% adequate. Winter wheat harvest windup stages. Barley 20% mature, 15% 1988, 20% avg.; 80% harvested, 85% 1988, 80% avg. Spring wheat 10% mature, 10% 1988, 20% avg.; 90% harvested, 90% 1988, 80% avg. Oats 20% mature, 25% 1988, 35% avg.; 80% harvested, 75% 1988, 65% avg. Dry beans 40% leaves turning color, 70% 1988, 70% avg.; small amount windrowed, 30% 1988, 20% avg.; 0% combined, 5% 1988, 5% avg. Corn 55% milk, 40% 1988, 45% avg.; 35% dough, 45% 1988, 30% avg.; 10% dented, 10% 1988, 15% avg.; 0% mature, small amount 1988, 5% avg. 1990 winter wheat 5% seeded, 5% 1988, 15% avg. Alfalfa second-cutting 75% complete, 85% 1988, 80% avg. Other hays 95% harvested, 95% 1988, 90% avg. Current range pasture 25% poor, 45% fair, 25% good. Fall grazing prospects 35% poor, 45% fair, 20% good, 90% livestock feed now obtained from pastures. Hay, roughage supplies for remainder of feeding season 20% very short, 45% short, 35% adequate.

International Weather and Crop Summary

August 20-26, 1989

HIGHLIGHTS

USSR ... In Western USSR, showers slow fieldwork in the north, while mostly dry weather promotes harvesting in the south. In the New Lands, periodic light showers and cooler weather slow crop maturation and early harvesting.

EUROPE ... Hot and dry weather continues to stress late season crops across sections of the south. Rain and cooler temperatures cover the north.

SOUTH ASIA ... Showers continue over much of the northwest, but dry pockets and hot weather persist across northern India and Pakistan.

EASTERN ASIA ... Tropical Storm Roger brings heavy rain and wind to sections of eastern China and southern Japan. Heavy rain helps alleviate dryness in southern China.

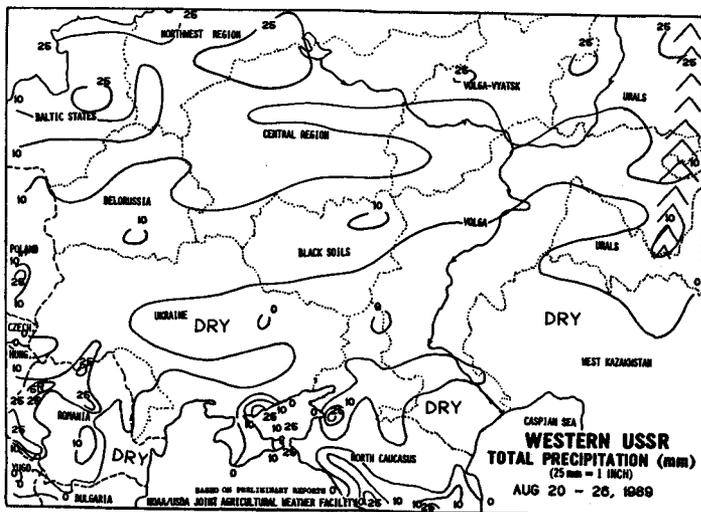
SOUTHEAST ASIA ... Widespread rain covers Thailand's rainfed rice areas, although dry pockets persist in the north.

SOUTH AMERICA ... Rain favors wheat growth and improves soil recharge throughout most of Argentina, Uruguay, and southern Brazil.

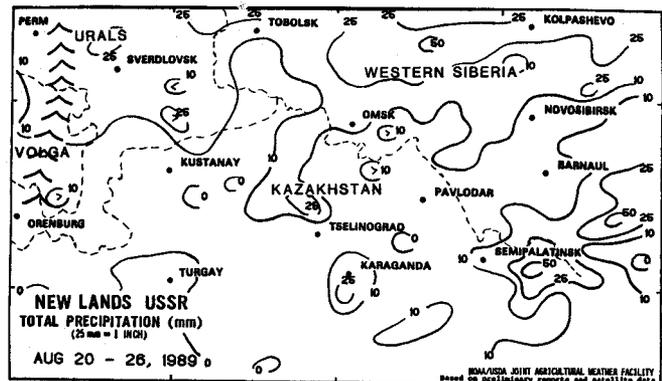
AUSTRALIA ... Rain continues across southern winter grain areas.

CANADA ... Rain hampers spring wheat harvesting in southern Saskatchewan.

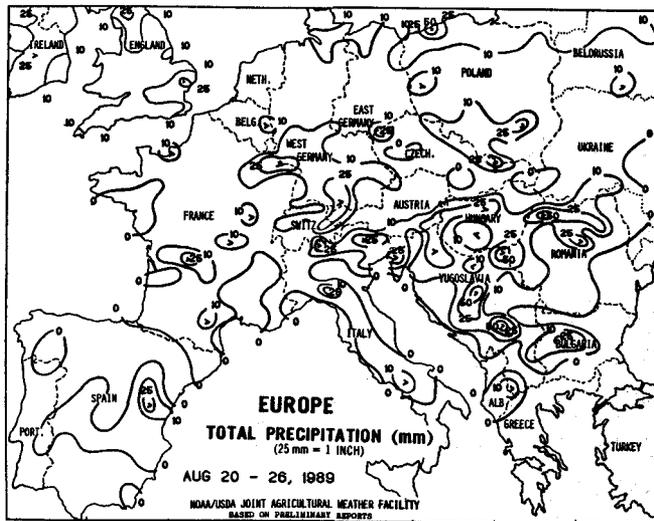
MEXICO ... Daily showers over the Southern Plateau help immature corn but slow early harvesting. Hurricane Kiko heads for Baja, California.



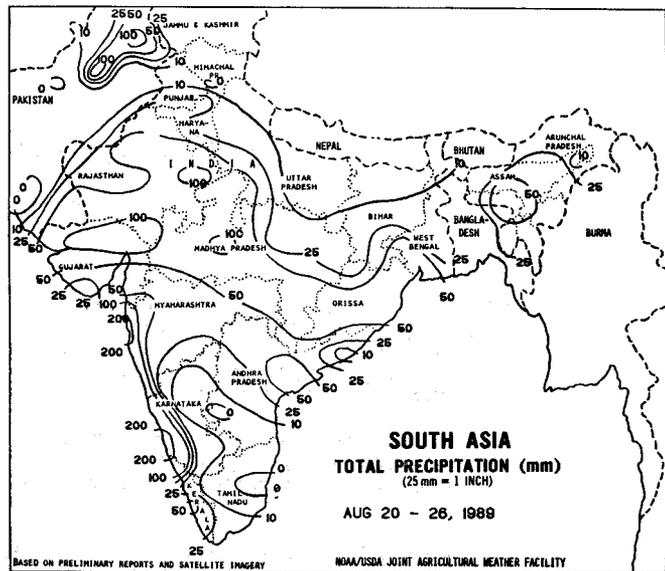
USSR ... In Western USSR, light to moderate showers (10-29mm) across the north dampened topsoils in preparation for the upcoming winter grain planting season. The periodic showers slowed late harvesting, however. Mostly dry weather across the south favored rapid harvest progress in much of the Ukraine, North Caucasus, Black Soils Region, and the Volga Valley. Midweek, scattered showers in the Ukraine helped filling corn, but coverage was not widespread and amounts were highly variable. Dry weather returned during the latter part of the week, although another band of light showers (1-7mm) spread into the northwestern Ukraine at week's end.



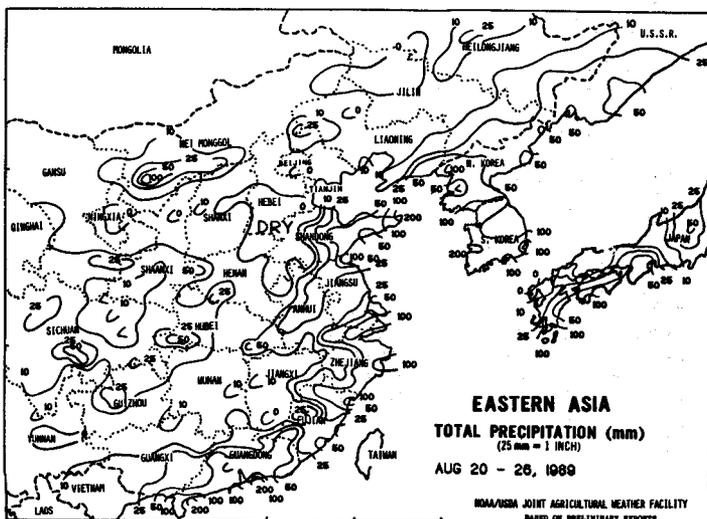
In the New Lands, a series of cool fronts pushed across the region spreading rain over most crop areas throughout the week. The heaviest rain (10-25mm, with isolated amounts in excess of 50mm) fell in the north. Rainfall averaged mostly less than 10mm across the south. Several days of showery weather helped immature spring grains, especially in the east where dryness has hampered development. Dampness over most of the region, however, slowed crop maturation and delayed early harvesting. High temperatures averaged 13-17 degrees Celsius (C), following the passage of the cool fronts over the Urals, the western portion of Western Siberia, and extreme northwestern Kazakhstan.



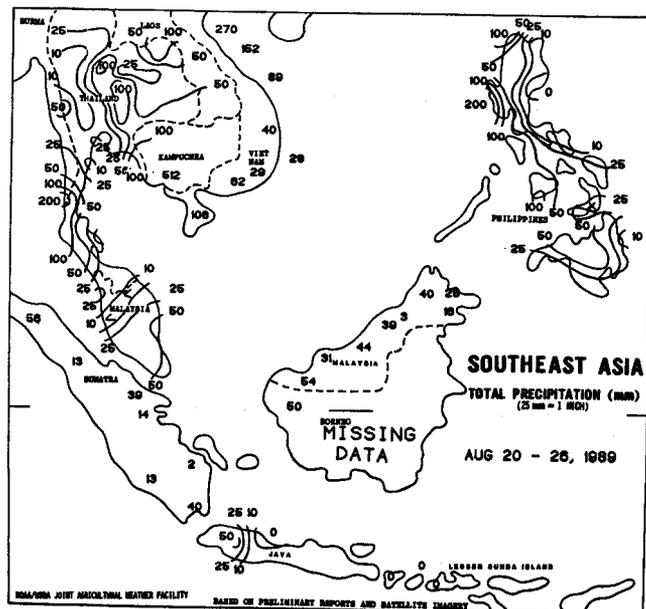
EUROPE ... Mostly dry and unseasonably warm weather continued early in the week across the north, favoring late harvest of winter grains. A frontal system brought scattered showers and cooler temperatures to much of the region on the 22nd and 23rd. By week's end, a second frontal system brought wind and widespread light to moderate rain (5-20mm, with scattered amounts greater than 25mm) from Ireland eastward to Poland. In the east, heavy rains (20-40mm, with isolated rainfall in excess of 50mm) favored late maturing grains and oilseeds in sections of Hungary, eastern Yugoslavia, and western Romania. Stressful, hot and dry weather (maximum temperatures from 31 to 35 degrees C) continued, however, over crop areas of southern Romania and much of Bulgaria. Below-normal rainfall has persisted over much of the lower Danube Valley since early July. In the southwest, dry and hot weather (maximum temperatures from 36 to 41 degrees C) continued across much of Spain, stressing fruit and vegetable crops.



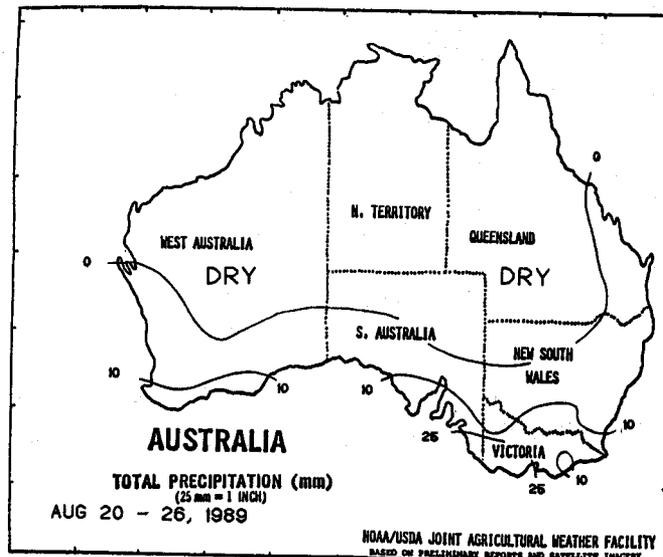
SOUTH ASIA ... Beneficial rain (50-100mm or more) and seasonable temperatures continued for the second week from Gujarat and western Maharashtra to eastern Rajasthan and northwestern Madhya Pradesh, improving conditions for reproductive to filling summer crops. The rains finally reached portions of western Gujarat that had received only minimal rain the past 3 weeks. Scattered, generally light showers (1-25mm) fell over the northern growing regions from northern Pakistan to northern Bihar, although local pockets of heavy rain (100mm or more) likely caused some flooding in Pakistan. Recurring periods of hot weather across the north stressed immature crops. Scattered showers (50-100mm or more) fell from central Madhya Pradesh to Orissa, but elsewhere, rainfall was generally below normal over all but the coastal regions of southern and eastern India. Hot weather persisted in the southeast from Tamil Nadu to southeastern Andhra Pradesh. Summer crops are reproductive to filling across South Asia.



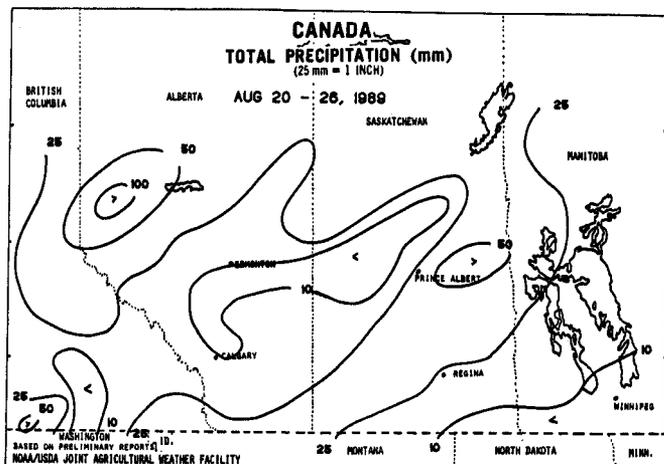
EASTERN ASIA ... A slow moving tropical depression brought very heavy rain (50-100mm, with scattered amounts in excess of 100mm) and localized flooding to sections of eastern Zhejiang and southeastern Jiangsu, slowing maturation of single crop rice. The depression moved northeastward and strengthened, becoming Tropical Storm Roger on the 25th. The storm brushed Japan's Shikoku Island with strong winds and heavy rains (40-109mm) on the 26th before making landfall in southern Honshu on the 27th. Heavy rain (25-75mm, with scattered rainfall in excess of 100mm) also fell over northwestern Chinese crop areas, much of South Korea, and eastern Shandong, benefiting late summer crops but causing isolated flooding, especially in southern South Korea. In the south, heavy rain (50-100mm) helped alleviate moisture stress in much of Guangdong and western Fujian. Water stress persisted, however, in sections of Guangxi, Guizhou, southern Hubei, and Jiangxi, due to continued warm and mostly dry weather.



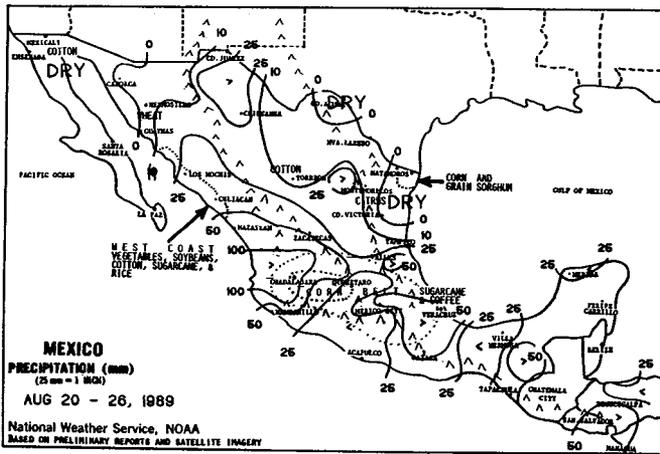
SOUTHEAST ASIA ... Widespread, beneficial showers (30-100mm or more) covered the primary rainfed rice areas of central and eastern Thailand, benefiting immature crops and boosting irrigation reserves for secondary plantings but causing some local flooding. Dry pockets persisted, however, over Thailand's Northern Hills region and returned to the western corn belt, with highs over the western corn belt and local areas of the north frequently reaching the middle 30's C. Due to a highly variable planting schedule, main season rice in the north and northeast ranges from the vegetative to filling stages of development. In the Philippines, moderate rain (25-50mm or more) continued over the western half of the islands. Excessive rainfall (235-272mm) was limited to local areas of southwestern Luzon.



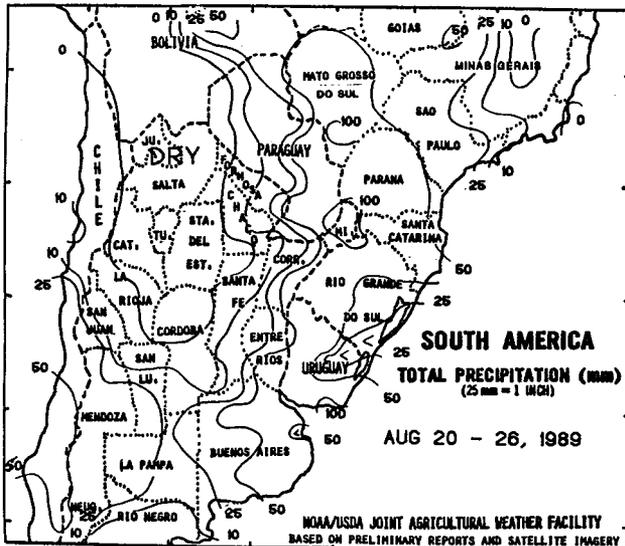
AUSTRALIA ... Light to moderate rain (5-15mm) continued in southern winter grain areas of Western Australia, maintaining mostly favorable soil moisture levels. Moderate to heavy seasonal rain (10-40mm, with isolated rainfall in excess of 40mm) fell across crop areas of southwestern South Australia, Victoria, and southern New South Wales due to a slow moving frontal system. Cool air behind the front caused scattered frost in central sections New South Wales, keeping most winter grains in semidormancy. Warmer temperatures (maximum temperatures from 20 to 24 degrees C) likely allowed some early vegetative growth of winter grains in Queensland. In the northeast, scattered mostly light showers (less than 10mm) caused only minor delays in sugarcane harvest.



CANADA ... Widespread rain covered most Prairie growing regions, benefiting immature grains and oilseeds but causing harvest delays across southern Saskatchewan. Heaviest rain (25-61mm) fell later in the week from southern Alberta and southwestern Saskatchewan to northeastern Saskatchewan, creating unfavorable cool, wet conditions across the south for mature spring wheat. Local heavy thunderstorms and high winds in the south associated with the frontal system that brought the rain suggest some lodging may have occurred. Heavy rain (56-106mm) also fell in Alberta's Peace River Valley, possibly causing some damage. Periods of dry and warmer-than-normal weather in southeastern Saskatchewan and Manitoba helped dry fields, following last week's unfavorably wet weather.



MEXICO ... Showers fell over the Southern Plateau corn belt each day of the week, providing favorable moisture for immature corn but slowing early harvesting. Weekly rainfall averaged 50-197mm in the west, 15-25mm in the center, and 25-95mm in the east. Periodic showers (10-30mm) in western portions of the north-central region were likely too late to benefit maturing cotton, but the moisture helped rangeland growth for grazing. Beneficial showers (20-50mm or more) also fell along the west coast farming region, helping development of soybeans, peanuts, and other crops. A tropical disturbance developed midweek off Mexico's west coast and intensified by week's end into Hurricane Kiko. The storm moved northwestward off the coast until just after the reporting period when it hit the southern tip of Baja, California.



SOUTH AMERICA ... In Argentina, early-week rain (25-50mm, with scattered amounts in excess of 100mm) continued to moisten soils over southern and eastern wheat areas. Recent moisture has promoted favorable conditions for emerging wheat in Buenos Aires, La Pampa, and extreme southern portions of Cordoba and Santa Fe. Topsoil moisture is limited in northernmost wheat areas, but except for an earlier episode of unusually warm weather, recent seasonably cool temperatures kept soil moisture loss at a low rate. Warmer weather during the next few weeks will increase the rate of evaporation as spring crop planting gets underway. Soaking rain (50-100mm or more) in Uruguay, southern Paraguay, and southern Brazil improved moisture conditions for wheat growth and soil recharge for summer crop planting. Scattered showers (10-36mm) spread northward into Brazil's coffee areas, helping early flowering.

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