

WEEKLY WEATHER AND CROP BULLETIN

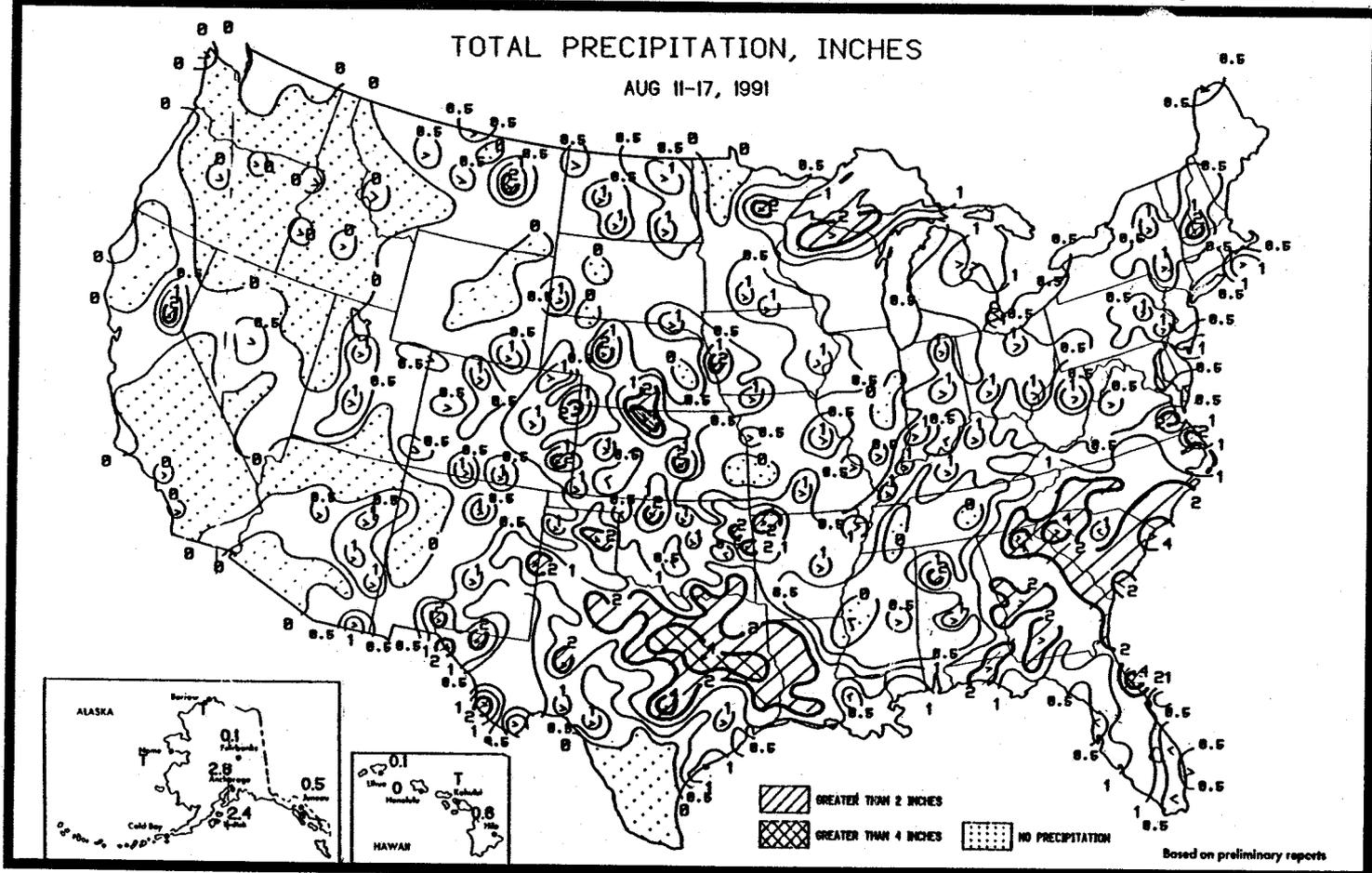
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HIGHLIGHTS

August 11 - 17, 1991

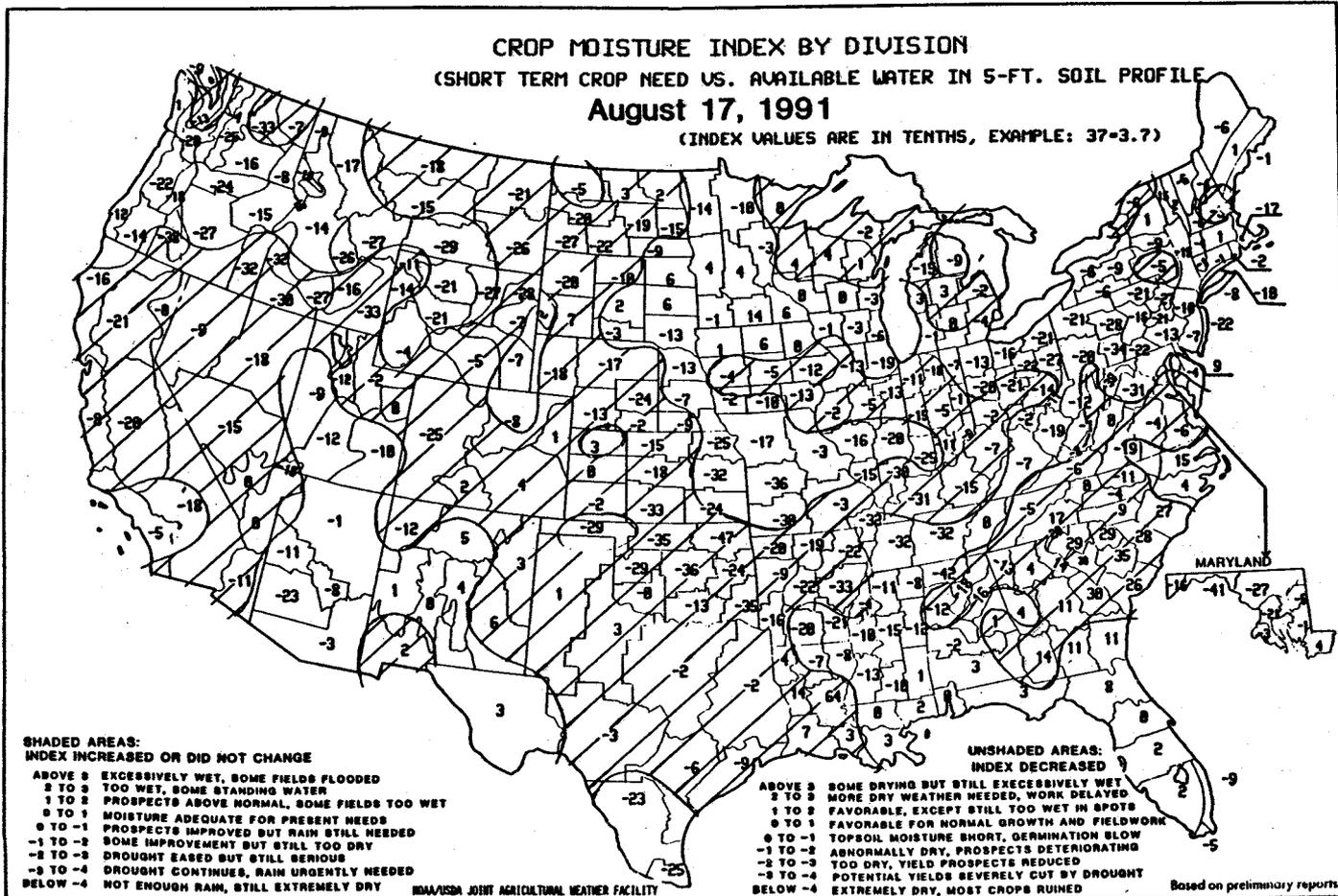
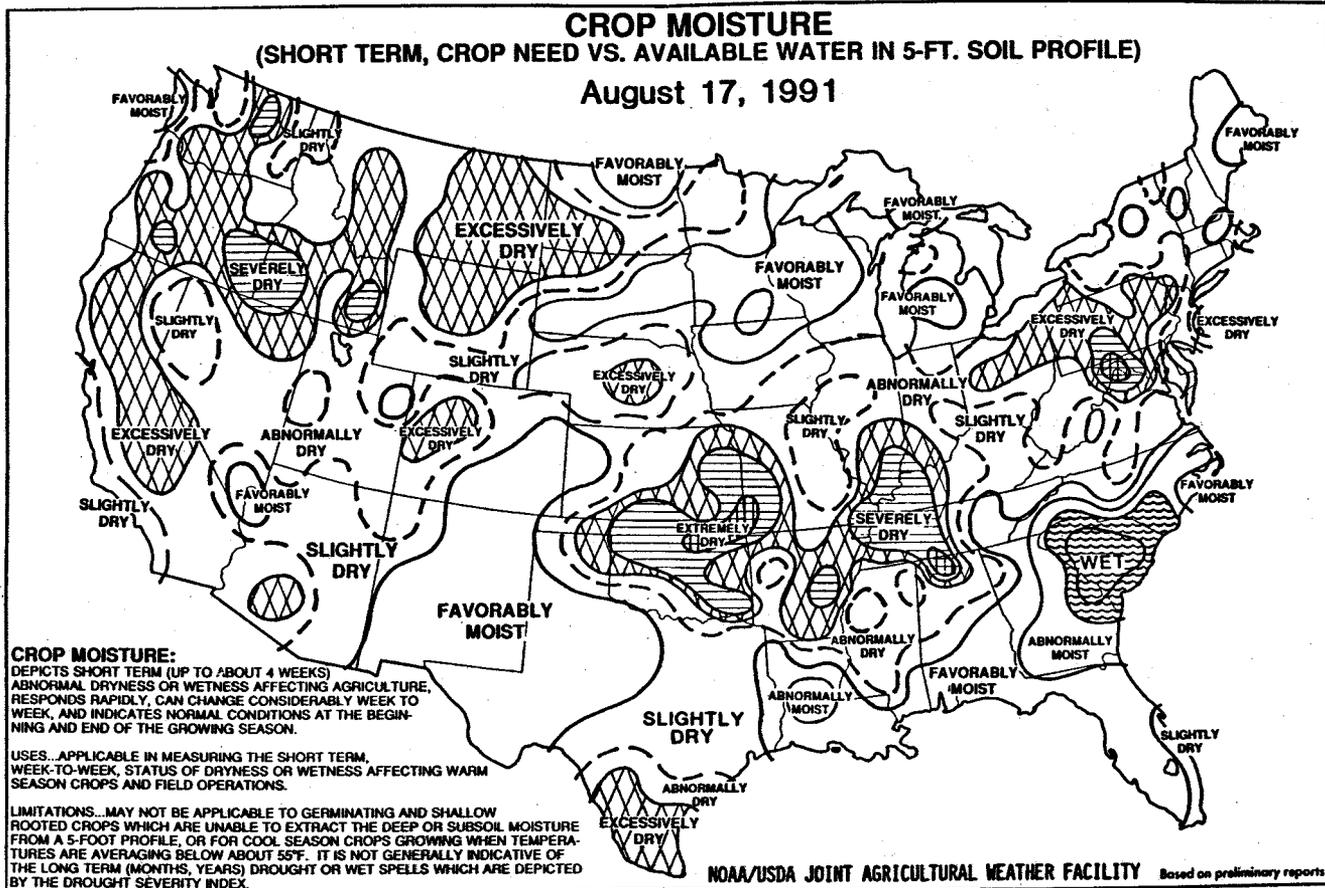
Thunderstorms fired along a stalled frontal boundary until midweek, dumping copious rain from the **Southeast** to the **southern Plains**. The remnants of the east Pacific Tropical Storm Hilda combined with a Canadian cold front to spread rain from **California** to the **Corn Belt**. By week's end, the season's first Atlantic hurricane, Bob, churned northward along the coast.

Early-week downpours dropped up to 6 inches of rain and caused flooding in **northern Texas** and **northern South Carolina**. Other storms frequently assailed the **Rockies**, **Gulf Coast States**, and the **Southeast**. Isolated flash floods plagued the **Southwest**. Moisture from the remains of Hilda reached **San Francisco, CA**, on Wednesday, producing almost one-third of an inch of rain. Heavy rain gradually abated from **Texas** to the **Carolinas**. After midweek, a new cold front took form in the **northern Plains** and pressed southeastward, igniting storms throughout the **central and northern Plains** and the

Rockies. By late in the week, the front curved from **Michigan** to **Oklahoma**, generating numerous thunderstorms. Warm weather prevailed during the week along the **Canadian border** and in much of the **West**, but clouds and rain suppressed temperatures in the **southern Plains** and the **Southeast**. Cooler air filtered into the **northern Plains** at week's end. On Saturday, Bob was upgraded to a hurricane as it strengthened south of **Cape Hatteras, NC**.

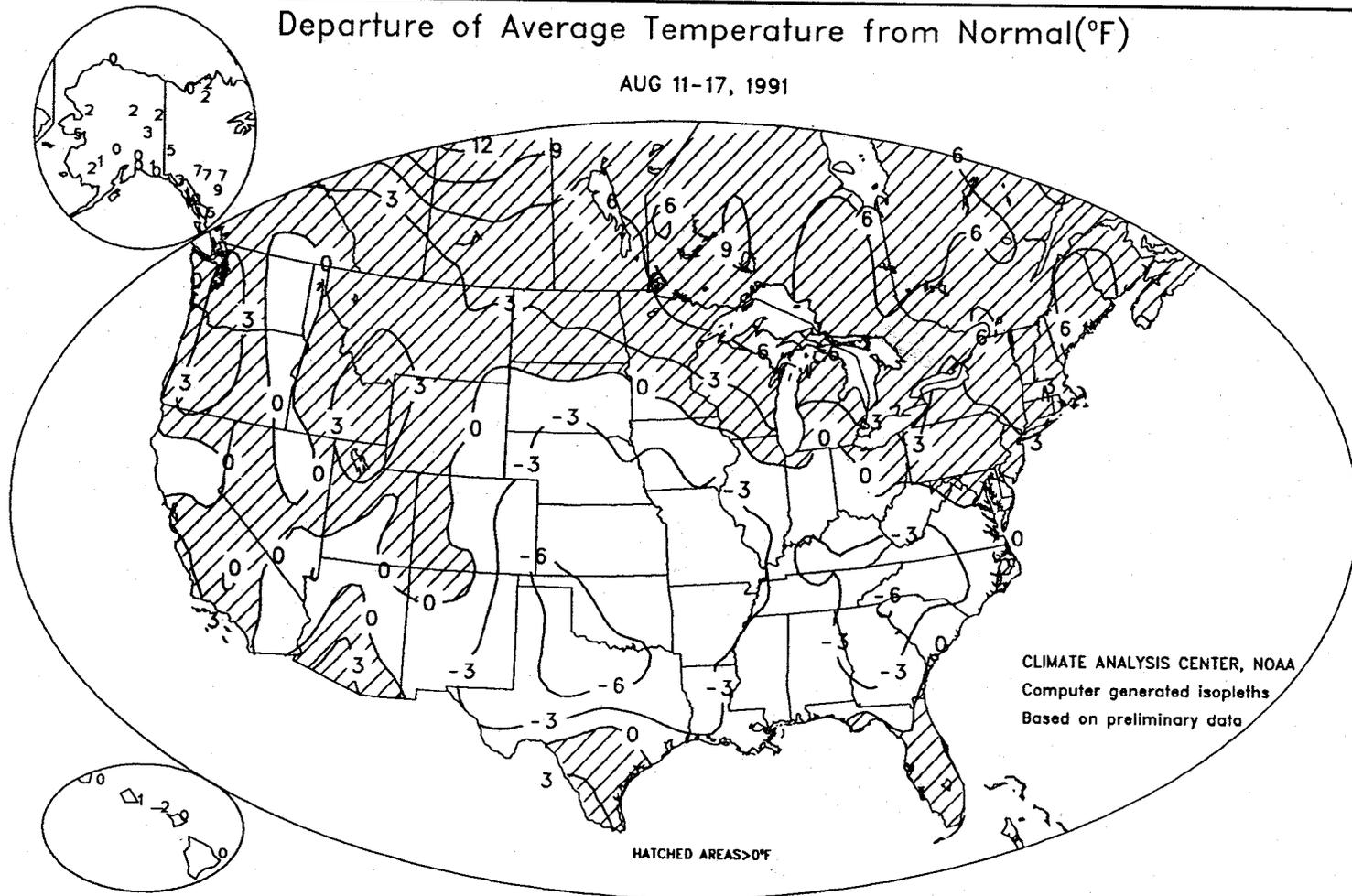
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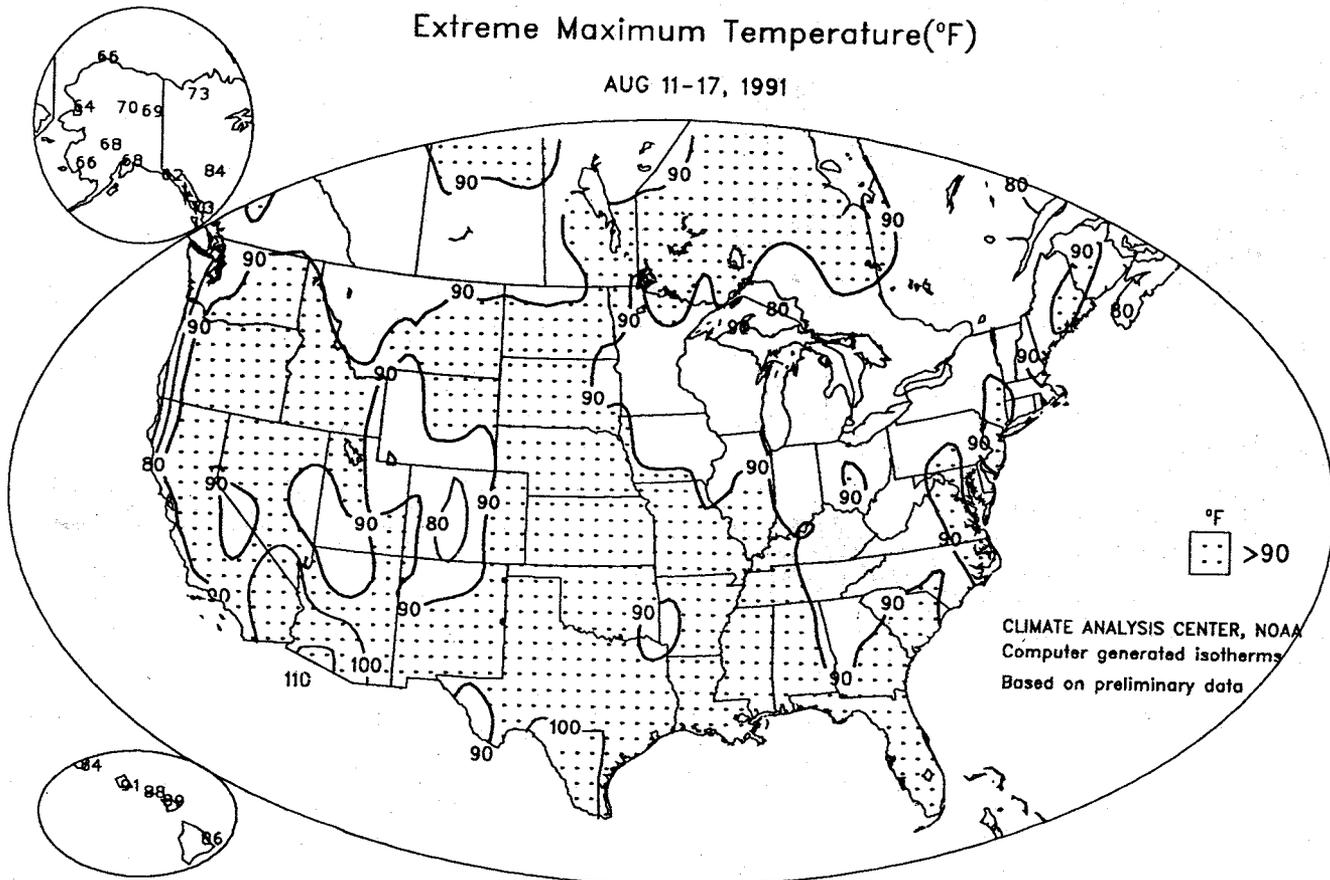
Departure of Average Temperature from Normal(°F)

AUG 11-17, 1991



Extreme Maximum Temperature(°F)

AUG 11-17, 1991



Hurricane Bob Strikes New England

New England bore the brunt of Hurricane Bob as it crashed ashore during the afternoon of Monday, August 19. Bob's center grazed eastern Long Island, NY, and Block Island, RI, before tearing into Narragansett Bay, southeast of Providence, RI, packing 110 mph sustained winds. Torrential rain accompanied the system, causing widespread flooding from southeastern New York to Maine.

Prior to striking New England, Bob skirted Cape Hatteras, NC, on Sunday night, passing 40 miles to the east, and causing wind gusts to 74 mph. Rainfall at Cape Hatteras topped 5 inches. On Monday morning, as the storm accelerated north-

northeastward, coastal New Jersey was buffeted by gusty northerly winds and heavy rain (see fig. 1 for August 19, 7 a.m. EDT satellite position). But it was Block Island that first felt the full force of the hurricane's powerful northeastern quadrant. Wind gusts reportedly reached 120 mph before the storm's eye brought a temporary calm at 12:30 p.m. EDT. The storm center passed just east of Providence, RI, before bearing down on Boston, MA, and Portland, ME (see fig. 2 for complete storm track). Portland reported a storm total of 7.83 inches of rain. By late Monday, Bob was downgraded to a tropical storm with 70 mph winds as its center approached Bangor, ME.

Figure 1 0701EDT 19 AUG 91

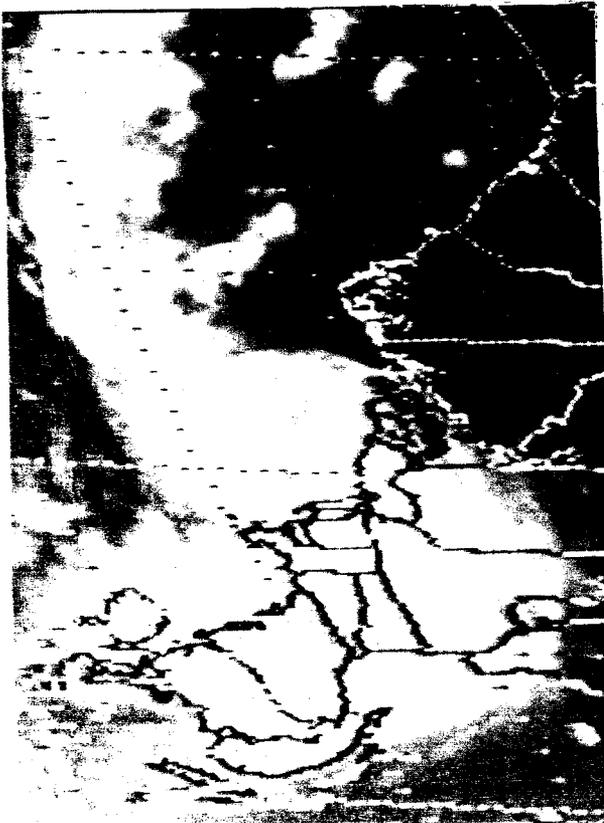
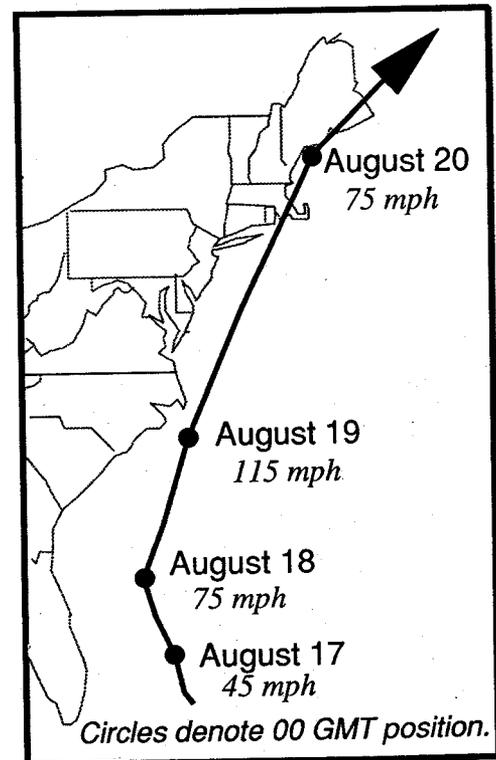


Figure 2



National Weather Data for Selected Cities

Weather Data for the Week Ending August 17, 1991

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	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	69	93	66	79	-1	.2	-.7	.2	12.0	108	38.2	103	95	48	3	0	2	0	
MOBILE	89	72	93	71	80	-2	1.1	-.4	1.0	17.6	106	67.3	156	97	54	2	0	2	1	
MONTCOMERY	89	69	93	67	79	-2	.1	-.6	.1	12.0	121	49.7	151	99	51	4	0	1	0	
AK ANCHORAGE	43	52	68	48	58	-1	2.8	2.3	1.5	6.2	148	8.2	108	96	62	0	0	7	2	
BARRROW	46	30	66	27	38	-1	T	-.2	T	.5	27	.9	34	97	80	0	7	0	0	
FAIRBANKS	70	50	73	44	60	3	.1	-.3	.1	2.1	50	5.8	91	94	48	0	0	2	0	
JUNEAU	67	51	72	40	59	4	.7	-.4	.4	11.2	116	35.4	133	93	67	0	0	3	0	
KODIAK	58	50	63	47	54	-1	2.4	1.4	1.5	13.8	136	53.0	157	99	75	0	0	6	2	
NOME	63	48	67	43	56	5	T	-.7	T	5.4	108	8.5	107	93	67	0	0	0	0	
AZ PHOENIX	104	83	108	74	94	3	T	-.2	T	.2	14	3.4	88	53	18	7	0	1	0	
PRESCOTT	86	60	92	57	73	2	.2	-.6	.2	2.1	37	8.3	71	78	36	2	0	1	0	
TUCSON	100	72	104	68	86	2	.2	-.3	.2	2.0	52	5.5	85	76	22	7	0	1	0	
YUMA	106	82	108	78	94	1	T	-.1	T	0	1.8	146	52	18	7	0	0	0	0	
AR FORT SMITH	89	66	94	62	78	-4	1.1	-.4	.6	5.9	70	23.6	93	94	46	5	0	2	1	
LITTLE ROCK	89	68	92	64	79	-3	.7	-.1	.7	7.3	83	32.7	102	82	50	3	0	1	1	
CA BAKERSFIELD	93	70	102	67	82	-1	T	-.0	T	0	4.6	118	68	34	5	0	0	0	0	
EUREKA	61	53	63	52	57	0	T	-.1	T	1.4	180	17.5	78	97	83	0	0	1	0	
FRESNO	93	69	101	65	81	2	T	-.0	T	0	8.5	121	72	32	5	0	0	0	0	
LOS ANGELES	79	66	94	64	72	2	T	-.0	T	.2	283	8.0	96	86	56	1	0	0	0	
REDDING	97	62	102	60	79	-2	.0	-.1	.0	.1	11	17.3	69	61	21	6	0	0	0	
SACRAMENTO	90	61	97	55	75	1	.1	-.1	.1	2.5	>1000	12.7	119	85	29	5	0	1	0	
SAN DIEGO	77	66	90	65	71	-1	T	-.0	T	.3	250	10.8	175	93	65	1	0	0	0	
SAN FRANCISCO	73	58	89	56	66	3	.3	-.3	.2	.4	317	11.3	91	93	58	0	0	2	0	
CO DENVER	84	57	90	53	70	-2	.1	-.3	.0	8.7	199	14.6	134	86	35	1	0	4	0	
GRAND JUNCTION	91	64	94	61	77	1	.1	-.1	.1	1.2	86	4.0	86	63	23	0	0	1	0	
PUEBLO	86	59	95	55	72	-3	.6	-.2	.6	6.6	163	9.0	117	96	40	2	0	1	1	
CT BRIDGEPORT	85	67	90	63	76	3	.2	-.6	.2	6.9	82	22.6	88	86	50	0	0	0	0	
HARTFORD	87	63	91	59	75	3	.1	-.8	.1	7.9	92	25.3	95	97	46	3	0	1	0	
DC WASHINGTON	88	69	91	67	79	1	T	-1.0	T	6.5	67	17.6	71	90	44	2	0	1	0	
FL APALACHICOLA	89	75	92	73	82	0	.9	-.8	.5	24.6	155	80.6	242	97	64	3	0	3	1	
DAYTONA BEACH	93	73	96	70	83	2	4.4	3.0	2.7	30.7	201	55.1	188	96	54	5	0	4	3	
JACKSONVILLE	93	73	96	72	83	1	2.2	.5	1.2	30.2	184	64.9	193	97	54	6	0	4	2	
KEY WEST	92	79	93	76	86	1	.7	-.3	.4	11.7	107	26.6	129	84	55	7	0	4	3	
MIAMI	93	78	95	75	86	3	.8	-.8	.6	19.3	103	32.9	96	87	52	7	0	3	2	
ORLANDO	93	74	94	71	84	1	1.8	-.3	1.1	20.1	107	47.3	142	97	49	7	0	4	1	
TALLAHASSEE	92	71	96	69	82	0	2.1	.5	1.6	18.8	97	66.9	153	100	55	5	0	3	2	
TAMPA	93	76	94	73	84	2	.4	-1.3	.3	15.8	94	31.8	104	95	55	7	0	4	1	
WEST PALM BEACH	93	75	95	74	84	1	.5	-.7	.3	15.7	93	52.9	156	95	54	7	0	3	0	
GA ATLANTA	83	68	89	63	76	-3	1.2	.5	1.1	18.2	180	45.5	135	97	63	0	0	5	1	
AUGUSTA	87	69	92	66	78	-2	2.7	1.8	1.1	22.7	217	49.6	163	100	63	3	0	5	2	
MACON	86	69	90	66	78	-4	2.8	2.0	2.6	14.5	142	43.9	140	99	60	2	0	5	1	
SAVANNAH	90	72	93	71	81	0	3.8	2.2	3.0	26.6	158	59.0	170	99	55	5	0	3	1	
HI HILO	84	70	86	68	77	1	.6	-1.7	.3	41.4	202	111.5	141	97	62	0	0	5	0	
HONOLULU	89	75	91	74	82	2	.0	-.1	.0	.5	39	11.1	79	74	44	2	0	0	0	
KAHULUI	87	72	89	66	79	1	T	-.1	T	1.3	159	9.1	76	88	56	0	0	1	0	
LIHUE	84	74	85	72	79	0	.1	-.3	.0	6.4	137	21.9	87	86	62	0	0	4	0	
ID BOISE	91	56	93	48	73	1	T	-.0	T	1.1	79	6.3	85	61	20	6	0	2	0	
LEWISTON	89	59	97	50	73	0	.0	-.2	.0	2.5	106	8.6	105	43	20	3	0	0	0	
POCATELLO	90	56	93	49	73	3	T	-.1	T	.8	42	9.6	137	67	18	4	0	0	0	
IL CHICAGO	85	60	89	54	72	0	.1	-.7	.1	4.3	46	19.1	87	90	37	0	0	1	0	
MOLINE	86	59	88	54	72	-1	.6	-.3	.5	3.7	33	19.2	77	98	38	0	0	2	0	
PRORIA	85	59	91	56	72	-1	.6	-.1	.6	4.3	44	18.6	80	96	40	1	0	1	1	
QUINCY	83	60	89	58	71	-3	.4	-.5	.4	3.9	37	21.9	89	86	40	0	0	1	0	
ROCKFORD	86	59	89	54	73	1	.2	-.7	.1	5.6	50	16.8	69	91	37	0	0	2	0	
SPRINGFIELD	84	59	89	56	72	-3	.2	-.6	.2	6.9	78	20.9	92	100	47	0	0	1	0	
IN EVANSVILLE	89	60	92	54	75	-2	.2	-.5	.2	3.5	38	19.4	69	95	38	1	0	2	0	
FORT WAYNE	84	59	86	56	72	0	.2	-.5	.1	7.8	87	27.5	120	92	43	0	0	2	0	
INDIANAPOLIS	85	61	87	57	73	-1	1.2	.4	.8	6.0	59	24.9	95	96	48	0	0	2	1	
SOUTH BEND	85	60	89	56	72	1	.4	-.6	.3	3.9	40	18.8	78	92	41	0	0	2	0	
IA DES MOINES	83	62	88	59	72	-2	.2	-.7	.1	7.1	74	27.5	131	91	46	0	0	2	0	
SIOUX CITY	85	60	90	57	72	-2	.5	-.3	.5	8.2	90	18.4	102	96	45	1	0	1	0	
WATERLOO	83	59	85	56	71	0	.3	-.5	.2	8.2	74	29.6	130	98	47	0	0	3	0	
KS CONCORDIA	85	63	91	58	74	-4	.6	-.2	.4	6.6	70	14.4	76	87	37	3	0	2	0	
DODGE CITY	89	63	98	57	76	-3	.3	-.3	.3	1.9	25	6.4	43	84	33	3	0	1	0	
GOODLAND	81	59	90	57	70	-4	.2	-.2	.2	12.6	203	18.9	158	88	47	1	0	2	0	
GOODLAND	81	59	90	56	73	-5	.2	-.6	.2	4.4	39	18.9	84	94	37	3	0	1	0	
TOPEKA	87	59	92	56	73	-5	.2	-.6	.2	4.4	39	18.9	84	94	37	3	0	1	0	
WICHITA	91	65	98	59	78	-2	.2	-.4	.2	4.3	46	11.9	63	83	31	5	0	1	0	
KY BOWLING GREEN	86	61	89	57	74	-4	1.5	.8	.9	7.2	67	30.6	92	96	50	0	0	3	1	
LEXINGTON	84	61	89	55	72	-3	.3	-.6	.2	7.2	63	26.1	83	94	47	0	0	3	0	
LOUISVILLE	87	64	92	60	76	-1	.4	-.3	.3	5.5	58	24.0	83	88	39	1	0	2	0	
LA ALEXANDRIA	86	72	91	71	79	-4	2.5	1.5	1.2	10.0	92	57.1	161	96	64	2	0	5	2	
BATON ROUGE	89	72	93	71	80	-1	.2	-1.0	.2	14.5	110	55.0	146	96	57	4	0	2	0	
LAKE CHARLES	86	72	92	71	79	-3	2.2	1.0	1.0	15.0	121	55.6	169	99	65	1	0	5	2	
NEW ORLEANS	89	71	93	69	80	-2	.6	-.8	.5	25.5	174	86.0	220	99	59	2	0	3	1	

Based on 1951-80 normals

Weather Data for the Week Ending August 17, 1991

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	.01 INCH OR MORE		.50 INCH OR MORE	
																		TEMP. °F	PRECIP.		
SHREVEPORT	87	71	94	68	79	-4	2.6	2.0	2.0	10.2	121	58.4	201	100	63	3	0	3	1		
ME CARIBOU	83	59	89	49	71	8	.2	-.7	.2	5.0	54	19.1	88	93	46	0	0	0	0		
FORTLAND	85	62	89	56	73	6	.2	-.6	.4	9.0	122	30.4	118	92	48	0	0	1	0		
MD BALTIMORE	88	65	91	62	76	6	.3	-.9	.1	4.7	46	17.6	66	92	43	3	0	2	0		
SALISBURY	85	65	88	63	75	-1	.2	-.3	.3	13.3	120	31.0	109	100	51	0	0	2	0		
MA BOSTON	86	68	93	66	77	5	.1	-.8	.1	5.6	74	20.5	77	84	46	3	0	1	0		
CHATHAM	77	65	80	61	71	3	.1	-.8	.1	5.1	65	20.4	73	93	72	0	0	1	0		
MI ALPENA	86	58	94	52	72	6	.9	.2	.9	6.3	80	19.7	109	93	38	1	0	2	1		
DETROIT	87	62	89	59	75	3	.8	.1	.6	5.3	64	18.0	89	89	37	0	0	3	1		
FLINT	85	58	88	53	71	2	.6	-.1	.6	8.0	102	20.4	109	93	44	0	0	1	1		
GRAND RAPIDS	83	59	86	55	71	1	.8	.1	.8	11.0	132	26.5	128	93	42	0	0	2	1		
HOUGHTON LAKE	82	59	86	49	70	5	.9	.3	.9	5.8	77	20.5	117	90	46	0	0	1	1		
LANSING	83	57	86	52	70	1	.5	-.2	.5	7.9	98	19.9	106	96	45	0	0	2	1		
MARQUETTE	84	57	91	51	70	7	.4	-.3	.4	9.0	102	21.6	93	87	47	1	0	3	0		
MUSKOGON	82	59	86	51	71	1	.5	-.2	.5	10.0	152	23.6	126	90	45	0	0	1	1		
SAULT ST. MARIE	82	55	90	52	69	5	1.2	.4	.9	6.2	78	17.1	89	96	52	1	0	3	1		
MN ALEXANDRIA	83	62	88	60	73	3	.2	-.6	.2	10.2	112	20.1	118	94	48	0	0	1	0		
DULUTH	83	56	90	51	70	6	1.3	.3	1.1	12.3	122	24.6	128	94	43	1	0	3	1		
INT'L FALLS	85	58	93	56	72	8	.1	-.6	.1	8.8	96	18.2	115	95	43	4	0	2	0		
MINNEAPOLIS	83	61	86	59	72	1	1	-.8	.1	7.6	79	21.3	118	96	47	0	0	2	0		
ROCHESTER	81	59	83	55	70	1	.6	-.2	.6	12.2	128	25.3	135	95	55	0	0	1	1		
MS GREENWOOD	91	69	97	66	80	-1	T	-.6	T	8.3	87	47.5	133	97	47	4	0	0	0		
JACKSON	91	71	94	69	81	-1	T	-.8	T	6.9	70	47.7	136	98	48	4	0	1	0		
MERIDIAN	89	70	91	68	79	-2	.1	-.7	.0	13.1	121	53.5	146	96	48	4	0	2	0		
MO CAPE GIRARDEAU	88	64	92	60	76	-1	.4	-.4	.4	7.6	82	26.9	92	90	40	2	0	1	0		
COLUMBIA	86	60	91	56	73	-4	.5	-.3	.4	7.4	87	19.8	83	88	38	2	0	2	0		
KANSAS CITY	87	61	94	56	74	-5	.4	-.4	.4	5.8	53	18.4	78	90	36	1	0	1	0		
SAINT LOUIS	88	66	93	62	77	-1	.4	-.2	.4	6.3	72	19.2	84	85	35	3	0	1	0		
SPRINGFIELD	89	61	93	57	75	-2	.3	-.3	.3	5.2	54	21.0	83	87	31	3	0	1	0		
MT BILLINGS	87	61	94	56	74	3	.1	-.2	.1	6.9	206	15.0	145	75	26	3	0	1	0		
GLASGOW	87	62	94	53	74	4	.3	.0	.3	5.9	120	9.7	118	75	31	3	0	1	0		
GREAT FALLS	83	53	87	49	68	0	.6	.3	.6	5.7	127	10.9	98	90	29	0	0	3	1		
HAVRE	84	59	92	53	72	3	.5	.2	.4	2.1	49	8.4	98	91	38	3	0	2	0		
HELENA	87	58	89	52	73	6	T	-.3	T	4.2	113	7.9	95	71	23	0	0	0	0		
KALISPELL	81	48	87	45	65	1	T	-.3	T	4.7	121	10.8	106	93	30	0	0	1	0		
MILES CITY	86	63	94	55	75	1	.4	.1	.4	7.4	149	15.2	146	79	34	3	0	1	0		
MISSOULA	85	51	87	46	68	2	.0	-.2	.0	3.4	109	8.1	92	74	23	0	0	0	0		
NE GRAND ISLAND	84	57	90	50	70	-5	.4	-.2	.4	11.9	153	23.3	138	91	42	2	0	1	0		
LINCOLN	87	60	93	54	74	-2	T	-.8	T	8.8	98	18.0	94	89	37	1	0	0	0		
NORFOLK	86	57	91	54	72	-2	T	-.6	T	9.0	100	22.6	128	92	37	1	0	1	0		
NORTH PLATTE	83	57	94	50	70	-3	.2	-.2	.1	4.9	62	14.8	99	94	42	1	0	4	0		
OMAHA	83	63	89	59	73	-3	2.0	1.1	2.0	13.7	138	28.5	138	88	50	0	0	1	1		
SCOTTSBLUFF	86	57	92	52	71	-1	.1	-.1	.1	4.7	85	11.5	101	95	38	2	0	2	0		
VALENTINE	85	55	95	50	70	-3	T	-.6	T	8.5	126	18.5	142	91	38	2	0	1	0		
NV BLY	85	49	87	45	67	1	.5	.3	.4	1.3	73	6.6	110	87	27	0	0	3	0		
LAS VEGAS	98	75	105	69	87	-2	.1	-.1	.1	1.6	195	3.4	133	54	22	6	0	1	0		
RENO	88	58	94	51	73	5	.2	.2	.2	.7	97	3.3	70	75	24	3	0	2	0		
WINNEMUCCA	89	50	96	45	70	0	.2	.1	.2	.9	74	4.9	98	63	19	3	0	2	0		
NH CONCORD	86	58	92	53	72	4	.2	.5	.2	5.3	69	16.7	77	99	44	3	0	1	0		
NJ ATLANTIC CITY	86	64	90	62	75	1	.9	.2	.9	8.0	84	23.7	90	99	48	1	0	1	1		
NM ALBUQUERQUE	88	63	91	59	76	-1	T	-.3	T	4.3	162	6.3	132	82	31	4	0	2	0		
CLOVIS	80	63	86	59	72	-5	2.8	2.2	2.3	14.2	205	16.2	143	92	53	0	0	3	1		
ROSWELL	86	67	97	65	77	-2	.3	-.2	.2	11.7	306	13.3	218	90	49	1	0	3	0		
NY ALBANY	85	61	90	56	73	3	.6	-.2	.3	5.6	70	18.8	86	98	48	1	0	2	0		
BINGHAMTON	81	60	85	57	70	3	.5	-.3	.3	6.7	76	20.5	90	94	46	0	0	3	0		
BUFFALO	83	63	88	60	73	3	.3	-.6	.3	6.6	83	25.6	116	96	46	0	0	2	0		
NEW YORK	87	72	92	69	80	4	T	-.1	T	9.4	103	24.1	91	78	43	3	0	1	0		
ROCHESTER	84	61	88	59	73	3	.1	-.6	.1	4.2	60	18.3	94	94	41	0	0	2	0		
SYRACUSE	85	63	89	61	74	5	.1	-.7	.1	7.3	77	23.1	95	95	45	0	0	3	0		
NC ASHEVILLE	76	60	83	56	68	-5	1.1	.1	.4	13.8	139	32.7	114	100	62	0	0	4	0		
CHARLOTTE	83	68	89	66	75	-3	1.9	1.1	1.5	11.6	122	34.5	120	92	55	0	0	2	1		
GREENSBORO	81	64	87	60	72	-4	.9	.0	.7	7.3	70	31.3	113	92	57	0	0	2	1		
HATTERAS	88	74	90	71	81	2	.9	-.5	.6	18.6	143	41.1	124	95	60	2	0	2	1		
NEW BERN	88	71	91	69	80	0	1.0	-.4	.5	14.4	94	33.1	96	96	55	1	0	5	0		
RALEIGH	84	66	89	64	75	-2	1.1	.1	.8	13.5	129	26.9	97	96	56	0	0	3	1		
WILMINGTON	86	71	89	68	79	-1	2.8	1.3	2.1	22.4	133	45.9	131	98	65	0	0	3	1		
ND BISMARCK	88	59	94	55	73	4	.9	.5	.9	4.2	70	10.2	90	83	28	3	0	2	1		
FARGO	87	61	94	56	74	4	T	-.6	T	9.5	120	17.6	128	85	36	3	0	1	0		
GRAND FORKS	87	60	92	54	73	5	.4	-.2	.4	6.7	93	15.0	120	84	35	5	0	2	0		
WILLISTON	85	61	93	58	73	4	.9	.5	.6	8.7	165	13.8	141	81	36	1	0	3	1		
OH AKRON-CANTON	86	60	88	56	73	2	.4	-.3	.4	2.7	29	14.3	60	96	35	0	0	2	0		
CINCINNATI	83	62	87	57	73	-2	.9	.2	.7	8.3	83	28.4	104	91	50	0	0	2	1		
CLEVELAND	85	61	89	55	73	2	.4	-.3	.4	4.6	53	20.2	88	94	37	0	0	2	0		
COLUMBUS	87	62	93	57	75	2	.6	-.2	.6	6.9	69	21.8	86	92	38	2	0	3	1		

Based on 1951-80 normals

Weather Data for the Week Ending August 17, 1991

STATES AND STATIONS	TEMPERATURE °F					PRECIPITATION								RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS								
	AVERAGE	MAXIMUM	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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.
														.01 INCH OR MORE							.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	84	60	88	54	72	-2	.3	-1.4	.3	6.8	77	26.2	111	91	44	0	0	0	0	0	0	0	
TOLEDO	86	61	90	58	74	3	.1	-1.6	.1	2.9	34	16.2	78	91	38	1	0	0	0	0	0	0	
YOUNGSTOWN	86	59	90	53	73	3	.2	-1.6	.2	6.1	64	16.8	69	95	36	1	0	0	0	0	0	0	
OK OKLAHOMA CITY	89	68	97	64	79	-3	.4	-1.2	.3	6.5	80	17.5	84	90	39	3	0	0	0	0	0	0	
TULSA	90	68	98	63	79	-3	.3	-1.3	.3	4.4	45	14.9	60	89	40	6	0	0	0	0	0	0	
OR ASTORIA	67	55	71	48	61	0	.0	-1.1	.0	2.2	52	35.4	94	95	73	0	0	0	0	0	0	0	
BURNS	67	49	90	39	68	0	.0	-1.1	.0	.9	82	4.4	74	55	15	1	0	0	0	0	0	0	
MEDFORD	95	56	96	50	76	4	.0	-1.1	.0	1.8	158	10.4	97	79	18	7	0	0	0	0	0	0	
PENDLETON	87	36	95	49	71	-1	.0	-1.1	.0	2.8	227	9.2	129	55	20	2	0	0	0	0	0	0	
PORTLAND	86	60	91	54	73	5	.0	-1.2	.0	2.7	110	21.0	103	94	40	1	0	0	0	0	0	0	
SALEM	86	53	90	50	70	3	.0	-1.2	.0	1.7	90	21.4	97	93	35	1	0	0	0	0	0	0	
PA ALLENTOWN	85	62	90	59	74	1	.2	-1.9	.1	7.7	77	21.3	77	94	45	1	0	0	0	0	0	0	
ERIE	83	65	92	60	74	5	.0	-1.7	.2	5.0	53	16.8	72	90	46	1	0	0	0	0	0	0	
HARRISBURG	87	63	91	61	75	0	.1	-1.6	.1	6.1	70	19.3	78	86	42	2	0	0	0	0	0	0	
PHILADELPHIA	87	70	91	67	78	2	1	-1.8	1	10.7	107	24.3	92	87	46	2	0	0	0	0	0	0	
PITTSBURGH	87	61	89	56	74	3	.8	-1.1	.8	8.6	94	21.9	88	86	33	0	0	0	0	0	0	0	
SCRANTON	82	61	87	57	72	1	.1	-1.7	.1	5.6	64	16.9	78	91	47	0	0	0	0	0	0	0	
RI PROVIDENCE	86	66	89	63	76	4	.4	-1.9	.4	6.6	83	27.1	99	95	49	0	0	0	0	0	0	0	
SC CHARLESTON	89	73	92	73	81	1	2.9	1.5	1.9	17.1	97	40.5	114	96	58	3	0	0	0	0	0	0	
COLUMBIA	86	69	93	65	78	-3	.9	-1.4	.4	26.5	205	53.1	157	100	62	3	0	0	0	0	0	0	
FLORENCE	86	69	91	67	78	-3	2.8	1.8	2.6	19.3	148	36.4	120	96	62	2	0	0	0	0	0	0	
GREENVILLE	81	65	87	61	73	-5	3.6	2.7	2.0	13.2	120	38.0	112	98	63	0	0	0	0	0	0	0	
SD ABERDEEN	85	58	92	53	72	0	.8	-.3	.5	7.9	118	20.6	155	95	40	1	0	0	0	0	0	0	
HURON	85	58	90	55	72	-1	.0	-1.4	.0	8.6	128	19.5	142	90	38	1	0	0	0	0	0	0	
RAPID CITY	85	58	97	56	72	-1	.3	-.0	.2	5.8	94	14.9	117	94	37	1	0	0	0	0	0	0	
SIoux FALLS	86	57	95	50	71	-1	.1	-1.6	.1	9.7	121	19.6	118	97	41	1	0	0	0	0	0	0	
TN CHATTANOOGA	87	68	91	66	78	-1	.6	-1.1	.4	8.7	89	37.4	108	93	49	1	0	0	0	0	0	0	
KNOXVILLE	83	65	86	61	74	-4	.6	-1.1	.6	13.6	136	36.6	115	98	53	0	0	0	0	0	0	0	
MEMPHIS	89	70	93	68	80	-2	.7	-1.2	.7	4.4	45	41.6	120	87	43	3	0	0	0	0	0	0	
NASHVILLE	88	64	91	60	76	-3	.3	-1.5	.3	5.1	55	26.1	81	95	40	1	0	0	0	0	0	0	
TX ABILENE	82	68	92	64	75	-8	1.0	-.4	.4	12.0	204	18.1	125	96	63	1	0	0	0	0	0	0	
AMARILLO	84	63	93	61	73	-4	.3	-1.4	.3	5.8	75	10.2	75	95	50	2	0	0	0	0	0	0	
AUSTIN	96	75	100	70	85	0	3.6	3.2	3.3	9.2	154	31.2	164	95	42	7	0	0	0	0	0	0	
BRAUNTON	89	73	96	71	81	-3	1.5	-.2	.6	12.8	92	54.5	159	97	62	4	0	0	0	0	0	0	
BROWNSVILLE	97	77	98	76	87	3	.0	-1.6	.0	3.5	65	19.9	161	93	43	7	0	0	0	0	0	0	
CORPUS CHRISTI	95	77	97	76	86	2	.0	-1.8	.0	8.7	111	24.3	143	96	48	7	0	0	0	0	0	0	
DEL RIO	99	77	102	76	88	2	.1	-1.3	.1	4.1	97	9.7	96	59	27	7	0	0	0	0	0	0	
EL PASO	91	67	94	64	79	-2	1.5	1.2	1.1	4.8	170	6.3	147	94	38	4	0	0	0	0	0	0	
FORT WORTH	86	72	94	70	79	-6	2.4	2.0	1.5	10.7	194	28.0	141	95	64	3	0	0	0	0	0	0	
GALVESTON	88	78	90	74	83	-1	.7	-1.3	.3	10.4	109	42.0	183	82	62	2	0	0	0	0	0	0	
HOUSTON	90	74	97	71	82	-1	.7	-1.2	.5	10.9	108	40.3	144	96	54	3	0	0	0	0	0	0	
LUBBOCK	84	65	93	63	74	-4	1.3	-.8	.7	9.6	153	13.3	114	99	59	1	0	0	0	0	0	0	
MIDLAND	87	66	94	63	76	-5	.9	-.6	.6	13.4	341	16.0	195	93	50	1	0	0	0	0	0	0	
SAN ANGELO	87	69	96	66	78	-5	.4	-.0	.2	7.0	179	11.6	112	97	56	3	0	0	0	0	0	0	
SAN ANTONIO	98	77	102	77	88	3	.4	-1.6	.4	4.5	73	23.2	135	89	33	7	0	0	0	0	0	0	
VICTORIA	94	75	97	73	84	0	.4	-.3	.4	16.1	187	43.4	206	97	53	6	0	0	0	0	0	0	
NACO	90	73	95	70	82	-5	3.9	3.5	3.3	11.3	213	25.4	131	96	59	5	0	0	0	0	0	0	
WICHITA FALLS	86	68	95	62	77	-8	1.5	1.0	.7	6.2	106	14.8	88	97	58	2	0	0	0	0	0	0	
UT CEDAR CITY	86	57	90	55	72	-1	.3	-.0	.2	3.7	170	7.7	118	70	24	1	0	0	0	0	0	0	
SALT LAKE CITY	92	67	95	63	80	4	.4	-.2	.3	1.9	86	10.2	100	69	23	6	0	0	0	0	0	0	
VT BURLINGTON	85	63	90	59	74	6	.3	-.6	.3	6.2	68	17.5	85	94	48	1	0	0	0	0	0	0	
VA NORFOLK	86	70	89	69	78	0	.3	-.9	.2	13.5	117	30.8	106	94	54	0	0	0	0	0	0	0	
RICHMOND	87	67	91	63	77	0	.3	-.9	.2	11.6	100	24.0	86	96	48	2	0	0	0	0	0	0	
ROANOKE	82	60	88	57	71	-4	.4	-.5	.4	11.6	130	30.2	120	95	52	0	0	0	0	0	0	0	
WA QUILLAYUTE	68	52	74	48	60	1	.0	-.6	.0	9.5	139	58.0	100	99	71	0	0	0	0	0	0	0	
SEATTLE-TACOMA	81	56	87	53	69	4	.0	-.3	.0	2.4	90	24.1	118	95	42	0	0	0	0	0	0	0	
SPOKANE	82	51	92	46	67	-2	.0	-.2	.0	1.9	90	9.7	98	78	29	1	0	0	0	0	0	0	
YAKIMA	88	53	96	45	71	1	.0	-.1	.0	2.8	315	5.3	116	86	29	3	0	0	0	0	0	0	
NV BECKLEY	77	57	82	53	67	-2	.1	-.8	.1	7.0	65	25.0	88	96	51	0	0	0	0	0	0	0	
CHARLESTON	84	60	90	56	72	-2	.0	-.9	.0	8.0	72	24.7	86	99	45	1	0	0	0	0	0	0	
HUNTINGTON	84	61	88	57	72	-3	.2	-.6	.2	6.4	62	24.9	89	96	45	0	0	0	0	0	0	0	
PARKERSBURG	83	60	86	55	72	-2	.5	-.3	.3	12.6	126	28.9	112	99	48	0	0	0	0	0	0	0	
WI GREEN BAY	84	60	87	52	72	4	.3	-.4	.1	7.0	87	16.0	89	95	47	0	0	0	0	0	0	0	
LACROSSE	83	63	86	58	73	1	.1	-.7	.1	9.0	91	25.5	126	99	51	0	0	0	0	0	0	0	
MADISON	83	58	85	51	71	1	.3	-.5	.2	11.3	116	24.2	119	94	44	0	0	0	0	0	0	0	
MILWAUKEE	84	64	90	59	74	4	.4	-.7	.4	8.6	97	22.5	111	84	43	1	0	0	0	0	0	0	
MAUSAO	82	61	87	56	72	4	.4	-.5	.2	11.7	116	25.3	123	93	48	0	0	0	0	0	0	0	
WY CASPER	87	55	96	49	71	1	.0	-.1	.0	1.8	70	9.4	115	80	23	2	0	0	0	0	0	0	
CHEYENNE	78	55	84	50	67	-1	.4	-.1	.2	9.0	191	14.9	148	93	40	0	0	0	0	0	0	0	
LANDER	85	56	90	54	71	1	.0	-.1	.0	1.7	72	10.6	112	68	25	2	0	0	0	0	0	0	
SHERIDAN	86	55	94	51	71	1	.0	-.2	.0	1.6	44	10.6	99	79	30	3	0	0	0	0	0	0	

Based on 1951-80 normals

National Agricultural Summary

August 12 - 18, 1991

HIGHLIGHTS: Harvest activities progressed well across most of the Nation, as extensive rainfall fell only in Texas and the Southeast. Crop moisture supplies remained short through the central Great Plains, middle Mississippi Valley, Ohio Valley, and Pennsylvania.

SMALL GRAINS: Winter wheat harvest continued to progress in the Pacific Northwest, reaching 32 percent (%) complete in Idaho and 55% complete in Washington. Montana's winter wheat harvest reached 52% complete, 28 percentage points behind the 5-year average. Spring wheat harvest was 68% complete in the five major producing States, slightly ahead of the progress of 66% recorded for both last year and the average. Harvest of oats neared completion in the eastern half of the country and was in full swing in the Rocky Mountains.

CORN: Progress of corn entering the dough stage was ahead of both last year and the average in 15 of the 17 major producing States. Seventy-eight percent of the crop was in the dough stage in the major producing States, 33 points ahead of last year and 9 points ahead of the average. Forty-three percent of the corn had dented, compared with 13% last year and 33% average. Development was most advanced in the Ohio Valley, while the crop was slightly behind normal in Iowa and Minnesota. Crop condition ratings for the major producing States remained mostly fair to good, with poor to fair conditions in the eastern Corn Belt. Very poor or poor conditions were reported for 54% of the Indiana crop, 40% of Ohio's, and 23% of Illinois'. Fifty-one percent of the Pennsylvania corn crop was in very poor or poor condition. Corn harvest continued in the South. Scattered showers halted harvest in Texas early in the week, holding progress to 45%.

SOYBEANS: Crop progress of soybeans continued to outpace both last year and the historic average. Bloom advanced to 93% of the acreage in the 19 major producing States, 4 points ahead of last year and 1 point ahead of the average. Pods were setting in 80% of the acreage, compared with 65% last year and 76% average. Development was well ahead of normal in South Dakota and the Ohio Valley, but behind normal in the Gulf Coast States and Tennessee. The condition rating for the major producing States matched that of last week, with fair conditions in the Central States and the Delta, and good conditions in the Southeast and northern producing States.

COTTON: Setting of cotton bolls neared completion, reaching 92% complete in the 14 major producing States, compared with 96% last year and 94% average. Bolls were opening on 13% of the acreage, 1 point ahead of last year and equal to the average. Development was well ahead of normal in Texas, with bolls opening in 22% of the crop acreage, compared with 13% for both last year and the average. Picking was active in southern Texas. Progress of bolls opening was 28 points behind normal in Arizona, and 14 points behind in Louisiana. Crop condition rated mostly good at the 14-State level, with the better conditions reported in the Southwest and Southeast.

GRAIN SORGHUM: Sorghum heading reached 80% in the 12 major producing States, 5 points ahead of last year and 1 point ahead of the historic average. Grain heads were turning color on 37% of the

acreage, 6 points ahead of last year and 3 points ahead of the average. Crop condition remained mostly good in the Southwest, Colorado, and South Dakota and mostly fair elsewhere. Late season greenbug buildups were reported in eastern Kansas' fields. Sorghum harvest began in the Low Plains of Texas.

RICE: Harvest of rice reached 19% complete nationwide, led by Texas, with 52% of the crop harvested, and Louisiana, with 46% harvested. Harvest gained momentum in Arkansas, reaching 7% complete. Heading advanced to 59% of the Nation's acreage, 5 percentage points ahead of last year, but 6 points behind the historic average. Development remained behind schedule in California and Mississippi, and cool temperatures hampered California rice growth. Crop condition rated mostly fair in Mississippi, and mostly good in the other major producing States.

OTHER FIELD CROPS: Mostly open weather in the West and across the Central States was conducive to haying, while rains delayed haying in the Southeast. The third cutting of alfalfa was in full swing in the Central States, while the second cutting advanced in the northern Great Plains and Rocky Mountains. Potato harvesting was increasing from Maine to Washington. Harvest of peanuts was getting underway in Georgia and South Carolina, while the Oklahoma crop was nearly finished pegging. Colorado and Washington dry beans were reported in good condition. Dry pea harvests passed the mid-point in Idaho and Washington, and lentil harvest progressed. Tobacco harvest was active in all major producing States. Combining of flax commenced in North Dakota, while sunflowers continued to dry. Safflower harvest was underway in California. Mint harvest continued in the Pacific Northwest.

FRUIT AND NUTS: California's table grape harvest was 3 weeks behind normal, with Thompson seedless and exotic varieties being picked as maturity was reached. The State's peach harvest was 1 week late due to cool weather. New York's Hudson Valley apple harvest was as much as 2 weeks ahead of normal, and early grape varieties were being picked. Bartlett pear harvest was also underway in New York. South Carolina peaches remained in fair to good condition with harvest well along. Tart cherry harvest was nearly complete in Utah. Washington apples were progressing well, and Bartlett pear picking started.

VEGETABLES: Mixed vegetable harvests remained active in Arizona. Broccoli, cauliflower, celery, and lettuce remained in good supply in California. California melon and tomato harvests were also active. Planting of fall crop lettuce began, and fall crop cauliflower transplanting was active. Colorado onion harvest was 17% complete. Harvests of most vegetables were well along in Maryland and Delaware. Fall vegetable planting neared completion in New Jersey, while summer vegetable harvest was past its peak. New York vegetable harvesting was at its peak. Oregon and Washington harvests of summer vegetables continued.

PASTURES AND LIVESTOCK: Pasture and range conditions were good to excellent in the West and extreme Southeast. Texas ranges improved tremendously after receiving rain. Dry weather, however, deteriorated forage in the Central States.

CROP PROGRESS

For Week Ending August 18, 1991

	Corn % Dough		
	1991	1990	Avg.
CO	49	38	54
GA	100	100	100
IL	93	57	82
IN	96	49	75
IA	58	31	65
KS	95	80	85
KY	90	46	76
MI	45	10	30
MN	64	20	61
MO	90	68	87
NE	86	61	75
NC	96	89	92
OH	99	44	68
PA	58	28	42
SD	72	42	46
TX	97	96	96
WI	65	21	48

17 States 78 45 69

These 17 states produced 95% of the 1990 corn crop.

	Corn % Dent		
	1991	1990	Avg.
CO	15	6	7
GA	98	98	99
IL	73	11	44
IN	55	9	32
IA	30	7	36
KS	60	35	40
KY	64	18	44
MI	10	0	5
MN	17	2	24
MO	72	32	64
NE	35	9	27
NC	84	80	77
OH	59	6	25
PA	17	5	8
SD	23	6	13
TX	80	92	81
WI	18	5	14

17 States 43 13 33

These 17 states produced 95% of the 1990 corn crop.

	Rice % Headed		
	1991	1990	Avg.
AR	71	47	71
CA	50	65	59
LA	91	89	90
MS	48	86	86
TX	99	100	100

5 States 73 68 78

These 5 states produced 98% of the 1990 rice crop.

	Cotton % Setting Bolls		
	1991	1990	Avg.
AL	99	100	99
AZ	100	100	100
AR	100	100	100
CA	100	100	99
GA	99	100	100
LA	98	97	98
MS	98	100	98
MO	100	100	100
NM	94	90	92
NC	94	94	92
OK	93	90	77
SC	100	98	93
TN	100	100	100
TX	84	93	89

14 States 92 96 94

These 14 states produced 99% of the 1990 cotton crop.

	Cotton % Bolls Opening		
	1991	1990	Avg.
AL	6	14	11
AZ	12	41	40
AR	3	0	10
CA	2	3	7
GA	7	22	16
LA	6	27	20
MS	5	8	13
MO	6	0	7
NM	10	7	8
NC	8	8	9
OK	1	1	0
SC	11	8	6
TN	4	3	5
TX	22	13	13

14 States 13 12 13

These 14 states produced 99% of the 1990 cotton crop.

	Rice % Harvested		
	1991	1990	Avg.
AR	7	0	0
CA	0	0	0
LA	46	44	36
MS	0	0	0
TX	52	39	53

5 STATES 19 14 14

These 5 states produced 98% of the 1990 rice crop.

	Soybeans % Setting Pods		
	1991	1990	Avg.
AL	44	57	51
AR	44	20	38
GA	62	67	69
IL	100	63	90
IN	97	70	81
IA	90	87	96
KS	75	60	70
KY	50	26	41
LA	53	74	67
MI	75	65	65
MN	94	94	94
MS	37	57	51
MO	67	46	72
NE	89	65	85
NC	54	39	35
OH	100	79	82
SC	42	31	34
SD	92	79	78
TN	28	40	51

19 States 80 65 76

These 19 states produced 95% of the 1990 soybeans crop.

	Soybeans % Bloom		
	1991	1990	Avg.
AL	70	80	77
AR	69	53	67
GA	90	87	93
IL	100	97	99
IN	100	98	99
IA	99	99	100
KS	95	85	90
KY	87	73	82
LA	81	92	87
MI	100	95	95
MN	99	99	99
MS	69	81	76
MO	88	76	90
NE	100	100	100
NC	75	70	67
OH	100	90	95
SC	80	72	69
SD	97	97	93
TN	72	72	76

19 States 93 89 92

These 19 states produced 95% of the 1990 soybeans crop.

	Spring Wheat % Harvested		
	1991	1990	Avg.
ID	27	50	46
MN	83	82	79
MT	22	53	47
ND	72	59	63
SD	94	92	90

5 States 68 66 66

These 5 states produced 97% of the 1990 spring wheat crop.

Grain Sorghum
% Headed

	1991	1990	Avg.
AR	82	74	89
CO	69	66	73
IL	95	37	81
KS	70	65	65
LA	92	95	96
MS	86	94	96
MO	83	61	86
NE	88	79	88
NM	83	80	NA
OK	73	33	75
SD	69	74	73
TX	89	93	88

12 States 81 75 NA

Excl. States with NA 80 75 79

These 12 states produced 98% of the 1990 grain sorghum crop.

NA - not available.

Grain Sorghum
% Coloring

	1991	1990	Avg.
AR	53	35	58
CO	7	14	14
IL	43	6	27
KS	15	15	10
LA	76	79	72
MS	52	57	68
MO	41	15	41
NE	21	4	19
NM	11	5	NA
OK	20	9	34
SD	14	22	18
TX	73	71	66

12 States 37 31 NA

Excl. States with NA 37 31 34

These 12 states produced 98% of the 1990 grain sorghum crop.

NA - not available.

Crop Condition
PERCENT

For Week Ending August 18, 1991

Cotton

State	VP	P	F	G	EX
AL	0	24	37	36	3
AZ	0	0	0	73	27
AR	0	11	25	64	0
CA	0	0	5	90	5
GA	0	2	17	65	16
LA	0	2	42	44	12
MS	0	4	47	45	4
MO	0	20	70	10	0
NM	0	0	31	69	0
NC	2	2	25	68	3
OK	0	0	44	56	0
SC	0	1	75	24	0
TN	4	6	55	32	3
TX	0	1	32	62	5
14 State	0	3	32	59	6
Prev Week	2	4	38	48	8
Prev Year	1	6	42	48	3

Grain Sorghum

State	VP	P	F	G	EX
AR	3	17	58	22	0
CO	0	4	16	60	20
IL	0	6	63	29	2
KS	5	36	40	17	2
LA	0	35	41	24	0
MS	1	4	79	16	0
MO	10	22	51	17	0
NE	6	21	49	21	3
NM	0	0	20	80	0
OK	0	10	38	52	0
SD	0	3	40	46	11
TX	0	1	23	61	15
12 State	3	17	37	36	7
Prev Week	3	13	39	39	6
Prev Year	1	4	33	55	7

Soybeans

State	VP	P	F	G	EX
AL	0	2	35	55	8
AR	0	15	70	15	0
GA	0	0	15	76	9
IL	3	15	47	34	1
IN	7	24	55	14	0
IA	0	3	31	57	9
KS	3	36	45	12	4
KY	3	8	72	17	0
LA	6	35	29	30	0
MI	1	4	30	45	20
MN	2	5	27	59	7
MS	2	26	45	24	3
MO	5	19	52	23	1
NE	4	16	42	33	5
NC	0	0	20	75	5
OH	6	21	43	26	4
SC	0	0	6	88	6
SD	1	5	19	54	21
TN	2	16	48	29	5
19 State	3	14	41	37	5
Prev Week	3	14	41	37	5
Prev Year	1	8	35	50	6

Rice

State	VP	P	F	G	EX
AR	0	0	22	78	0
CA	0	0	15	80	5
LA	0	9	46	45	0
MS	12	2	60	24	2
TX	0	0	38	61	1
5 State	1	2	31	65	1
Prev Week	1	2	34	61	2
Prev Year	0	0	36	61	3

Corn

State	VP	P	F	G	EX
CO	0	2	16	52	30
GA	0	0	15	65	20
IL	10	13	57	15	5
IN	18	36	39	7	0
IA	0	7	38	48	7
KS	6	15	31	21	27
KY	2	17	58	20	3
MI	2	8	25	45	20
MN	4	5	31	53	7
MO	6	17	54	23	0
NE	3	8	24	53	12
NC	0	1	25	70	4
OH	10	30	37	20	3
PA	23	28	27	17	5
SD	2	12	25	45	16
TX	0	0	12	56	32
WI	1	0	18	63	18
17 State	5	12	36	38	9
Prev Week	5	14	34	38	9
Prev Year	1	5	18	60	16

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: Rain less than 0.50 in.; 1.00 to 2.00 in. locally. Temperatures 1 to 4° below normal.

Days suitable for fieldwork 5.5. Soil moisture 45% short, 51% adequate, 4% surplus. Corn 95% dented, 96% 1990, 95% avg.; 70% mature, 71% 1990, 77% avg.; 33% harvested, 41% 1990, 41% avg.; 2% very poor, 7% poor, 16% fair, 55% good, 20% excellent. Sorghum 10% harvested, 16% 1990, 18% avg.; 56% fair, 44% good. Peanuts few fields harvested; 11% fair, 72% good, 17% excellent. Cotton 99% setting bolls, 100% 1990, 99% avg.; 6% bolls opened, 14% 1990, 11% avg.; 24% poor, 37% fair, 36% good, 3% excellent. Soybeans 70% blooming, 80% 1990, 77% avg.; 44% setting pods, 57% 1990, 51% avg.; 2% turning color, 7% 1990, 10% avg.; 2% poor, 35% fair, 55% good, 8% excellent. Pastures 2% very poor, 4% poor, 23% fair, 59% good, 12% excellent. Livestock 13% fair, 74% good, 13% excellent.

ALASKA: Occasional showers with sunshine, cloudy, windy intervals allowed an average of 3 days for haying, other fieldwork. Highs 3° below normal to 4° above normal. Lows 1 to 5° above normal. Seasonal precipitation 2.78 in. drier than normal at Fairbanks to 1.31 in. wetter than normal at Anchorage.

Days suitable for haying 3.0. Topsoil 4% short, 86% adequate, 10% surplus. Subsoil 100% adequate. Barley 90% turning color, 10% ripe. Oats, 85% turning color, 15% ripe. Second crop hay, mainly being harvested, Tanana Valley, 10% complete. Potato prospects, 5% below avg., 75% avg., 20% above avg.

ARIZONA: Sunny, hot, humid for most of the State throughout period. Scattered showers assembled the 11th over north central, northwest. Thunderstorms prevailed northeast 13th, northwest, southwest 14th, southwest, south central 15th, 16th. Precipitation 0.03 in. north central to 1.95 in. southwest. Temperatures 3° below to 4° above normal. Extremes 46°; 80° mountains, 57°; 109° desert.

Cotton setting bolls 100%, 100% 1990, 100% avg.; bolls opening 12%, 41% 1990, 40% avg.; activities irrigating, monitoring of insects, insecticide applications; cotton 73% good, 27% excellent. Alfalfa harvest moderate to active; alfalfa good. Green onions, jalapeno peppers, cucumbers, watermelons, cantaloupe harvested central. Cabbage, peaches, garlic, apples harvested east.

ARKANSAS: Temperatures below normal with scattered showers statewide the weekend. Temperature 54°; 97°. Rainfall none to 2.92 in.

Days suitable for fieldwork 7. Soil moisture 78% short, 22% adequate. Corn 1% poor, 35% fair, 64% good. Pasture 3% very poor, 22% poor, 47% fair, 27% good, 1% excellent. Livestock good. Activities: Applying pesticides; clipping pastures; feeding, cutting, baling, harvesting hay; preparing for fall planting.

CALIFORNIA: High pressure, hot temperatures over weekend dashed as remnants from tropical storm Hilda proceeded northward over the State, bringing spotty rainfall to many areas. This also put a cap on temperatures while humidities soared above normal.

Field activities progressed open weather. Mid-week rains interrupted activities northern counties. Discing wheat stubble continued.

Cool temperatures hampered rice growth. Cotton growth normal, bolls opening. Alfalfa seed, corn silage, safflower, sugarbeet harvests active. Dry beans, corn sprayed mites, worms. Alfalfa treated weed, weevil, worm control. Planting next years sugarbeets underway. Alfalfa, sudan hay harvests normal. Table grape harvest three weeks behind normal. Thompson seedless, exotic grapes picked as maturity allowed. Central Valley heat damage; packers cleaning grape bunches carefully. Napa Valley concerned warm weather needed to fully mature wine grapes. Rain mid week required fungicide application to peaches; damage in peaches ready for harvest may result. Peach harvest one week late cool weather. Processing picked first time, fresh prunes continued packed. Asian pear harvest beginning, early variety apple harvest continued. Packing, harvesting nectarines, plums continued. Pomegranates showing good color, growers waiting for better sizes. Pistachios, early varieties almonds ready begin harvest. Avocado regrowth looked good. Orange, lemon, continued treated red scale. Broccoli, cauliflower continued fairly heavy supply, variable quality. Harvest, packing all types melons active. Celery heavy supply, generally good quality. Iceberg lettuce supply heavy, variable quality. Planting fall crop head lettuce began. Fresh market, processing tomato harvest active. Insect control underway, vegetable, potato fields. Field preparation for fall planting, continued, Desert districts. Fall crop cauliflower transplanting active. Sweet potato harvest active. Cantaloupe, honeydew, mixed melon harvest continued active. Range conditions very poor to good north. Southern areas very poor to good.

COLORADO: Frequent afternoon, evening showers occurred most areas. Low cloud cover, some fog kept temperatures on the eastern plains well below normal first half of week. Slightly below normal temperatures also occurred in other parts of the State. Some local flooding in, close to the eastern foothills.

Days suitable for fieldwork 4.6. Soil moisture 4% very short, 18% short, 65% adequate, 13% surplus. Second cutting alfalfa 63% complete, 70% 1990, 77% avg.; third cutting 10% complete, 17% 1990, 13% avg. Barley 40% harvested, 62% 1990, 68% avg. Oats 60% harvested, 60% 1990, 54% avg. Cutting of dry beans is just getting started. Sorghum is just beginning to turn color with 69% headed, 66% 1990, 73% avg. Corn 49% in dough, 38% 1990, 54% avg.; 15% dent, 6% 1990, 17% avg.; 2% poor, 16% fair, 52% good, 30% excellent. Dry beans 4% poor, 18% fair, 57% good, 21% excellent. Sorghum 4% poor, 16% fair, 60% good, 20% excellent. Onion harvest 17% complete, 23% 1990, 15% avg. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Precipitation 1.00 in. or less. Temperatures 1° above normal. Highs, low to mid 90s; lows, upper 60s to low 70s.

Soil moisture Panhandle mostly surplus, Peninsula mostly adequate with scattered areas of surplus moisture. Peanut harvest started, corn harvest progressing slowly, tobacco harvest complete. Hay harvest delayed by wet weather. Cotton, soybeans, sugarcane making good progress. States pastures mostly good to excellent. Pasture 10% fair, 50% good, 40% excellent. States herds mostly good to excellent. Excellent

citrus tree. Moisture adequate, abundant new growth. Some irrigation on high sand hills. New crop fruit excellent progress, very little fruit drop. New crop grapefruit harvest started, slow due to lagging maturity. Caretakers cutting cover crops. New tree planting active. Recent transplanted vegetable fields showing heat stress. Planting activity continues movement down Peninsula. First southwest tomatoes planted.

GEORGIA: North temperatures 4 to 6° below normal, 1 to 4° below normal elsewhere. Maximum temperatures middle 80s mountains, low to middle 90s elsewhere. Coolest lows middle 50s northeast mountains, 70s extreme southeast. Rainfall 2 to 4 days; 1.00 to 2.00 in., some areas less than 0.50 in.

Days suitable for fieldwork 2.8. Soil moisture 1% short, 36% adequate, 63% surplus. Corn 90% mature, 97% 1990, 93% avg.; 35% harvested for grain, 50% 1990, 39% avg. Sorghum 4% fair, 91% good, 5% excellent. Peanuts 14% fair, 81% good, 5% excellent; 1% dug, 2% 1990, 1% avg.; 1% threshed, 1% 1990. Soybeans 90% blooming, 87% 1990, 93% avg.; 62% setting pods, 67% 1990, 69% avg.; 0% dropping leaves, 3% 1990, 1% avg. Tobacco 4% poor, 66% fair, 30% good; 94% harvested, 76% 1990, 81% avg. Apples 2% fair, 98% good; 31% harvested, 37% 1990, 33% avg. Pecans 28% fair, 66% good, 6% excellent. Hay 1% poor, 30% fair, 64% good, 5% excellent. Pasture 2% fair, 75% good, 23% excellent. Cattle 2% fair, 91% good, 7% excellent. Hogs 6% fair, 82% good, 12% excellent.

HAWAII: Mostly sunny skies, some scattered showers prevailed in the State. Temperatures above normal, matched August 15th high 91°. Farm activities resumed regular schedules after Tropical Depression Fefa. Irrigation active to combat summer heat, promote normal crop development. Trade winds 5 to 25 mph. Temperatures high 60s to low 90s. Rainfall none to 3.00 in.

Days suitable for fieldwork 7.0. Most crops progressed well. Insect populations high, spray programs active for control. Watermelon harvest heavy. Banana harvest seasonally increased. Sugar harvesting, planting operations resumed normal schedules after interruption from previous weeks rain.

IDAHO: Temperatures 2° below normal to 5° above normal. Precipitation was scattered across State. Idaho Falls received most with 0.49 inches.

Days suitable for fieldwork 7. Soil moisture 19% very short, 27% short, 54% adequate. Winter wheat good; 97% turning color, 32% harvested. Spring wheat good; 95% turning color, 27% harvested. Spring barley 91% turning color, 26% harvested. Potato good; 100% closing middles, 38% turning, 3% vines dying, killed. Oats 40% harvested, 47% 1990, 45% avg. Second cutting alfalfa 71% complete, 82% 1990, 86% avg. Dry peas 51% harvested, 95% 1990, 82% avg. Lentils 34% harvested, 91% 1990, 66% avg. Mint 67% harvested, 92% 1990, 73% avg. Plum, prune harvest 22% complete. Hops 3% harvested, 3% 1990. Onions 3% harvested, 12% 1990, 6% avg. Sweet corn harvest 10% complete. Livestock good to excellent. Pasture, range conditions 78% of normal.

ILLINOIS: Temperatures 1 to 2° below normal across the majority of the State, while in the northern part of the State. Temperatures normal to 1° above normal. Precipitation generally 0.03 to 1.06 in. across the State.

Days suitable for fieldwork 6.50. Soil moisture 85% short, 15% adequate. Corn mature 16%, 0% 1990, 6% avg. Soybeans turning yellow

20%, 0% 1990, 6% avg. Pasture condition as a % of normal, where 100% = normal, was 60%. Alfalfa third cutting 60%, 40% 1990, 54% avg.; 5% very poor, 25% poor, 50% fair, 19% good, 1% excellent.

INDIANA: Temperatures normal to 3° above normal. Highs upper 80s to low 90s. Lows upper 50s to lower 60s. Rainfall 0.20 to 1.30 in. most areas. More rain north, central, less south.

Days suitable for fieldwork 6.6. Topsoil 84% short, 16% adequate. Subsoil 90% short, 10% adequate. Corn acreage mature 2%. Soybeans turning color 12%, 0% 1990, 2% avg.; shedding leaves 1%. Tobacco harvested 18%, 1% 1990, 1% avg. Peaches harvested 90%. Alfalfa hay 3rd cutting 45%. Pasture 36% of normal. Wheat acres plowed 17%, 15% 1990, 15% avg. Harvesting seed corn, silo filling underway.

IOWA: Temperatures 0 to 1° below normal. Extremes 47°; 91°. Precipitation 0.02 to 1.84 in.; average 0.54 in.

Days suitable for fieldwork 6.2. Topsoil 49% short, 51% adequate. Subsoil 39% short, 60% adequate, 1% surplus. Hay 4% very poor, 14% poor, 43% fair, 35% good, 4% excellent. Pasture condition 70% of normal. Corn 88% in milk stage, 85% 1990, 96% avg. Third cutting alfalfa 23% harvested, 26% 1990, 40% avg. Second cutting clover hay 84% harvested, 83% 1990, 91% avg. Livestock good, cool weather ideal.

KANSAS: Temperatures below normal. Rainfall all areas, central one third of State received most precipitation.

Days suitable for fieldwork 5.5. Surface moisture 74% short, 26% adequate. Subsurface moisture 88% short, 12% adequate. Row crops stressed by hot, dry weather. Some short season corn harvested in southeast, south central areas. Late season greenbug buildups eastern areas sorghum fields. Range, pastures poor statewide. Pastures northwest, north central fair, west central good, remainder poor. Supplies of hay, roughage adequate all locations. Forage as short except northwest, west central adequate. Stockwater short except in western one third of State. Third cutting alfalfa 89% complete, fourth cutting 15%.

KENTUCKY: Near normal temperatures, rainfall. Daytime highs averaged mid 80s, lows lower 60s. Rainfall varied greatly, few stations 1.00 to 2.00 in., most areas about 0.50 in.

Days suitable for fieldwork 5.7. Soil moisture 49% very short, 40% short, 11% adequate. Scattered showers first half of week. Tobacco 1% very poor, 3% poor, 79% fair, 17% good. Burley 33% cut, 11% 1990, 17% avg. Corn 23% mature, 3% 1990, 10% avg. Pasture, hay crops poor to fair, some hay being fed to livestock.

LOUISIANA: Temperatures 4.4 to 1.5° below normal. Extremes 65°; 94°. Rainfall 0.09 in. northeast to 2.72 in. west central.

Days suitable for fieldwork: 3.9. Soil moisture 67% adequate, 33% surplus. Corn 100% mature, 97% 1990, 92% avg.; 75% harvested, 61% 1990, 42% avg. Cotton insect pressure increased, northeast. Hay 99% first cutting; 21% final cutting, 40% 1990, 30% avg. Peaches 99% harvested, 96% 1990, 99% avg. Rice 62% ripe, 64% 1990, 52% avg. Second crop management continued, southwest. Sorghum 54% ripe, 58% 1990, 43% avg.; 19% harvested, 30% 1990, 20% avg. Soybeans 0% leaves turning color, 6% 1990, 4% avg. Sweet potatoes 72% fair, 28% good; 19% harvested, 14% 1990, 13% avg. Sugarcane 25% fair, 65% good, 10% excellent; 6% planted, 4% 1990, 3% avg. Spraying for borers continued. Vegetables 3% very poor, 16% poor, 53% fair, 28% good. Pastures 1% poor, 7% fair, 26% good, 66% excellent. Livestock 22% fair, 67% good, 11% excellent.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.81 in. Temperature 75.3°, normal 75.0°. Extremes 47°; 94°.

Days suitable for fieldwork 5.3. Topsoil 12% very short, 23% short, 53% adequate, 12% surplus. Subsoil 12% very short, 29% short, 59% adequate. Oats poor to fair. Oats 94% harvested, 86% 1990, 91% avg. Field corn 97% silked, 96% 1990, 94% avg.; 79% dough, 68% 1990, 66% avg.; 49% dent, 36% 1990, 35% avg.; 14% mature, 1% 1990, 3% avg.; 13% harvested for silage, 2% 1990, 6% avg. Soybeans 87% bloomed, 82% 1990, 75% avg.; 69% set pods, 55% 1990, 50% avg. Sorghum 83% headed; 35% turned. Tobacco 77% bloomed, 78% 1990, 76% avg.; 58% topped, 58% 1990, 46% avg.; 23% harvested, 21% 1990, 16% avg. Sweet corn 88% harvested, 68% 1990, 72% avg. Potatoes 75% harvested, 77% 1990, 65% avg. Watermelons 77% harvested, 78% 1990, 77% avg. Cantaloupes 80% harvested, 79% 1990, 82% avg. Cucumbers 92% harvested, 97% 1990, 97% avg. Lima beans 47% harvested, 29% 1990, 38% avg. Tomatoes 78% harvested, 80% 1990, 63% avg. Other hay second cut 66% complete, 71% 1990, 79% avg.; third cut 10% complete, 14% 1990, 27% avg. Alfalfa third cut 81% complete, 60% 1990, 67% avg. Hay supplies adequate. Pasture very poor. Peaches, apples good. Peaches 81% harvested, 67% 1990, 59% avg. Apples 11% harvested, 18% 1990, 14% avg.

DELAWARE: Precipitation 1.08 in. Temperature 75.2°, normal 75.6°. Extremes 61°; 93°.

Days suitable for fieldwork 5.9. Topsoil 14% short, 86% adequate. Subsoil 14% short, 86% adequate. Field corn 85% dough, 68% 1990, 48% avg.; 49% dent, 31% 1990, 54% avg.; 22% harvested for silage. Soybeans 87% bloomed, 82% 1990, 75% avg.; 47% set pods, 28% 1990, 36% avg. Sorghum 93% headed; 17% turned. Sweet corn 68% harvested, 74% 1990, 79% avg. Potatoes 43% harvested, 78% 1990, 74% avg. Watermelons 76% harvested, 49% 1990, 65% avg. Cantaloupes 77% harvested, 88% 1990, 87% avg. Cucumbers 63% harvested, 75% 1990, 80% avg. Lima beans 16% harvested, 19% 1990, 26% avg. Snap beans 75% harvested, 78% 1990, 82% avg. Tomatoes 59% harvested, 70% 1990, 56% avg. Other hay third cut 58% complete, 42% 1990, 57% avg. Alfalfa hay third cut 88% complete, 69% 1990, 81% avg. Hay adequate. Pasture good. Peaches, apples good. Peaches 89% harvested, 98% 1990, 83% avg. Apples 16% harvested, 25% 1990, 20% avg.

MICHIGAN: Temperatures 2 to 8° above normal. Extremes 45°; 94°. Rainfall none to 2.63 in.

Days suitable for fieldwork 5. Soil moisture 25% short, 70% adequate, 5% surplus. Corn 45% dough, 10% 1990, 30% avg.; 10% dent, 0% 1990, 5% avg.; 2% very poor, 8% poor, 25% fair, 45% good, 20% excellent. Soybeans 100% blooming, 95% 1990, 95% avg.; 75% setting pods, 65% 1990, 65% avg.; 1% very poor, 4% poor, 30% fair, 45% good, 20% excellent. Pasture condition 75% of normal.

MINNESOTA: Temperatures 0 to 7° above normal. Extremes 44°; 94°. Precipitation 0.11 to 0.96 in. Greatest weekly total 1.32.

Days suitable for fieldwork 5.6. Topsoil 11% very short, 22% short, 57% adequate, 10% surplus. Spring wheat 91% swathed 91% 1990, 86% avg.; 83% combined, 82% 1990, 79% avg. Oats 99% swathed, 97% 1990, 96% avg.; 96% combined, 91% 1990, 91% avg. Barley 99% swathed, 96% 1990, 87% avg.; 98% combined, 96% 1990, 87% avg. Field corn 95% in milk, 80% 1990, 93% avg.; 64% in dough, 20% 1990, 61% avg.; 17% dent, 2% 1990, 24% avg. Soybeans 86% setting pods, 94% 1990, 94% avg.; 6% turning yellow, 2% 1990, 9% avg. Winter wheat 99% harvested, 99% 1990, 97% avg. Rye 94% harvested, 93% 1990, 96% avg. Potatoes 9% harvested, 2% 1990, 3% avg. Sweet corn 54% harvested, 21% 1990, 46% avg. Hay, small grain

30% stubble plowed, tilled, 28% 1990, 30% avg. Field corn 4% very poor, 5% poor, 31% fair, 53% good, 7% excellent. Soybeans 2% very poor, 5% poor, 27% fair, 59% good, 7% excellent.

MISSISSIPPI: Temperatures 79°, 2.2° below normal. Extremes 57°; 95°. Mostly dry statewide. Rainfall 0.23 in., 0.56 below normal. Soil temperatures 86°. Days suitable for fieldwork 6.1, 6.1 1990, 5.4 avg. Soil moisture 5% very short, 58% short, 37% adequate. Corn 90% dough, 95% 1990, 95% avg.; 75% denting, 81% 1990, 83% avg.; 47% mature, 50% 1990, 47% avg.; 12% harvest, 10% 1990, 10% avg.; silage harvest 75%, 66% 1990, 61% avg.; 1% very poor, 17% poor, 37% fair, 37% good, 8% excellent. Cotton 98% setting bolls, 100% 1990, 98% avg.; 5% open bolls, 8% 1990, 13% avg.; 4% poor, 47% fair, 45% good, 4% excellent. Rice 48% heading, 86% 1990, 86% avg.; 8% mature, 14% 1990, 22% avg.; 12% very poor, 2% poor, 60% fair, 24% good, 2% excellent. Sorghum 86% heading, 94% 1990, 96% avg.; 52% coloring, 57% 1990, 68% avg.; 42% mature, 22% 1990, 29% avg.; 6% harvest, 4% 1990, 7% avg.; 44% silage harvested, 43% 1990, 36% avg.; 1% very poor, 4% poor, 79% fair, 16% good. Soybeans 69% blooming, 81% 1990, 76% avg.; 37% podding, 57% 1990, 51% avg.; 5% coloring, 6% 1990, 5% avg.; 2% very poor, 26% poor, 45% fair, 24% good, 3% excellent. Sweet potatoes 20% harvested, 10% 1990, 7% avg. Watermelons 90% harvested, 90% 1990, 86% avg. Hay 77% harvested, 76% 1990, 73% avg. Peaches 43% poor, 36% fair, 19% good, 2% excellent. Pecans 16% very poor, 11% poor, 59% fair, 14% good. Livestock 21% fair, 58% good, 21% excellent. Pasture 92% of normal.

MISSOURI: Temperatures 1 to 6° below normal in State. Less than 0.50 in. rainfall on path southwest to north central districts.

Days suitable for fieldwork 6.6. Topsoil 83% short, 17% adequate. Subsoil 76% short, 23% adequate, 1% surplus. Rainfall remains insufficient to improve crop condition. Corn, 90%, dough stage or beyond, least advanced northeast, complete west central. Corn, 72% dent stage or beyond, least advanced north central, east central, most advanced southeast. Corn, 19% mature, most advanced southeast district. Soybeans 88% blooming, 67% podding, most advanced northern two thirds of State with at least 90% blooming, 64% podding. Sorghum heading 83%, least advanced northeast 74%, most advanced northwest, north central 92%. Sorghum coloring 41%, most advanced southeast. Alfalfa hay third cutting 73%, 57% 1990, 77% avg. Pasture 32% very poor, 32% poor, 28% fair, 8% good. Livestock water supply 12% critically short, 43% short, 45% adequate.

MONTANA: Temperatures normal to above normal. Precipitation heavy, scattered central, north central. Dry west, south central.

Days suitable for fieldwork 6.2. Topsoil 52% short, 46% adequate, 2% surplus. Subsoil 47% short, 50% adequate, 3% surplus. Winter wheat harvested 52%, 84% 1990, 80% avg.; 2% very poor, 6% poor, 27% fair, 41% good, 24% excellent. Spring wheat 1% very poor, 6% poor, 16% fair, 50% good, 27% excellent. Barley harvested 35%, 46% 1990, 46% avg.; 1% very poor, 3% poor, 17% fair, 47% good, 32% excellent. Oats harvested 32%, 52% 1990, 45% avg.; 1% very poor, 3% poor, 17% fair, 58% good, 21% excellent. Sugarbeets 5% very poor, 5% poor, 27% fair, 42% good, 21% excellent. Second cutting alfalfa harvested 50%, 59% 1990, 63% avg. Other hay harvested 93%, 87% 1990, 91% avg. Pasture, range feed 90% of normal.

NEBRASKA: Temperatures 1 to 4° below normal. Rainfall less than 0.10 in. west to 3.00 in. east. Days suitable for fieldwork 6.1. Topsoil 79% short, 21% adequate. Subsoil 73% short, 27%

adequate. Corn 3% very poor, 8% poor, 24% fair, 53% good, 12% excellent; 86% dough, 61% 1990, 75% avg.; 35% dented, 9% 1990, 27% avg. Sorghum 6% very poor, 21% poor, 49% fair, 21% good, 3% excellent; 88% headed, 79% 1990, 88% avg.; 21% turning color, 4% 1990, 19% avg. Soybeans 4% very poor, 16% poor, 42% fair, 33% good, 5% excellent; 89% setting pods, 65% 1990, 85% avg. Alfalfa 8% very poor, 23% poor, 35% fair, 33% good, 1% excellent; 46% third cutting, 57% 1990, 53% avg. Pasture, range condition 77% of normal.

NEVADA: Temperatures above normal. Extremes 32°; 107°. Precipitation trace to 2.35. Remnants of tropical storm, Hilda, spread north from southern areas early in the week. Late in week, heavy showers occurred in northern, western areas. High temperatures associated with the storm system were as much as 15° below normal in west. Temperatures returned to above normal by weekend.

Crops benefited from moisture, cooler temperatures. Alfalfa harvest continues in areas where second or third cuttings are possible. Livestock remain mostly good. Ranges, pastures remain fair to good.

NEW ENGLAND: Precipitation none to 0.50 in., up to 0.85 in. New Hampshire, Massachusetts. Temperatures high 60s to low 70s north; 4 to 8° above normal. Maximum temperatures mid 80s to low 90s; minimum mid 40s to low 60s.

Days suitable for fieldwork 5.8. Soil moisture 3% very short, 39% short, 58% adequate. Grazing availability 17% very short, 45% short, 38% adequate. Fieldwork 4.4 days ahead of schedule. Maine potatoes fair to good. Rhode Island potatoes 15% harvested, 15% 1990, 13% avg.; fair. Connecticut Valley potatoes 14% harvested, 5% 1990, 7% avg.; fair. Sweet corn 64% harvested, 55% 1990, 50% avg.; fair to good. Second cut hay 74% complete, 58% 1990, 62% avg.; fair. Third cut hay 25% complete, 21% 1990, 20% avg.; fair. Connecticut Valley shade, outdoor harvested; fair to good, size small to medium. Peaches 37% harvested; fair to good. Cranberries good. Blueberry harvest 82% complete, size medium, good.

NEW JERSEY: Temperatures above normal. Extremes 55°; 93°. Rainfall 0.40 in. north, 1.91 in. central, 2.14 in. south. Heaviest 24 hour total 2.23 in., on 18th, 19th. Estimated soil moisture percent field capacity, averaged 62% north, 64% central, 65% south. Four inch soil temperature 71° north, 74° central, 75° south.

Soil moisture excessive central, south. Fall vegetable planting near completion. Rain halted potato digging. Summer vegetable harvest past peak. Peach harvest into late season varieties. Fall apples continued to make good size, increased color. Third cutting of hay resumes as conditions permit. Early field corn in dent stage. Early soybeans setting pods. Pasture growth continued to improve.

NEW MEXICO: Clouds, precipitation kept temperatures 2° below normal, some areas 4 to 5° below normal in the east. Precipitation fell at most locations with the northwest corner remaining dry.

Days suitable for fieldwork 5.1. Soil moisture 3% short, 90% adequate, 7% surplus. Crop conditions: Alfalfa 7% poor, 30% fair, 63% good. Corn 93% good, 7% excellent. Onions 14% poor, 14% fair, 72% good. Chile 36% fair, 64% good; harvest progressing. Some wilt problems from excess rain. Pecans 33% fair, 67% good. Apples 86% fair, 14% good. Reports of cotton rust in south central areas. Hail damage 65% none, 31% light, 4% moderate. Cattle, sheep

fair to excellent statewide. Range 82% of normal, low of 30; high of 110.

NEW YORK: Unseasonably warm weather continued. Extremes 43°; 93°. Rainfall most areas 0.50 in. or more.

Days suitable for fieldwork 6.1. Soil moisture very short to adequate. Pasture condition 40% of normal. Many areas received beneficial rains, more is needed to restore soil moisture supplies. Corn, hay fair to good. Second cutting alfalfa 92% finished, 78% 1990, 73% avg. Third cutting reached 39% complete, 9% 1990, 8% avg. Oats 83% harvested, 57% 1990, 55% avg. Most corn has tasseled, some early planted fields ready for harvest. Corn silage harvest underway. Vegetable harvest at peak. Progress ahead of usual. Early onion varieties were being harvested. Frost in the Lake Ontario region was in good condition. Rainfall should help fruit size. Apple harvest in the Hudson Valley was as much as two weeks ahead of average. Early grape varieties were being harvested. Bartlett pear harvest underway.

NORTH CAROLINA: Extremes 49°; 92°. Precipitation 0.41 to 4.09 in.

Days suitable for fieldwork 3.3. Soil moisture 1% short, 33% adequate, 66% surplus. Crop condition: Tobacco 1% poor, 31% fair, 65% good, 3% excellent; corn 1% poor, 25% fair, 70% good, 4% excellent; cotton 2% very poor, 2% poor, 25% fair, 68% good, 3% excellent; peanuts 2% poor, 31% fair, 67% good; soybeans 20% fair, 75% good, 5% excellent; hay 19% fair, 79% good, 2% excellent; Sweet potatoes 4% poor, 25% fair, 71% good; Apples 11% poor, 21% fair, 61% good, 7% excellent; sorghum 27% fair, 70% good 3% excellent; Truck crops 2% poor, 39% fair, 57% good 2% excellent; Pasture 2% poor, 14% fair, 75% good, 9% excellent. Harvested: Peaches 95%; flue cured tobacco 48%; corn silage 35%; hay second cutting 73%, third cutting 36%. Cotton setting bolls 94%, open boll 8%, corn soft dough 96%; corn dent 84%; corn mature 54%; soybeans blooming 75%; soybeans setting pods 54%; tobacco topped 97%.

NORTH DAKOTA: Temperatures 1° above normal central, south central, southeast to 3° above normal northwest, northeast. Extremes 51° east central, southwest; 96° west central, southeast. Precipitation 0.30 in. southeast to 0.99 in. northeast.

Days suitable for fieldwork 5.8. Topsoil 23% very short, 45% short, 32% adequate. Subsoil 30% very short, 45% short, 25% adequate. Crop condition mostly good. Spring wheat 72% combined, 59% 1990, 63% avg.; durum 43% combined, 38% 1990, 46% avg.; oats 78% combined, 73% 1990, 72% avg.; barley 89% combined, 88% 1990, 80% avg.; Corn 16% denting or beyond, 4% 1990, 16% avg.; sunflower 30% flowers dried, dropped or beyond, 22% 1990, 29% avg.; flax 5% combined, 1% 1990, 5% avg.; potatoes 15% vines killed or beyond, 0% 1990, 12% avg.; soybeans 36% lower leaves yellowing or beyond, 19% 1990, 26% avg.; dry edible beans 35% mature or beyond, 16% 1990, 12% avg. Pasture conditions 79% of normal. Alfalfa hay second cutting 76% complete, other hay first cutting 94% complete. Stockwater 5% very short, 61% short, 34% adequate.

OHIO: Slightly cooler temperatures still resulted in an average of 0 to 4° above normal. Highs 80 to 90° while lows were between 55 to 65°. Widely scattered rainfall resulted in 0.25 in. or less over most of the State. Some areas received 0.33 to 0.75 in. Most of the State received rain on 17th.

Days suitable for fieldwork 6.5. Soil moisture 81% short, 18% adequate, 1% surplus. Pastures 35% very poor, 36% poor, 22% fair, 7% good, 1%

excellent. Tomato harvest 30%, 3% 1990, 13% avg. Potato harvest 20%, 15% 1990, 18% avg. Summer apple harvest 74%, 61% 1990, 64% avg. Third cut alfalfa 51%, 32% 1990, 34% avg. Second cut other hay 81%, 69% 1990, 74% avg.; third cut 40%, 14% 1990, 14% avg. Corn for silage 9%, 1% 1990, 5% avg.

OKLAHOMA: Temperatures 2° below normal northeast to 7° below normal southwest. Precipitation 0.15 in. Panhandle to 1.28 in. southwest.

Days suitable for fieldwork 6.0. Topsoil 69% short, 31% adequate. Subsoil 57% short, 43% adequate. Wheat 98% ground plowed, 97% 1990, 97% avg.; 51% seedbed prepared, 20% 1990, 37% avg. Cotton 98% squaring, 100% 1990, 95% avg.; 93% setting bolls, 90% 1990, 77% avg.; 1% open bolls, 1% 1990, 0% avg. Cotton fair to good. Sorghum 73% headed, 33% 1990, 75% avg.; 20% milk to soft dough, 9% 1990, 34% avg.; 5% mature, 0% 1990, 4% avg.; good to fair. Soybeans 69% flowering, 56% 1990, 75% avg.; 37% setting pods, 24% 1990, 51% avg.; 1% mature, 0% 1990, 2% avg. Peanuts 90% pegging, 97% 1990, 97% avg.; 79% setting pods, 78% 1990, 74% avg.; 4% mature, 1% 1990, 1% avg. Corn 99% milk to soft dough, 98% 1990, 91% avg.; 18% mature, 27% 1990, 30% avg.; 4% harvested, 7% 1990, 2% avg. Pasture 80%. Crop insect activity light to moderate. Cattle good; marketings average, prices lower.

OREGON: Sunshine, afternoon thunderstorms most of State, coast cool, cloudy. Temperatures warm daytime, downward trend in nighttime lows; departures plus 5° east, interior; departures near 0° avg. coast, northeast. Precipitation light, spotty; thunderstorms, Cascade Crest east; several reports near 0.25 in., isolated to 0.50 in; interior west, dry; trace amounts, coast.

Soil moisture 79% short, 21% adequate. Winter wheat, barley harvest continued, yields disappointing, Wasco County, mixed, Gilliam County; disease showing, winter wheat, Sherman County. Grass seed harvest near completion, statewide. Mint harvest underway, fair, good yields, Marion County. Second, third alfalfa cuttings, good yields, quality, Harney, Wallowa County. Tart cherry harvest completed, early peach harvest started, Willamette Valley. Fall fruiting raspberries being picked; post harvest fertilizing, cut back strawberry field, red raspberry pruning activities. Blueberry, peach harvest continued, transparent, McIntosh apples being picked, Lane County. Red haven peach harvest completed, Douglas County. Starkrimson pear harvest started, Bartlett picking 24th, Medford district. Cranberry crop good to excellent, color showing, south coast. Sweet corn, snap beans, broccoli, cucumber harvest continued; early onion tops beginning to go down, Willamette Valley. Table beet harvest started. Potato harvest continued, Morrow, Umatilla County. Seed potatoes growing rapidly, set appears good, Wallowa County. Livestock good to excellent; forage short some parts, east; some early weaning calf herds, Jefferson County. Public land summer range near completion, Klamath County. Sales, contracts at standstill due to price drop, Wallowa County. Statewide range, pasture 12% poor, 30% fair, 38% good, 20% excellent.

PENNSYLVANIA: Dry, warm week across the Commonwealth. Temperature 73°, 2° above normal. Extremes 47°; 92°. Precipitation 0.24 in., 0.61 in. below normal.

Days suitable for fieldwork 6. Soil moisture 93% short, 7% adequate. Corn 94% silk, 79% 1990, 86% avg.; 58% dough, 28% 1990, 42% avg.; 17% dent, 5% 1990, 8% avg.; 2% mature. Ensilage

corn harvested 8% complete, 0% 1990. Corn 23% very poor, 28% poor, 27% fair, 17% good, 5% excellent. Soybean 13% very poor, 27% poor, 35% fair, 21% good, 4% excellent. Wheat planted 2% complete, 0% 1990. Oats harvest 95% complete, 82% 1990. Barley planted 1% complete, 0% 1990. Tobacco harvest 22% complete, 9% 1990. Potato harvest 23% complete, 19% 1990. Second cutting alfalfa 92% complete, 82% 1990. Third cutting alfalfa 47% complete, 30% 1990. Fourth cutting alfalfa 2% complete, 3% 1990. Second cutting clover timothy 72% complete, 63% 1990. Feed from pastures 65% very poor, 25% poor, 9% fair, 1% good. Quality of hay made mostly fair. Apple harvest 24% complete, 14% 1990. Peach harvest 68% complete, 46% 1990. Grapes harvest 18% complete, 4% 1990. Fall plowing 12% complete, 13% 1990.

PUERTO RICO: Rainfall 0.78 in., 0.82 in. below normal. Highest weekly total 4.34 in. at Sabana Grande, 3.16 in. at Lares, 2.75 in. at Cerro Marvilla. Divisional temperatures 82 to 83° on the coast, 76 to 77° in the interior with mean station temperature 64.1° Cerro Maravilla to 84.8° in Guayama. Extremes 58°; 95°.

SOUTH CAROLINA: Temperatures above normal. Precipitation was near normal.

Days suitable for fieldwork 3.6. Soil moisture 7% short, 75% adequate, 18% surplus. Cotton; 1% poor, 75% fair, 24% good; 11% open bolls, 8% 1990, 6% avg. Watermelons fair; 91% harvested, 89% 1990, 90% avg. Cantaloupes fair to good; 88% harvested, 87% 1990, 88% avg. Peaches fair to good; 89% harvested, 91% 1990, 91% avg. Apples good; 13% harvested, 11% 1990, 8% avg. Cucumbers fair to good; 95% harvested. Snap beans fair to good; 58% harvested. Sorghum fair to good; 18% harvested, 19% 1990, 14% avg. Soybeans 6% fair, 88% good, 6% excellent; 80% blooming, 72% 1990, 69% avg.; 42% setting pods, 31% 1990, 34% avg.; 2% leaves turning, 1% 1990, 2% avg. Tobacco fair to good; 74% harvested, 64% 1990, 64% avg.; 10% stalks destroyed, 5% 1990, 4% avg. Corn fair to good; 90% matured, 90% 1990, 73% avg.; 19% harvested, 39% 1990, 19% avg. Fall hay fair to good; 39% harvested, 28% 1990, 38% avg. Peanuts fair to good; 2% harvested; 1% 1990, 0% avg. Sweet potatoes fair to good; 25% harvested; 5% 1990, 4% avg. Pastures fair to good.

SOUTH DAKOTA: Seasonable temperatures; generally below precipitation. Extremes 35°; 98°. Precipitation up to 3.74 in. southwest.

Days suitable for fieldwork 5.5. Topsoil 5% critical, 55% short, 35% adequate, 5% surplus. Subsoil 13% critical, 48% short, 33% adequate, 6% surplus. Flax 2% poor, 21% fair, 60% good, 17% excellent. Sunflowers 1% poor, 15% fair, 69% good, 15% excellent. Livestock 4% fair, 80% good, 16% excellent. Pasture conditions 90% of normal.

TENNESSEE: Scattered showers east through 14th. Dry weather under high pressure prevailed statewide. Temperatures below normal.

Days suitable for fieldwork 5.2. Soil moisture 16% very short, 46% short, 34% adequate, 4% surplus. Corn 75% dough, 68% 1990, 85% avg.; 50% dent, 42% 1990, 61% avg.; 12% mature, 6% 1990, 16% avg.; 4% very poor, 7% poor, 46% fair, 41% good, 2% excellent. Cotton 4% open bolls, 3% 1990, 5% avg.; 4% very poor, 6% poor, 55% fair, 32% good, 3% excellent. Sorghum 78% headed, 85% 1990, 92% avg.; 24% turning color, 26% 1990, 64% avg.; 8% mature, 2% 1990, 22% avg.; 2% very poor, 10% poor, 58% fair, 28% good, 2% excellent. Soybeans 72% blooming, 72% 1990, 76% avg.; 28% setting pods, 40% 1990, 51% avg.; 2% very poor, 16% poor, 48% fair, 29% good, 5% excellent. Tobacco 78% topped, 78% 1990, 69% avg.; burley 22% harvested, 14% 1990, 16% avg.; dark fired 14% harvested, 18%

1990, 17% avg.; dark air cured 10% harvested, 18% 1990, 16% avg.; 4% poor, 27% fair, 67% good, 2% excellent. Pastures 1% very poor, 8% poor, 40% fair, 43% good, 8% excellent. Cattle 1% poor, 21% fair, 76% good, 2% excellent. Tobacco, hay harvests; fieldwork; routine chores main activities.

TEXAS: Weak front moved into State early in week, lingered throughout week, acting as focus for thunderstorm activity. Thunderstorms occurred over all, extreme Southern sections. Some heavy rains fell in north central, south central districts. Daytime temperatures depressed except in southern areas. Temperatures much below normal on Plains, Cross Timbers areas, below normal except Coastal, southern sections. Rainfall above normal except Coastal, southern areas. Rain totals over an inch above normal recorded in north central, East Texas areas.

Crops: Corn fields continued good progress in High Plains. Most areas, scattered showers halted harvesting early in week. Silage harvest full swing conditions allowed. Yield potential High Plains ranged good to excellent. Corn 56% mature, 64% 1990, 64% avg.; 45% harvested, 54% 1990, 52% avg. Sorghum harvest began Low Plains. Some fields light infestation of greenbugs High Plains. Producers in Blacklands expecting lower yields than anticipated. Sorghum 65% mature, 68% 1990, 59% avg. Corn 64% harvested, 49% 1990, 50% avg. Cotton harvest winding down Rio Grande Valley as gins go full force. Fields benefited from cooler temperatures, rain most areas. Irrigated, dryland fields benefited immensely from rain in Plains. Bollworms continued cause some problems. Cotton 10% harvested, 6% 1990, 7% avg. Rice harvest continued throughout week. Upper Coastal area, some disease affected all varieties lowering potential yields. Soybean harvest continued good progress. Some fields suffered insect problems in High Plains. State peanut crop most areas showed excellent growth. Some fields Low Plains suffered due to excess moisture. Some disease problems, leafspot occurred in Cross Timbers. Peanut 83% of normal. Peanut 3% poor, 28% fair, 54% good, 15% excellent.

Commercial Vegetables: Rio Grande Valley, some fields showed signs stress due to high, hot winds. East Texas, fall planting began crops in good shape. Sweet potato, watermelon harvest continued. High Plains, potatoes nearing completion. Carrots continued maturing. Onion, cucumbers, cantaloupe harvest progressing. Trans Pecos, green chile harvest continued. Most pecan trees continued nut drop. Aphid population reached economic level, treatment began limited basis.

Range and Livestock: Range, pastures improved tremendously over last week. Forage conditions revived after needed rainfall. Livestock looking good with limited hornfly infestation some areas. Range, pasture 5% poor, 29% fair, 50% good, 16% excellent.

UTAH: Temperature maximums 1° above normal, minimums 4° above normal. Moderate precipitation all divisions; with greatest amounts occurring in the northern mountains, Uinta Basin, least in the western division.

Days suitable fieldwork 6.6. Soil moisture 84% short, 16% adequate. Winter wheat 95% harvested, 100% 1990, 95% avg. Spring wheat 83% harvested, 83% 1990, 76% avg. Barley 76% harvested, 85% 1990, 82% avg. Oats 75% ripe, 59% avg.; 37% harvested for grain, 64% 1990, 53% avg.; 80% harvested for hay silage, 90% 1990, 89% avg. Corn 80% tasseling; 7% in dough, 14% 1990, 24% avg. Alfalfa second cutting 90% complete, 93% 1990; third cutting 10% completed,

19% 1990, 14% avg. Pasture and range mostly good to excellent. Irrigation water supply 10% very short, 50% short, 40% adequate. Stock water supply 1% very short, 49% short, 50% adequate. Hay, roughage 20% short, 60% adequate, 20% surplus. Tart cherry harvest 97% complete. Apricot harvest 90% complete. Date apple picking will begin around September 3, 1991. Peach picking is getting started, with pear, apple harvest to begin in late August, early September respectively.

VIRGINIA: Near normal temperatures, rainfall. Rainfall 0.01 to 2.56. Extremes 47°; 94°. Days suitable for fieldwork 4.6. Topsoil 4% very short, 19% short, 57% adequate, 20% surplus. Corn 85% silked, 92%, 90% 1990, 89% avg.; dough 70%, 58% 1990, 60% avg.; dented 49%, 41% 1990, 42% avg.; mature 28%, 21% 1990, 20% avg.; silage harvested 10%, 16% 1990, 5% avg. Corn for grain harvest 1%, 0% for both last year and average. Corn 4% very poor, 22% poor, 37% fair, 32% good and 5% excellent. Soybeans 76% bloomed, 70% 1990, 66% avg.; setting pods 47%, 47% 1990, 42% avg.; 2% poor, 50% fair, 47% good, 1% excellent. Apple, peach harvest continued. Flue cured harvested 35%, 32% 1990, 20% avg. Fire harvested 20%, 34% 1990, 20% avg. Burley harvested 7%, 1% 1990, 1% avg. Sun harvested 20%, 18% 1990, 14% avg. All tobacco condition 40% fair, 59% good, 1% excellent. Peanut 20% poor, 20% fair, 40% good, 20% excellent. Alfalfa 4% very poor, 6% poor, 24% fair, 58% good, 8% excellent. Other hay 4% very poor, 27% poor, 13% fair, 51% good, 5% excellent. Pasture 5% very poor, 11% poor, 28% fair, 47% good, 9% excellent. Livestock mostly good. Harvest tobacco, hay, silage.

WASHINGTON: Temperatures normal to 5° below normal east; 4° above normal to 2° below normal west. Precipitation none to 0.39 in. east; none to 1.24 in. west.

Days suitable for fieldwork 7.0. Soil moisture 41% very short, 59% short. Irrigation water 100% short. Hay, other roughage 1% short, 96% adequate, 3% surplus. Range, pasture 36% poor, 20% fair, 44% good. Winter wheat 13% poor, 69% fair, 18% good; 55% harvested. Spring wheat 12% poor, 61% fair, 27% good; 45% harvested. Barley 2% poor, 35% fair, 52% good, 11% excellent; 36% harvested. Potatoes 100% good; 11% harvested. Dry beans 100% good. Corn 100% good. Dry peas 53% harvested. Alfalfa hay 2nd cutting 92%; 3rd cutting 32%. Wheat, barley harvest continued two weeks behind normal. Grant County expects to start winter wheat planting. Hop, alfalfa seed harvest expected to start in two weeks. Sweet corn harvest underway. Second, third cutting of alfalfa hay continued. Apples progressing well. Bartlett pear picking started. Hail damaged some fruit in Okanogan County. Harvest of summer vegetables continued. Fall bearing raspberries beginning to ripen. Livestock doing well on summer pastures.

WEST VIRGINIA: Temperature 70°. Extremes 49°; 95°. Precipitation 0.29 in.

Days suitable for fieldwork 5.2. Soil moisture 20% very short, 36% short, 44% adequate. Corn, 6% very poor, 31% fair, 63% good; 95% silked, 68% dough stage. Oats good; 98% ripe, 98% headed, 78% harvested. Gardens, 4% very poor, 4% poor, 62% fair, 30% good. Tobacco, good; 65% topped. Hay, 22% very poor, 15% poor, 36% fair, 27% good; 44% second cutting. Apples fair. Peaches fair. Pastures, 22% very poor, 16% poor, 45% fair, 17% good; 62% of normal. Cattle, good. Sheep, good.

WISCONSIN: Temperature 70°, 2° above normal. Extremes 43°; 92°. Precipitation 0.10 to 1.10 in.

(continued to back cover)

International Weather and Crop Summary

HIGHLIGHTS

August 11 - 17, 1991

USSR ... In Western USSR, scattered showers cause little harvest delay across the south. Heavier rain slows fieldwork in the north. In the New Lands, periodic showers hamper early grain harvesting.

EUROPE ... Hot weather persists in Spain. Harvest progresses in the west and north, but more rain falls in the southeast.

EASTERN ASIA ... Typhoon Fred brings heavy rains to southern China. Drier weather aids maturing crops elsewhere.

SOUTHEAST ASIA ... Typhoon Fred, which brought heavy rains and flooding to the Philippines early in the week, hits northern Vietnam.

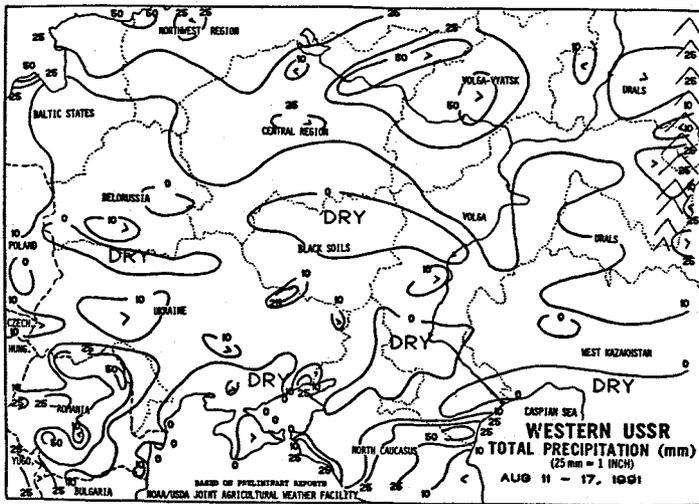
SOUTH ASIA ... Dry weather allows late rice transplanting in the north. Local flooding occurs in rice areas of central and eastern India.

SOUTH AMERICA ... Warm and dry weather in Argentina speeds winter wheat development.

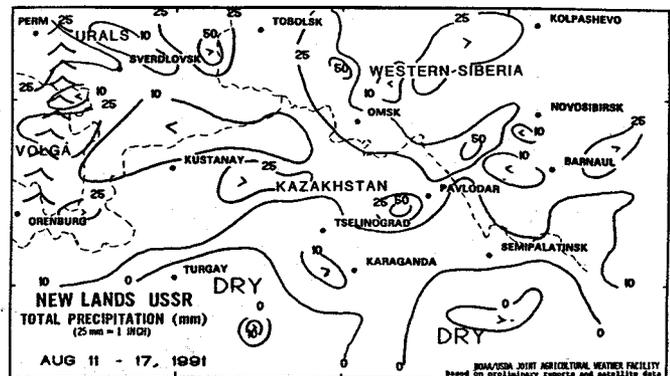
AUSTRALIA ... Dry conditions prevail throughout most crop areas.

CANADA ... Showers and cooler weather in the western Prairies bring relief to heat-stressed grains and oilseeds.

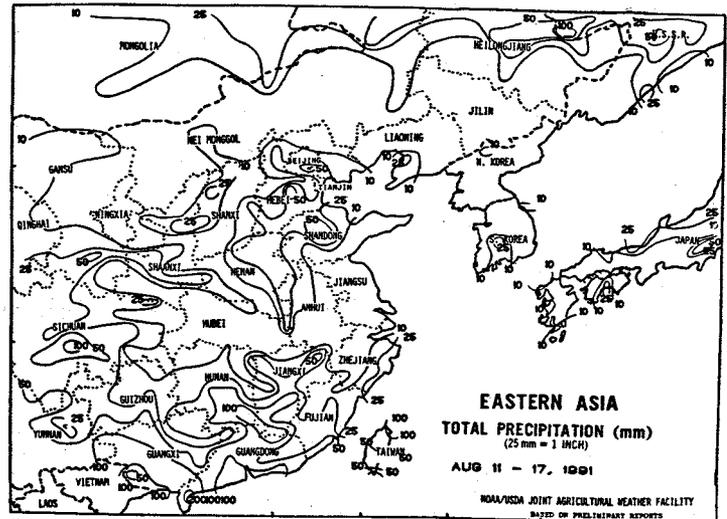
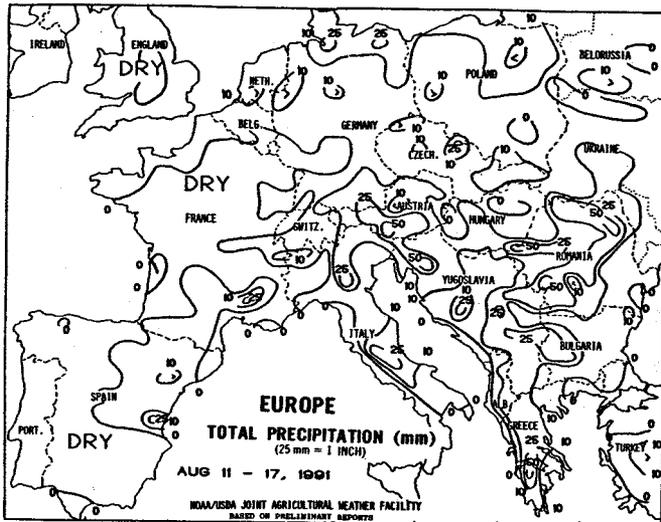
MEXICO ... Seasonal rains continue in the south with scattered showers in the extreme north.



USSR ... In Western USSR, mostly light showers (generally less than 10mm) covered much of European USSR. Scattered heavier rain (10-28mm) dampened some corn areas of the Ukraine, where it has been too wet recently in the west and somewhat dry in the east for grain filling. Dryness continued in much of the North Caucasus, lower Volga, and Black Soils Regions, favoring crop harvesting and hastening ripening of immature crops. Soil moisture reserves are low in these areas. Widespread moderate to locally heavy showers (15-62mm) hampered grain harvesting across northern grain areas, with the greatest harvest delays in Volga Vyatsk and bordering areas of the Central Region.

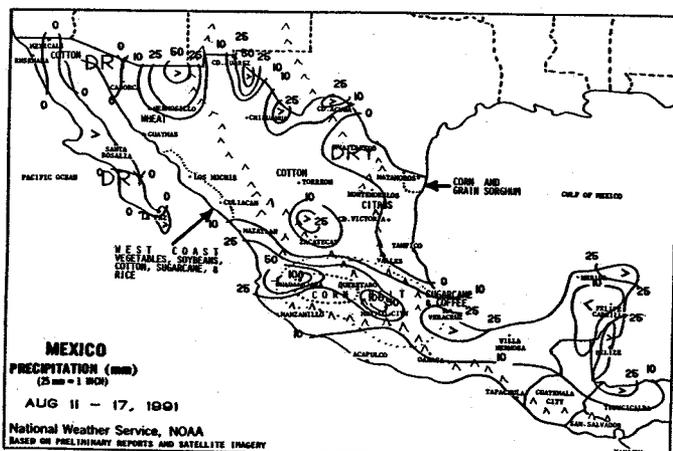


In the New Lands, showery weather covered the spring grain areas, hampering crop maturation and slowing early harvest activities. Widespread rainfall of 15-72mm was common throughout the spring grain region. The untimely moisture came too late for most spring grains. The portion of the crop still immature can benefit from the topsoil moisture, at least by stabilizing conditions which had deteriorated rapidly during July.



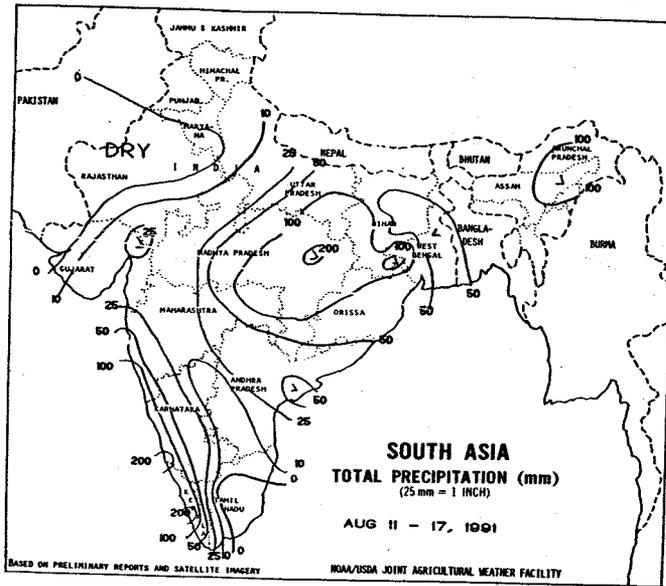
EUROPE ... Unseasonably hot weather over the Iberian peninsula continued to stress summer crops and to deplete irrigation supplies. Dry weather prevailed throughout France and southern England, with mostly light showers (less than 10mm) over north-central Europe, causing minor grain and oilseed harvest delays. Heavier showers (10-29mm) were confined to northern portions of Germany and Poland. In the east, dry weather favored crop harvesting in Hungary, with generally favorable weather for maturing crops in Czechoslovakia. However, the persistent showery pattern continued with brief dry respites across southeastern Europe. In the southeast, weekly rainfall averaged 20-73mm from southern Austria and Romania to Greece, maintaining wet field conditions.

EASTERN ASIA ... Typhoon Fred swept across Hainan in southern China, with sustained winds of 100-110 knots (115-126 mph), heavy rains (100-263mm) in Guangxi and Guangdong, and minor damage to sugarcane. Jiangxi and Fujian received beneficial light to moderate rains (14-65mm), helping to relieve long-term dryness and aiding late-season rice. Only light rains fell along the Yangtze Valley, easing flooding concerns from last weeks' rain and aiding maturing single crop rice. The North China Plain received scattered moderate to heavy showers (39-91mm), delaying corn harvest. Beneficial drier weather prevailed in Manchuria, helping spring wheat harvesting.

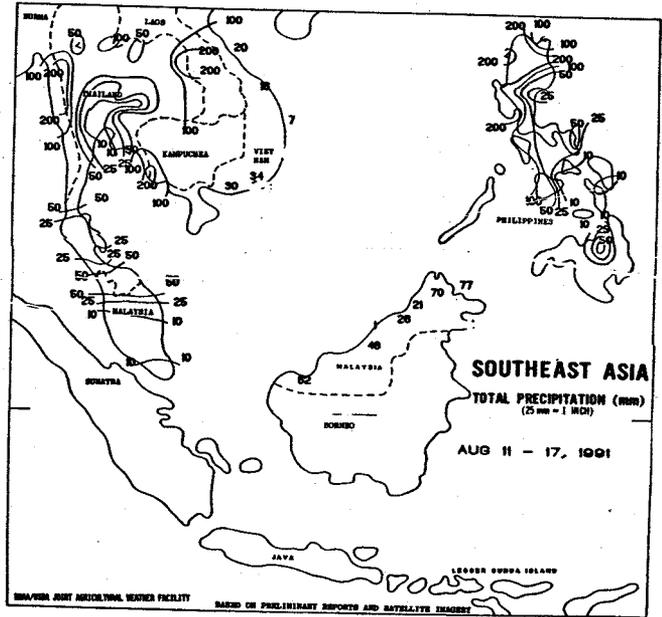


MEXICO ... Moderate to heavy rains (37-124mm) fell across portions of the Southern Plateau Corn Belt, while some southern areas received less than 10mm. Scattered showers fell in the extreme north, aiding reservoir levels.

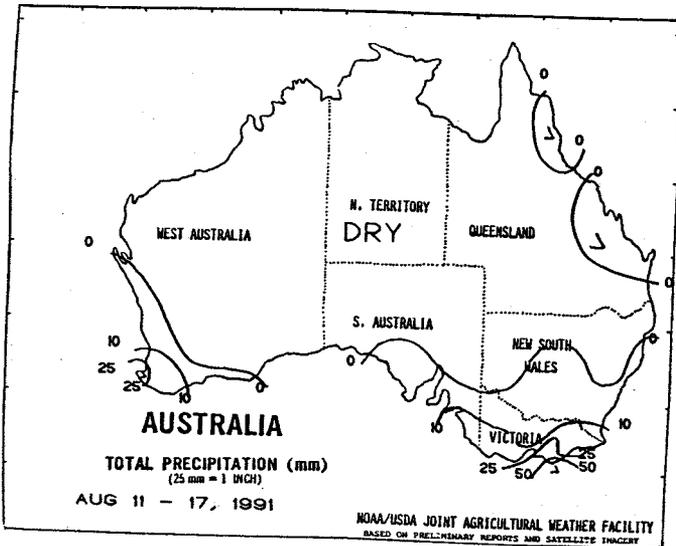
SOUTH AMERICA ... Above-normal temperatures (4 to 6 degrees C) and dry weather speeded winter wheat development in Argentina. Moisture will be needed for adequate establishment and growth. In southern Brazil, light rains (2-19mm) kept soil moisture levels suitable for winter wheat in southern Parana and Santa Catarina.



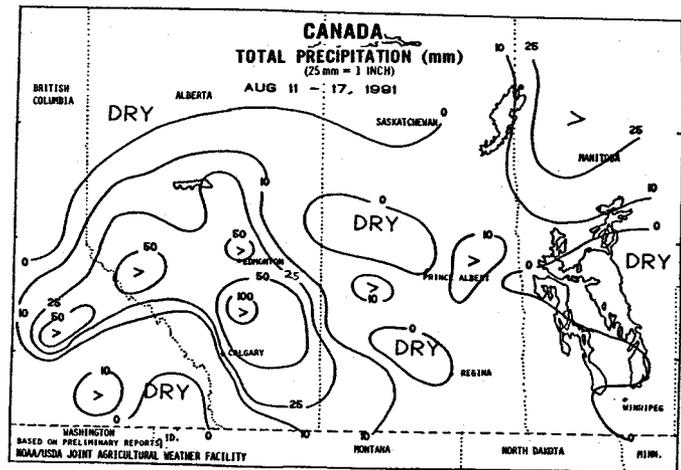
SOUTH ASIA ... Drier- and warmer-than-normal weather returned to northern Pakistan and north-central India, allowing late rice-transplanting following last week's heavy rain. Light to moderate showers (15-58mm) benefited vegetative to reproductive oilseeds, grains, and cotton in Gujarat, western Madhya Pradesh, and Maharashtra, although most amounts were below normal. Further east, heavy showers (100-246mm) in grain areas from eastern Madhya Pradesh to southeastern Bihar likely caused more local flooding. Moderate to heavy showers (25-116mm) continued over primary rice areas of eastern India and Bangladesh. To the south, rainfall tapered off over the southern interior, but moderate showers (19-39mm) benefited reproductive to filling summer crops in Karnataka and northern Andhra Pradesh.



SOUTHEAST ASIA ... Heavy showers (100-300mm or more) from a tropical depression caused more flooding in grain regions of northern and western Luzon, Philippines early in the week. The storm strengthened to become Typhoon Fred, hitting northern Vietnam on the 17th with sustained winds of about 100 knots (115 mph). Rainfall totaled 50-176mm along the northern Vietnamese coast for the week ending on the 17th. Further inland, moderate to heavy showers (50-100mm or more) continued over Thailand's northern and eastern rice areas, with locations along the eastern Laotian border receiving 100-246mm as Fred made landfall. Highly variable rain (9-92mm) fell over Thailand's central corn regions.



AUSTRALIA ... Little or no rain fell across the most winter grain areas, with only portions of Victoria receiving greater than 10mm. Most areas should have sufficient soil moisture except for Queensland and northern New South Wales, which have been tending dry.



CANADA ... Light to moderate showers (10-65mm) and milder temperatures (highs from 28-33 degrees C) in Alberta and sections of western Saskatchewan brought relief to immature grains and oilseeds stressed by last week's outbreak of hot, dry weather. However, the rainfall hampered early grain harvests in southern Alberta, while in central Alberta, heavy showers (65-109mm) and local thunderstorms likely caused local damage. Further east, mostly dry, warmer-than-normal weather favored grain maturation in southern districts but reduced moisture across the north for immature grains and oilseeds.

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(Continued from p. 16)

Days suitable for fieldwork 6.3. Soil moisture 29% short, 69% adequate, 2% surplus. Pasture condition 78% of normal, 82% 1990, 70% avg. General condition of crops 1% poor, 13% fair, 77% good, 9% excellent. Corn 1% very poor, 18% fair, 63% good, 18% excellent; in dough 65%, 21% 1990, 48% avg.; in dent 18%, 5% 1990, 14% avg. Soybean 2% poor, 8% fair, 65% good, 25% excellent. Second crop hay 90% harvested, 87% 1990, 84% avg. Third crop hay harvested 20%, 17% 1990, 17% avg. Oats harvested for grain 82%, 75% 1990, 80% avg. Soybean leaves turned 5%, 2% 1990, 3% 4 year avg.

WYOMING: Temperatures above normal. Rainfall near normal.

Days suitable for fieldwork 6.0. Topsoil 27% short, 73% adequate. Winter wheat 10% mature,

10% 1990, 5% avg.; 90% harvested, 90% 1990, 95% avg. Barley 15% turning color; 30% mature, 30% 1990, 30% avg.; 55% harvested, 70% 1990, 65% avg. Spring wheat 15% turning color, 10% 1990; 45% mature, 40% 1990, 35% avg.; 40% harvested, 55% 1990, 60% avg. Oats 20% turning color, 20% 1990; 40% mature, 50% 1990, 40% avg.; 40% harvested, 25% 1990, 40% avg. Alfalfa second cutting 55% complete, 55% 1990, 60% avg. Other hay 85% harvested, 85% 1990, 85% avg. Dry beans 95% setting pods, 95% 1990, 90% avg.; 10% leaves turning color, 10% 1990, 15% avg. Corn 98% tasseled, 98% 1990, 90% avg.; 80% silked, 70% 1990, 75% avg.; 35% milk, 60% 1990, 55% avg.; 5% dough, 10% 1990, 20% avg. 1992 winter wheat 0% seeded. Ranges, pastures good to excellent. Calf, lamb weights mostly equal to last year. Stockwater 10% short, 90% adequate.

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