

WEEKLY WEATHER AND CROP BULLETIN

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

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

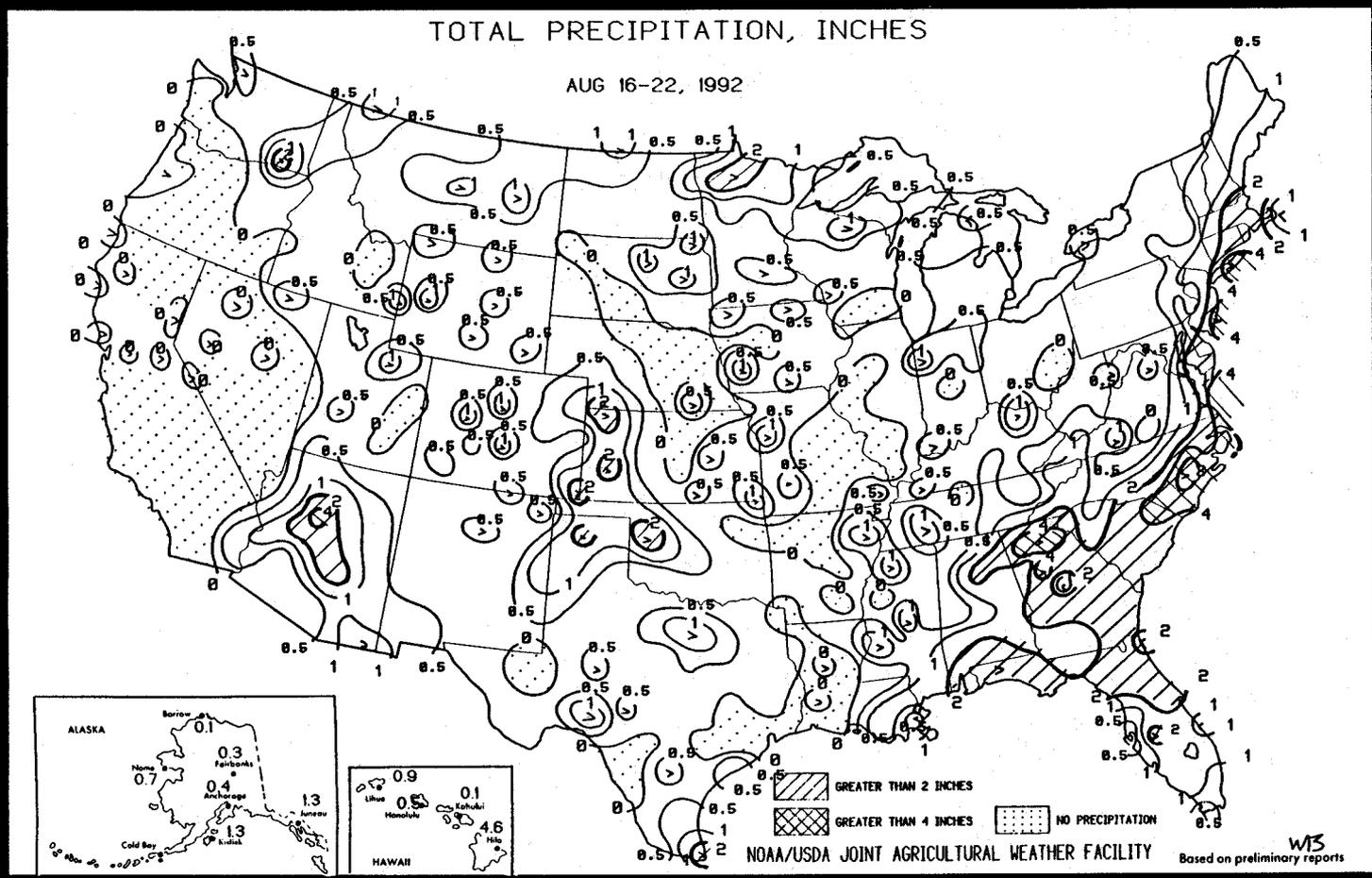
Volume 79, No. 34

Washington, D.C.

August 25, 1992

TOTAL PRECIPITATION, INCHES

AUG 16-22, 1992



HIGHLIGHTS

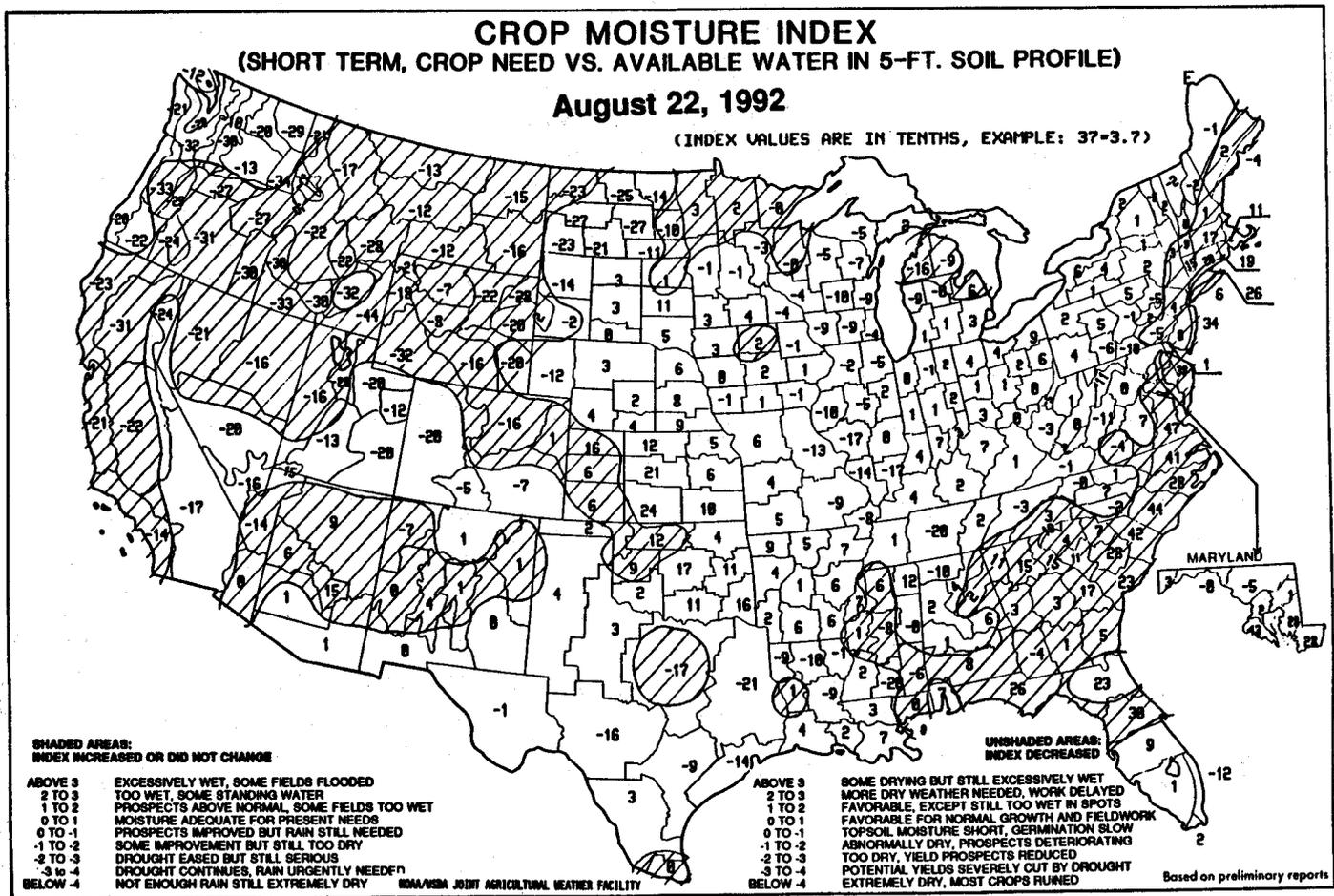
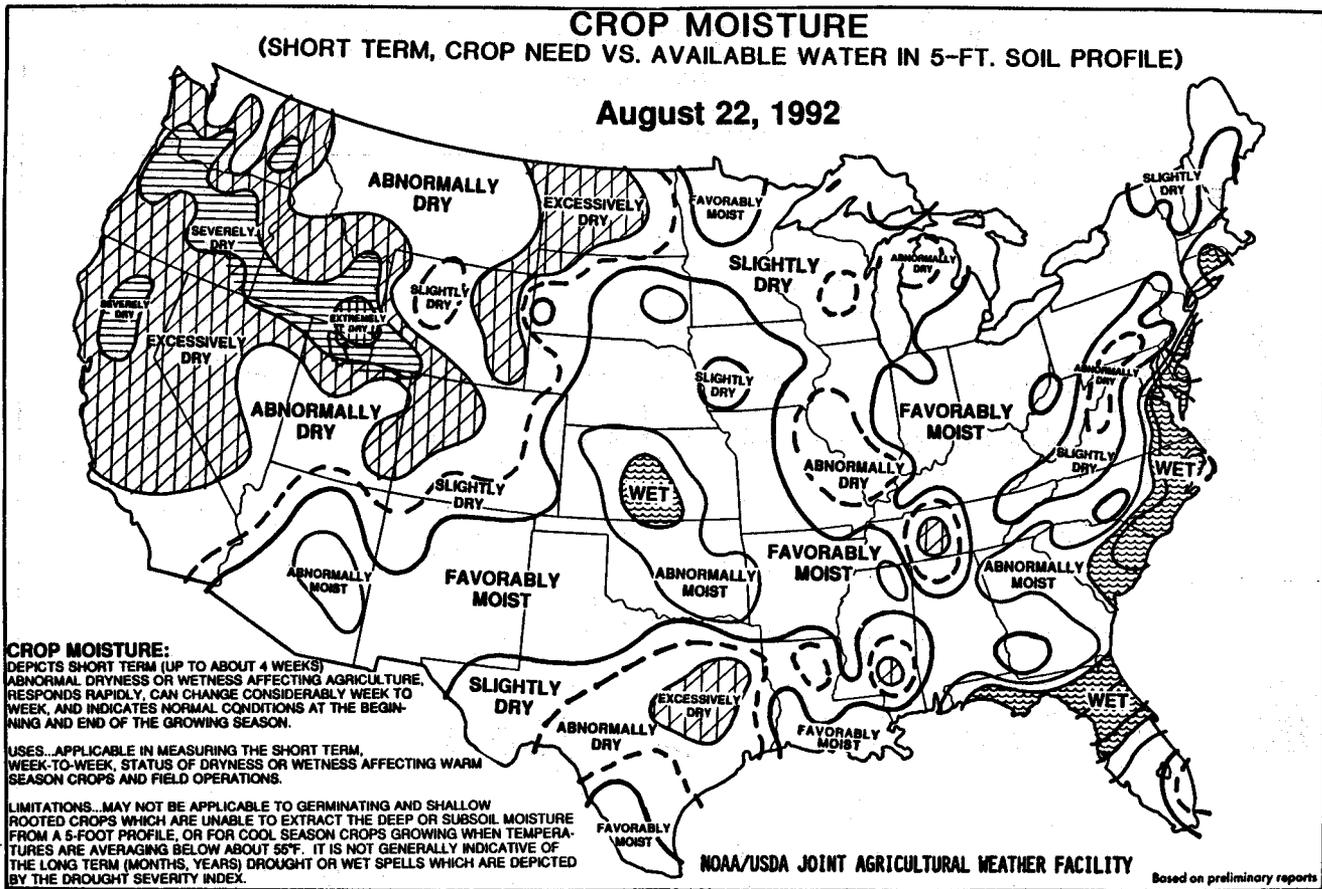
August 16 - 22, 1992

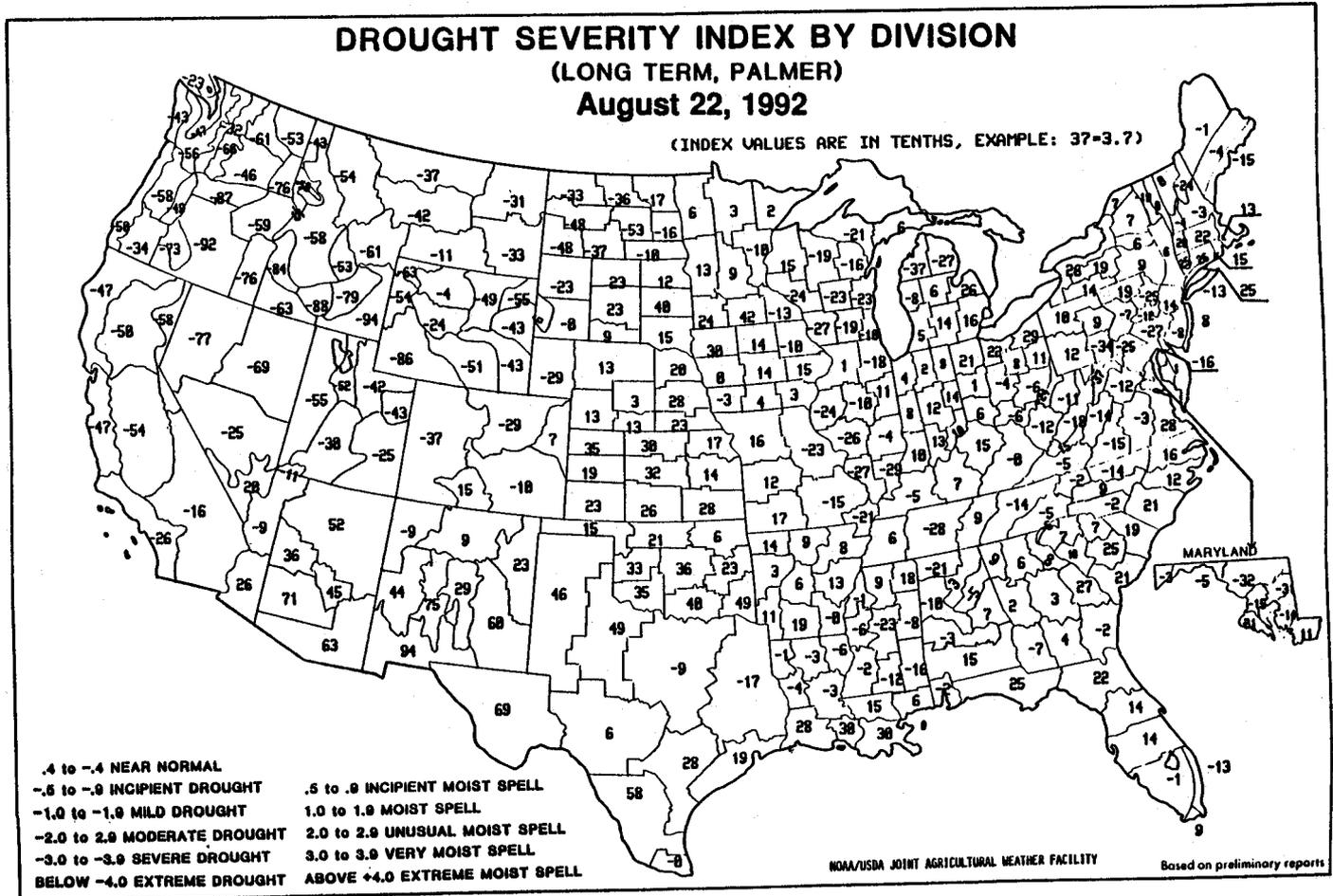
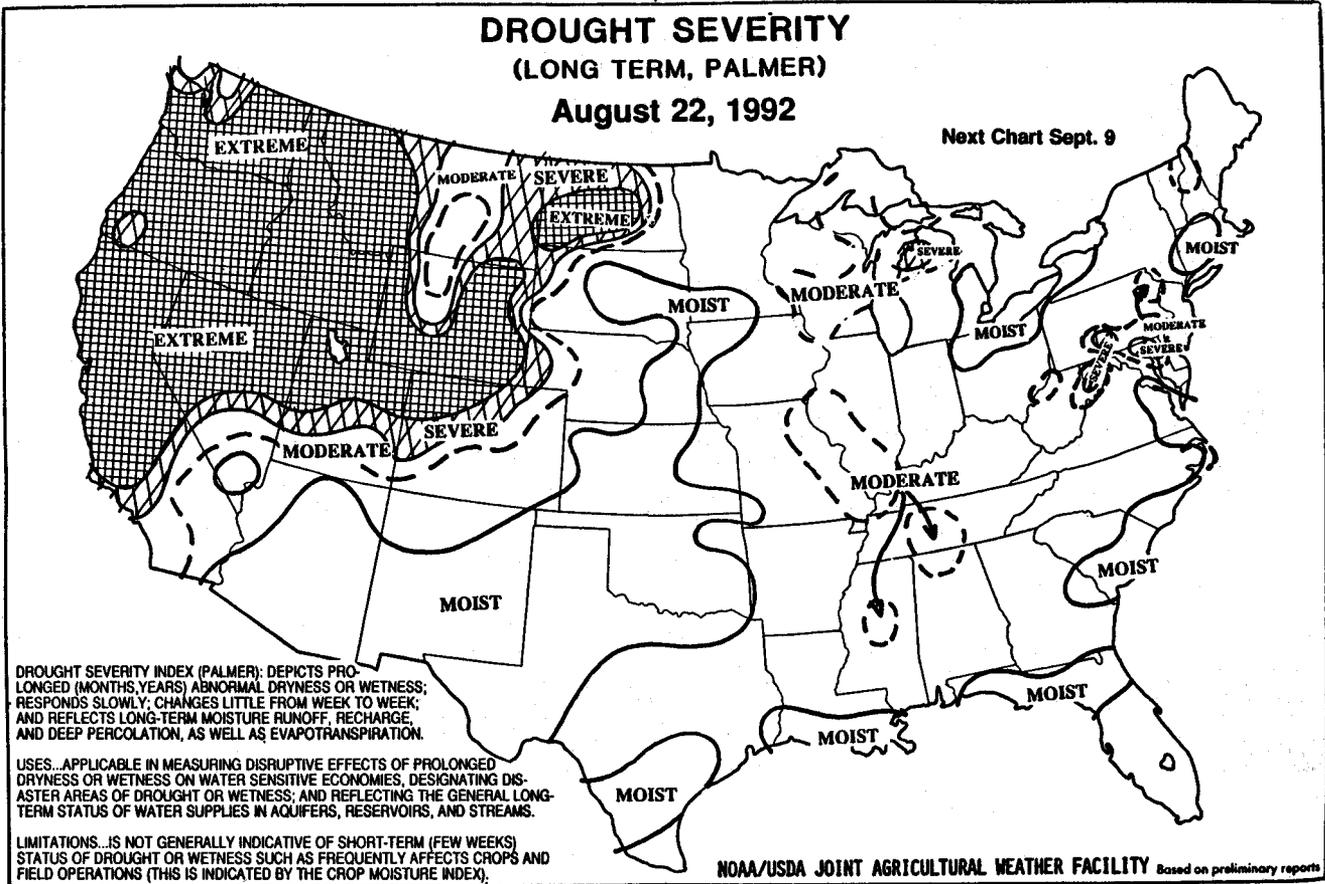
A late-week cold front obliterated the West's heat wave and produced unprecedented snow in the northern High Plains. But for most of the week, large wildfires blazed under hot, dry conditions in California and Idaho. Farther east, more than 125 locations set daily record lows in the Central States, and copious rains caused flooding along the eastern seaboard. Early in the week, more than 75 cities from the Great Lakes to Texas set daily record lows, including Rockford, IL (44°F), and Springfield, MO (48°F). Shreveport, LA, noted 53°F to set a record low for August. In contrast, temperatures soared to 105°F in Medford, OR, and 100°F in Winnemucca, NV. On Tuesday, rain fell for the seventh day in a row in eastern North Carolina, pushing the storm total to 14.35 inches in Goldsboro, and causing significant flooding in the coastal plain. By midweek, warmth nosed (Continued to back cover)

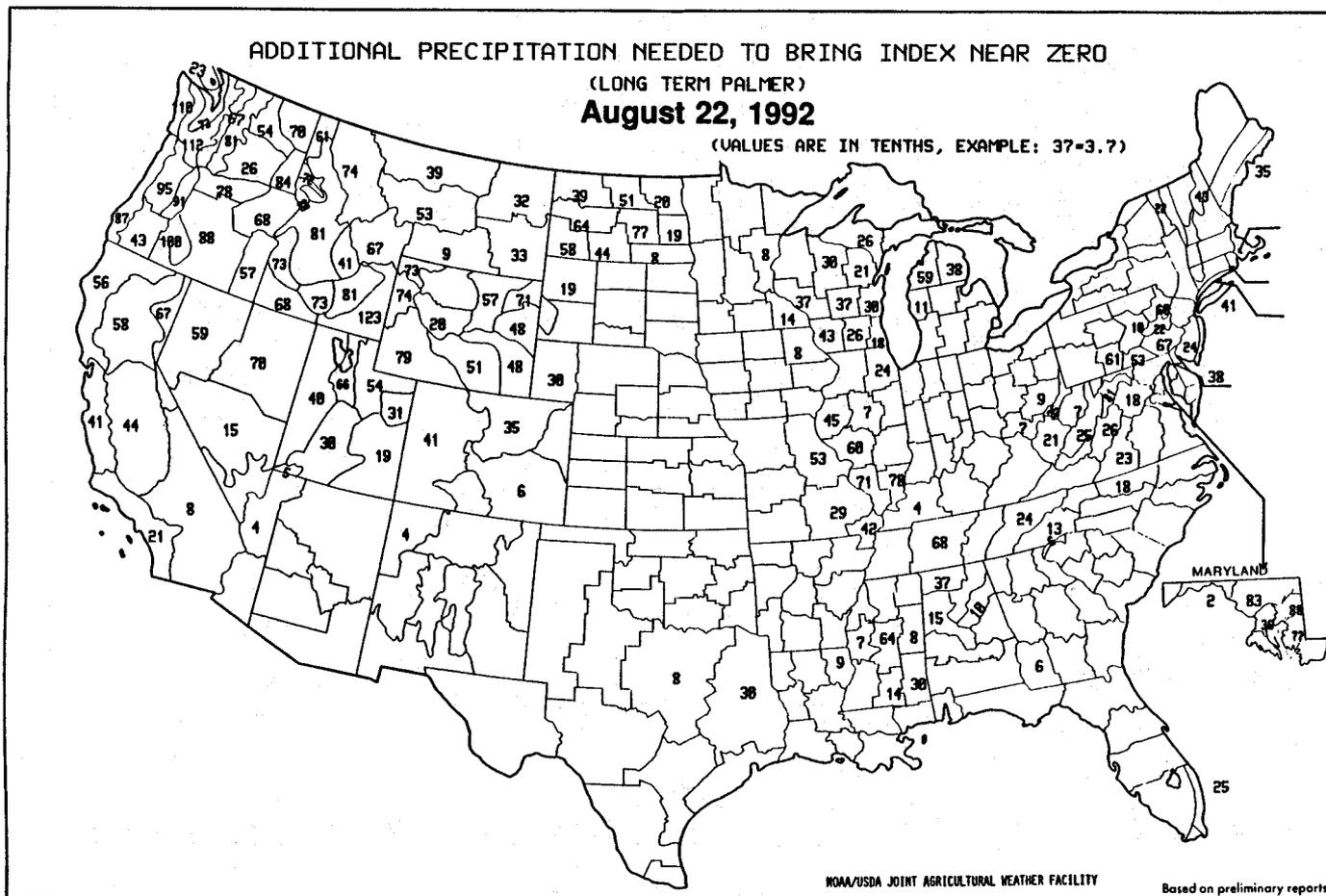
Contents

Page

Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Drought Severity Maps	3
Precipitation Needed to End Drought & Temperature Departure Map	4
Total Growing Degree Days & Departure Maps	5
Extreme Maximum & Minimum Temperature Maps	6
National Weather Data for Selected Cities	7
Hurricane "Andrew" Rakes Southern Florida, Threatens Gulf Coast	10
National Agricultural Summary	11
Crop Progress and Condition Tables	12
State Summaries of Weather and Agriculture	14
International Weather and Crop Summary	20
Subscription and Mailing Permit Information	24

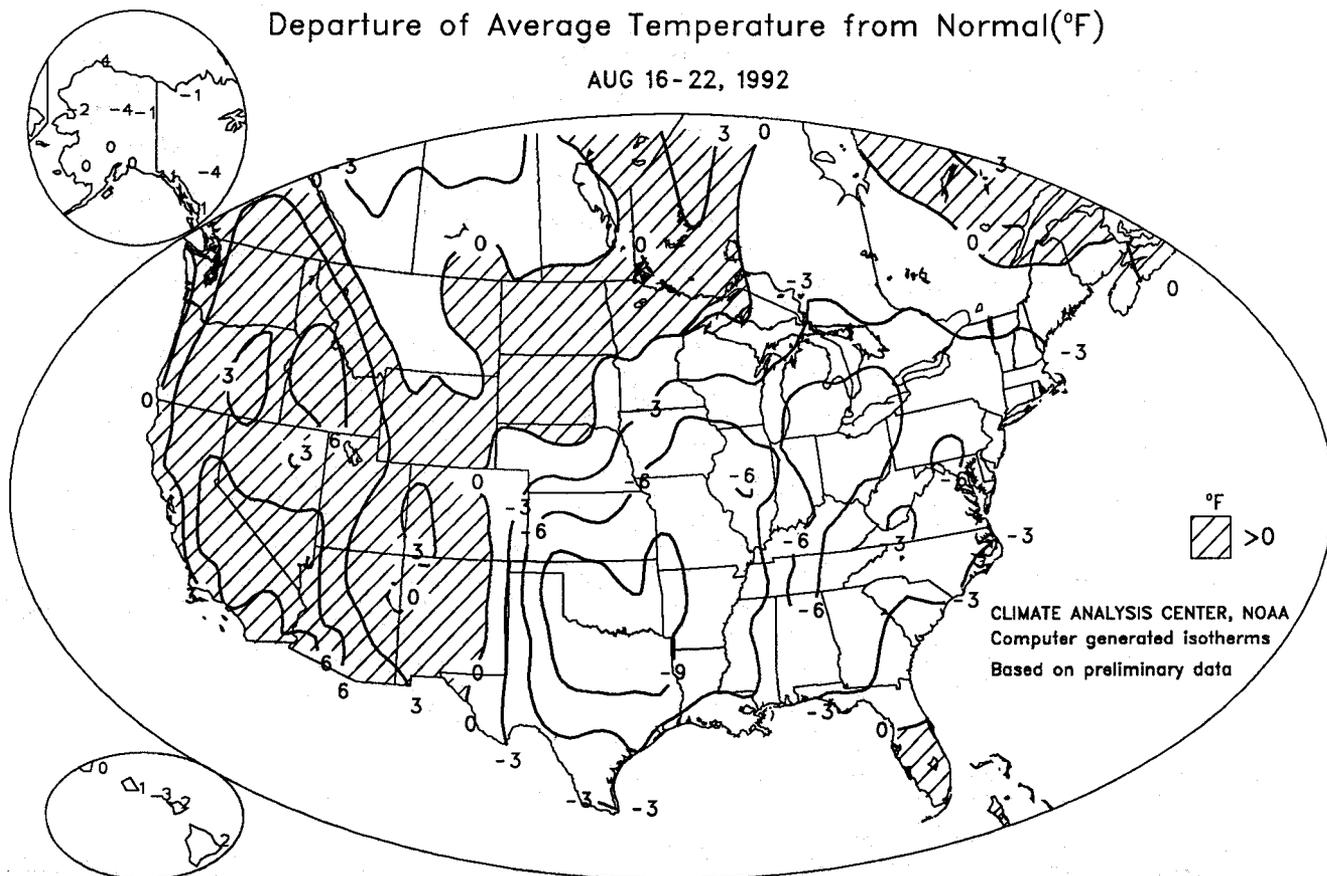


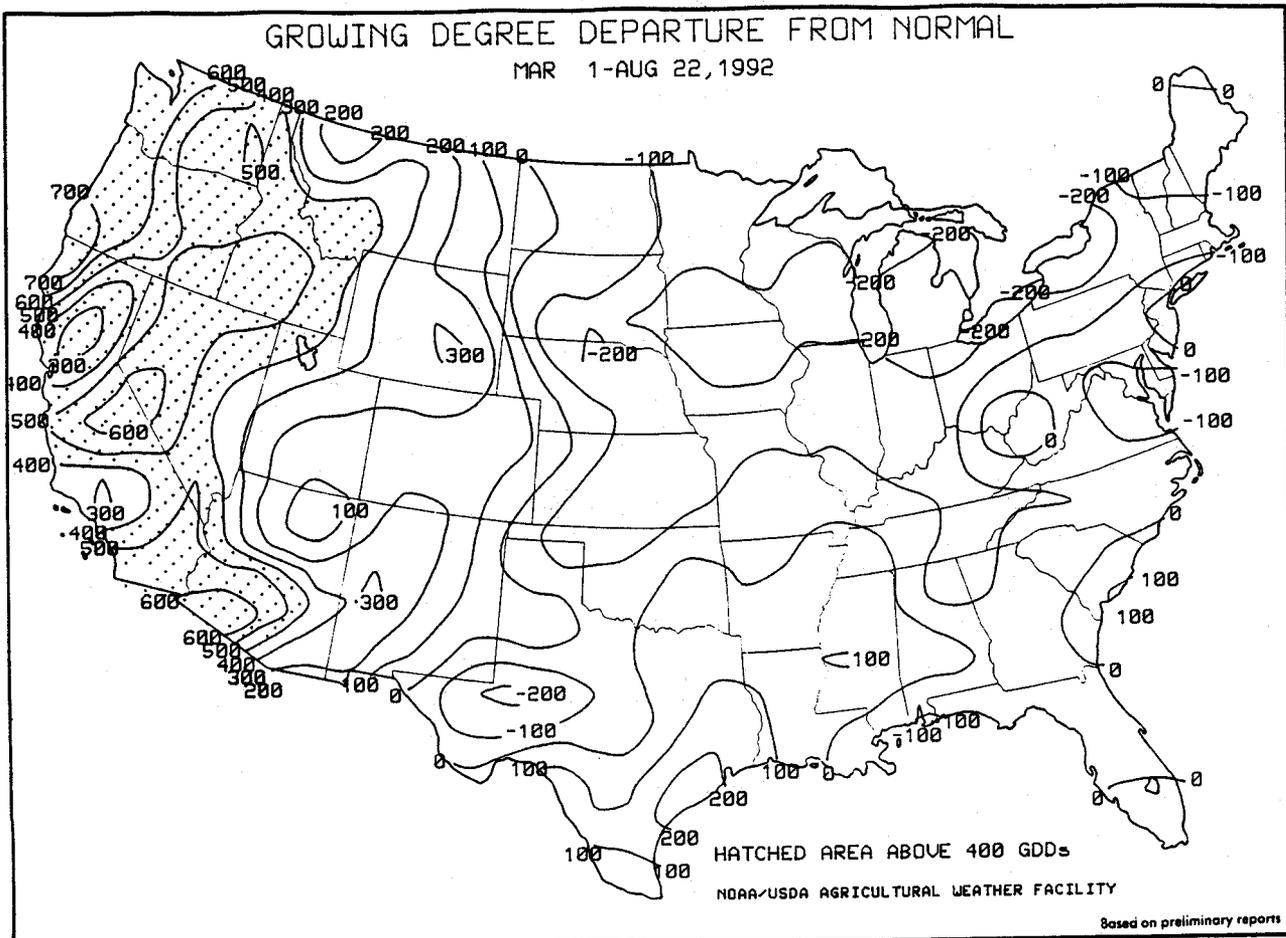
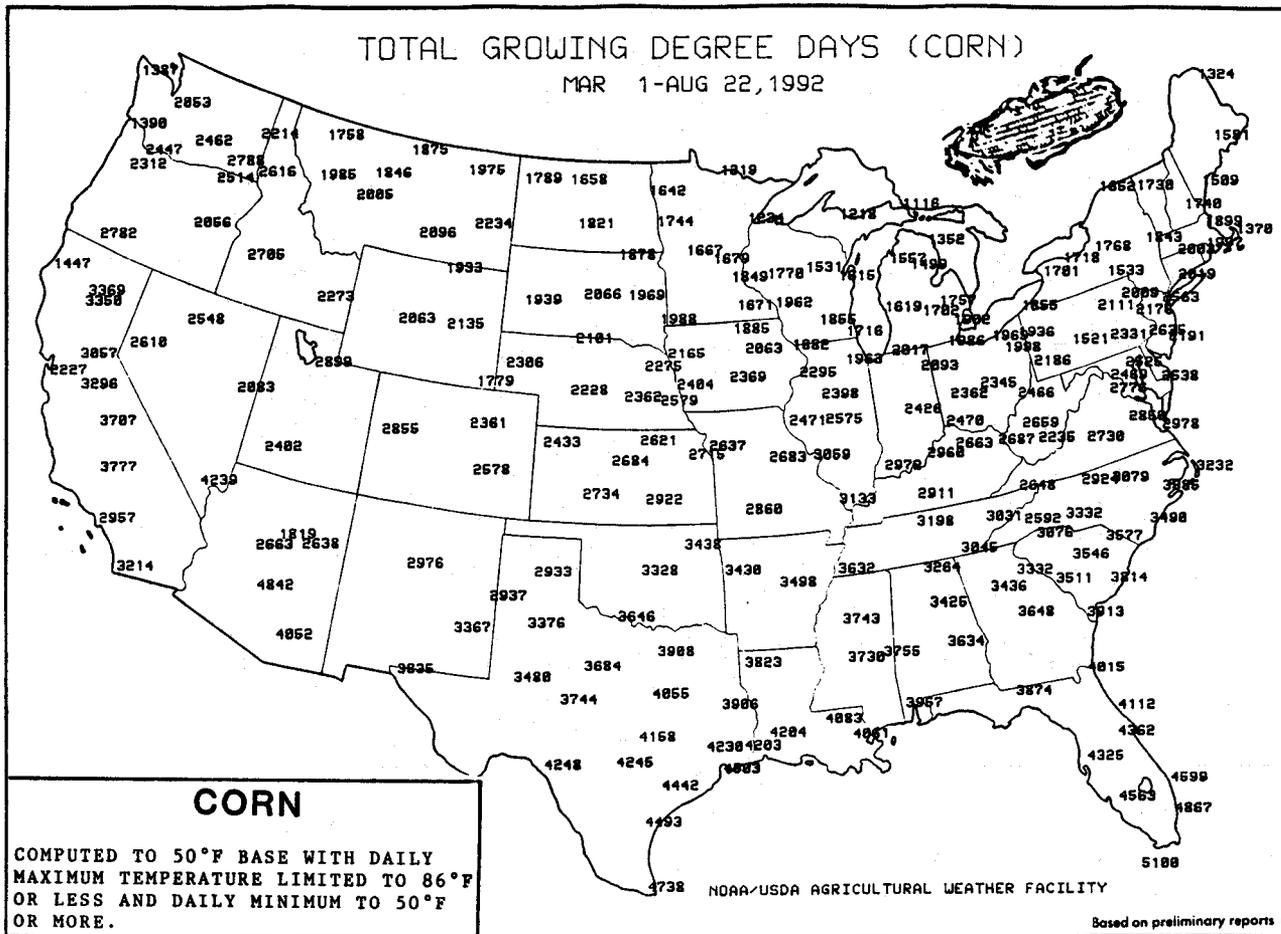




Departure of Average Temperature from Normal(°F)

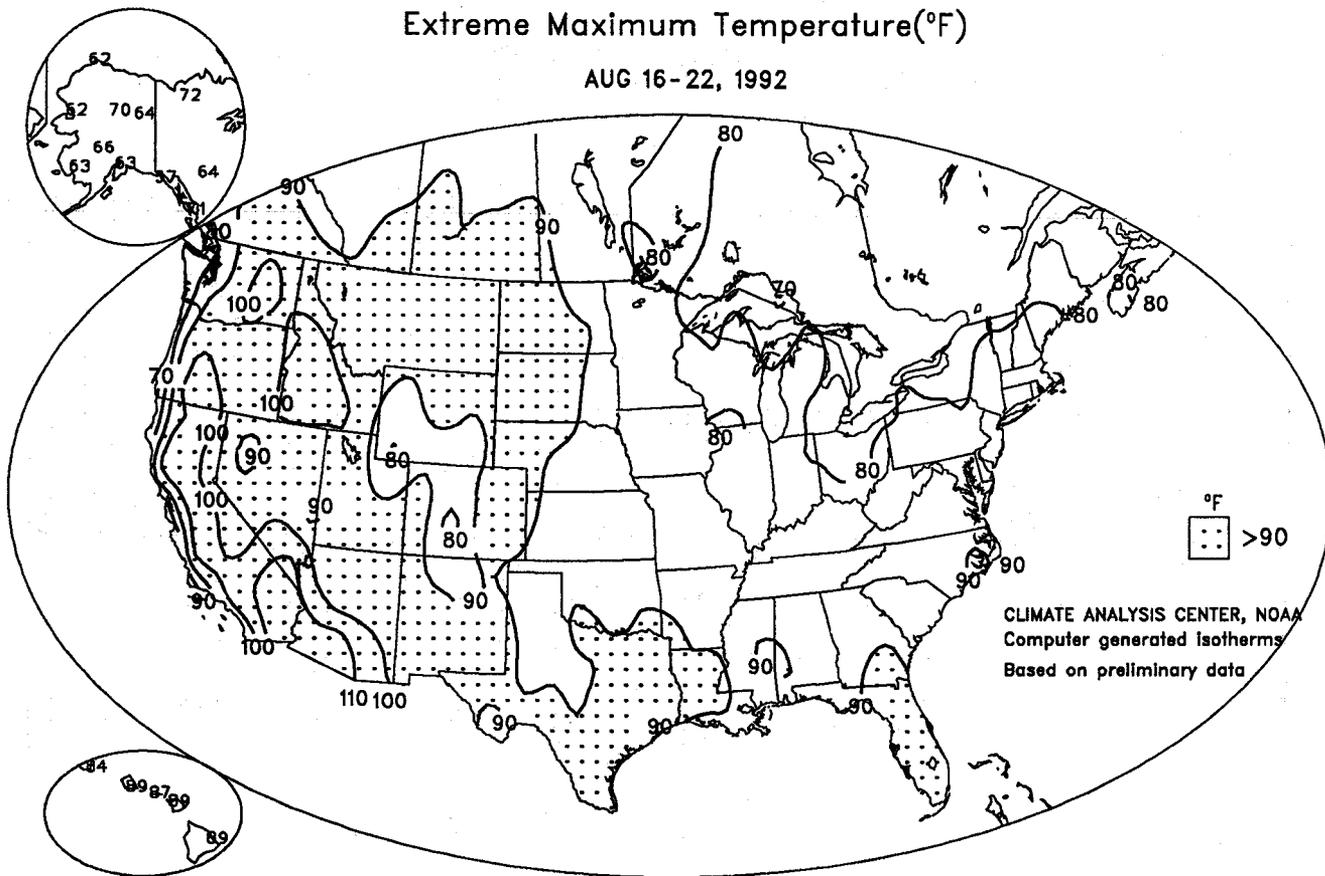
AUG 16-22, 1992





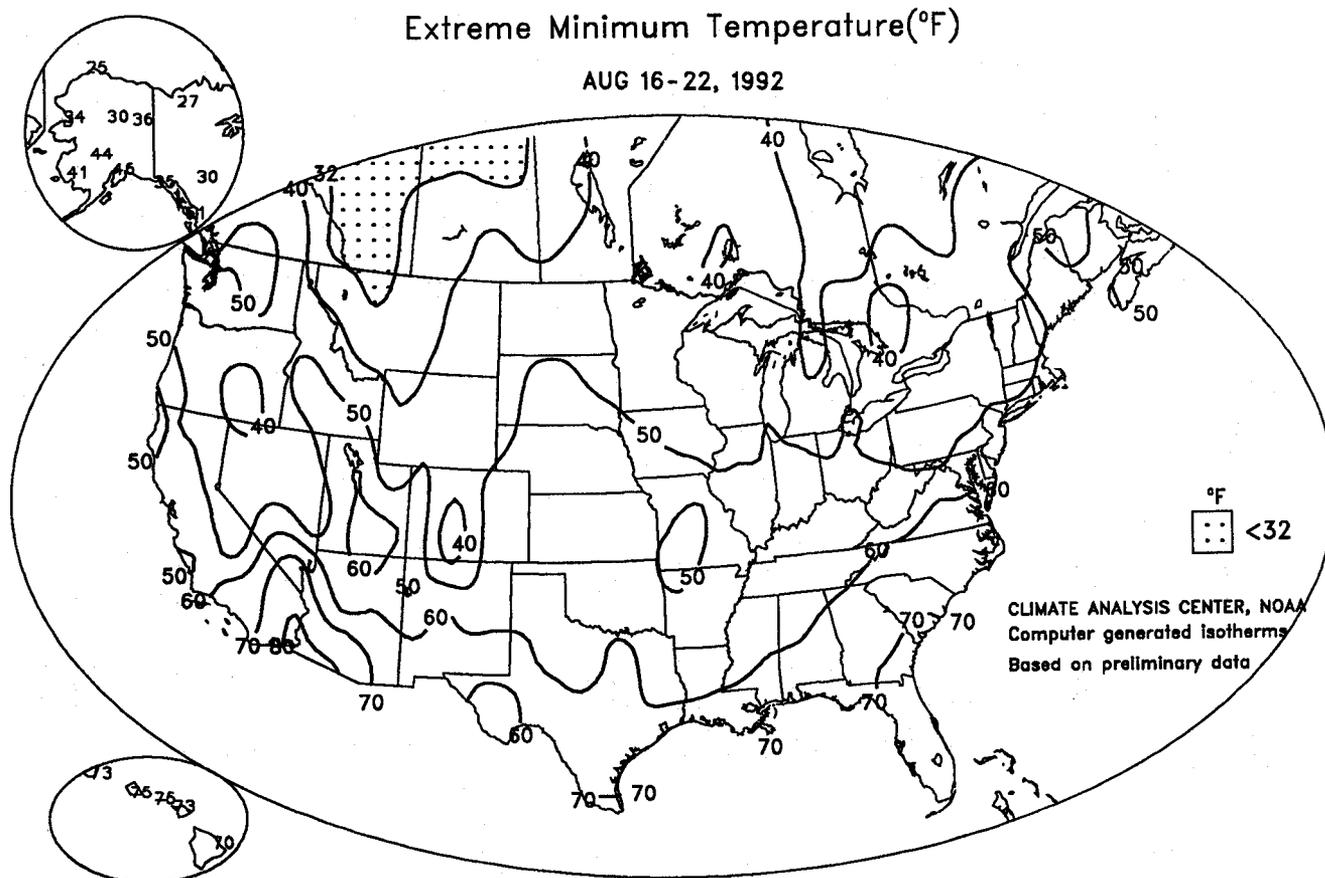
Extreme Maximum Temperature(°F)

AUG 16-22, 1992



Extreme Minimum Temperature(°F)

AUG 16-22, 1992



National Weather Data for Selected Cities

Weather Data for the Week Ending August 22, 1992

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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	83	63	87	57	73	-1.6	2.9	2.0	2.7	18.4	157	33.3	88	100	56	0	0	0	0	3	1	
MOBILE	86	69	88	67	78	-1.4	2.7	1.2	2.2	20.6	117	47.6	107	96	60	0	0	0	0	4	1	
MONTGOMERY	86	68	89	63	77	-1.4	.9	.2	.2	17.4	168	41.4	124	99	56	0	0	0	0	3	1	
AK ANCHORAGE	60	49	63	46	55	-1.4	.4	-1.2	0.0	3.3	73	6.5	81	92	59	0	0	0	0	4	0	
BARROW	49	34	62	25	42	-1.4	.1	-1.2	0.0	1.1	58	1.6	57	94	68	0	0	2	2	0	0	
FAIRBANKS	65	44	74	37	54	-1.4	.3	-1.2	0.0	4.9	110	8.2	123	94	46	0	0	0	0	2	1	
JUNEAU	63	46	69	43	55	-1.0	1.3	.2	1.3	12.0	114	46.9	169	99	60	0	0	0	0	1	1	
KODIAK	58	48	62	43	53	-1.0	1.3	.1	1.3	12.7	116	39.2	113	97	74	0	0	0	0	4	1	
NOME	52	46	56	41	49	-1.0	.7	.0	.3	6.7	67	6.1	71	98	77	0	0	0	0	7	0	
AZ PHOENIX	106	85	113	74	96	0.0	.6	.4	3.3	4.0	244	10.5	257	53	22	7	0	0	2	2	1	
PRESCOTT	88	61	95	55	75	0.0	4.4	3.9	3.5	4.0	164	16.1	184	83	35	5	0	0	5	5	2	
TUCSON	102	75	108	72	88	0.0	.4	-1.1	3.3	3.3	76	9.7	142	69	23	7	0	0	2	1	0	
YUMA	110	84	116	81	97	0.0	.3	-1.2	3.3	3.3	66	3.5	262	63	25	7	0	0	1	0	0	
AR FORT SMITH	84	60	89	53	72	-1.5	.0	-1.7	0.0	13.8	157	28.5	109	97	41	0	0	0	0	0	0	
LITTLE ROCK	83	62	87	56	73	-1.5	.0	-1.7	0.0	14.9	160	32.1	99	83	49	0	0	0	0	0	0	
CA BAKERSFIELD	103	72	108	60	87	0.0	.0	.0	.0	.0	50	5.7	147	51	16	7	0	0	0	0	0	
EUREKA	62	53	68	51	58	0.0	.0	-1.1	1.5	181	15.3	68	94	79	0	0	0	0	0	0	0	
FRESNO	103	69	108	60	86	0.0	.0	.0	.2	400	9.2	132	56	17	6	0	0	0	0	0	0	
LOS ANGELES	81	67	85	66	74	0.0	.0	.0	.3	375	11.9	142	93	63	0	0	0	0	0	0	0	
REDDING	101	64	108	53	83	0.0	.0	-1.1	1.7	128	20.2	80	70	14	6	0	0	0	0	0	0	
SACRAMENTO	98	61	106	53	79	0.0	.0	.0	.3	200	10.1	94	72	16	0	0	0	0	0	0	0	
SAN DIEGO	83	71	88	69	77	0.0	.0	.0	.2	133	10.1	162	89	60	0	0	0	0	0	0	0	
SAN FRANCISCO	70	54	75	53	62	-1.1	.0	.0	.4	355	13.3	107	95	55	0	0	0	0	0	0	0	
CO DENVER	86	56	94	52	71	0.0	.2	-1.1	4.6	100	11.0	98	86	27	3	0	0	0	3	2	1	
GRAND JUNCTION	92	64	99	59	78	0.0	.3	-1.2	1.4	90	5.6	115	59	19	5	0	0	0	0	0	0	
PUEBLO	91	54	99	51	72	-1.1	.0	-1.4	5.1	117	7.5	93	83	24	4	0	0	0	1	3	0	
CT BRIDGEPORT	74	61	82	53	68	-1.5	2.8	1.9	1.3	17.2	192	29.6	112	92	63	0	0	0	0	3	3	
HARTFORD	75	56	84	49	65	-1.5	1.9	1.0	.8	13.9	151	29.0	105	97	59	0	0	0	0	4	0	
DC WASHINGTON	79	64	85	59	72	-1.6	.3	-1.7	.2	10.0	96	24.5	95	95	61	0	0	0	2	0	0	
FL APALACHICOLA	88	73	89	70	80	-1.1	.0	-1.7	.0	16.6	96	34.9	100	--	--	0	0	0	0	5	0	
DAYTONA BEACH	89	71	93	69	80	-1.1	4.0	2.5	1.7	18.5	113	30.9	101	100	61	2	0	0	0	2	2	
JACKSONVILLE	91	73	93	72	82	0.0	2.0	.2	.8	19.5	110	43.3	123	97	54	6	0	0	0	6	0	
KEY WEST	91	82	92	81	87	2.2	.0	-1.1	T	16.1	136	23.4	108	79	64	6	0	0	0	0	0	
MIAMI	92	78	94	75	85	2.2	.6	-1.1	.4	19.5	98	28.4	79	91	56	7	0	0	0	0	0	
ORLANDO	92	73	94	73	83	0.0	3.5	2.0	2.1	18.9	95	36.6	106	99	55	3	0	0	0	5	2	
TALLAHASSEE	88	69	90	67	79	-2.2	1.2	-1.4	.6	24.6	119	47.0	104	100	62	7	0	0	0	5	2	
TAMPA	92	75	94	74	83	1.1	.1	-1.7	.1	13.0	72	21.4	67	93	57	5	0	0	1	0	0	
WEST PALM BEACH	90	75	91	74	83	0.0	1.3	.0	.4	22.8	129	34.6	98	98	64	5	0	0	4	0	0	
GA ATLANTA	81	68	84	64	74	-1.4	1.9	1.1	.8	16.9	160	31.0	90	100	65	0	0	0	5	1	0	
AUGUSTA	86	70	89	67	78	-1.1	2.8	1.9	1.4	17.3	156	33.9	109	100	63	0	0	0	6	2	0	
MACON	85	70	89	65	78	-3.3	.8	.0	.3	20.5	190	37.7	117	100	62	0	0	0	5	0	0	
SAVANNAH	88	72	90	71	80	-1.1	2.8	1.3	1.0	21.6	120	38.6	107	99	61	1	0	0	5	2	0	
HI HILO	85	72	89	70	78	2.2	4.6	2.3	1.3	34.4	155	50.6	62	98	70	0	0	0	7	3	0	
HONOLULU	88	76	89	76	82	2.2	.5	.4	.5	3.0	210	6.7	48	80	51	0	0	0	2	1	0	
KAHULUI	87	75	89	74	81	2.2	.1	.0	.1	1.5	173	7.7	64	86	57	0	0	0	1	0	0	
LIRUE	84	75	84	73	80	1.1	.9	.5	.5	4.6	94	16.2	63	85	65	0	0	0	3	1	0	
ID BOISE	91	63	102	52	77	6.6	.0	-1.1	T	2.1	154	4.2	57	53	23	5	0	0	0	0	0	
LEWISTON	89	62	102	48	76	4.4	1.0	.8	1.0	3.2	132	7.3	88	52	21	5	0	0	2	1	0	
POCATELLO	90	55	99	50	72	4.4	.0	-1.1	T	2.1	110	4.3	61	70	17	4	0	0	0	0	0	
IL CHICAGO	77	51	83	49	64	-7.7	.3	-1.6	.3	6.7	67	14.1	62	97	43	0	0	0	1	0	0	
MOLINE	79	50	81	47	65	-8.8	.0	-1.8	T	14.2	120	21.5	84	100	46	0	0	0	1	0	0	
PEORIA	79	54	84	52	67	-6.6	.0	-1.7	T	9.0	88	16.7	70	94	47	0	0	0	0	0	0	
QUINCY	78	54	83	49	66	-8.8	.0	-1.9	.0	7.2	65	17.5	69	89	43	0	0	0	0	0	0	
ROCKFORD	77	50	80	44	63	-7.7	.2	-1.7	.2	7.2	62	15.6	63	93	42	0	0	0	1	0	0	
SPRINGFIELD	81	56	85	52	69	-5.5	.1	-1.7	.1	9.4	99	17.7	76	97	53	0	0	0	1	0	0	
IN EVANSVILLE	83	61	88	58	72	-4.4	.6	-1.1	.6	11.5	118	23.0	79	92	46	0	0	0	1	1	0	
FORT WAYNE	78	51	79	49	65	-7.7	.6	-1.2	.6	10.0	106	22.9	97	97	45	0	0	0	1	1	0	
INDIANAPOLIS	79	56	82	53	68	-5.5	.0	-1.8	T	16.1	149	27.0	101	92	46	0	0	0	0	0	0	
SOUTH BEND	77	52	81	49	65	-6.6	.5	-1.4	.5	8.3	79	17.9	72	95	44	0	0	0	1	0	0	
IA DES MOINES	78	55	82	52	67	-6.6	.0	-1.9	T	10.1	98	20.8	95	90	47	0	0	0	0	0	0	
STOUC CITY	80	56	83	51	68	-5.5	.0	-1.7	.0	9.2	96	18.7	100	98	59	0	0	0	0	0	0	
WATERLOO	77	49	81	43	63	-7.7	.2	-1.6	.2	9.4	81	19.6	84	97	48	0	0	0	1	0	0	
KS CONCORDIA	82	61	85	59	72	-5.5	.0	-1.8	.0	19.4	195	29.1	148	91	48	0	0	0	0	0	0	
DODGE CITY	81	58	89	54	70	-8.8	.1	-1.5	.0	11.7	149	17.2	111	94	46	0	0	0	2	0	0	
GOODLAND	81	58	90	53	70	-3.3	.3	-1.1	.3	13.6	210	17.6	142	94	49	1	0	0	1	0	0	
TOPEKA	83	57	86	52	70	-7.7	.3	-1.5	.3	10.8	92	23.2	100	96	48	0	0	0	1	0	0	
WICHITA	85	60	88	56	73	-7.7	.0	-1.6	T	14.0	145	23.5	120	91	42	0	0	0	0	0	0	
KY BOWLING GREEN	81	59	84	55	70	-6.6	.0	-1.7	T	7.2	64	24.3	72	99	56	0	0	0	1	0	0	
LEXINGTON	77	59	81	54	68	-6.6	.4	-1.5	.4	21.2	175	38.2	119	97	60	0	0	0	1	0	0	
LOUISVILLE	80	61	84	57	71	-5.5	.0	-1.7	T	12.9	129	28.7	97	93	53	0	0	0	0	0	0	
LA BATON ROUGE	88	67	90	62	77	-4.4	.0	-1.0	.1	22.2	159	48.3	125	96	52	1	0	0	1	0	0	
LAKE CHARLES	87	66	89	62	77	-5.5	.0	-1.2	.1	16.6	126	45.5	134	94	50	0	0	0	0	0	0	
NEW ORLEANS	85	69	87	67	77	-5.5	.5	-1.8	.4	19.2	123	48.3	120	97	61	0	0	0	4	0	0	
SEREVEPORT	86	61	92	53	73	-9.8</																

Weather Data for the Week Ending August 22, 1992

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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	72	54	76	48	63	1	.7	-2	.6	11.4	113	24.2	108	95	56	0	0	0	0	2	1	
PORTLAND	73	55	84	48	64	-2	1.5	.9	1.0	10.6	136	26.4	100	98	66	0	0	0	0	4	1	
MD BALTIMORE	79	61	85	54	70	0	.4	-7	.3	8.6	78	21.6	79	96	58	0	0	0	0	2	0	
SALISBURY	80	62	85	55	71	-4	3.2	1.9	2.7	14.2	117	28.5	96	100	64	0	0	0	0	3	1	
MA BOSTON	73	60	82	57	67	-5	2.4	1.5	.9	11.5	141	24.2	89	90	63	0	0	0	0	4	3	
CHATHAM	73	60	77	56	66	-1	.6	-3	.5	16.5	193	27.6	96	96	74	0	0	0	0	3	0	
MI ALPENA	76	43	83	37	59	-5	.2	-5	.2	6.1	73	14.7	79	98	40	0	0	0	0	1	0	
DETROIT	75	53	78	51	64	-6	.1	-7	.1	9.8	111	22.1	106	93	45	0	0	0	0	1	0	
FLINT	75	48	79	44	62	-7	.1	-7	.1	12.9	153	23.6	122	97	46	0	0	0	0	1	0	
GRAND RAPIDS	76	48	80	43	62	-7	.1	-7	.1	11.4	130	22.9	107	99	42	0	0	0	0	1	0	
HOUGHTON LAKE	74	46	78	37	60	-5	.7	.0	.7	6.5	81	14.6	81	97	44	0	0	0	0	1	1	
LANSING	75	45	78	40	60	-8	.2	-6	.2	9.4	110	21.5	112	99	47	0	0	0	0	1	0	
MARQUETTE	74	50	80	43	62	0	.4	-4	.4	7.7	82	18.1	76	96	49	0	0	0	0	1	0	
MUSKEGON	75	48	80	42	61	-7	.1	-7	.1	4.9	69	13.5	70	96	44	0	0	0	0	1	0	
SAULT ST. MARIE	73	47	80	39	60	-3	.2	-6	.1	8.3	96	17.7	89	94	54	0	0	0	0	2	0	
MN ALEXANDRIA	79	59	85	53	69	1	.8	-1	.6	7.0	72	14.3	81	92	50	0	0	0	0	2	0	
DULUTH	75	51	79	43	63	0	.8	-1	.6	10.9	101	18.7	93	93	50	0	0	0	0	2	1	
INT'L FALLS	76	52	82	46	64	2	2.0	1.4	1.1	9.9	104	16.4	100	97	45	0	0	0	0	3	2	
MINNEAPOLIS	78	57	82	51	67	-3	.1	-8	.1	12.1	119	18.0	96	89	47	0	0	0	0	2	0	
ROCHESTER	75	51	79	44	63	-4	.3	-5	.3	6.4	64	15.4	79	94	51	0	0	0	0	1	0	
MS GREENWOOD	87	63	90	58	75	-6	1.6	1.0	1.6	12.1	122	26.7	74	97	46	1	0	0	0	1	1	
JACKSON	85	63	88	58	74	-7	.5	-3	.4	12.8	124	25.7	72	100	50	0	0	0	0	2	0	
MERIDIAN	86	66	90	60	76	-4	.1	-7	.1	17.3	154	39.8	107	89	43	1	0	0	0	1	0	
MO CAPE GIRARDEAU	83	60	86	52	71	-1	.0	-8	.0	8.2	84	21.6	72	93	48	0	0	0	0	0	0	
COLUMBIA	82	54	86	48	68	-8	.0	-7	.0	7.9	87	17.6	71	93	41	0	0	0	0	0	0	
KANSAS CITY	81	58	84	53	69	-9	.0	-8	.0	20.7	182	33.7	138	93	47	0	0	0	0	1	0	
SAINT LOUIS	81	61	85	56	71	-6	.1	-6	.1	5.8	64	16.2	69	87	40	0	0	0	0	0	0	
SPRINGFIELD	81	55	83	48	68	-9	.5	-1	.5	15.3	151	25.1	97	93	46	0	0	0	0	1	1	
MT BILLINGS	84	55	98	40	70	0	.1	-2	.0	4.6	131	9.5	90	81	31	1	0	0	3	0	0	
GLASGOW	84	57	99	45	71	2	.6	.4	.4	5.3	104	7.1	84	74	31	3	0	0	4	0	0	
GREAT FALLS	78	51	95	32	65	-2	.4	-1	.2	5.8	123	10.4	91	76	34	2	1	3	0	0	0	
HAVRE	79	51	97	35	65	-2	.3	.0	.3	4.3	100	5.6	63	78	35	2	0	1	0	0	0	
HELENA	80	50	95	33	65	0	.6	.3	.3	4.0	104	6.2	73	79	32	3	0	3	0	0	0	
KALISPELL	80	49	94	35	65	2	.7	.3	.6	6.7	165	11.8	113	82	31	4	0	2	1	1	1	
MILES CITY	86	58	100	46	72	0	1.1	.8	.7	6.7	130	10.8	102	83	33	3	0	4	4	1	0	
MISSOULA	87	53	96	40	70	5	.2	.0	.2	4.3	130	8.4	94	73	24	4	0	0	1	0	0	
NE GRAND ISLAND	83	61	87	58	72	-2	.1	-6	.1	13.9	171	23.9	138	94	49	0	0	0	0	0	0	
LINCOLN	83	60	86	58	72	-3	.1	-8	.1	10.5	111	18.5	93	91	53	0	0	0	0	0	0	
NORFOLK	81	61	84	59	71	-2	.1	-6	.1	11.8	126	19.2	106	89	53	0	0	0	0	0	0	
NORTH PLATTE	81	58	88	51	70	-2	.2	-2	.2	9.4	117	18.1	118	92	53	0	0	0	0	1	0	
OMAHA	80	61	84	57	71	-4	.0	-9	.0	12.5	117	23.8	111	82	57	0	0	0	0	0	0	
SCOTTSBLUFF	84	55	93	49	70	-1	.6	.4	.4	6.7	121	12.0	104	93	33	3	0	0	3	0	0	
VALENTINE	88	57	93	53	72	1	.1	-5	.1	10.8	151	14.5	107	91	35	3	0	0	0	0	0	
NV RLY	88	51	93	47	69	4	.1	-1	.1	3.9	211	7.1	116	57	15	1	0	0	0	0	0	
LAS VEGAS	107	84	111	79	96	8	.0	-1	.0	.3	30	6.9	264	27	11	7	0	0	0	0	0	
RENO	91	56	98	48	73	7	.1	-1	.1	1.5	203	2.9	39	56	14	5	0	0	0	0	0	
WINNEMUCCA	92	53	100	40	72	4	.1	-1	.1	.5	41	2.0	39	55	16	6	0	0	1	0	0	
NH CONCORD	74	52	85	45	63	-3	1.0	.3	.6	8.8	108	19.0	85	99	60	0	0	0	0	3	1	
NJ ATLANTIC CITY	80	60	84	51	70	-3	4.1	3.0	3.1	13.3	130	23.2	85	99	58	0	0	0	0	3	1	
NM ALBUQUERQUE	92	64	93	63	78	2	1.5	1.0	1.1	6.0	82	15.4	131	91	42	1	0	0	2	1	0	
CLOVIS	85	61	91	59	73	-3	.5	.0	.3	4.8	114	11.9	182	91	30	6	0	0	3	0	0	
ROSWELL	92	65	94	61	78	0	.4	-4	.3	7.7	90	18.9	84	98	57	0	0	0	2	0	0	
NY ALBANY	74	53	83	45	63	-5	.4	-4	.3	7.9	90	18.9	84	98	57	0	0	0	2	0	0	
BINGHAMTON	69	53	77	43	61	-5	.7	-1	.5	9.2	97	26.0	110	98	58	0	0	0	4	0	0	
BUFFALO	73	54	81	49	64	-5	.5	-5	.4	13.1	151	28.6	125	92	49	0	0	0	3	0	0	
NEW YORK	77	64	85	58	71	-5	2.4	1.4	1.8	11.6	117	22.9	83	90	58	0	0	0	4	1	0	
ROCHESTER	74	55	81	49	65	-5	.1	-6	.0	9.8	128	22.9	114	96	50	0	0	0	3	0	0	
SYRACUSE	75	55	81	47	65	-4	.1	-8	.1	10.6	106	28.3	114	94	50	0	0	0	2	0	0	
NC ASHEVILLE	75	63	81	61	69	-4	1.7	.7	1.2	13.3	125	33.7	114	100	66	0	0	0	5	1	0	
CHARLOTTE	82	68	85	67	75	-3	1.2	.3	1.2	11.7	115	30.3	103	90	58	0	0	0	2	1	0	
GREENSBORO	79	66	85	64	72	-4	.1	-9	.1	11.0	98	28.5	100	97	64	0	0	0	1	0	0	
HAYTERAS	82	71	87	68	77	-2	6.3	4.9	2.1	19.2	137	40.4	118	96	69	0	0	0	4	4	0	
NEW BERN	84	69	90	67	76	-3	3.3	1.9	1.9	20.8	126	38.0	107	97	65	1	0	0	4	2	0	
RALEIGH	79	66	87	63	73	-4	.8	-2	.3	16.0	142	29.5	103	99	66	0	0	0	3	0	0	
WILMINGTON	85	69	88	67	77	-3	6.1	4.7	3.7	23.5	131	49.0	135	97	65	0	0	0	4	2	0	
ND BISMARCK	88	54	94	42	71	3	.1	-4	.1	6.4	103	9.1	78	88	31	3	0	0	1	0	0	
FARGO	82	57	89	48	69	1	.2	-4	.2	8.0	96	13.7	96	88	41	0	0	0	2	0	0	
GRAND FORKS	83	56	90	50	69	3	1.0	.5	.8	6.9	89	12.9	99	89	38	2	0	0	2	1	0	
WILLISTON	83	52	98	46	68	0	.7	.4	.4	4.4	80	9.2	91	85	34	2	0	0	3	0	0	
OH AKRON-CANTON	75	52	82	48	63	-7	.2	-6	.2	16.3	169	30.8	126	96	48	0	0	0	1	0	0	
CINCINNATI	77	58	80	55	68	-6	.1	-6	.1	12.3	117	25.9	94	95	51	0	0	0	1	0	0	
CLEVELAND	74	52	80	48	63	-7	.5	-3	.4	14.4	156	30.2	128	96	52	0	0	0	2	0	0	
COLUMBUS	78	56	80	52	67	-5	.1	-8	.1	16.3	153	28.5	110	95	49	0	0	0	1	0	0	
DAYTON	77	55	80	50	66	-7	.1	-6	.1	11.1	118	26.7	110	95	45	0	0	0	1	0	0	

Based on 1951-80 normals.

Weather Data for the Week Ending August 22, 1992

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	MINIMUM	90 AND ABOVE		32 AND BELOW
													90 AND ABOVE					32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	78	51	81	48	65	-5	.4	-.3	.4	8.7	97	21.8	102	97	42	0	0	1	0	
YOUNGSTOWN	75	48	82	42	61	-7	.2	-.5	.2	12.4	124	25.8	103	100	48	0	0	2	1	
OK OKLAHOMA CITY	81	62	88	57	71	-9	.5	-.1	.5	14.8	174	26.8	126	90	49	0	0	0	0	
TULSA	84	62	89	57	73	-8	.0	-.7	.0	13.5	134	27.1	106	89	43	0	0	0	0	
OR ASTORIA	66	54	70	49	60	-1	T	-.4	T	1.5	33	25.8	68	94	68	0	0	0	0	
BURNS	84	50	96	38	67	0	.3	.2	.2	4.0	357	6.4	105	73	20	2	2	0	0	
MEDFORD	94	58	105	53	76	5	.0	-.1	.0	3.2	270	7.5	69	72	24	4	4	0	0	
PENDLETON	88	62	98	50	75	4	.4	.3	.4	2.1	158	5.1	70	51	21	0	0	0	0	
PORTLAND	81	57	91	53	69	2	T	-.3	T	1.3	51	15.6	75	93	40	1	1	0	0	
SALEM	84	52	95	47	68	2	T	-.2	T	1.7	87	16.2	73	84	32	0	0	0	0	
PA ALLENTOWN	75	57	80	50	66	-6	.7	-.3	.4	12.1	113	24.4	86	98	61	0	0	0	0	
ERIE	72	55	76	50	64	-5	.3	-.6	.3	10.6	104	23.0	70	93	55	1	1	1	0	
HARRISBURG	76	59	81	52	67	-6	.3	-.5	.3	6.1	65	17.8	70	97	56	0	0	0	0	
PHILADELPHIA	79	64	84	61	71	-4	.6	-.3	.3	8.8	82	18.1	67	90	56	0	0	0	0	
PITTSBURGH	76	55	83	49	65	-5	T	-.7	T	11.2	116	23.2	91	93	47	0	0	0	0	
SCRANTON	75	56	82	47	65	-4	.4	-.4	.3	7.0	75	18.1	81	96	55	0	0	4	2	
RI PROVIDENCE	75	59	84	53	67	-4	2.2	1.3	1.0	13.6	157	28.3	100	94	64	0	0	0	0	
SC CHARLESTON	86	72	88	71	79	-1	3.2	1.7	2.2	19.0	102	37.7	103	100	65	0	0	4	2	
COLUMBIA	85	70	89	68	77	-3	3.1	1.8	1.8	17.6	127	33.4	95	96	61	0	0	5	3	
FLORENCE	83	69	87	68	76	-3	5.7	4.6	2.3	20.0	145	32.5	104	97	65	0	0	0	0	
GREENVILLE	81	65	85	63	73	-5	.8	-.1	.3	11.4	98	35.3	102	98	63	0	0	4	0	
SD ABERDEEN	83	56	90	46	70	0	.2	-.2	.2	9.6	138	12.4	91	94	49	1	0	2	0	
HURON	83	60	88	50	71	0	.9	-.5	.9	12.3	177	17.5	124	93	51	0	0	1	1	
RAPID CITY	86	56	97	48	71	0	.1	-.2	.1	5.5	87	11.1	85	81	29	2	0	2	0	
STOUK FALLS	80	59	84	51	70	-2	.1	-.6	.1	14.0	164	22.6	132	91	52	0	0	1	1	
TN CHATTANOOGA	82	63	85	57	72	-5	1.1	-.3	.6	16.2	158	34.1	97	99	57	0	0	2	1	
KNOXVILLE	81	64	84	57	72	-5	.4	-.2	.2	11.1	106	27.6	85	100	62	0	0	3	0	
MEMPHIS	83	65	86	59	74	-6	.7	-.1	.4	15.9	156	32.0	90	90	52	0	0	2	0	
NASHVILLE	83	63	85	59	73	-5	T	-.8	T	10.9	111	24.9	75	95	49	0	0	0	0	
TX ABILENE	83	63	89	60	73	-9	.1	-.5	.1	8.1	129	19.9	133	87	45	0	0	2	0	
AMARILLO	80	59	87	55	70	-7	1.1	-.5	1.0	11.4	138	18.0	128	95	55	0	0	3	1	
AUSTIN	89	67	93	62	78	-6	T	-.5	T	7.4	117	35.2	181	85	39	3	0	1	0	
BEAUMONT	89	68	91	64	78	-5	.0	-1.3	.0	18.2	123	46.7	132	91	46	4	0	0	0	
BROWNSVILLE	91	72	96	70	82	-3	2.8	2.1	2.7	5.2	88	20.5	159	95	51	5	0	2	1	
CORPUS CHRISTI	90	71	94	65	80	-4	.1	-.9	.1	3.3	38	28.1	158	88	47	5	0	1	0	
DEL RIO	92	69	93	67	80	-5	.0	-.4	.0	3.9	87	17.6	169	75	36	6	0	0	0	
EL PASO	96	70	99	67	83	3	.1	-.1	.1	2.8	94	9.2	202	68	23	7	0	2	1	
FORT WORTH	85	65	92	62	75	-10	.8	-.3	.6	9.4	163	27.8	137	91	42	2	0	2	1	
GALVESTON	85	75	88	73	80	-3	.0	-1.0	.0	7.3	71	36.3	153	80	48	0	0	0	0	
HOUSTON	88	65	91	60	77	-6	.0	-.9	.0	9.1	85	39.9	138	94	47	2	0	0	0	
LUBBOCK	85	62	89	59	74	-4	.2	-.3	.1	6.6	99	17.8	147	96	46	0	0	2	0	
MIDLAND	86	64	88	61	75	-6	.4	-.0	.3	6.2	148	19.6	230	97	45	0	0	2	0	
SAN ANGELO	86	65	90	62	75	-7	T	-.4	T	8.4	200	17.6	164	94	44	1	0	1	0	
SAN ANTONIO	90	68	93	64	79	-5	T	-.6	T	9.5	143	38.8	218	89	41	4	0	0	0	
VICTORIA	91	69	93	65	80	-4	T	-.8	T	5.2	57	40.5	186	93	43	6	0	0	0	
WACO	89	62	96	60	76	-10	.3	-.1	.3	5.6	100	27.6	139	91	37	4	0	2	0	
WICHRITA FALLS	85	61	93	57	73	-11	T	-.5	T	10.8	176	19.6	113	90	41	2	0	1	0	
UT CEDAR CITY	92	61	98	59	76	5	.1	-.2	.0	1.3	52	6.1	91	57	18	5	0	2	0	
SALT LAKE CITY	93	65	98	62	79	5	.2	-.1	.1	.9	40	6.9	67	58	18	6	0	3	0	
VT BURLINGTON	75	56	83	49	66	-6	.7	-.9	.7	7.6	78	17.9	84	96	49	0	0	2	0	
VA NORFOLK	80	68	88	63	74	-4	5.0	3.8	2.5	20.3	162	34.2	114	98	66	0	0	4	2	
RICHMOND	80	65	87	61	72	-7	.1	-.4	.6	13.9	112	31.5	109	97	64	0	0	2	1	
ROANOKE	80	63	85	59	71	-7	.1	-.8	.0	10.5	109	30.2	117	96	56	0	0	2	0	
WA QUILLAYUTE	68	49	72	45	59	0	T	-.7	T	3.4	46	51.6	88	98	63	0	0	1	0	
SEATTLE-TACOMA	77	55	86	52	66	2	T	-.3	T	2.7	93	19.6	95	93	42	0	0	0	0	
SPOKANE	87	57	99	41	72	4	.3	-.2	.3	2.9	136	8.2	82	58	22	4	0	1	0	
YAKIMA	92	55	101	51	73	5	.0	-.1	.0	3.7	183	3.8	81	78	20	5	0	0	0	
WV BECKLEY	76	59	78	56	67	-1	.6	-.2	.6	11.2	98	27.3	94	95	57	0	0	2	1	
CHARLESTON	78	61	83	59	69	-4	.3	-.6	.2	12.4	106	29.4	100	100	64	0	0	2	0	
HUNTINGTON	78	61	83	58	70	-5	T	-.8	T	11.3	103	25.9	94	99	60	0	0	1	0	
PARKERSBURG	77	57	81	52	67	-6	.0	-.8	.0	11.2	107	24.2	91	98	55	0	0	0	0	
WI GREEN BAY	78	50	82	44	64	-3	.3	-.4	.2	7.5	87	15.8	85	96	42	0	0	0	0	
LACROSSE	79	54	83	49	66	-4	.3	-.5	.3	8.3	79	18.4	88	97	41	0	0	1	0	
MADISON	79	49	80	43	64	-5	T	-.9	T	8.3	80	16.6	79	91	39	0	0	0	0	
MILWAUKEE	76	57	80	53	66	-3	T	-.7	T	10.8	116	19.1	91	85	45	0	0	1	0	
WAUSAU	76	49	81	44	63	-3	.2	-.7	.2	5.4	50	16.2	76	98	43	0	0	0	0	
WY CASPER	87	54	93	50	71	2	.5	-.4	.4	2.8	107	6.8	82	87	20	3	0	3	0	
CHEYENNE	79	53	88	48	66	0	.4	-.1	.1	4.6	95	9.0	87	88	33	0	0	5	0	
LANDER	84	55	91	48	69	2	.3	-.2	.3	4.0	168	10.1	106	79	26	1	0	1	0	
SHERIDAN	80	53	94	42	66	-1	.6	-.3	.2	6.5	172	11.1	102	96	41	2	0	5	0	

Based on 1951-80 normals.

Hurricane "Andrew" Rakes Southern Florida, Threatens Gulf Coast

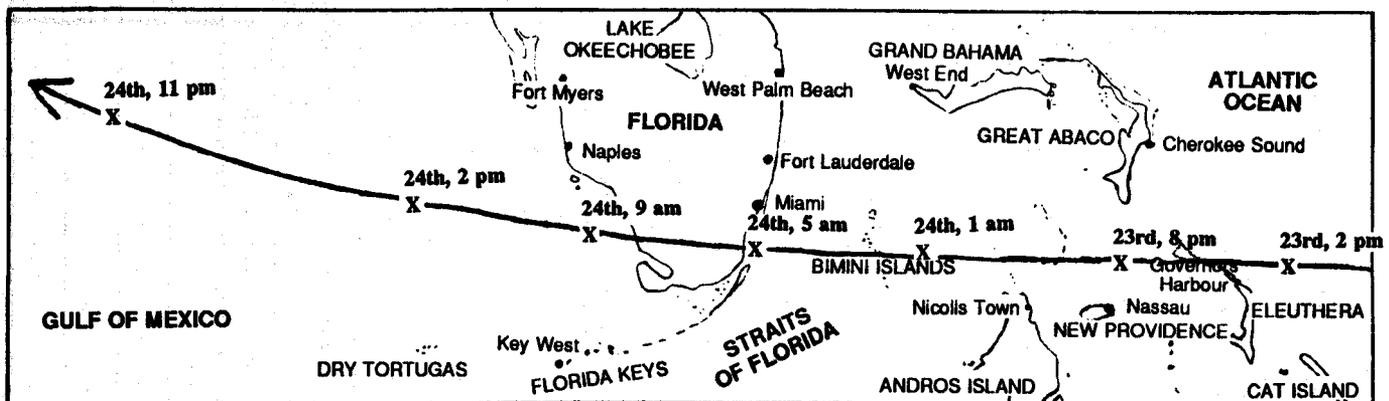
"Andrew," the first Atlantic hurricane of the year, ripped through the northern Bahamas and southern Florida packing 140 mph sustained winds. The storm clipped northern Eleuthera, an island in the Bahamas, on August 23rd, en route to an early morning August 24th rendezvous with the southern suburbs of Miami, FL. After crossing the southern tip of the Florida peninsula, "Andrew" bore northwestward, threatening the central Gulf Coast.

Damage to infrastructure and agriculture was extensive in a narrow band south of Miami, especially in the Homestead area. Winds gusted to

115 mph at Miami International Airport, and to 164 mph atop the National Hurricane Center in Coral Gables. On Florida's southwest coast, Naples recorded gusts to 100 mph. The State's agricultural summary indicated that southern Florida's avocado crop incurred heavy losses.

By 2 p.m. EDT on August 25, "Andrew" reached a position 150 miles south of New Orleans, LA, moving west-northwestward at 17 mph. Maximum sustained winds remained near 140 mph, and hurricane warnings were in effect from Pascagoula, MS, to the Bolivar Peninsula of Texas.

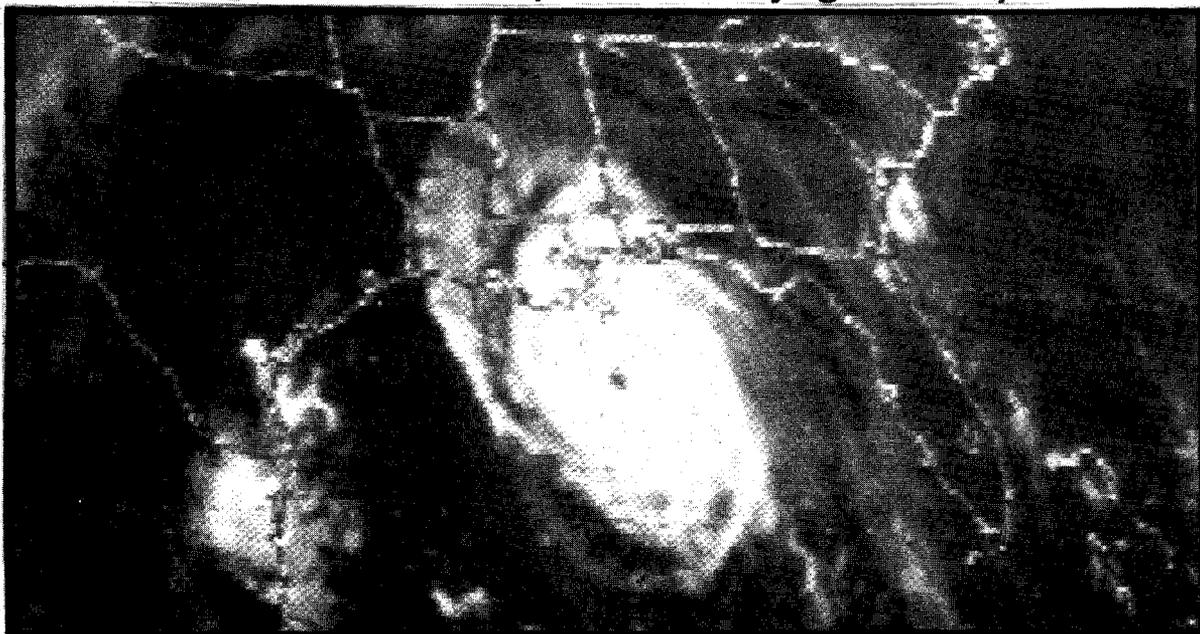
Track of Hurricane "Andrew" through the Bahamas and Florida



All times are Eastern Daylight Time.

The storm maintained a strength of 140 mph sustained winds, with gusts to 165 mph, during its traversal of the Bahamas and Florida, except for a brief weakening to 125 mph over the Everglades of Florida.

Infrared Satellite View of Hurricane "Andrew" August 25, Noon (Eastern Daylight Time)



National Agricultural Summary

August 17 - 23, 1992

HIGHLIGHTS: Scattered showers during the early week delayed harvests in the Southeast. Continued below-normal temperatures from the Great Plains eastward furthered concerns over late crop development. Heavy losses to avocados from Hurricane Andrew occurred in the Homestead area of Florida. A cold front arrived in the northern Rocky Mountains at week's end, bringing snow to northern Montana and cold weather to the region.

SMALL GRAINS: Winter wheat harvest continued in the North Central States. Seeding of the 1993 crop was underway in Washington. Spring wheat harvest progressed well, advancing the harvest to 33% complete in the five major producing States. Progress remained, however, 47 percentage points behind last year and 50 points behind the 5-year average. Extreme delays in Montana, Minnesota, and the Dakotas contrasted advanced progress in Idaho. Spring wheat condition continued to rate mostly good in all five major States with improvements shown in Montana and the Dakotas. Barley, oats, and rye harvests continued, with oats harvest virtually complete in the Ohio Valley.

CORN: Cool weather early in the week in the Central and Eastern States continued to limit maturation of the corn crop. Fifty-nine percent of the crop was in the dough stage in the 17 major States, compared with 84% last year and 80% average. Only 20% of the crop had dented, well behind 55% last year and 47% average. Harvest was active in the South, but was again interrupted by rains in the Southeast. Crop condition remained predominately good. Aflatoxin problems arose in some Texas Blacklands fields.

SOYBEANS: Soybean progress was near normal for the 19 major producing States, despite late development in the northernmost producing States. Pods were setting on 85% of the acreage, matching last year and exceeding the historic average by 1 point. Leaves were turning color and beginning to drop in several States. Crop condition remained mostly good, although lower ratings were reported in Michigan, Minnesota, and the southern Delta. Aerial blight and stem canker problems were evident in central Louisiana. Harvest was underway in Texas' Upper Coast region.

COTTON: Cotton progress was behind schedule in the southern Plains due to late seeding and slow germination, but was near normal elsewhere. Boll setting advanced to 85% complete in the 14 major producing States, 9 points behind last year and 11 points behind the average. Bolls were opening on 16% of the acreage, equaling last year and just 2% behind the average. Crop condition deteriorated in most States as cooler-than-normal temperatures were prevalent.

GRAIN SORGHUM: Grain sorghum development remained delayed in the Great Plains and middle Mississippi Valley, and ahead of schedule in the Delta. Heading was 75% complete in the 12 major producing States, 13 points behind last year and

10 points behind the 5-year average. Coloring advanced to 36% complete, compared with 44% last year and the 42% average. Harvest continued in the Gulf Coast States.

RICE: Drier weather allowed harvest to progress in the southern Delta and Texas, with progress reaching 18% complete for the five major producing States. Harvest was 23% complete at this time last year and the historic average is 18%. Heading was nearly complete in Texas and the Delta, and well along in California. Fertilization and flooding for second-crop rice continued in Louisiana.

OTHER FIELD CROPS: Haying was active across most of the Nation, although rains in the Southeast hindered efforts. Potato digging increased in the Pacific Northwest and began in Maine and North Dakota. Dry pea, lentil, and mint harvests were virtually completed in the Pacific Northwest. Colorado producers began to cut dry beans. Flax harvest was in the early stages in North Dakota, and safflower harvest continued in California. Hops harvest continued in Oregon's Willamette Valley. Sweetpotato digging continued in Texas and the Delta.

FRUIT AND NUTS: Stone fruit harvest neared completion in California, with nectarine, peach, and plum harvests all over 90% completed. California wine grape, table grape, and raisin grape harvests continued. Georgia's peach harvest was well along, while apple picking was in full swing. Apple and pear harvests were beginning in New England, and early apple and grape varieties were being harvested in the Hudson Valley. Bartlett pear harvest was nearly complete in Oregon and Washington, and winter pear harvest was progressing. Early apples were also being picked in Oregon and Washington.

VEGETABLES: Melon, squash, cabbage, and pepper harvests were active in Arizona. Strawberry harvest continued in California, with demand exceeding supplies. Summer vegetable harvests progressed well with dry weather in the West, while scattered rains interrupted activities in the Atlantic Coast States. Fall vegetable planting was active in Florida. Harvest of sweet corn for processing was active in the Pacific Northwest.

PASTURES AND LIVESTOCK: Relatively cool weather and abundant forage favored livestock in the eastern half of the Nation, while more hot, dry weather parched the West. Many cattle were being moved off Federal land in drought-stricken regions of Oregon, Idaho, and Nevada.

Crop Progress

for the Week Ending August 23, 1992

**COTTON
(Percent Setting Bolls)**

	Current	Last Wk	1991	Avg.
AL	99	97	100	100
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	100
GA	100	99	100	100
LA	100	100	97	99
MS	100	99	100	99
MO	100	100	100	100
NM	92	88	99	98
NC	87	86	96	95
OK	76	66	96	88
SC	98	96	100	95
TN	100	100	97	99
TX	71	57	89	94
14 States	85	78	94	96

These 14 States produced 99% of the 1991 cotton crop.

**COTTON
(Percent Bolls Opening)**

	Current	Last Wk	1991	Avg.
AL	5	2	10	18
AZ	50	36	19	44
AR	5	3	7	11
CA	20	10	5	10
GA	5	4	10	23
LA	54	11	6	24
MS	13	3	16	29
MO	0	0	7	13
NM	2	0	10	9
NC	15	2	12	15
OK	5	2	1	2
SC	1	0	13	9
TN	3	2	9	9
TX	16	13	24	18
14 States	16	9	16	18

These 14 States produced 99% of the 1991 cotton crop.

**GRAIN SORGHUM
(Percent Headed)**

	Current	Last Wk	1991	Avg.
AR	100	98	89	92
CO	49	27	69	71
IL	93	91	99	87
KS	55	40	85	75
LA	100	100	90	95
MS	100	99	88	96
MO	94	88	88	89
NE	90	75	90	92
NM	66	56	87	NA
OK	74	51	77	78
SD	54	33	80	83
TX	85	80	94	93
12 States	74	63	88	NA
Excl. States with NA	75	63	88	85

These 12 States produced 98% of the 1991 grain sorghum crop.

**CORN
(Percent Dough)**

	Current	Last Wk	1991	Avg.
CO	36	18	49	51
GA	100	100	100	100
IL	81	74	97	88
IN	80	67	98	84
IA	43	25	61	75
KS	75	65	97	90
KY	90	88	91	85
MI	4	1	70	50
MN	39	10	84	84
MO	88	75	94	92
NE	67	40	93	87
NC	90	78	97	94
OH	75	50	100	82
PA	30	19	68	51
SD	33	23	83	76
TX	89	84	99	99
WI	30	12	67	61
17 States	59	43	84	80

These 17 States produced 94% of the 1991 corn crop.

**CORN
(Percent Dented)**

	Current	Last Wk	1991	Avg.
CO	3	0	15	13
GA	99	99	99	99
IL	29	24	84	59
IN	24	9	75	49
IA	12	5	34	47
KS	35	20	65	50
KY	60	52	66	56
MI	0	0	25	15
MN	4	0	29	37
MO	58	37	77	72
NE	10	4	54	43
NC	74	70	86	82
OH	15	7	79	47
PA	3	1	25	14
SD	15	8	44	38
TX	75	68	88	85
WI	5	3	28	27
17 States	20	13	55	47

These 17 States produced 94% of the 1991 corn crop.

**GRAIN SORGHUM
(Percent Coloring)**

	Current	Last Wk	1991	Avg.
AR	85	73	60	66
CO	7	6	7	11
IL	41	31	52	41
KS	10	4	20	20
LA	97	89	73	74
MS	95	74	55	70
MO	47	36	47	46
NE	10	1	40	31
NM	12	8	39	NA
OK	27	15	32	39
SD	10	0	23	33
TX	71	68	75	70
12 States	36	29	44	NA
Excl. States with NA	36	30	44	42

These 12 States produced 98% of the 1991 grain sorghum crop.

**SOYBEANS
(Percent Setting Pods)**

	Current	Last Wk	1991	Avg.
AL	59	43	56	58
AR	71	59	53	50
GA	79	61	81	81
IL	95	83	100	95
IN	95	78	96	89
IA	96	85	91	97
KS	80	65	85	80
KY	52	39	56	50
LA	90	82	52	70
MI	50	40	85	80
MN	95	80	97	98
MS	83	62	51	60
MO	80	67	73	77
NE	92	73	94	92
NC	42	35	61	47
OH	85	70	100	91
SC	53	38	48	46
SD	79	67	94	95
TN	60	49	45	57
19 States	85	72	85	84

These 19 States produced 95% of the 1991 soybean crop.

**SOYBEANS
(Percent Dropping Leaves)**

	Current	Last Wk	1991	Avg.
AL	1	NA	0	1
AR	3	NA	0	0
GA	1	NA	1	4
IL	1	NA	10	4
IN	0	NA	9	4
IA	0	NA	0	2
KS	2	NA	15	5
KY	7	NA	7	4
LA	0	NA	0	0
MI	0	NA	2	1
MN	0	NA	2	4
MS	3	NA	0	6
MO	0	NA	0	0
NE	0	NA	0	0
NC	0	NA	0	0
OH	0	NA	17	7
SC	0	NA	0	0
SD	2	NA	11	10
TN	0	NA	0	1
19 States	1	NA	5	3

These 19 States produced 95% of the 1991 soybean crop.

RICE
(Percent Headed)

	Current	Last Wk	1991	Avg.
AR	93	86	80	79
CA	80	55	65	62
LA	97	90	90	92
MS	98	85	71	89
TX	96	90	100	100
5 States	93	84	82	83

These 5 States produced 97% of the 1991 rice crop.

RICE
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	3	2	9	2
CA	0	0	0	0
LA	56	40	48	44
MS	2	1	7	2
TX	44	30	65	64
5 States	18	13	23	18

These 5 States produced 97% of the 1991 rice crop.

SPRING WHEAT
(Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	84	48	40	58
MN	26	15	96	95
MT	19	6	47	64
ND	29	10	84	82
SD	61	32	95	98
5 States	33	14	80	83

These 5 States produced 87% of the 1991 spring wheat crop.

Crop Condition
(Percent)

for the Week Ending August 23, 1992

CORN

State	VP	P	F	G	EX
CO	1	6	23	52	18
GA	0	0	7	71	22
IL	0	0	7	77	16
IN	0	2	15	72	11
IA	0	0	6	68	26
KS	0	5	8	42	45
KY	0	0	7	61	32
MI	3	7	25	50	15
MN	3	15	48	32	2
MO	0	1	15	66	18
NE	0	7	11	63	19
NC	1	5	35	54	5
OH	1	4	21	52	22
PA	0	3	14	49	34
SD	1	2	17	59	21
TX	0	3	13	62	22
WI	1	8	30	55	6
17 State	1	4	16	61	18
Prev Week	1	3	17	58	21
Prev Year	6	12	35	39	8

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	15	63	22
AR	0	0	16	68	16
GA	0	0	14	81	5
IL	0	0	20	68	12
IN	0	2	21	70	7
IA	0	0	10	76	14
KS	0	0	14	53	33
KY	0	0	30	65	5
LA	0	4	49	47	0
MI	5	10	25	45	15
MN	2	18	52	26	2
MS	0	10	15	61	14
MO	0	5	31	57	7
NE	1	2	8	69	20
NC	0	3	31	63	3
OH	2	9	29	46	14
SC	0	1	38	61	0
SD	1	3	16	57	23
TN	0	0	8	82	10
19 State	1	4	23	60	12
Prev Week	0	3	22	63	12
Prev Year	4	14	41	36	5

COTTON

State	VP	P	F	G	EX
AL	0	0	12	86	2
AZ	0	0	14	57	29
AR	0	0	30	70	0
CA	0	0	0	70	30
GA	0	0	28	72	0
LA	0	1	50	49	0
MS	0	0	65	29	6
MO	0	0	40	50	10
NM	0	8	59	33	0
NC	0	8	60	32	0
OK	17	18	15	50	0
SC	0	1	87	12	0
TN	0	0	22	74	4
TX	9	8	67	15	1
14 State	5	5	48	37	5
Prev Week	5	2	42	45	6
Prev Year	0	7	28	58	7

GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	0	78	22
CO	1	3	24	62	10
IL	0	0	37	51	12
KS	0	1	20	46	33
LA	0	0	37	63	0
MS	0	0	9	80	11
MO	0	0	25	60	15
NE	0	3	22	60	15
NM	0	0	16	84	0
OK	0	0	7	92	1
SD	1	9	15	68	7
TX	0	3	41	47	9
12 State	0	2	26	54	18
Prev Week	0	3	21	57	19
Prev Year	3	18	37	37	5

SPRING WHEAT

State	VP	P	F	G	EX
ID	1	6	28	56	9
MN	0	2	18	70	10
MT	5	11	26	38	20
ND	0	2	19	62	17
SD	2	4	19	63	12
5 State	1	4	20	59	16
Prev Week	1	4	22	65	8
Prev Year	N/A	N/A	N/A	N/A	N/A

RICE

State	VP	P	F	G	EX
AR	0	0	20	80	0
CA	0	0	5	80	15
LA	0	0	58	42	0
MS	0	0	50	50	0
TX	0	0	32	55	13
5 State	0	0	30	67	3
Prev Week	0	0	29	70	1
Prev Year	1	0	33	66	0

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: Rainfall mostly 1.00 to 3.00 in. north central, east, south; under 0.25 in. Tennessee Valley. Temperatures 3 to 6° below normal north; 2 to 4° below normal south. Lows mid 50s north; upper 60s extreme south. Highs upper 80s north; low 90s south.

Days suitable for fieldwork 3.9. Soil moisture 6% short, 57% adequate, 37% surplus. Scattered showers delayed harvest of hay, corn, sorghum. Cool, cloudy weather hampering cotton development, contributing to disease increase in peanuts. Corn 96% dented, 97% 1991, 97% avg.; 75% mature, 75% 1991, 79% avg.; 23% harvested, 34% 1991, 43% avg.; 1% fair, 63% good, 36% excellent. Sorghum 5% harvested, 11% 1991, 20% avg.; 15% fair, 82% good, 3% excellent. Peanuts 1% dug, 2% 1991, 1% avg.; 100% good. Pasture 7% fair, 52% good, 41% excellent. Livestock 3% fair, 82% good, 15% excellent. Activities: Scouting fields for insects, diseases; applying fungicides, herbicides, insecticides to peanuts and cotton; harvesting hay, corn, sorghum where dry enough; marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

ALASKA: Scattered showers general with some sunny intervals. Highs 4° below normal to 7° above normal. Lows 1° below normal to 4° above normal. Seasonal precipitation 0.79 in. wetter than normal, Fairbanks to 2.89 in. drier than normal, PMC-Butte, Palmer area.

Days suitable for haymaking 4.0. Topsoil/subsoil 10% short, 85% adequate, 5% surplus. Small grains: oats, 100% turning/earlier. Barley, 70% ripe, 20% swathed, 10% harvested. First crop hay harvest over 90% complete. Second crop harvest, 10% complete. Last year, first crop haying was mostly complete, 2nd crop 20% complete.

ARIZONA: Thunderstorms: 16th, central, north, southwest; 17th, north, central, south central, 18th, northeast; 19th, central, east; 20th, northeast; 21st, north, south central; 22nd, statewide. Precipitation a trace northwest to 4.46 in. central. Temperatures normal to 7° above. Extremes 48°, 99° higher elevations; 61°, 116° deserts.

Cotton bolls opening 50%, 19% 1991, 44% avg.; 14% fair, 57% good, 29% excellent; weeds light to moderate; insects moderate to severe, central, west; light, east. Activities: Insect monitoring, pesticide applications, irrigating, statewide; defoliating, harvesting, west. Alfalfa good; weeds, insects light to moderate; harvest, moderate to active, light rain damage. Lemon harvest, west. Cantaloupes, watermelons, honeydews, bell, chili peppers harvested, central. Apples, cabbage, squash, garlic, chili peppers harvested, east.

ARKANSAS: Temperatures averaged well below normal with record setting lows, scattered showers middle of week, north. Extremes 45°, 93°. Rainfall none to 1.20 in.

Days suitable for fieldwork 7. Soil moisture supplies 33% short, 65% adequate, 2% surplus. Main farming activities: Scouting rice, cotton; applying insecticides to cotton, applying herbicide to soybeans, irrigating cotton, rice, draining rice fields, harvesting rice, sorghum, corn, pasture weed control, hay harvesting, working cattle. Cloudy, cool days slowed progress on cotton, rice crops. Rice sheath blight, blast problems continue in central, east central. Harvesting intensified as weather allowed. Maturity hampered by weather conditions. Cotton Boll weevil activity remained high in southeast, east central. Shedding of fruit continued in east due to weather conditions. Soybeans being irrigated in east central. Some disease problems reported in

central. Grain sorghum harvest continued. Sorghum harvested 8%, 10% 1991, 7% avg. Yields good in southwest. Moisture content high in northeast. Some midge problems reported in northeast. Corn 2% fair, 59% good, 39% excellent. Corn harvested 14%, 41% 1991, 22% avg. Yields reported excellent in southwest. Sunflower harvest began in southwest. Peach harvest completed. Watermelon harvest continued, nearing 95% complete. Conditions reported fair to good. Livestock good. Some cases of anaplasmosis reported in southwest. Heavier marketing weights reported in southeast. Pastures mostly good. Hay harvest continued. Some producers getting fourth cutting on bermuda.

CALIFORNIA: Strong high pressure continued hot weather over interior, cooler temperatures near coast. Coastal drizzle only precipitation, no thunderstorms over mountains.

Field activities good progress, open weather. Wheat stubble baled. Few high elevation, dryland fields remained for harvest. Cotton, rice development excellent, hot temperatures. Cotton irrigated, sprayed aphids, lygus, mites, worms. Harvest underway, desert areas. Corn irrigated, treated mites. Alfalfa sprayed weevils. Sunflowers heading out. Alfalfa seed, blackeye beans, safflower, silage corn, sugarbeets harvested. Alfalfa, sudan hay harvests normal. Stone fruit harvest neared completion. Nectarines, peaches, plums, Bartlett pears more than 90% harvested. Prune harvest slowed down. Wine grape, table grape, raisin grape harvests continued. Raisin grape growers laid fruit, drying trays. Almond harvest continued, steady pace. Walnut growers prepared orchard floors, harvest. Pistachio orchards, treated Navel orange worm. Granny Smith apple harvest began. McIntosh apple harvest began, Riverside County. Asian pears, picked, packed. Tulare County, heat damage, kiwifruit, vines. Fig, pomegranate, avocado harvest continued. Valencia oranges harvested. Navel groves treated, weeds. Strawberry harvest continued, demand exceeding supplies, variable quality central coast. Central valley growers busy planting, replanting into prepared beds. Broccoli moderate Salinas-Watsonville, fairly light Santa Maria, variable quality. Cauliflower light, variable quality central coast. Carrot harvest continued steady central district. Celery moderate, good quality central coast. Sweet corn harvest continued Statewide good quality. Iceberg lettuce, central coast, moderate, variable quality. Fall lettuce planting continued Westside area. Leaf, Romaine lettuce moderate, variable quality Salinas-Watsonville. Westside area, new melon plantings growing rapidly, harvest continued at slow pace, other areas melon shipments proceeded good quality. Desert melons developing well despite whitefly presence. Summer onion digging progressed central, southern districts. Summer potato harvest continued Delta, south districts. Sweet potato harvest for storage began Merced-Atwater area. Fresh market, processing tomato harvests continued Statewide fair to good quality. Other vegetables harvested: beans, cucumbers, garlic for fresh market and processing, peppers, various oriental vegetables. Pasture, range fair to poor. Pockets of good to very poor remain. Overall unchanged. Showers in foothills caused leaching of nutrients. Fire hazard high. Cattle movement moderate to heavy. Water supplies below normal; supplemental feeding above normal. Sheep grazed wheat stubble.

COLORADO: A series of cold fronts moved through the northern, eastern parts of the State during the first half of the week. During the last half of the week high pressure moved to the

southeastern portion of the United States, a strong low pressure system over the Pacific northwest brought a southwest flow of abundant moisture from the tropics. Temperatures 3° below normal east of Divide, 4° above normal in the west.

Days suitable for fieldwork 5.1. Soil moisture 4% very short, 30% short, 60% adequate, 6% surplus. Alfalfa 2nd cutting 74%, 63% 1991, 74% avg. Alfalfa 3rd cutting 16%, 10% 1991, 12% avg. Barley harvested 65%, 40% 1991, 62% avg. Oats harvested 61%, 60% 1991, 55% avg. Spring wheat turning color 67%, 81% 1991, 86% avg.; harvested 16%. Sorghum headed 49%, 69% 1991, 71% avg.; turning color 7%. Dry beans flowering 81%, 87% 1991, 93% avg. Producers are just beginning to cut dry beans. Dry bean 1% very poor, 6% poor, 30% fair, 51% good, 12% excellent. Summer potatoes harvested 39%, 22% 1991, 22% avg. Corn dough stage 36%, 49% 1991, 51% avg. Corn development is behind normal for this time of year, Corn 1% very poor, 6% poor, 23% fair, 52% good, 18% excellent. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures 3° below normal Panhandle, 1 to 2° below normal north, central Peninsula, 1 to 3° above normal south. Lows: upper 60s north, low 70s central Peninsula, south, mid 70s southeast. Highs: low 90s Panhandle, low to mid 90s Peninsula. Precipitation: Some Panhandle locations received over 3.00 in. while others less than 0.50 in., average 1.00 to 2.00 center, south pre-hurricane totals 1.00 to 2.00 in. below normal.

Soil moisture adequate to surplus throughout State. Flooding in scattered areas. Corn harvesting, haymaking active. Tobacco marketing active. Farmers preparing for peanut harvest. Cotton, peanut, soybean, sugarcane making good progress. Citrus groves, trees excellent. Abundant new growth, new crop fruit making good progress. Fresh fruit testing underway. No harvest at this time. Caretakers cutting cover crops, spraying, fertilizing, herbiciding all areas. Dead tree removal continues. Limited young tree planting. Heavy loss to avocados in Homestead expected from Hurricane Andrew. Estimated one third of Avocados already harvested. Fall vegetable crop field preparation, planting active throughout State, weather permitting. West central: Planting watermelons, cucumbers. Central: carrots, celery planting. Palmetto-Ruskin: tomato planting very active. West Coast: cucumbers, eggplant, peppers, watermelons. Southwest: planting tomatoes, peppers. On eve of Hurricane Andrew, field preparations underway on the east coast, southwest, Dade/Homestead. East coast: early planted eggplants showing good growth, weather delayed later eggplant transplanting. Southwest: early planted stake tomatoes in good condition, transplanting of later crop increasing. Homestead: growers preparing land for September plantings of squash, snap beans, cucumber, eggplant. State's pastures fair to excellent. Pasture ratings, 15% fair, 40% good, 45% excellent. Moisture levels mostly surplus. State's cattle herds good to excellent.

GEORGIA: Temperatures 2 to 6° below normal. Highs 80s northeast mountains, 90s extreme south. Coolest middle to upper 50s northeast mountains, 70s south. Rain 2 to 5 days north, 3 to 6 days central, south. Weekly totals 1.00 to 3.00 in. local areas, north, isolated spots central, south over 4.00 in.

Days suitable for fieldwork 3.7. Soil moisture 4% short, 58% adequate, 38% surplus. Corn 7% fair, 71% good, 22% excellent; 95% mature, 96% 1991, 97% avg.; 21% harvested for grain, 47% 1991, 49% avg.; wet fields, rainy weather slowing harvest. Cotton 28% fair, 72% good; boll rot on increase, armyworm infestations declining. Sorghum 16% fair, 87% good; 3% harvested for grain, 7% 1991, 2% avg. Peanuts 17% fair, 83% good; 0% dug, 4% 1991, 3% avg.; 0% threshed, 2% 1991, 1% avg.; white mold problems increasing. Soybeans 14% fair, 81% good, 5% excellent; 95% blooming, 96% 1991, 96% avg. Tobacco 44% fair,

47% good; 9% excellent; 86% harvested, 96% 1991, 89% avg. Vegetables 3% poor, 61% fair, 36% good; rain, cloudy weather hindering insect, disease control. Apples 1% poor, 23% fair, 76% good; 27% harvested, 34% 1991, 36% avg. Peaches 95% harvested, 100% 1991, 100% avg. Pecans 8% very poor, 19% poor, 57% fair, 16% good. Hay, pastures good. Cattle, hogs good.

HAWAII: Tradewinds, showery weather cooled summer heat. Tropical disturbance brought heavier showers earlier in the week while high pressure system caused gusty trades and showers after mid week. Irrigation usage continued for drier areas, ensuring normal crop development. Spraying, roguing for pest controls were active. Temperatures low 70s to low 90s. Rainfall none to 5.50 in. Days suitable for fieldwork 7.0. Banana production continued near normal levels. Fruit set gap affecting papaya production. Papaya ring-spot virus remains a problem for papaya growers. Sweet corn harvesting moderate to heavy on Oahu.

IDAHO: Temperatures above normal throughout most of State. Scattered precipitation with Moscow receiving most with 0.70 in.

Days suitable for fieldwork 7. Soil moisture 30% very short, 36% short, 34% adequate. Spring barley harvested 82%, 43% 1991, 61% avg. Oats harvested 79%, 47% 1991, 55% avg. Potatoes 72% turning, 29% vines dying/killed, 3% harvested. Potato good. Second cutting alfalfa 94%, 81% 1991, 88% avg.; third cutting 32%, 10% 1991, 11% avg. Dry pea harvest 99%, 71% 1991, 83% avg. Lentil harvest 99%, 60% 1991, 72% avg. Mint 1st cutting 99%, 81% 1991, 83% avg. Onion harvest 18%, 13% 1991, 12% avg. Sweet corn for processing 32% harvested. Peach harvest 94% complete. Plum, prune harvest 31% complete, 47% 1991, 33% avg. Irrigation water 25% very poor, 30% poor, 20% fair, 25% good. Activities: 2nd, 3rd cuttings of alfalfa, harvesting of small grains, mint, dry peas, onions, lentils, potatoes. Pasture, range condition 50% of normal. Livestock good condition.

ILLINOIS: Cool, drier than normal weather occurred across State. Temperatures mid 50s to the low 80s. Precipitation less than 0.30 in. most parts of the State, with isolated amounts of 1.00 in. to over 2.75 in. south.

Days suitable for fieldwork 6.75. Soil moisture 43% short, 57% adequate. Corn mature 5%, 30% 1991, 13% avg. Soybeans turning yellow 6%, 29% 1991, 15% avg. Sorghum mature 1%, 8% 1991, 3% avg. Alfalfa third cutting 55%, 63% 1991, 62% avg.; 12% excellent, 68% good, 17% fair, 3% poor. Oats harvested 99%, 100% 1991, 100% avg. Pasture 83% of normal.

INDIANA: Temperatures 2 to 4° below normal. Highs upper 70s to lower 80s. Lows low 50s to lower 60s. Precipitation none to 0.50 north northeast, over 1.00 in far southwest. Elsewhere, less than 0.10.

Days suitable for fieldwork 6.5. Topsoil 39% short, 60% adequate, 1% surplus. Subsoil 20% short, 79% adequate, 1% surplus. Oats harvested 100%. Alfalfa cut twice 95%. Pasture 91%, 93% last week, 44% 1991. Soybeans turning color 4%, 30% 1991, 16% avg.

IOWA: Temperatures 1 to 4° below normal. Extremes 44°; 86°. Rainfall none to 0.93 in.; average 0.15. Tenth consecutive week with below normal temperatures.

Days suitable for fieldwork 6.2. Topsoil 1% short, 97% adequate, 2% surplus. Subsoil 1% short, 94% adequate, 5% surplus. Hay 15% fair, 69% good, 16% excellent. Pasture 11% fair, 64% good, 25% excellent. Corn in milk stage 90%, 90% 1991, 96% avg. Third cutting alfalfa 30% harvested, 41% 1991, 55% avg. Second cutting clover 85% harvested, 87% 1991, 94% avg. Another excellent week for livestock; added weight gains shortening feed period needed to finish for slaughter.

KANSAS: Temperatures 4 to 11° below normal over State. Significant precipitation (0.85 to 1.36 in.) received western third. Little rain over remainder of State.

Days suitable fieldwork 4.5. Surface moisture 4% short, 85% adequate, 11% surplus. Subsurface moisture 3% short, 91% adequate, 6% surplus. Row crops mostly good to excellent. Crop progress still behind normal because of cool temperatures less than normal sunshine during growing season. Rain replaced by sunshine many areas past week, crops progressed despite unseasonably low temperatures. Need hot sunny weather to speed progress to maturity, particularly sorghum. Weeds are a problem in many areas. Insect, disease problems are light. Pasture in excellent condition. Forage, stockwater adequate over State. Seventy-five percent alfalfa cut third time. About 5% cut fourth time.

KENTUCKY: Cool, relatively dry week. High temperature near 80°, 5° below normal. Low temperature near 60°, 3° below normal. Precipitation 0.25 to 0.50 in. central, east. West rainfall averaged 0.80 in.

Days suitable for fieldwork 5.4. Soil moisture 5% very short, 12% short, 81% adequate, 2% surplus. Short far west. Corn mostly good to excellent. Burley cutting active, 35% complete, 44% 1991, 28% avg. Dark tobacco 40% cut. Soybeans mostly good, warmer temperature would benefit pod filling. Hay fair to mostly good. Pastures good to excellent.

LOUISIANA: Temperatures 4.3 to 9.2° below normal. Extremes 53°; 93°. Rainfall none northeast, west central to 0.73 in. east central.

Days suitable for fieldwork 5.9. Soil moisture 3% very short, 33% short, 56% adequate, 8% surplus. Corn 6% fair, 91% good, 3% excellent; 100% mature, 99% 1991, 96% avg.; 50% harvested, 72% 1991, 53% avg. Hay 70% second cutting, 22% 1991, 31% avg. Rice 74% ripe, 63% 1991, 59% avg. Fertilizing, flooding second crop active. Sorghum 82% ripe, 54% 1991, 48% avg.; 46% harvested, 21% 1991, 23% avg. Soybeans 96% blooming, 79% 1991, 89% avg.; 12% leaves turning color, 1% 1991, 5% avg. Sugarcane 70% good, 30% excellent; 1% planted, 7% 1991, 8% avg. Spraying for bores where needed continued. Sweet potatoes 17% fair, 83% good; 15% harvested, 19% 1991, 18% avg. Livestock 26% fair, 65% good, 9% excellent. Pastures 3% poor, 2% fair, 92% good, 3% excellent. Fertilizing, hay baling active. Vegetables 10% poor, 60% fair, 30% good. Scouting for insects, spraying active in cotton. Aerial blight, stem canker problems in soybeans continued, central.

MARYLAND & DELAWARE: MARYLAND: Rainfall 1.93 in. Temperature 69°, normal 74.3°. Extremes 42°; 86°.

Days suitable for fieldwork 4. Topsoil 76% adequate, 24% surplus. Subsoil 10% short, 76% adequate, 14% surplus. Corn good; silking 96%, 98% 1991, 96% avg.; dough stage 54%, 85% 1991, 78% avg.; 21% dent, 64% 1991, 48% avg. Soybeans good; 72% blooming, 91% 1991, 84% avg.; 49% setting pods, 75% 1991, 64% avg. Pastures good. Alfalfa third cutting 67%, other hay third cutting 27%. Fruit harvested; peaches 61%; apples 12%. Vegetable harvest continued when possible. Outdoor activities resumed to normal.

DELAWARE: Precipitation 3.25 in. Temperature 70.3°, normal 74.4°. Extremes 52°; 85°.

Days suitable for fieldwork 2. Topsoil 50% adequate, 50% surplus. Subsoil 83% adequate, 17% surplus. Soybeans fair to good; 75% blooming, 93% 1991, 86% avg.; 36% setting pods, 57% 1991, 49% avg. Corn fair to good; 70% dough stage, 94% 1991, 82% avg.; 20% dent, 66% 1991, 52% avg. Sorghum 87% headed. Alfalfa third cutting 77%, other hay third cutting 46%, supplies short to adequate. Peaches picked 70%; apples 7%. Vegetable, melon harvest continued. Pastures good.

MICHIGAN: Temperatures 0 to 8° below normal. Extremes 35°; 84°. Precipitation none to 0.94 in.

Days suitable for fieldwork 6.5. Soil moisture 30% short, 65% adequate, 5% surplus. Corn 4% dough, 70% 1991, 50% avg.; 0% dent, 25% 1991, 15% avg.; 3% very poor, 7% poor, 25% fair, 50% good, 15% excellent. Soybeans 95% blooming, 100% 1991, 98% avg.; 50% setting pods, 85% 1991, 80% avg.; 5% very poor, 10% poor, 25% fair, 45% good, 15%

excellent. Pasture 80% of normal. Activities: Haying, baling straw, preparing wheat ground, planting alfalfa, harvesting oats, fruits, vegetables.

MINNESOTA: Temperatures 3° below normal to 1° above normal. Extremes 42°; 94°. Precipitation 0.49 to 1.00 in. above normal for the north-central, southwest, 0.12 to 0.71 in. below normal elsewhere. Greatest weekly total 3.44 in.

Days suitable for fieldwork 5.8. Topsoil 10% very short, 29% short, 56% adequate, 5% surplus. Spring wheat 43% cut/swathed, 94% 1991, 95% avg.; 26% combined, 96% 1991, 95% avg. Oats 91% cut/swathed, 99% 1991, 99% avg.; 74% combined, 99% 1991, 98% avg. Barley 72% cut/swathed, 99% 1991, 99% avg.; 49% combined, 99% 1991, 99% avg. Corn 39% in dough, 84% 1991, 84% avg.; 4% dent, 29% 1991, 37% avg. Soybeans 95% setting pods, 97% 1991, 98% avg.; 5% yellowing, 13% 1991, 20% avg. Wheat 87% harvested, 99% 1991, 99% avg. Rye 88% harvested, 98% 1991, 98% avg. Sweet corn 28% harvested, 56% 1991, 58% avg. Stubble 11% plowed/tilled, 39% 1991, 42% avg. Soybean 2% very poor, 18% poor, 52% fair, 26% good, 2% excellent. Corn 3% very poor, 15% poor, 48% fair, 32% good, 2% excellent.

MISSISSIPPI: Temperatures 74°, 6.7° below normal. Extremes 51°; 95°. Most of the State received below average rainfall; average 0.64 in., 0.14 below normal. Soil temperature 80°.

Days suitable for fieldwork 4.7, 6.3 1991, 5.8 avg. Soil moisture 9% short, 79% adequate, 9% surplus, 3% excessive. Corn dented 94%, 80% 1991, 83% avg.; mature 69%, 76% 1991, 57% avg.; harvested 18%, 19% 1991, 16% avg.; silage harvested 72%, 78% 1991, 67% avg.; 20% fair, 67% good, 13% excellent. Cotton open bolls 13%, 16% 1991, 29% avg.; 65% fair, 29% good, 6% excellent. Peanuts harvested 27%, 23% 1991, 22% avg. Rice 98% heading, 71% 1991, 89% avg.; mature 36%, 17% 1991, 24% avg.; harvested 2%, 7% 1991, 2% avg.; 50% fair, 50% good. Sorghum coloring 95%, 55% 1991, 70% avg.; 58% mature, 45% 1991, 40% avg.; harvested 11%, 11% 1991, 13% avg.; silage harvested 55%, 65% 1991, 55% avg.; 9% fair, 80% good, 11% excellent. Soybeans 96% blooming, 82% 1991, 84% avg.; 83% podding, 51% 1991, 60% avg.; coloring 10%, 8% 1991, 8% avg.; shedding leaves 3%, 0% 1991, 6% avg.; 10% poor, 15% fair, 61% good, 14% excellent. Sweet potatoes harvested 12%, 25% 1991, 13% avg. Watermelons 97% harvested, 95% 1991, 91% avg. Hay harvested 84%, 83% 1991, 76% avg. Pecans 32% very poor, 41% poor, 21% fair, 6% good. Livestock 5% fair, 72% good, 23% excellent. Pasture 94% of normal. Activities: Insect control, harvesting hay.

MISSOURI: Temperatures 6 to 12° below normal. Rainfall 0.12 in., significant amounts mostly limited to southeastern district at 0.61 in.

Days suitable for fieldwork 6.3. Topsoil 29% short, 68% adequate, 3% surplus. Driest areas are central, east central, south central districts. Corn dented 49% in 3 northern districts to 100% southeast, nearly all areas behind normal. Soybeans setting pods varies from 49% southwest to 85% northwest, northeast. Early soybean fields just beginning to color. Sorghum heading least advanced southwestern district 82%, complete south central, southeastern districts. Sorghum coloring varies from around 20% northern third to 74% southeastern district. Sorghum mature 14%, 5% 1991, 10% avg., mostly confined to southeastern district at 31% mature. Alfalfa third cutting 66%, 80% 1991, 82% avg. Pasture 4% poor, 31% fair, 54% good, 11% excellent.

MONTANA: Temperatures near normal first part, below normal latter part. Heavy snow mountain areas, east slopes. Almost all stations reported precipitation with some ranging above 0.50 in.

Days suitable for fieldwork 6.6. Topsoil 56% short, 43% adequate, 1% surplus. Subsoil 51% short, 48% adequate, 1% surplus. Winter wheat 73% harvested, 72% 1991, 79% avg. Barley 35% harvested, 45% 1991, 63% avg.; 7% very poor, 14% poor, 28% fair, 40% good, 11% excellent. Oats 34% harvested, 47% 1991, 57% avg.; 2% very poor, 8% poor, 22% fair, 54% good, 14% excellent. Sugarbeets 1% poor, 5% fair, 76% good, 18% excellent.

Corn 1% poor, 12% fair, 72% good, 15% excellent. Dry beans 9% fair, 80% good, 11% excellent. Pasture, range feed 85%, an increase of 1 point from last week. Other hay 91% harvested, 95% 1991, 95% avg. Second cutting alfalfa hay 65% harvested, 63% 1991, 72% avg.

NEBRASKA: Temperatures near normal. Scattered precipitation occurred west with over 1.30 in. North Platte while the east had trace amounts.

Days suitable for fieldwork 6.1. Topsoil 14% short, 81% adequate, 5% surplus. Subsoil 4% short, 93% adequate, 3% surplus. Row crops 1 to 2 weeks behind normal development. Corn 7% poor, 11% fair, 63% good, 19% excellent; 67% dough, 93% 1991, 87% avg.; 10% dent, 54% 1991, 43% avg. Soybean 1% very poor, 2% poor, 8% fair, 69% good, 20% excellent; 92% setting pods, 94% 1991, 92% avg. Sorghum 3% poor, 22% fair, 60% good, 15% excellent; 90% headed, 90% 1991, 92% avg.; 10% coloring, 40% 1991, 31% avg. Alfalfa 2% very poor, 23% fair, 66% good, 9% excellent; 50% third cutting, 66% 1991, 66% avg. Pasture, range 98% of normal.

NEVADA: High pressure, warm moist airmass dominated first of period; end of period low pressure brought cooler, breezy weather. Thunderstorms widespread over northern two-thirds of State. Rainfall 0.11 to over 2.00 in. Much above normal temperatures over entire State first half of week fell to near normal late in week. Extremes 23°; 118°.

Weather generally ideal for harvesting all remaining acreage hay, small grains. Combining alfalfa seed full swing. Potato crop generally sized up well, digging to get underway soon. High elevation ranges furnishing very marginal grazing most areas. Some cattle already down on low elevation winter ranges.

NEW ENGLAND: Precipitation 0.44 to 1.51 in. Maine, New Hampshire, Vermont 0.03 to 0.75 in.; 0.91 to 2.93 in. south. Temperatures low to mid 60s north, low to high 60s south; 2° above normal to 5° below normal. Maximum temperatures mid 70s to mid 80s north, low to mid 80s south; minimum temperatures low 40s to mid 50s north, high 30s to mid 50s south.

Days suitable for fieldwork 5. Soil moisture 3% short, 58% adequate, 39% surplus. Available grazing 3% short, 90% adequate, 7% surplus. Fieldwork progress 5 days behind schedule. Maine potatoes 5% harvested in central, southern regions; good. Rhode Island potatoes 15% harvested, 25% 1991, 21% avg.; good. Connecticut River Valley potatoes 21% harvested, 18% 1991, 10% avg.; good. Maine oats 16% harvested, 13% 1991, 10% avg.; good. Field corn good. Sweet corn 48% harvested, 65% 1991, 59% avg.; good. Second cut hay 69% harvested, 77% 1991, 71% avg.; good. Third cut hay 10% harvested, 27% 1991, 27% avg.; good. Shade tobacco 65% harvested; good. Outdoor tobacco 50% harvested; good. Apple harvest beginning, 6% harvested, color good, size medium; good. Peaches 37% harvested, size medium; good. Connecticut pears 6% harvested, size medium; good. Cranberry good to excellent. Maine wild blueberry 80% harvested, size medium; good to excellent. Activities: Spraying for insects, spreading manure, harvesting vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, blueberries, haying.

NEW JERSEY: Temperatures much below normal. Extremes 41°; 88°. Rainfall 0.58 in. north, 1.86 in. central, 1.59 in. south. Heaviest 24 hour total 4.78 in. on 17th, 18th. Estimated soil moisture, in percent field capacity, averaged 87% north, 87% central, 83% south. Four-inch soil temperatures 65° north, 69° central, 71° south.

Soil moisture content adequate to surplus. Dandelion, dill, basil, broccoli rabe, collards, kale, okra, beets, green onions, cabbage, leeks, spinach, parsley, turnips in light volume. Cucumbers, pickles, squash, tomatoes, watermelon, in moderate supply. Eggplant, green beans, peppers, sweet corn, peaches in good volume. Blueberries finished. Peaches finishing Loring, starting Cresthaven, Biscoe. Apples:

picking Polar Red, Molly's Delicious. Cranberries starting to color. Rye, wheat, oat combining finished. Rain damaged peaches, tomatoes. Third cut alfalfa hay central, southern areas. Pastures good overall.

NEW MEXICO: Temperatures a few degrees below normal over the extreme east, close to normal elsewhere. Extremes 44°; 99°. The majority of the State received some precipitation during the week. Highest 1.00 to 3.00 in. northwestern corner.

Days suitable for fieldwork 5.8. Soil moisture 23% short, 71% adequate, 6% surplus. Crop conditions: Alfalfa 26% fair, 68% good, 6% surplus. Corn 95% good, 5% excellent. Chile 13% fair, 80% good, 7% excellent; harvest active. Onions 14% fair, 86% good, with harvest slowing. Fall lettuce good. Pecans 33% fair, 67% good; average drop in most areas; a few reports of heavier than normal. Apples 12% poor, 22% fair, 66% good. Winter wheat planting active on high plains. Cattle good to excellent; sheep fair to excellent. Range and pasture 94% of normal.

NEW YORK: Cool weather continued. Highs mid 60s to mid 70s. Lows dropped to the 40s. Weather warmed to seasonal levels at end of week with highs in 80s. Very wet week on Long Island. Up to 4.00 in. received. Above normal rainfall also fell in Lower Hudson Valley, eastern Catskills. Elsewhere rainfall was below normal.

Days suitable for fieldwork 3.9. Soil moisture mostly adequate to surplus. Heavy rains in eastern areas flooded fields, damaged crops. Pasture 86% of normal. Hay fair to mostly good, corn fair to good. Wheat 86% harvested, 100% 1991, 100% avg. Oats 22% harvested, 91% 1991, 76% avg. Second cutting of alfalfa 70% finished, 94% 1991, 83% avg. Warmer weather needed for crop development. Early apple, grape varieties being harvested Hudson Valley region. Pear harvest continued active. Fruit in the Lake Ontario region was in good to excellent condition. Development of apple crop was one week behind normal. Vegetable harvests gained momentum despite late maturing crops. Cool weather has slowed development. Heavy rainfall in eastern areas, especially on Long Island, damaged growing crops. Orange County onions excellent.

NORTH CAROLINA: Temperatures 2 to 4° below normal. Precipitation 9.33 in. at Seymour-Johnson Air Force Base to no precipitation at Gladesboro.

Days suitable for fieldwork 2.9. Soil moisture 3% short, 47% adequate, 50% surplus. Crop condition: Pasture 2% very poor, 18% fair, 78% good 2% excellent. Tobacco 4% poor, 43% fair, 50% good, 3% excellent. Corn 1% very poor; 5% poor, 35% fair, 54% good, 5% excellent. Cotton 8% poor, 60% fair, 32% good. Peanuts 50% fair, 50% good. Soybeans 3% poor, 31% fair, 63% good, 3% excellent. Hay 2% very poor, 23% fair, 75% good. Sweet potatoes 13% poor, 30% fair, 57% good. Apples 5% very poor, 16% poor 21% fair, 58% good. Peaches 30% very poor, 10% poor, 50% fair, 10% good. Sorghum 36% fair, 64% good. Truck crops 7% poor, 48% fair, 45% good. Cotton squared 96%, 100% 1991, 100% avg.; setting bolls 87%, 96% 1991, 95% avg.; open bolls 15%, 12% 1991, 15% avg. Corn soft dough 90%, 97% 1991, 94% avg.; dented 74%, 86% 1991, 82% avg.; mature 53%, 65% 1991, 55% avg. Soybeans flowering 65%, 81% 1991, 76% avg.; setting pods 42%, 61% 1991, 47% avg. Flue-cured tobacco harvested 51%, 55% 1991, 51% avg. Peaches harvested 87%, 98% 1991, 96% avg. Hay, roughage supplies 2% very short, 2% short, 91% adequate, 5% surplus. Hay second cutting 75%; third cutting 34%. Major activities: topping, harvesting, curing, marketing tobacco. Other activities: harvesting vegetables; cutting corn for silage; spraying cotton, peanuts; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: Mild with light showers across the State. Temperatures 1 to 3° above normal. Extremes 41° north central, west central, southwest, south central; 98° northwest. Precipitation 0.03 in. south central to 0.64 in. east central 22nd. Rain across the state on 23rd.

Days suitable for fieldwork 5.3. Soil moisture improved from last week. Topsoil 4% very short, 33% short, 59% adequate, 4% surplus. Subsoil 17% very short, 48% short, 35% adequate. Small grain harvest continued far behind 1991, average. Spring wheat 2% poor, 19% fair, 62% good, 17% excellent; 29% combined, 84% 1991, 82% avg. Durum 1% poor, 27% fair, 61% good, 11% excellent; 11% combined, 61% 1991, 65% avg. Barley 1% poor, 18% fair, 60% good, 21% excellent; 57% combined, 95% 1991, 93% avg. Oats 3% poor, 32% fair, 58% good, 7% excellent; 51% combined, 88% 1991, 87% avg. Winter wheat 3% poor, 32% fair, 59% good, 6% excellent; 85% combined, 100% 1991, 99% avg. Late season crop development also far behind 1991, average. Sugarbeets 79% good, 21% excellent. Corn for silage 9% poor, 37% fair, 54% good; none cut. Corn for grain 6% poor, 30% fair, 64% good; 2% denting to dented, 38% 1991, 33% avg. Flax 3% poor, 26% fair, 63% good, 8% excellent; 1% combined, 12% 1991, 12% avg. Potatoes 100% good; 2% dug, 3% 1991, 3% avg. Soybeans 3% fair, 97% good; 3% lower leaves yellowing and beyond, 52% 1991, 42% avg. Dry beans 23% fair, 77% good; 2% mature and beyond, 63% 1991, 37% avg. Sunflower 3% poor, 33% fair, 62% good, 2% excellent; 8% ray flowers dried or dropped and beyond, 49% last year, 53% avg. Range, pasture 69% of normal. Hay crop 66% of normal. Alfalfa hay second cutting 82% complete, other hay first cutting 93% complete. Stockwater supplies 10% very short, 26% short, 64% adequate.

OHIO: Trough of low pressure over the east coast resulted in a northwesterly flow of air into the State which produced more subnormal temperatures. Late in week, southerly winds returned temperatures to seasonable levels. Daytime highs mid 70s north to upper 70s south with mean lows from near 50° north to 60° south. Temperatures 4° below normal. Coolest readings of the period occurred on the 21st when mercuries dipped well into the 40s north. Rainfall was below normal with the greatest amounts over the north, far south. Precipitation 0.01 to 0.75 in.

Days suitable for fieldwork 5.9. Topsoil 5% short, 83% adequate, 12% surplus. Hay 1% very poor, 5% poor, 29% fair, 54% good, 11% excellent. Pasture 4% poor, 25% fair, 59% good, 12% excellent. Weather conditions have become more favorable to development of field crops. However, development remains behind normal in all categories.

OKLAHOMA: Temperatures 10° below normal southwest to 6° below normal northeast, east central. Rainfall none northeast to 0.91 in. west central.

Days suitable for fieldwork 5.0. Topsoil 10% short, 69% adequate, 21% surplus. Subsoil 100% adequate. Wheat 58% seedbed prepared, 79% 1991, 48% avg.; 6% planted, 0% 1991, 1% avg. Cotton 17% very poor, 18% poor, 15% fair, 50% good; 76% setting bolls, 96% 1991, 88% avg.; 5% open bolls, 1% 1991, 2% avg. Sorghum 7% fair, 92% good, 1% excellent; 74% headed, 77% 1991, 78% avg.; 27% milk to soft, 32% 1991, 39% avg.; 3% mature, 13% 1991, 4% avg. Corn 75% mature, 68% 1991, 40% avg.; 3% harvested, 11% 1991, 8% avg. Soybeans 71% flowering, 81% 1991, 77% avg.; 56% setting pods, 56% 1991, 52% avg.; 6% mature, 4% 1991, 3% avg. Peanuts 98% pegging, 93% 1991, 99% avg.; 84% setting pods, 85% 1991, 82% avg.; 9% mature, 4% 1991, 2% avg. Pastures 103%. Cattle good; marketings average, prices steady to lower.

OREGON: Temperatures 3 to 5° above normal. Extremes 24° Ukiah; 105° Medford. Precipitation plentiful northeastern areas on 22nd; 1.03 in. Hermiston, 0.79 in. LaGrande, elsewhere dry.

Soil moisture 94% short, 6% adequate. Winter wheat 98% harvested. Barley 78% harvested. Grass seed, clover seed, mint harvest concluding. Some grass seed, mint field burning; western areas. Hops harvest continues, Willamette Valley. Field preparation for fall seeding in cereal grains, summer fallow acreage, eastern areas. Apples, Evergreen blackberry harvest continues; Willamette Valley. Bartlett pear harvest complete, winter pear harvest progressing well, Hood River Valley, Willamette Valley and Medford

areas. Gala apple harvest underway, lower Hood River Valley. Hazelnut crop rapidly maturing, some dropping, last flailing complete. Cranberry conditions good to excellent, southern coast. Early fresh market potato, onion harvest continues, Hermiston Boardman district, Malheur County. Potato harvest approaching, Klamath Basin growers preparing equipment. Processing sweet corn harvest continues. Onions, green beans, snap beans, many other vegetables being harvested; Willamette Valley. Hermiston watermelon harvest continued. Livestock continued good. Stock water continues to be scarce, all dryland pastures dried up. Hay and protein supplements being feed. Extreme fire conditions, statewide. Many cattle being moved off federal lands. Range, pasture 44% of normal.

PENNSYLVANIA: Temperature 69°, 1° below normal. Extremes 40°; 86°. Rainfall 0.21 in., 0.63 in. below normal.

Days suitable for fieldwork 5. Soil moisture 9% short, 72% adequate, 19% surplus. Corn 89% silk, 95% 1991, 91% avg.; 30% dough, 68% 1991, 51% avg.; 3% dent, 25% 1991, 14% avg.; 0% mature, 4% 1991, 1% avg. Ensilage corn harvested 2% complete, 9% 1991. Corn 3% poor, 14% fair, 49% good, 34% excellent. Soybean 3% very poor, 3% poor, 16% fair, 48% good, 30% excellent. Wheat harvest 93% complete, 100% 1991; planted 4% complete, 3% 1991. Oat harvest 80% complete, 97% 1991. Barley harvest 96% complete, 100% 1991; planted 7% complete, 4% 1991. Tobacco harvest 7% complete, 23% 1991. Potato harvest 22% complete, 26% 1991. Second cutting alfalfa 80% complete, 94% 1991; third cutting 36% complete, 53% 1991; fourth cutting 9% complete, 7% 1991. Second cutting clover timothy 60% complete, 76% 1991. Quality of hay made 23% poor, 50% fair, 27% good. Feed from pastures 4% poor, 48% fair, 48% good. Apple harvest 13% complete, 25% 1991. Peach harvest 47% complete, 70% 1991. Grapes harvest 6% complete, 19% 1991. Fall plowing 13% complete, 15% 1991. Activities: Hauling manure; maintaining machinery; cutting, baling hay; baling straw; combining; fruit, vegetable harvesting; fixing fence; caring for livestock.

PUERTO RICO: Rainfall of 0.78 in. was 0.95 in. below normal. Highest weekly rainfall was 4.05 in. at San Sebastian. Temperatures averaged 81 to 82° on the coasts and 77 to 78° in the interior. Extremes 59°; 95°.

SOUTH CAROLINA: Temperatures across the State 2 to 4° below normal. Rainfall 2.50 in. statewide.

Days suitable for fieldwork 3.4. Soil moisture 11% short, 77% adequate, 12% surplus. Tobacco fair; 74% harvested, 80% 1991, 72% avg; 14% stalks destroyed, 15% 1991, 8% avg. Corn fair to good; 89% mature, 94% 1991, 81% avg.; 20% harvested, 25% 1991, 23% avg. Cotton fair; 1% open bolls, 13% 1991, 9% avg. Soybeans fair to good; 82% blooming, 86% 1991, 81% avg.; 53% setting pods, 48% 1991, 46% avg.; 2% leaves turning, 3% 1991, 2% avg. Peaches fair; 92% harvested, 94% 1991, 93% avg. Cantaloupes fair to good; 87% harvested, 92% 1991, 90% avg. Cucumbers fair to good; 96% harvested, 97% 1991. Apples fair to good; 13% harvested, 22% 1991, 15% avg. Grapes fair to good. Fall hay fair to good; 50% harvested, 43% 1991, 44% avg. Peanuts fair to good. Sorghum fair to good; 20% harvested, 21% 1991, 19% avg. Pastures fair to good. Rainfall improved soil moisture, slowed harvest, spraying.

SOUTH DAKOTA: Temperatures 0 to 5° below normal. Extremes 36°; 97°. Rainfall none northwest, southeast to 2.50 in. north central. Maximum 2.46 in.

Days suitable for fieldwork 5.7. Topsoil 2% very short, 30% short, 64% adequate, 4% surplus. Subsoil 8% very short, 16% short, 71% adequate, 5% surplus. Flax 3% very poor, 7% poor, 14% fair, 59% good, 17% excellent. Sunflowers 1% very poor, 14% fair, 64% good, 21% excellent. Winter rye 93% harvested, 100% 1991, 100% avg. Barley 81% harvested, 100% 1991, 100% avg. Oats 83% harvested, 100% 1991, 100% avg. Winter wheat 90% harvested, 100% 1991, 100% normal. All crop progress remains behind normal due to wet conditions, below normal temperatures. Livestock 3% fair, 75% good, 22% excellent. Pasture 91% of normal.

TENNESSEE: Temperatures unseasonably low for the second consecutive week. Rainfall slightly above normal, occurred mostly over weekend.

Days suitable for fieldwork 5.1. Soil moisture 1% very short, 18% short, 80% adequate, 1% surplus. Corn 94% dough, 79% 1991, 87% avg.; 69% dent, 59% 1991, 67% avg.; 15% mature, 18% 1991, 20% avg.; 15% silage harvested, 11% 1991, 19% avg.; 1% poor, 1% fair, 57% good, 41% excellent. Cotton 3% open bolls, 9% 1991, 9% avg.; 22% fair, 74% good, 4% excellent. Sorghum 55% turning color, 37% 1991, 56% avg.; 9% mature, 9% 1991, 15% avg.; 5% fair, 77% good, 18% excellent. Soybeans 92% blooming, 83% 1991, 82% avg.; 60% setting pods, 45% 1991, 57% avg.; 8% fair, 82% good, 10% excellent. Tobacco 86% topped, 82% 1991, 79% avg.; 22% fair, 77% good, 1% excellent. Burley 26% harvested, 34% 1991, 26% avg. Dark air cured 22% harvested, 13% 1991, 23% avg. Dark fire cured 25% harvested, 17% 1991, 25% avg. Pastures 3% poor, 9% fair, 67% good, 21% excellent. Cattle 1% fair, 87% good, 12% excellent.

TEXAS: Unusually cool air covered State. Rain in many areas as cool air arrived, amounts not heavy. Lower than usual temperatures not good for cotton, other warm-season crops approaching maturity. Temperatures 11° below normal in Rolling Plains to 3° below normal Trans-Pecos. Rainfall from -0.05 in. High Plains to -0.80 in. along Upper Coast where rainfall normally increases this time of year.

Crops: Corn harvest excellent progress last week. Some areas delayed by showers early in week. In Blacklands aflatoxin problems some fields. Cotton fields affected by cool weather last week. Temperatures slowed development of late cotton crop. Insect problems minimal. Harvest activities full swing in Rio Grande Valley, Coastal Bend. Rice harvested along Upper Coast with few delays. Grain sorghum harvest neared completion in Blacklands. Cool weather slowed development, growth on Plains where midge problems increased some fields. Insect damage in late planted fields caused concern. Peanut fields sprayed for leaf spot. Some fields irrigated in Hill Country. Many fields pegging in Cross Timbers. Statewide peanut condition 85% normal, 88% last year. Soybean plants shedded leaves in Upper Coast where harvest activities underway. Moisture needed where plants setting pods.

Commercial Vegetables: In East Texas, Melon, pepper, sweet potato harvest continued. Land preparation for fall vegetables active. On High Plains, cool temperatures affected growth of late tomatoes. Harvest activities continued. In Trans-Pecos, chile harvested some areas. Onion, melon harvest winding down. In Rio Grande Valley, most vegetables progressed well with minor insect problems. Pecan trees sprayed for disease, insect control. Nut drop slowed to cooler weather.

Range and Livestock: Timely showers some areas revived ranges, pastures. Pastures provided adequate grazing most areas. Livestock good. Limited supplemental feeding in South Texas.

UTAH: Temperatures 6° above normal. Very light precipitation was reported in all divisions of the State except Dixie, where none was reported.

Days suitable for fieldwork 6.9. Soil moisture 81% short, 19% adequate. Irrigation water supply 43% very short, 50% short, 7% adequate. Stock-water supply 29% very short, 30% short, 41% adequate. Spring wheat harvested 90%, 87% 1991, 88% avg. Barley harvested 92%, 86% 1991, 89% avg. Oats: ripe 82%, 68% 1991; harvested for hay or silage 93%, 80% 1991; harvested for grain 58%, 38% 1991, 62% avg. Field corn in dough stage 56%, 20% 1991, 45% avg. Alfalfa 3rd cutting 50%, 20% 1991, 24% avg. Other hay cut 97%, 93% 1991. Hay, roughage supplies 14% short, 72% adequate, 14% surplus. Potatoes harvested 11%. Onions harvested 11%. Peaches picked 49%, 5% 1991. Apples 16% picked. Pears 28% picked. Starting to move cattle, sheep from summer range. Pasture, range poor to fair.

VIRGINIA: Temperatures below normal, rainfall a trace at Danville to 5.90 in. at Holland. Extremes 48°; 89°.

Days suitable for fieldwork 2.9. Topsoil 7% short, 58% adequate, 35% surplus. Pasture 3% poor, 18% fair, 53% good, 26% excellent. Alfalfa 22% fair, 55% good, 23% excellent. Other hay 30% fair, 52% good, 18% excellent. Corn dough stage 64%, 81% 1991, 69% avg.; dented 50%, 60% 1991, 50% avg.; mature 19%, 41% 1991, 31% avg.; silage harvested 12%, 15% 1991, 12% avg.; 24% fair, 58% good, 18% excellent. Soybeans 70% bloomed, 84% 1991, 77% avg.; setting pods 45%, 60% 1991, 56% avg.; 14% poor, 25% fair, 46% good, 15% excellent. Peanuts 25% poor, 50% fair, 25% good. Scouting for diseases in peanuts. Flue tobacco 33% harvested, 43% 1991, 32% avg. Fire tobacco 10% harvested, 40% 1991, 35% avg. Sun tobacco 40% harvested, 35% 1991 and 19% avg. Burley tobacco 8% harvested, 20% 1991, 12% avg. Tobacco 1% poor, 45% fair, 46% good, 8% excellent. Topping, spraying burley tobacco. Livestock mostly good. Harvesting hay, corn silage. Harvesting tomatoes, cantaloupes, cucumbers, watermelons.

WASHINGTON: Temperatures 2° below to 3° above normal west; 3 to 11° above normal, east. Rainfall none to 0.23 in. west; none to 0.23 in. east.

Days suitable for fieldwork 6.9. Soil moisture 70% short, 30% adequate. Hay, other roughage 8% short, 75% adequate, 17% surplus. Range, pasture 77% poor, 16% fair, 7% good. Winter wheat 96% harvested, 69% 1991, 89% avg. Barley 95% harvested, 49% 1991, 77% avg. Alfalfa hay second cut 99% complete, 93% 1991, 97% avg. Alfalfa hay third cut 80% complete, 43% 1991, 47% avg. Spring wheat 92% harvested, 73% 1991, 79% avg. Dry peas 93% harvested, 86% 1991, 92% avg. Potatoes 16% harvested, 15% 1991, 16% avg. Corn silage 19% harvested, 6% 1991, 4% avg. Small grain harvest winding down, many areas seeding next years crop. Hot temperatures, no rain postponed planting some locations. Field preparations continue for fall planting. Fourth cutting alfalfa has begun, fifth cutting possible if weather holds. Bartlett harvest complete Chelan, Okanogan area, other pears now picked. Early apples picked Benton county, some western areas. Second picking of Gala apples underway. Sweet corn harvested central areas, birds have been a problem.

WEST VIRGINIA: Weather Data unavailable.

Days suitable for fieldwork 5.5. Soil moisture 14% short, 77% adequate, 9% surplus. Tobacco 44% fair, 56% good; 89% topped, 15% harvested. Gardens good. Oats good; 97% harvested. Wheat good; 100% harvested. Hay 28% fair, 56% good, 16% excellent; 56% second cut, 40% third cut. Apples, good. Peaches, good. Corn, 68% good, 32% excellent; 90% silked, 50% dough stage. Pastures, 15% fair, 53% good, 32% excellent; 95% of normal. Cattle, good. Sheep, good. Soybeans, 60% good, 40% excellent; 58% blooming. Farm activities: General maintenance, cutting hay, clipping pastures, gardening, topping tobacco, harvesting oats, hay, tobacco, peaches, apples.

WISCONSIN: Temperature 65°; 2° below normal. Extremes 35°; 90°. Precipitation trace to 0.70 in.

Days suitable for fieldwork 6.4. Soil moisture 59% short and 41% adequate. Pasture 71% of normal, 74% 1991, 70% avg. General condition of crops 2% very poor, 5% poor, 33% fair, 57% good, 3% excellent. Oats 1% very poor, 9% poor, 35% fair, 48% good, 7% excellent. Oats harvested 58%, 89% 1991, 87% avg. Corn 1% very poor, 8% poor, 30% fair, 55% good, 6% excellent; silked 86% this year, no average available; 30% in dough stage or beyond, 67% 1991, 61% avg.; 5% in dent stage or beyond, 28% 1991, 27% avg. Reports from growers indicate that the corn crop is 2 weeks behind normal in the southern districts, up to 6 weeks behind normal in the central districts. In the north, some don't expect the crop to mature. Third crop hay 24% harvested, 31% 1991, 24% avg. Soybean 2% poor, 23% fair, 63% good and 12% excellent; 2% turned, 15% 1991, 7% avg. Winter wheat 88% harvested, no average.

WYOMING: Temperatures 2 to 4° above normal across the north, west regions. Some spots in the far west 6° above normal. The far southeast 1 to 2° (continued to back cover)

International Weather and Crop Summary HIGHLIGHTS

August 16 - 22, 1992

FSU: In the west, the first significant rain since early June dampens northern crop areas. In the **New Lands**, mild weather accompanies light precipitation, promoting crop development.

EUROPE: Wetness slows late winter grain harvesting in England, while warm, dry weather increases stress on immature crops in the east.

SOUTH ASIA: Seasonably wet weather stretches across central India. Unfavorably dry weather returns to northern winter wheat areas.

SOUTHEAST ASIA: Dry weather increases over Thailand. Heavy showers expand over the Mekong Delta and northwestern Philippines.

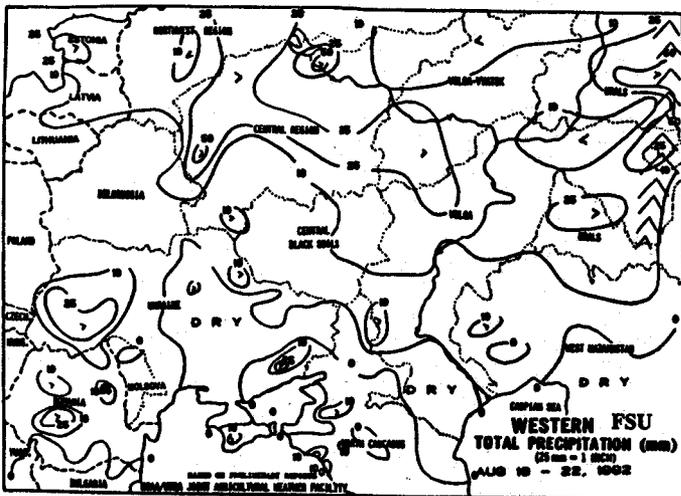
EASTERN ASIA: Favorable weather conditions exist for filling summer crops and maturing single-crop rice. Tropical storms hit southeastern China and Japan, causing flooding.

AUSTRALIA: Dry and cool weather is the east, with beneficial rain across the south.

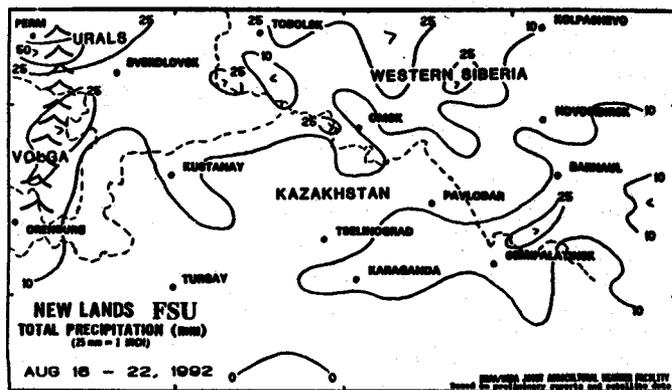
SOUTH AMERICA: Rain benefits vegetative wheat in Argentina, but additional moisture is needed.

MEXICO: Adequate moisture levels continue to favor filling corn across central Mexico.

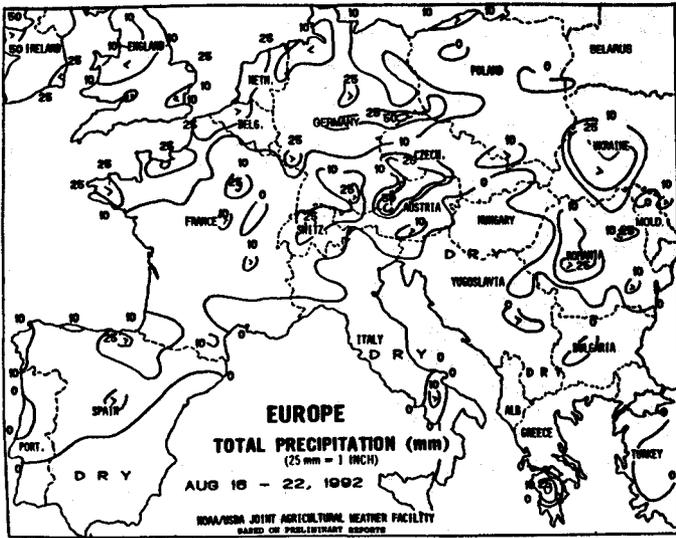
CANADA: This season's first freeze causes some crop damage in northern and western Prairie crop regions.



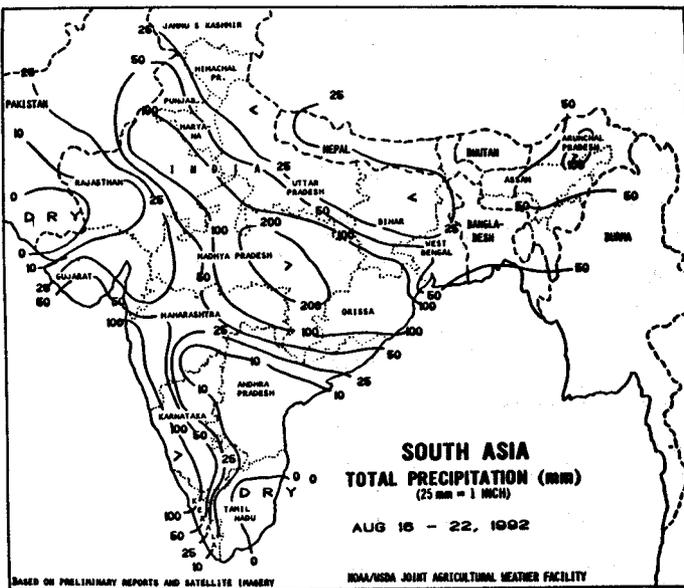
FSU - WESTERN: Fieldwork, in preparation for planting 1993 winter grain crops, likely began in the north, where the optimum planting time is late August. Planting usually progresses southward during September. The first significant widespread rain since early June (14-53 mm) dampened topsoils in the Baltic States, Northwest Region, parts of Central Region, and Volga Vyatsk Region. While the rain improved topsoil moisture for winter grain planting, it slowed harvesting. Drought continued over Belarus, central and southern Ukraine, and the extreme southern portions of Central Region. In addition, average temperatures continued 1-4 degrees Celsius (C) above normal in these areas, accelerating summer crop development.



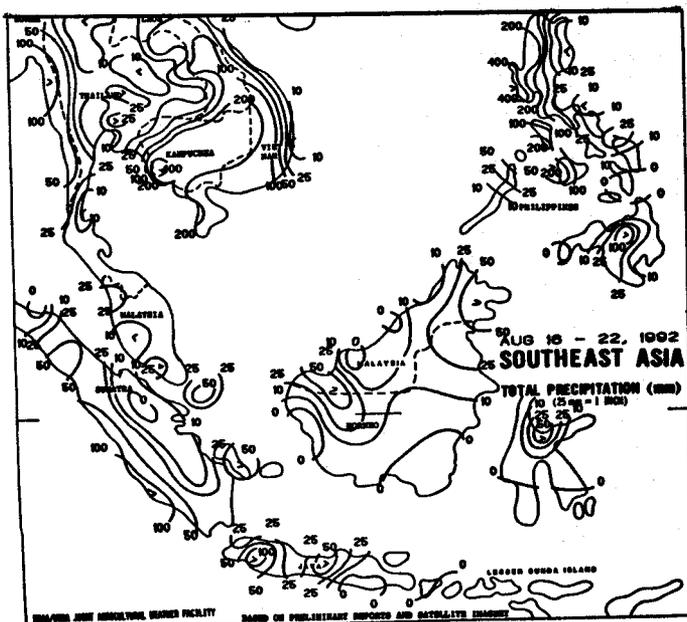
FSU - NEW LANDS: Spring grains were maturing in the southern Urals and Kazakhstan, with early harvesting in some areas. Spring grains in northern Urals and Western Siberia were in the filling stage. Widespread light precipitation (3-17 mm) over southern Urals and Kazakhstan caused only minor delays in early harvesting. Further north, widespread light to moderate rain (10-45 mm) over northern Urals and Western Siberia favored grain filling. Average temperatures were 1-3 degrees Celsius above normal over the region, promoting crop development.



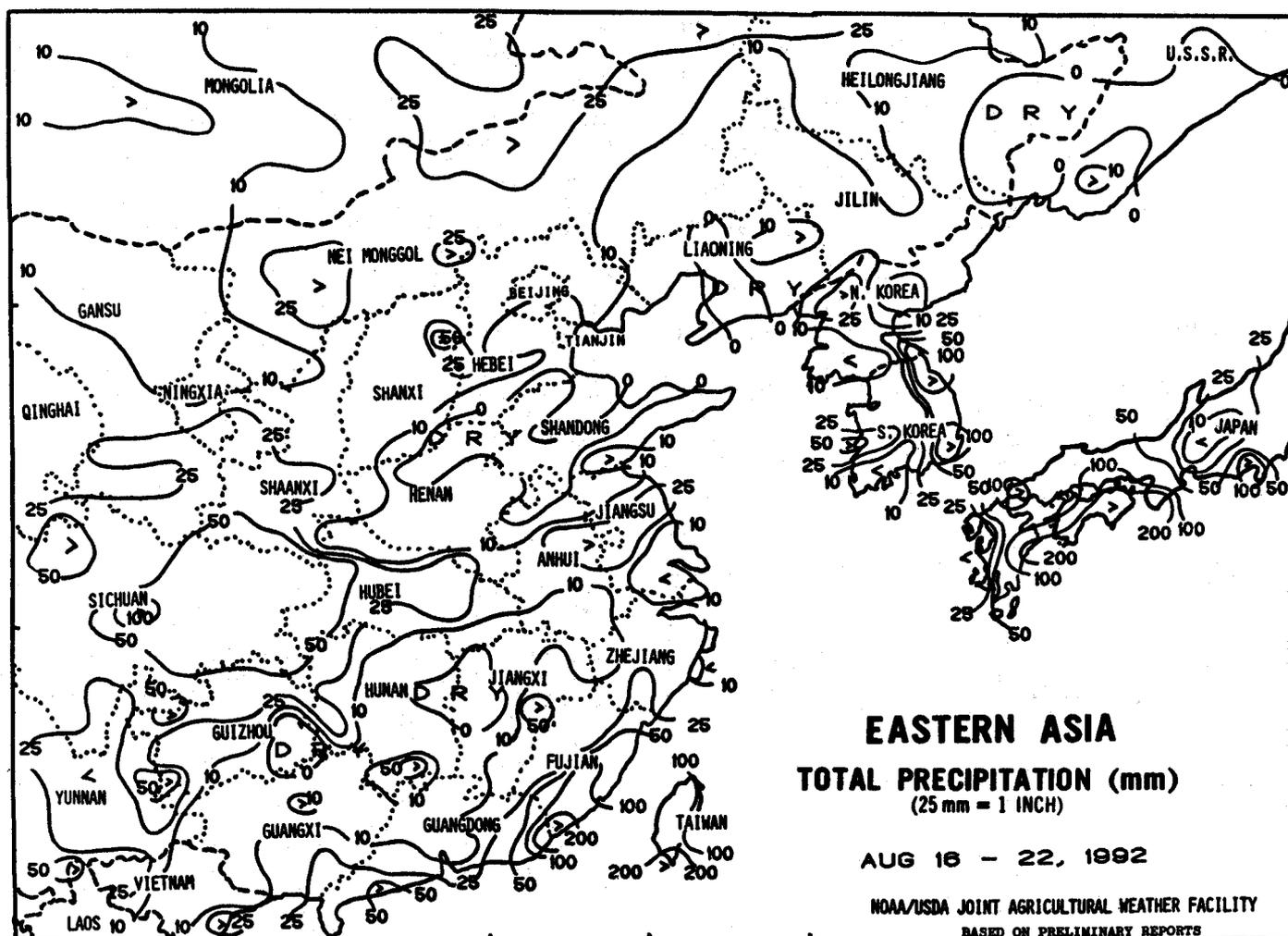
EUROPE: Drier weather over central and southern corn growing areas of France favored grain filling, following the recent rain. Showers (5-38 mm) continued to hamper late winter grain harvesting in the United Kingdom, but variable showers across northwestern Europe favored immature summer crops. Further east, rainfall diminished to 6 mm or less across Poland and most of Czechoslovakia. Dry weather prevailed again from Hungary to Greece. Growing season rainfall is lagging well behind average over much of eastern Europe, increasing the moisture deficit for immature summer crops. Some beneficial rain (10-37 mm) fell in western Romania, helping late corn development. Temperatures averaged near-normal across the northern portion of Europe, but a broad area from France to much of eastern Europe averaged 2-6 degrees C above normal. While promoting favorable development in the west with adequate moisture, the warmth increased stress in eastern growing areas.



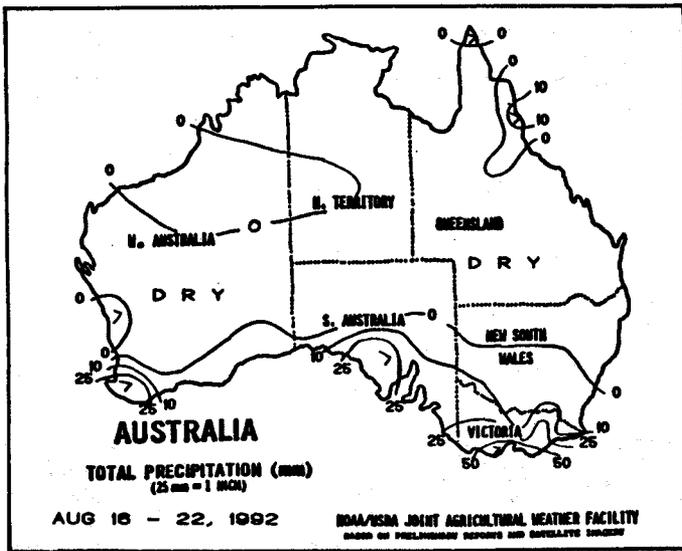
SOUTH ASIA: Moderate to heavy showers (50-100 mm or more) spread from Orissa through central India to northern Pakistan, increasing moisture for summer crops in or nearing reproduction. Excessive rain (170-223 mm) was concentrated over rain-fed rice areas of eastern Madhya Pradesh and Maharashtra. Seasonably heavy showers (50-200 mm) continued along the southwest coast, but rainfall diminished over India's southern interior. After 2 weeks of seasonable showers, most of Andhra Pradesh received less than 10 mm. Drier weather returned to India's northern states, with rainfall totaling less than 25 mm in primary crop regions from Uttar Pradesh eastward to Bangladesh. The southwest monsoon typically begins its withdrawal from Pakistan in early September, and is completely withdrawn from northern India by mid-October. This leaves little time for both rain-fed and irrigated crops to get needed rain, especially in Uttar Pradesh and Bihar, which plant a winter wheat crop at the end of the monsoon season.



SOUTHEAST ASIA: Drier-than-normal weather expanded over primary crop regions of Thailand, with most locations receiving less than 25 mm. However, heavy showers (50-171 mm) continued in eastern Thailand along the Mekong River, and extended southward to the Delta, promoting ample moisture for rice but causing some flooding. Heavy showers (100-300 mm or more) over western Luzon, Philippines caused flooding in coastal grain regions but were beneficial for central Luzon's rice, corn, and sugarcane. However, the showers were limited to the northwestern and west-central coasts, with most other Philippine crop areas reporting 15 mm or less.



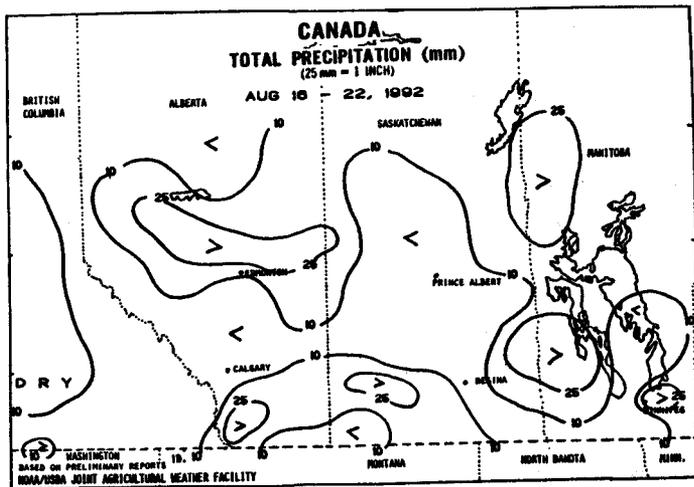
EASTERN ASIA: Across Manchuria, light rain (4-20 mm) kept soils moist for reproductive corn and soybeans. Little or no rain fell across the main crop region of the North China Plain, where moisture levels are marginal. Most summer crops in that region should be past the moisture-sensitive reproductive stage. Just to the south, moderate showers (24-71 mm) covered central Jiangsu westward into Sichuan, benefiting moisture levels for late-planted cotton, corn, and rice. Across south-central China, variable showers (10-50 mm) allowed harvesting of first-crop rice and maturing of single-crop rice. Tropical Storm Mark, with sustained winds of 35-40 knots (40-50 mph), made landfall in Fujian, bringing locally heavy rain (100-200 mm) but widespread lesser amounts of 25-75 mm. The storm caused some local flooding but little or no extensive wind damage. Tropical Storm Kent hit southern Japan on August 18, bringing widespread heavy rain (112-324 mm) and flooding to Shikoku Island. Temperatures averaged 2-4 degrees C below normal across central China and near normal across Manchuria and the extreme southern coast.



AUSTRALIA: Dryness continued across southern Queensland and northern New South Wales, where soil moisture is limited for winter wheat development. Additionally, freezing temperatures (-1 to -3 degrees C) were reported across the same region, burning back vegetative wheat. Light to moderate rain (13-44 mm) covered the wheat regions of South Australia and Victoria, increasing soil moisture for winter grains. Western Australia received little or no rain, but moisture levels were adequate for winter wheat. Temperatures averaged 1-4 degrees C below normal across the major winter grain regions.



SOUTH AMERICA: In Argentina, light to moderate rain (6-49 mm) fell across Buenos Aires, southern Cordoba, and eastern La Pampa, favoring vegetative winter wheat. However, due to warmer temperatures, the western grain areas of Cordoba and La Pampa need additional moisture for adequate crop growth and development. Across the wheat regions of southern Brazil, the east-central portions of Parana, Santa Catarina, and Rio Grande do Sul, light to moderate showers (16-27 mm) kept soil moisture levels high for filling wheat. Temperatures averaged 2-5 degrees C above normal across central Argentina and near normal across southern Brazil.



CANADA: The first freeze of the season covered nearly all crop areas of Alberta and northernmost Saskatchewan, causing some damage to late-planted spring grains and oilseeds. Prior to the freeze, spring wheat, barley, and canola were reportedly about 50 percent ripe in Alberta but, due to this season's cooler temperatures and spring replanting, were further behind in the affected areas of Saskatchewan. This first freeze occurred 1-2 weeks ahead of schedule from Edmonton, Alberta, to north-central Saskatchewan, where most of Canada's canola is produced. Light to moderate precipitation (3-29 mm) fell mostly ahead of the freezing temperatures, but snow fell over the southwestern Prairies, hindering harvests. Showers (10-42 mm) in eastern Saskatchewan and western Manitoba also slowed fieldwork, but temperatures averaged near normal. In Ontario and Quebec, cool, mostly dry weather prevailed, with no freezing temperatures reported in primary crop areas.

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

Annual subscriptions: domestic second class \$35, first class \$50, foreign \$50 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Order subscriptions from the office and address listed above. Second class postage paid at Washington, DC, and additional mailing offices.

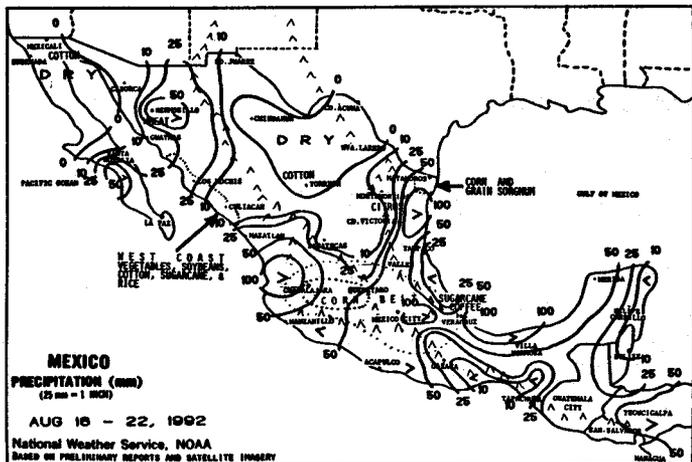
U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor **Douglas Le Conte**
Meteorologists **Brad Rippey** (202) 720-1444
Vilhelm Bjerknes, David Secora, Wes Byrd, and Brian Morris.

Subscriptions **Joyce Houston** (202) 720-7917

U.S. DEPARTMENT OF AGRICULTURE

Economics Management Staff
Editor **Sharon Lee**
National Agricultural Statistics Service
Agricultural Statistician . . . **Martin Owens** (202) 720-2157
World Agricultural Outlook Board
Agricultural Weather Analysts . **Ray Motha** (202) 720-9805
Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.



MEXICO: Moderate to heavy rain (27-109 mm) covered the Southern Plateau corn belt, keeping filling corn well watered. Northeastern Mexico received widespread moderate to heavy rain (22-146 mm), benefiting vegetative to reproductive corn and sorghum. Scattered showers (43-79 mm) fell across the northwest, keeping reservoirs high. Hurricane Lester hit the Baja peninsula on August 22, and rapidly dissipated before hitting the mainland. Temperatures averaged near normal across the corn belt.

(Continued from front cover)

into the **High Plains** in advance of a winter-like cold front. **Williston, ND**, reported 98°F. Hot, dry conditions allowed the "Foothills" fire near **Boise, ID**, to spread to 232,000 acres (360 square miles), and the "Fountain" fire in **Shasta County, CA**, to reach 50,000 acres. A smaller fire in **Calaveras County, CA**, reportedly destroyed more than 40 homes. Late in the week, cold air poured into the **Northwest**. **Great Falls, MT**, plunged from a temperature of 95°F on Wednesday to 32°F by **Saturday night**. Furthermore, a 4-inch snowfall was their earliest on record, and a high of 37°F made Saturday their all-time coldest summer day. Thunderstorms fired in advance of the cold front, inducing excessive rainfall in **central Arizona**. More than 2.50 inches soaked **Flagstaff, AZ**. Elsewhere, moisture from the former eastern Pacific Hurricane "Lester" began to spread toward the **Southwest**, and the Atlantic Hurricane "Andrew" neared **southern Florida**.

(Continued from p. 19)

below normal. Precipitation below normal over much of the State. Only the extreme southwest, northwest corners had above normal precipitation where a few areas had over a half an inch of rain. Days suitable for fieldwork 6.4. Topsoil 60% short, 35% adequate, 5% surplus. Subsoil 59% short, 41% adequate. Spring wheat 33% mature, 29% 1991, 21% avg.; 62% harvested, 71% 1991, 78% avg. Oats 45% mature, 35% 1991, 31% avg.; 43% harvested, 65% 1991, 66% avg. Barley 22% mature, 27% 1991, 23% avg.; 75% harvested, 73% 1991, 76% avg. Winter wheat 89% harvested, 94% 1991, 97% avg. Dry beans 31% turning color or beyond, 69% 1991, 47% avg. Corn 21% silked, 25% 1991, 22% avg.; 49% milk, 60% 1991, 42% avg.; 22% dough, 14% 1991, 29% avg.; 2% dented, 1% 1991, 3% avg. Alfalfa 54% of second cutting completed, 75% 1991, 72% avg. Other hay 86% of acreage harvested, 87% 1991, 91% avg. 1993 Winter wheat 11% planted, 12% 1991, 5% avg. Stockwater supplies 45% short, 55% adequate. Cattle, calves mostly good. Sheep, lambs mostly good.

**WEEKLY NEWS BULLETIN
SECOND CLASS**

NOAA/USDA Joint Agricultural
Weather Facility
USDA South Building, Room 5844
Washington, DC 20250

SECOND CLASS MAIL
POSTAGE AND FEES PAID
NOAA PERMIT NO.
ISSN 0043 1974

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300