

WEEKLY WEATHER AND CROP BULLETIN

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

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

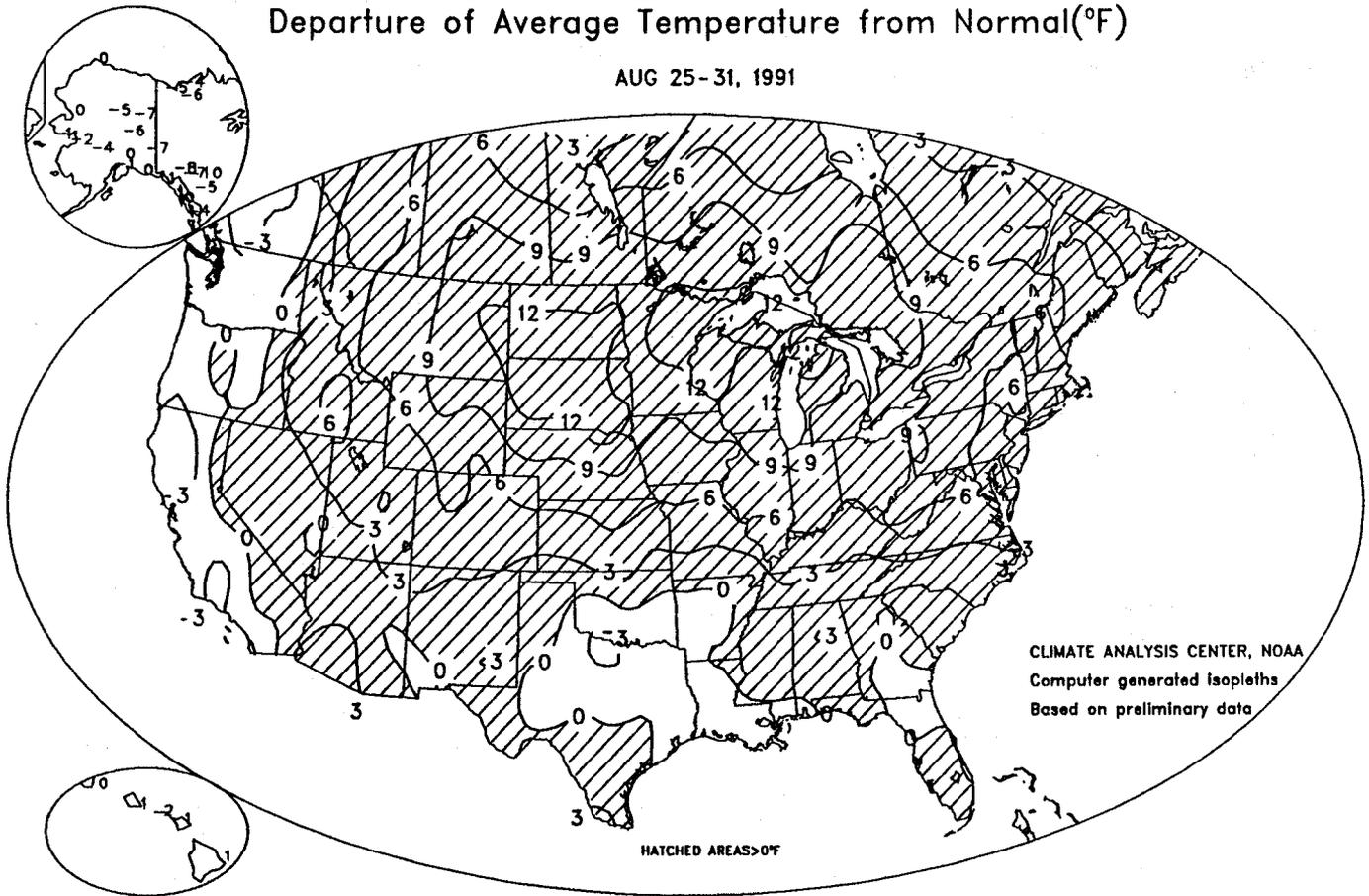
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September 4, 1991

Departure of Average Temperature from Normal(°F)

AUG 25-31, 1991



HIGHLIGHTS

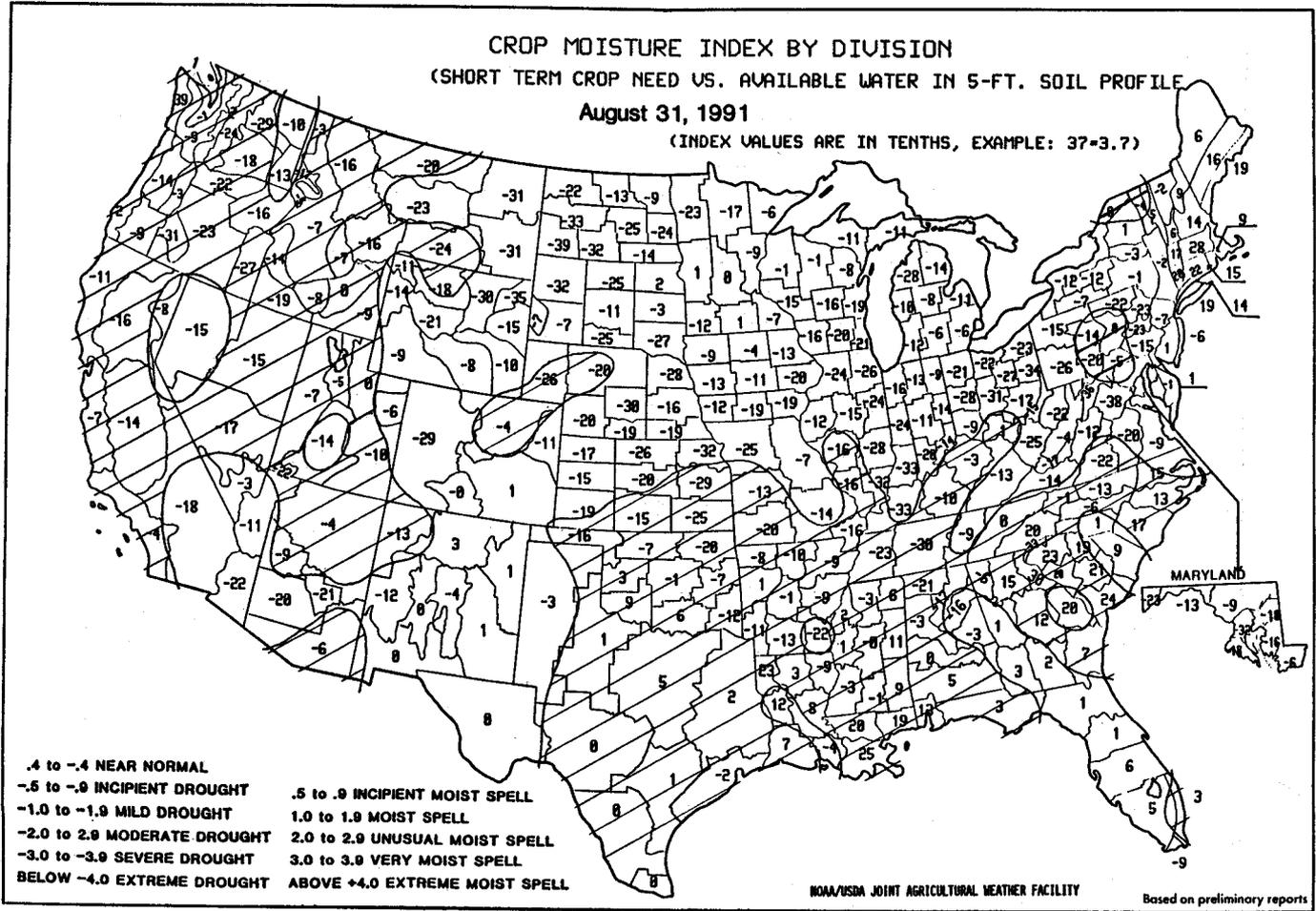
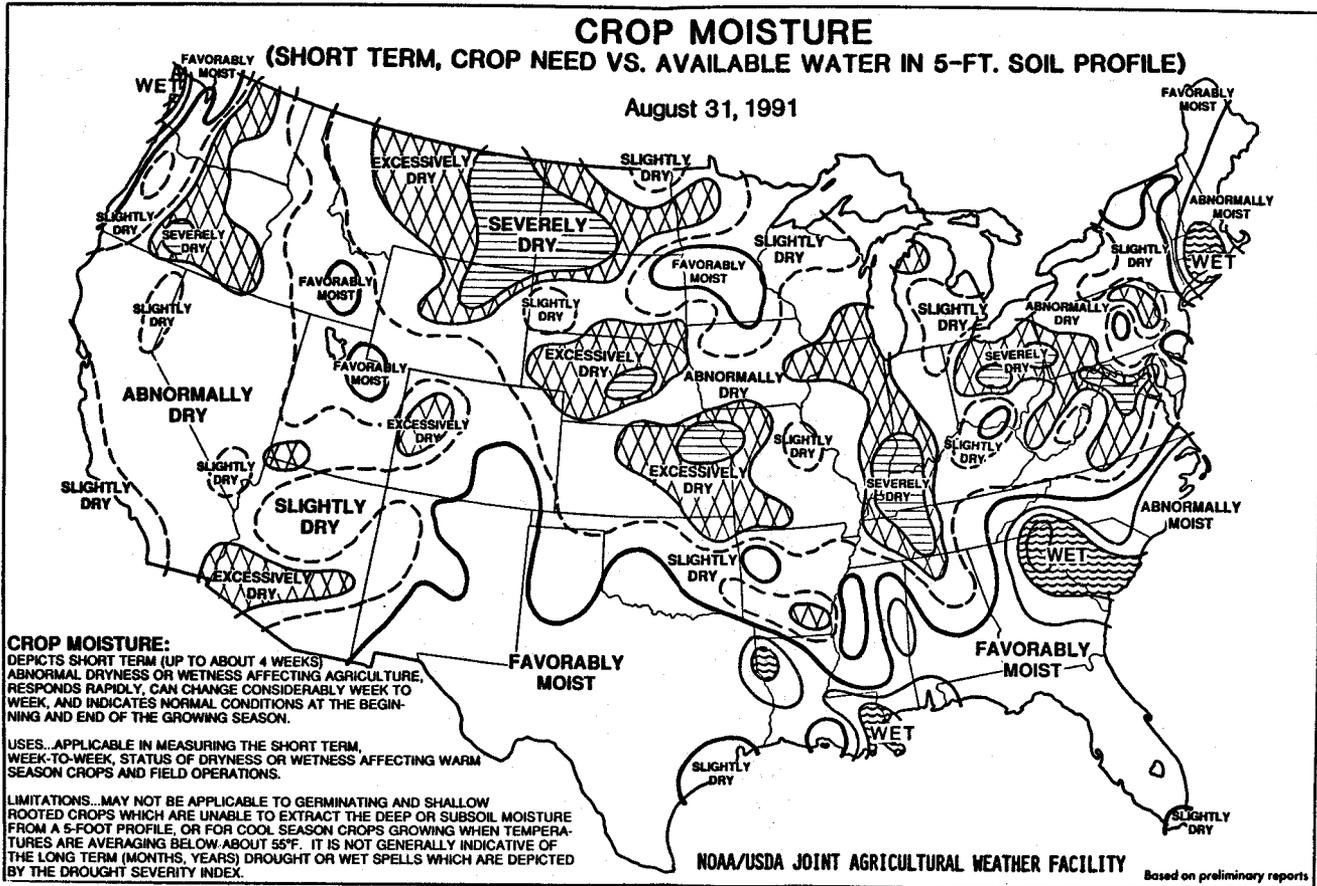
August 25 - 31, 1991

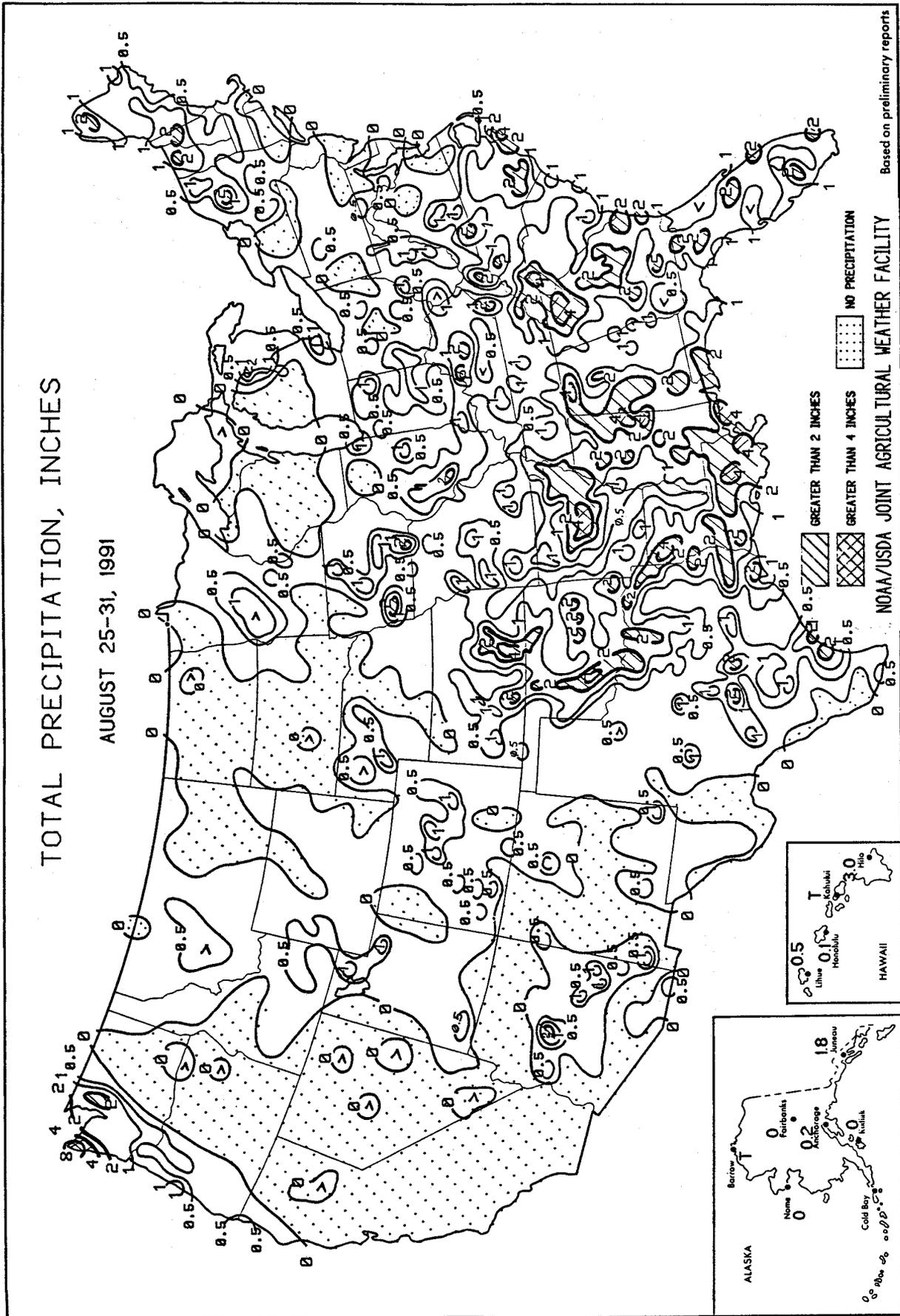
The northern half of the Nation baked in late-summer heat, while abundant subtropical moisture slid westward across the South, sparking thunderstorms. Nearly 3 dozen daily high temperature records fell from Montana to the mid-Atlantic region. Early-week temperatures routinely topped 100° F in the northern Plains, peaking at 106° F in Pierre, SD. Weekly temperature departures reached +14° F from the Dakotas to upper Michigan. After midweek, hot weather reached the east coast as highs soared into the upper nineties. In the Southeast, heavy rain fell early in the week, causing flooding in the southern Appalachians. In the Pacific Northwest, the passage of two cold fronts dumped copious rain west of the Cascades. The first front reached the Nation's midsection by Thursday, providing temporary heat wave relief to the northern Plains, and drawing moisture westward along the Gulf coast and into the central and southern Plains. From midweek onward, scattered heavy

thunderstorms prowled the Nation's southeastern quadrant. Greater than 4 inches of rain was reported in several areas from southern Kansas southeastward to the central Gulf coast. Toward week's end, strong thunderstorms brushed the Northeast and ushered in a crisp, cool airmass. Southerly winds ahead of the second Pacific front re-established 100° F heat in the northern Plains by Saturday.

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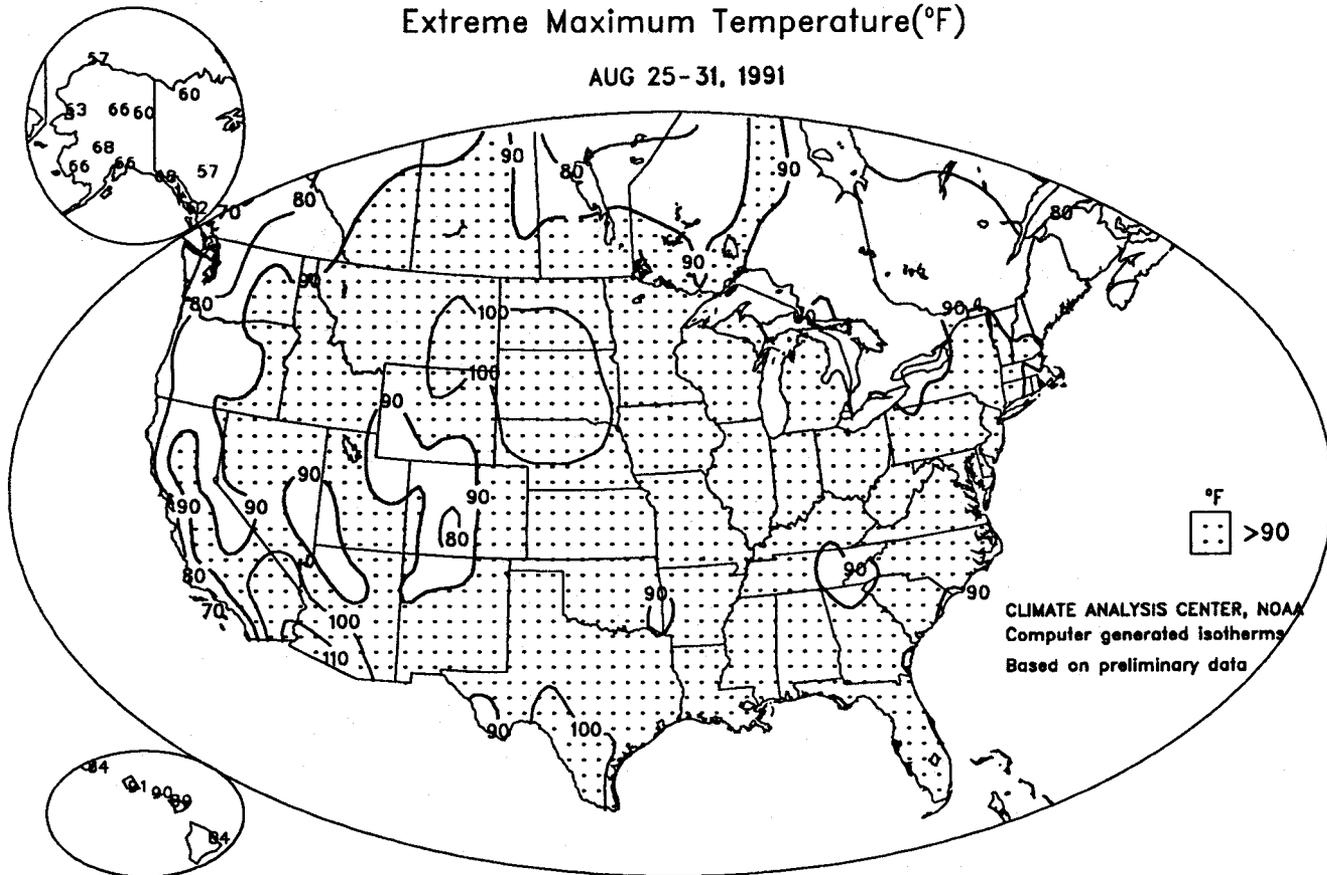
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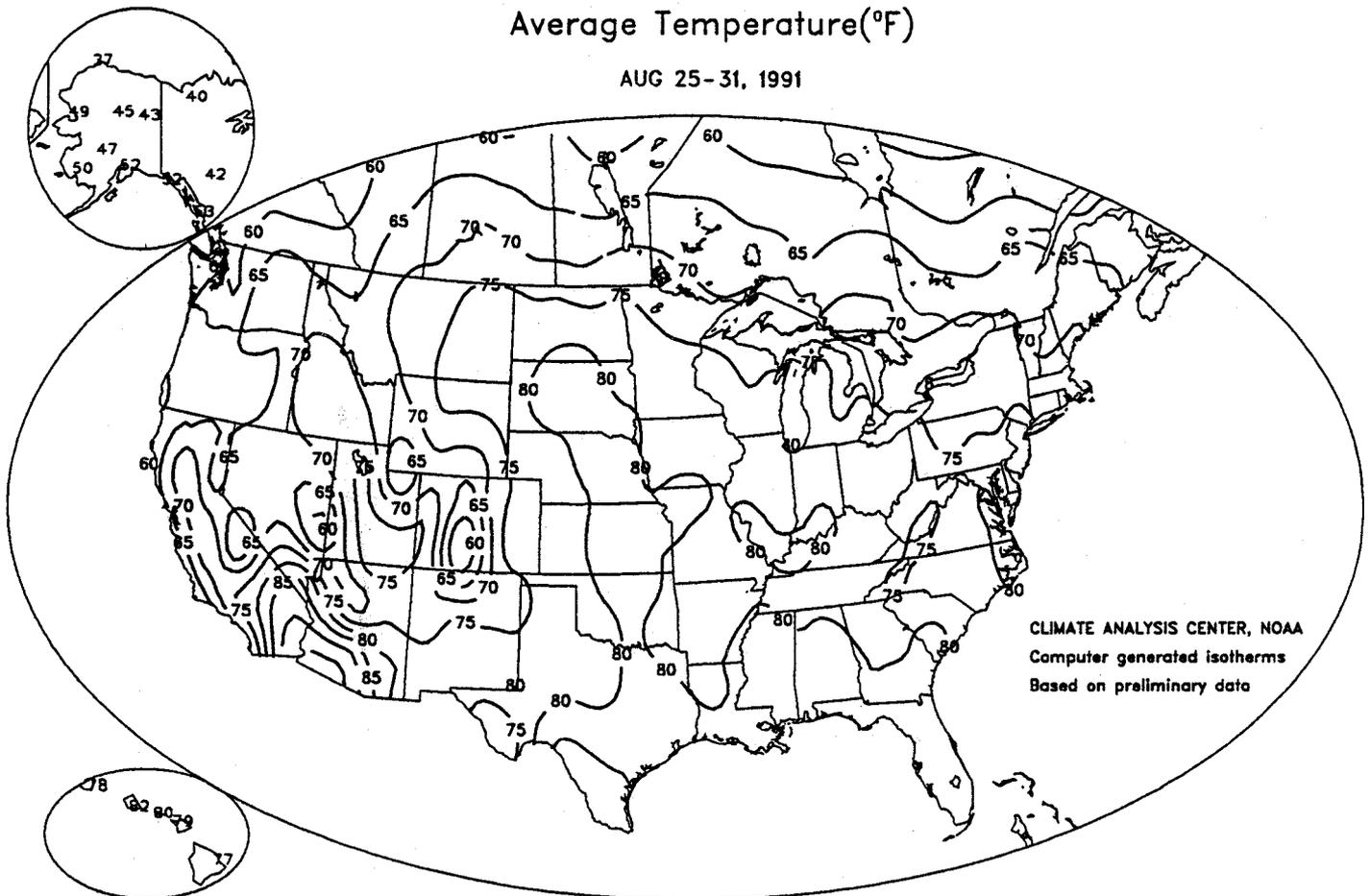
Extreme Maximum Temperature(°F)

AUG 25-31, 1991



Average Temperature(°F)

AUG 25-31, 1991



National Weather Data for Selected Cities

Weather Data for the Week Ending August 31, 1991

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS								
	AVERAGE	MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																				.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	90	74	92	73	82	3	3.3	2.5	1.9	16.1	126	42.3	109	93	56	5	0	5	2				
MOBILE	88	73	94	71	81	0	2.0	.5	1.2	20.4	104	70.1	152	99	62	2	0	5	1				
MONTGOMERY	91	72	95	70	82	1	.3	-.5	.3	14.0	123	51.7	151	99	56	5	0	2	0				
AK ANCHORAGE	62	43	66	38	52	-2	.2	-.3	.2	6.6	128	8.6	100	87	45	0	0	1	0				
BARROW	48	27	57	21	37	1	.1	-.2	.1	.5	24	.9	31	97	56	0	0	0	0				
FAIRBANKS	58	35	67	30	47	-6	.0	-.4	.0	2.4	48	6.1	85	70	32	0	2	0	0				
JUNEAU	58	48	64	46	53	0	1.8	.6	1.1	17.3	143	41.5	143	97	64	0	0	6	1				
KODIAK	62	49	67	40	56	2	.0	-1.2	.0	15.7	125	55.0	152	75	45	0	0	0	0				
NOME	58	40	61	31	49	1	.0	-.7	.0	5.5	85	8.6	91	80	38	0	1	0	0				
AZ PHOENIX	102	83	107	77	93	4	.1	-.2	.1	.3	15	3.5	80	55	24	7	0	1	0				
PRESCOTT	83	60	92	54	71	3	1.4	-.7	.9	3.5	50	9.7	74	86	38	1	0	4	1				
TUCSON	98	71	101	69	85	2	.4	-.1	.3	2.8	60	6.3	87	86	28	6	0	4	0				
YUMA	108	85	114	79	96	5	.1	-.1	.1	.0	1.8	124	56	20	7	0	0	0	0				
AR FORT SMITH	88	69	93	68	79	0	.1	-.6	.1	6.4	66	24.2	90	97	54	4	0	2	0				
LITTLE ROCK	86	71	93	69	78	-1	7.4	6.6	4.2	15.0	145	40.4	121	90	70	1	1	5	3				
CA BAKERSFIELD	90	63	97	57	76	-4	.0	.0	.0	.0	0	4.6	119	63	27	5	0	0	0				
EUREKA	68	57	73	53	63	5	.3	-.2	.2	1.7	174	17.8	78	90	69	0	0	0	0				
FRESNO	91	62	97	57	76	-1	.0	.0	.0	.0	0	8.5	122	68	22	5	0	0	0				
LOS ANGELES	74	62	76	60	68	-3	.0	.0	.0	.2	131	8.0	95	86	61	0	0	0	0				
REDDING	89	59	95	54	74	-6	.0	-.2	.0	.1	9	17.3	69	71	22	4	0	0	0				
SACRAMENTO	86	56	94	53	71	-3	.0	.0	.0	2.5	>1000	12.7	118	93	32	3	0	0	0				
SAN DIEGO	74	63	76	62	69	-3	.0	.0	.0	.3	167	10.8	174	89	65	0	0	0	0				
SAN FRANCISCO	71	58	74	56	65	1	.0	.0	.0	.4	224	11.3	91	92	60	0	0	0	0				
CO DENVER	89	59	94	53	74	5	1.3	1.0	.9	10.0	201	16.0	138	77	24	3	0	1	0				
GRAND JUNCTION	92	65	95	60	78	5	.0	-.2	.1	1.3	72	4.1	81	58	19	5	0	0	0				
PUEBLO	94	57	99	53	75	3	.0	-.4	.0	6.8	141	9.2	109	74	20	0	0	0	0				
CT BRIDGEPORT	84	67	89	59	75	4	.0	-.8	.0	12.3	123	28.0	103	88	53	0	0	0	0				
HARTFORD	87	62	93	54	74	5	.0	-.9	.0	14.0	134	31.4	110	97	45	2	0	0	0				
DC WASHINGTON	90	72	97	67	81	5	.5	-.4	.5	7.1	61	18.2	68	92	52	4	0	1	1				
FL APALACHICOLA	87	75	89	73	81	0	.8	-1.0	.7	29.8	153	85.8	233	97	70	0	0	3	1				
JACKSONVILLE	88	73	89	72	81	0	1.0	-.5	.9	32.2	176	56.6	175	98	66	0	0	3	1				
DAYTONA BEACH	91	73	93	71	82	1	.4	-1.3	.4	31.1	156	65.8	177	98	59	4	0	4	0				
KEY WEST	90	79	92	77	85	1	.0	-.8	.2	12.9	97	27.8	121	85	60	5	0	5	2				
MIAMI	90	76	93	73	83	0	2.3	.5	.2	23.6	107	37.3	99	95	58	6	0	5	2				
ORLANDO	91	74	92	73	82	0	3.0	1.6	1.3	23.9	111	51.1	142	98	57	6	0	5	2				
TALLAHASSEE	92	71	95	70	81	1	.8	-.8	.4	19.9	88	67.9	145	99	54	6	0	3	0				
TAMPA	92	74	93	72	83	1	1.2	-.5	.6	21.1	104	37.0	109	99	55	6	0	4	1				
WEST PALM BEACH	89	75	91	73	82	-1	1.3	-.2	.9	21.9	111	59.1	160	96	62	2	0	6	1				
GA ATLANTA	87	72	91	71	79	2	2.0	1.3	1.1	20.2	176	47.6	136	99	65	2	0	4	2				
AUGUSTA	90	72	94	69	81	2	.7	-.1	.4	23.7	194	50.6	158	100	62	5	0	3	0				
MACON	88	72	92	70	80	0	2.4	1.6	1.7	17.5	148	46.9	142	98	62	2	0	3	2				
SAVANNAH	88	74	91	71	81	1	3.6	2.2	1.8	31.0	157	63.5	169	99	62	2	0	4	3				
HI HILO	83	71	84	70	77	1	3.0	.9	.9	46.3	187	116.4	139	99	72	0	0	6	3				
HONOLULU	89	75	91	73	82	1	.1	-.1	.0	.6	37	11.1	79	80	49	2	0	2	0				
KAHULUI	87	73	89	70	80	1	.1	.0	.0	1.3	139	9.2	75	90	61	0	0	1	0				
LIHUE	83	74	84	72	78	-1	.5	-.1	.2	8.0	147	23.5	90	89	67	0	0	4	0				
ID BOISE	91	58	96	52	74	5	.0	-.1	.0	1.1	67	6.3	82	51	15	5	0	0	0				
LEWISTON	86	57	90	48	71	1	.7	-.2	.0	2.4	89	8.5	100	53	20	2	0	0	0				
POCATELLO	89	53	97	44	71	5	.1	.5	.6	1.6	75	10.4	143	87	21	3	0	2	1				
IL CHICAGO	90	69	95	65	80	10	1.0	.2	.5	5.6	50	20.4	86	90	45	5	0	2	2				
MOLINE	91	67	94	63	79	8	.1	-.7	.1	3.8	29	19.3	72	98	47	6	0	1	0				
PRORIA	89	69	93	65	79	8	1.0	.2	.6	5.3	47	19.6	79	95	52	4	0	2	1				
QUINCY	89	69	92	67	79	7	.7	-.2	.7	4.6	37	22.6	85	83	47	4	0	2	1				
ROCKFORD	93	67	96	60	80	11	.0	-.8	.0	5.8	45	17.0	66	88	36	6	0	0	0				
SPRINGFIELD	89	69	93	67	79	7	1.1	.3	1.1	8.5	81	22.5	93	98	57	3	0	1	1				
IN EVANSVILLE	92	69	96	65	80	6	.1	-.6	.1	3.7	35	19.7	66	96	49	6	0	1	0				
FORT WAYNE	90	66	94	61	78	8	.7	-.7	.0	8.6	84	28.4	117	96	45	4	0	0	0				
INDIANAPOLIS	90	69	93	67	80	8	.0	-.7	.0	6.6	57	25.5	92	98	52	4	0	0	0				
SOUTH BEND	90	68	94	60	79	10	.7	-.2	.4	5.6	49	20.5	79	95	47	5	0	2	0				
IA DES MOINES	89	68	93	66	79	7	.4	-.6	.4	7.7	67	28.1	123	89	48	4	0	1	0				
SIOUX CITY	93	66	96	60	79	9	.0	-.7	.0	8.2	78	18.4	95	92	40	6	0	0	0				
WATERLOO	87	67	90	60	77	9	.0	-.7	.0	8.7	68	30.0	124	91	54	2	0	1	0				
KS CONCORDIA	94	69	96	67	82	7	.0	-.7	.0	7.2	66	15.1	74	79	30	7	0	0	0				
DODGE CITY	93	67	97	64	80	4	.6	.1	.6	2.6	30	7.1	44	81	29	5	0	3	1				
GOODLAND	93	61	96	55	77	6	.0	-.4	.0	12.7	181	19.1	149	80	26	6	0	0	0				
TOPEKA	94	66	95	63	80	5	.2	-.6	.1	4.7	37	19.2	80	96	39	7	0	3	0				
WICHITA	92	69	95	68	80	3	5.6	5.0	2.7	11.6	110	19.2	95	86	41	5	0	4	3				
KY BOWLING GREEN	89	69	94	67	79	4	.5	-.2	.4	7.9	65	31.3	90	99	62	5	0	2	0				
LEXINGTON	87	69	92	68	78	5	2.3	1.4	1.6	9.6	73	28.5	86	98	58	2	0	4	1				
LOUISVILLE	91	72	95	71	82	7	1.7	1.0	1.2	7.6	69	26.1	86	91	48	5	0	3	1				
LA ALEXANDRIA	88	72	92	69	80	-2	1.2	.3	1.0	11.9	95	59.0	158	97	59	2	0	3	1				
BATON ROUGE	90	72	95	69	81	0	2.1	1.1	1.8	16.6	109	57.1	144	97	59	5	0	4	1				
LAKE CHARLES	88	72	92	70	80	-1	1.9	.6	1.3	17.3	117	58.0	164	98	63	3	0	4	1				
NEW ORLEANS	89	72	93	71	81	0	5.9	4.6	2.9	31.7	183	92.2	221	99	65	3	0	4	3				

Based on 1951-80 normals

Weather Data for the Week Ending August 31, 1991

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	
																			.50 INCH OR MORE	
SHREVEPORT	90	70	94	69	80	-1	4.0	3.4	3.3	15.2	160	63.5	211	99	57	5	0	2	2	
ME CARIBOU	75	54	87	44	65	5	1.0	1.1	4	9.7	87	23.7	101	96	62	0	0	4	0	
PORTLAND	81	59	89	50	70	5	4	1.3	4	19.0	220	40.5	150	96	51	0	0	2	0	
MD BALTIMORE	90	68	98	64	79	5	5	1.0	5	5.4	44	18.2	64	90	48	4	0	1	0	
SALISBURY	87	68	92	64	78	4	4	1.2	4	14.8	108	32.4	104	100	57	3	0	1	0	
MA BOSTON	84	65	92	57	74	5	2	1.7	2	10.1	109	25.0	89	88	50	2	0	1	0	
CHATEAM	75	62	80	56	69	3	1	1	1	7.0	71	22.3	74	95	71	0	0	1	0	
MI ALPENA	88	61	95	46	75	12	2.2	1.5	1.9	8.7	94	22.1	113	94	43	4	0	2	1	
DETROIT	88	67	92	58	77	9	2	1.5	2	7.4	77	20.1	93	92	49	3	0	1	0	
FLINT	87	63	92	52	75	8	3	1.4	3	10.0	107	22.4	110	95	51	2	0	1	0	
GRAND RAPIDS	88	63	93	53	76	8	0	1.7	0	11.8	121	27.4	123	97	50	2	0	0	0	
HOUGHTON LAKE	85	65	91	58	75	12	2	1.7	2	6.3	71	20.9	111	89	49	2	0	0	0	
LANSING	88	61	92	51	74	8	0	1.7	0	8.8	93	20.8	104	99	59	3	0	0	0	
MARQUETTE	86	62	93	40	74	14	1	1.7	1	9.3	89	21.8	89	83	50	4	0	1	0	
MUSKEGON	86	65	90	55	75	8	0	1.7	0	11.0	138	24.6	122	92	52	1	0	0	0	
SAULT ST. MARIE	85	61	92	48	73	13	2	1.8	2	6.5	67	17.3	84	89	48	2	0	0	0	
MN ALEXANDRIA	87	68	92	53	77	12	1.7	1.9	1.6	12.0	112	21.9	118	87	49	3	0	2	1	
DULUTH	83	64	90	51	74	13	2	1.9	2	13.4	112	25.7	122	88	52	2	0	1	0	
INT'L FALLS	85	61	95	50	73	13	5	2.2	3	9.3	89	18.7	110	93	43	0	0	3	0	
MINNEAPOLIS	89	68	92	56	78	11	2	1.6	2	8.7	77	22.4	114	88	46	5	0	2	0	
ROCHESTER	86	65	90	56	76	11	0	1.8	0	12.2	110	25.2	124	93	56	1	0	0	0	
MS GREENWOOD	90	72	95	70	81	2	1.8	1.2	1.6	10.3	97	49.5	134	98	60	4	0	3	1	
JACKSON	90	72	95	70	81	1	1.3	1.5	1.5	8.2	72	49.0	134	100	63	5	0	6	3	
MERIDIAN	90	72	95	71	81	1	1.0	1.3	1.6	14.0	115	54.5	143	94	59	4	0	3	1	
MO CAPE GIRARDEAU	87	71	91	67	79	1	1.8	1.0	1.3	8.7	81	28.1	91	95	58	2	0	4	0	
COLUMBIA	90	68	94	66	79	4	1.2	1.4	1.1	9.4	94	21.9	86	93	48	5	0	3	1	
KANSAS CITY	93	69	96	65	81	5	4	1.5	3	6.2	49	18.8	74	89	40	7	0	3	0	
SAINT LOUIS	92	74	96	71	83	8	3	1.3	2	6.6	67	19.5	81	86	46	6	0	2	0	
SPRINGFIELD	88	67	91	65	77	2	1.0	1.3	1.6	7.2	65	23.0	86	95	50	1	0	3	1	
MT BILLINGS	92	60	99	54	76	8	1	1.2	1	7.0	180	15.1	139	61	18	4	0	2	0	
GLASGOW	94	63	102	56	78	13	2	1.3	2	6.0	108	9.7	111	54	15	6	0	1	0	
GREAT FALLS	87	55	98	51	71	7	5	1.2	4	6.2	122	11.4	98	69	17	2	0	2	0	
HAVRE	90	53	101	49	72	7	2	1.2	2	2.1	44	8.4	93	68	18	3	0	1	0	
HELENA	90	53	96	50	71	8	6	1.3	3	4.7	111	8.4	95	74	21	3	0	2	0	
KALISPELL	81	44	91	32	62	1	1	1.3	2	4.7	104	10.8	100	88	24	2	1	1	0	
MILES CITY	94	65	99	58	80	11	0	1.3	0	7.5	135	15.2	139	51	17	6	0	0	0	
MISSOULA	86	50	94	45	68	5	4	1.2	2	3.8	106	8.4	92	80	20	2	0	2	0	
NE GRAND ISLAND	94	66	98	60	80	8	1	1.5	1	12.3	138	23.7	131	82	31	7	0	1	0	
LINCOLN	95	67	99	62	81	8	2	1.7	2	8.9	85	18.1	88	83	34	6	0	1	0	
NORFOLK	95	67	98	61	81	11	2	1.6	2	9.0	89	22.6	120	80	31	7	0	0	0	
NORTH PLATTE	95	62	99	52	78	9	2	1.4	2	5.1	60	15.0	96	81	25	7	0	1	0	
OMAHA	90	70	94	64	80	8	1	1.8	1	13.9	118	28.7	127	80	49	5	0	1	0	
SCOTTSBLUFF	95	59	101	54	77	8	0	1.2	0	4.7	80	11.5	98	81	21	7	0	0	0	
VALENTINE	97	63	103	52	80	11	2	1.5	2	8.5	109	18.5	131	69	22	7	0	0	0	
NV ELY	84	47	90	34	65	3	3	1.2	2	1.6	78	6.9	111	67	24	1	0	2	0	
LAS VEGAS	98	74	103	67	86	0	2	1.1	2	1.5	147	3.3	121	39	14	6	0	1	0	
RENO	87	49	92	39	68	3	0	1.1	0	7	78	3.3	67	58	13	3	0	0	0	
WINNEMUCCA	90	45	96	37	68	2	0	1.1	0	9	65	4.9	95	41	13	5	0	0	0	
NH CONCORD	85	56	92	48	70	5	4	1.4	4	10.8	119	22.2	96	100	44	2	0	1	0	
NJ ATLANTIC CITY	87	65	95	57	76	4	0	1.0	0	10.1	88	25.9	91	98	56	4	0	0	0	
NM ALBUQUERQUE	90	63	93	60	77	2	2	1.2	1	4.6	140	6.5	121	65	21	6	0	2	0	
CLOVIS	87	63	91	60	75	0	2	1.5	2	14.3	179	16.3	132	83	32	1	0	0	0	
ROSWELL	93	66	98	63	80	3	1	1.4	1	11.9	248	13.5	188	74	25	6	0	1	0	
NY ALBANY	86	60	93	51	73	6	5	1.3	5	7.7	80	20.9	89	94	47	2	0	1	0	
BINGHAMTON	82	60	89	49	71	6	0	1.8	0	8.1	78	21.9	90	90	51	0	0	0	0	
BUFFALO	86	64	89	53	75	8	2	1.9	2	7.0	72	26.1	109	87	48	0	0	0	0	
NEW YORK	87	70	93	64	78	5	2	1.9	2	13.5	122	28.2	99	83	48	2	0	1	0	
ROCHESTER	87	62	92	50	74	7	2	1.7	2	5.3	63	19.4	93	90	47	1	0	0	0	
SYRACUSE	87	62	93	49	75	7	1	1.8	1	8.6	77	24.4	94	93	48	4	0	1	1	
NC ASHEVILLE	81	65	89	64	73	2	1.4	1.4	1.6	15.2	128	34.0	111	100	64	0	0	3	2	
CHARLOTTE	85	71	91	69	78	1	1.8	1.0	1.4	14.3	128	37.2	122	96	61	1	0	3	1	
GREENSBORO	85	69	93	67	77	2	5	1.4	4	7.8	63	31.8	108	95	60	1	0	3	0	
HATTERAS	87	73	89	69	80	2	3	1.1	2	27.1	172	49.6	139	95	58	0	0	2	0	
NEW BERN	89	71	93	68	80	2	1.3	1.1	1.8	18.3	100	36.9	99	97	57	3	0	3	1	
RALEIGH	86	69	92	68	78	2	6	1.4	5	14.2	114	27.5	93	97	61	3	0	4	1	
WILMINGTON	87	71	92	68	79	1	8	1.6	5	24.6	125	48.1	126	96	61	1	0	4	0	
ND BISMARCK	97	61	103	53	79	14	2	1.4	2	5.1	76	11.1	92	84	22	7	0	0	0	
FARGO	91	65	96	49	78	12	2	1.5	2	10.0	111	18.1	122	86	38	4	0	1	0	
GRAND FORKS	91	62	99	46	76	12	2	1.6	2	7.0	84	15.4	112	87	34	4	0	0	0	
WILLISTON	95	60	100	52	78	12	2	1.3	2	8.7	148	13.9	132	67	19	6	0	0	0	
OH AKRON-CANTON	90	65	93	58	77	9	2	1.7	2	3.2	30	14.8	58	95	43	3	0	0	0	
CINCINNATI	87	70	92	68	78	6	6	1.0	4	9.1	81	29.2	103	93	57	1	0	2	0	
CLEVELAND	89	66	94	61	78	8	3	1.4	3	5.9	57	21.4	88	92	49	3	0	2	0	
COLUMBUS	90	66	93	62	78	7	2	1.8	2	7.0	60	21.8	81	97	44	3	0	0	0	

Based on 1951-80 normals

Weather Data for the Week Ending August 31, 1991

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	89	66	92	61	78	6	.3	-.4	.1	7.2	71	26.7	107	95	47	3	0	0	0	0	
TOLEDO	91	65	95	55	78	6	.0	-.7	.0	4.0	41	17.3	79	97	46	5	0	0	0	0	
YOUNGSTOWN	91	61	96	58	76	9	.0	-.7	.0	6.4	58	17.2	67	98	41	4	0	0	0	0	
OK OKLAHOMA CITY	91	71	93	69	81	2	1.3	-.7	.7	9.1	97	20.0	91	85	43	5	0	0	2	2	
TULSA	92	72	97	70	82	2	.7	.0	.7	5.2	47	15.7	59	87	41	5	0	0	1	1	
OR ASTORIA	84	53	67	42	59	-1	2.3	1.9	1.0	4.5	87	37.7	98	96	68	0	0	0	6	2	
BURNS	63	43	88	39	63	-2	T	-.1	T	.9	69	4.4	72	56	16	0	0	0	0	0	
MEDFORD	85	52	92	47	69	-2	.1	-.1	.1	2.0	149	10.6	97	87	30	2	0	0	1	0	
PENDLETON	83	55	92	46	69	-1	.1	-.1	.1	2.8	186	9.2	125	54	22	2	0	0	0	0	
PORTLAND	74	56	83	49	65	-1	.4	.1	.2	3.1	103	21.4	102	96	51	0	0	0	4	0	
SALEM	74	52	89	42	63	-2	.7	.4	.2	2.3	102	22.0	98	95	48	0	0	0	4	0	
PA ALLENTOWN	88	63	95	59	75	5	1.2	-.4	.2	8.9	74	22.5	76	95	45	4	0	0	1	0	
ERIE	86	67	92	60	76	3	.3	-.6	.3	7.3	65	19.1	76	87	51	1	1	1	0	0	
HARRISBURG	88	66	96	60	77	3	.0	-.8	.3	8.5	83	21.7	83	90	48	3	0	0	0	0	
PHILADELPHIA	91	70	98	65	80	5	.0	-.9	.0	12.0	101	25.6	91	89	44	4	0	0	0	0	
PITTSBURGH	90	66	95	63	78	7	.0	-.7	.0	9.2	87	22.4	86	89	40	3	0	0	0	0	
SCRANTON	86	61	93	56	74	7	.0	-.8	.0	7.4	72	18.7	80	90	44	3	0	1	0	0	
RI PROVIDENCE	85	63	91	56	74	6	.0	-.9	.0	9.7	99	30.2	103	97	48	2	0	0	0	0	
SC CHARLESTON	88	73	92	70	80	1	1.2	-.2	.0	20.0	98	43.4	113	96	62	4	0	4	1	1	
COLUMBIA	88	72	94	69	80	1	.9	-.3	.8	28.8	187	55.4	152	100	62	4	0	4	3	1	
FLORENCE	87	71	93	67	79	1	T	-1.0	T	19.5	129	36.6	113	99	59	3	0	0	0	0	
GREENVILLE	85	69	91	66	77	1	1.4	.5	1.3	16.5	128	41.3	116	98	63	1	0	0	3	1	
SD ABERDEEN	96	64	104	50	80	13	T	-.4	T	8.4	111	21.0	149	78	28	6	0	0	0	0	
HURON	97	66	106	54	82	13	T	-.4	T	8.6	115	19.6	135	77	28	6	0	1	0	0	
RAPID CITY	98	63	103	59	81	12	.0	-.3	.0	5.8	86	14.9	112	55	18	7	0	0	0	0	
SIOUX FALLS	94	68	100	54	81	12	.0	-.7	.0	10.0	106	19.9	111	80	32	6	0	0	0	0	
TN CHATTANOOGA	89	71	92	68	80	3	2.2	1.4	1.0	11.7	104	40.5	112	97	56	3	0	4	2	1	
KNOXVILLE	86	68	90	67	77	1	1.3	.7	.9	15.6	139	38.6	117	99	61	1	0	4	1	0	
MEMPHIS	89	73	93	71	81	2	1.0	.2	1.0	5.4	48	42.7	117	95	59	3	0	3	1	1	
NASHVILLE	88	71	91	68	80	3	.8	-.0	.7	5.9	54	26.8	79	100	61	2	0	5	1	0	
TX ABILENE	90	69	98	65	80	-2	T	-.6	T	12.2	172	18.3	116	82	37	3	0	1	0	0	
AMARILLO	90	64	94	61	77	-2	.1	-.5	.1	6.0	66	10.3	70	87	34	5	0	2	0	0	
AUSTIN	94	73	96	71	84	-4	.4	-.2	.3	9.9	138	31.9	158	93	44	7	0	2	0	0	
BEAUMONT	90	73	95	71	82	-1	.5	-.7	.5	13.4	82	55.1	150	95	61	4	0	2	0	0	
BROWNSVILLE	96	75	97	74	85	2	T	-.9	T	4.1	58	20.4	146	96	48	7	0	0	0	0	
CORPUS CHRISTI	92	75	96	73	84	0	2.2	1.1	1.6	12.2	122	27.7	146	95	58	6	0	3	2	0	
DEL RIO	97	75	102	71	86	2	.0	-.4	.0	4.7	94	10.3	95	69	28	7	0	0	0	0	
EL PASO	94	66	96	63	80	1	T	-.3	T	4.8	144	6.3	132	77	26	7	0	0	0	0	
FORT WORTH	91	71	93	69	81	-2	1.8	1.3	1.4	12.6	192	29.8	143	91	50	5	0	3	1	1	
GALVESTON	87	77	90	73	82	-1	1.6	.5	1.4	13.4	115	45.0	179	87	61	2	0	4	1	0	
HOUSTON	91	72	96	70	82	-1	.7	-.3	.4	12.0	100	41.4	138	94	51	4	0	2	0	0	
LUBBOCK	92	64	99	62	78	2	.1	-.4	.1	9.7	133	13.4	105	90	36	6	0	1	0	0	
MIDLAND	91	65	96	62	78	-1	.1	-.3	.1	13.6	289	16.2	179	87	37	4	0	1	0	0	
SAN ANGELO	93	68	99	65	81	-1	.1	-.5	.1	7.4	151	12.0	106	89	36	5	0	1	0	0	
SAN ANTONIO	95	73	99	69	84	1	1.3	.6	1.1	7.4	97	26.1	140	91	37	7	0	2	1	1	
VICTORIA	94	74	100	71	84	1	T	-1.0	T	16.1	154	43.4	189	99	47	7	0	1	0	0	
WACO	93	71	97	67	82	-2	.5	.0	.5	14.0	224	28.1	138	95	50	5	0	1	1	0	
WICHITA FALLS	90	70	94	67	80	-2	.2	-.4	.2	7.4	107	16.0	89	92	46	5	0	2	0	0	
UT CEDAR CITY	86	59	92	53	72	3	T	-.2	T	3.9	144	7.9	112	61	24	2	0	2	0	0	
SALT LAKE CITY	90	64	95	57	77	5	.3	.0	.2	2.3	88	10.6	100	72	26	3	0	3	0	0	
VT BURLINGTON	85	60	93	47	72	8	1.3	.4	.6	8.1	75	19.4	87	96	47	2	0	3	2	0	
VA NORFOLK	89	73	95	70	81	5	.1	-1.0	.1	14.7	106	32.0	102	93	56	4	0	2	0	0	
RICHMOND	90	69	96	66	80	5	.5	-.6	.4	13.1	95	25.4	85	94	49	5	0	2	0	0	
ROANOKE	87	69	94	66	78	5	.1	-.7	.1	12.0	112	30.5	114	94	54	3	0	1	0	0	
WA QUILLAYUTE	61	53	65	47	57	-1	9.1	8.3	2.9	18.6	223	67.1	113	99	83	0	0	5	5	0	
SEATTLE-TACOMA	69	54	80	49	62	-1	1.5	1.2	.7	3.7	112	25.4	121	94	58	0	0	4	1	0	
SPOKANE	81	52	89	46	66	1	T	-.1	T	1.9	78	9.7	95	70	24	0	0	1	0	0	
YAKIMA	82	50	89	39	66	0	T	-.1	T	2.8	261	5.3	111	83	32	0	0	0	0	0	
WV BECKLEY	82	64	90	61	73	6	.7	-.1	.3	8.4	68	26.4	88	95	56	1	0	4	0	0	
CHARLESTON	92	67	96	63	79	7	T	-.8	T	8.3	65	25.0	82	98	45	5	0	2	0	0	
HUNTINGTON	91	69	96	66	80	7	1.7	1.0	1.7	8.5	70	27.0	91	94	46	5	0	1	1	0	
PARKERSBURG	89	67	92	62	78	6	.1	-.6	.1	13.9	121	30.2	110	99	54	3	0	1	0	0	
WI GREEN BAY	89	64	93	51	77	12	T	-.7	T	7.3	77	16.4	84	95	49	6	0	0	0	0	
LACROSSE	91	69	95	59	80	12	.0	-.8	.0	9.1	78	25.5	117	92	46	5	0	0	0	0	
MADISON	89	64	92	51	77	10	T	-.8	T	11.3	99	24.2	110	94	46	6	0	1	0	0	
MILWAUKEE	89	71	94	65	80	13	T	-.7	T	8.7	86	22.7	105	84	51	5	0	0	0	0	
WAUSAU	87	62	91	49	74	10	T	-.9	T	12.0	100	25.6	114	93	47	5	0	0	0	0	
WY CASPER	91	56	95	45	73	8	.1	.0	.1	2.4	84	9.9	118	60	16	5	0	1	0	0	
CHEYENNE	85	57	91	51	71	7	.1	-.2	.1	9.5	180	15.4	144	74	22	1	0	1	0	0	
LANDER	90	56	94	50	73	7	T	-.1	T	1.8	70	10.7	111	58	18	4	0	0	0	0	
SHERIDAN	94	58	102	51	76	11	.0	-.2	.0	1.7	42	10.7	96	56	18	6	0	0	0	0	

Based on 1951-80 normals

National Agricultural Summary

August 26 - September 1, 1991

HIGHLIGHTS: High temperatures and limited rainfall aggravated soil moisture deficiencies from the Intermountain region of the West to the Ohio Valley. Harvest activities progressed unhindered.

SMALL GRAINS: Winter wheat harvest continued in the Pacific Northwest and northern Rocky Mountains. Winter wheat seeding was getting underway in several States, with 1 percent planted in the 19 major producing States. Spring wheat harvest reached 92% complete in the 5 major producing States, 1 percentage point ahead of last year and 4 points ahead of the 5-year average. Harvest was complete in South Dakota but behind schedule in Idaho and Montana. Barley harvest was virtually complete in North Dakota and over half complete in the Rocky Mountains. Combining of oats for grain was near the midpoint in Maine and progressed past the midpoint in the Rockies.

CORN: Crop maturity continued to outpace both last year and the historic average, as much higher-than-normal temperatures predominated in the major corn producing regions. Sixty-nine percent of the corn was dented in the 17 major producing States, compared with just 39% last year and the 66% average. Twenty-nine percent of the crop was mature, compared with 8% last year and 23% average. Crop condition ratings remained mostly fair to good for the 17 major States, with good conditions in the Great Lakes, Southeast, Colorado, and Minnesota. Poor or very poor conditions continued for much of the corn in the Ohio Valley, Illinois, Kansas, Missouri, and Pennsylvania. Corn harvest continued in the South and was getting underway in Illinois and Indiana.

SOYBEANS: Crop progress remained slightly ahead of schedule in the 19 major producing States, with much advanced development in the Corn Belt and slower than normal progress in the Delta. Pods were setting in 92% of the acreage, 4 points ahead of last year and 1 point ahead of the average. Leaves were dropping in 15% of the acreage, compared with 3% last year and the 9% average. Crop condition rated mostly fair for the 19 major States despite good conditions in the Southeast and Northern States. The crop rated mostly fair in the Central States and the Delta, and 57% of the acreage rated poor or very poor in Kansas.

COTTON: Hot weather during the week pushed cotton progress closer to normal in most Central and Eastern States, while cooler-than-normal weather in the West kept the California crop behind schedule. Bolls were opening in 26% of the acreage in the 14 major producing States, 7 points behind last year and 5 points behind the average. Crop condition remained mostly good in the Southwest and Southeast. Timely rains raised ratings in the Delta to mostly good, and ratings in Alabama rose to mostly fair to good. Defoliating of cotton in preparation for picking was active in the Southwest and Gulf Coast. Rain interrupted harvest in south-central Texas.

GRAIN SORGHUM: Grain sorghum heads were turning color in 60% of the acreage in the 12 major producing States, 13 points ahead of last year and 3 points ahead of the historic average. Thirty-three percent of the crop was mature, ahead of 27% recorded a year ago. Crop maturity remained behind normal in the Mississippi Valley and Colorado but ahead of schedule elsewhere. Crop condition was rated fair to good in the major States, with the

highest ratings in the Rocky Mountains and southern Plains. Harvest continued in the Southern States and got underway in Missouri.

RICE: Heading of the rice crop advanced to 89% complete in the 5 major producing States, 1 point behind last year and 6 points behind the average. Harvest progress reached 30% complete, 6 points ahead of last year and 3 points ahead of the average, with harvest active in all States except California. Harvest was well along in Louisiana and Texas, while still in the early stages in Arkansas and Mississippi. Some early seeded fields were drained in preparation for harvest in California. Crop condition rated mostly good to fair.

OTHER FIELD CROPS: Potato harvest was underway in Maine, North Dakota, and the Pacific Northwest, with less than 10% of each State's crop harvested. Alfalfa harvest was generally in the third cutting in the eastern half of the Nation, and well along in the second cutting in the Northwestern States. Corn silage cutting neared completion in parts of the South and was in full swing in the Central States. Dry bean harvest was underway in the Rocky Mountains and nearly half complete in North Dakota. Peanut digging was active in the Southeast with over half of Mississippi's crop dug. Dry pea and lentil harvests neared completion in the Pacific Northwest. Flax was being combined in North Dakota. Tobacco harvest continued in the East.

FRUIT AND NUTS: Lemons, apples, peaches, and pistachios were being harvested in Arizona. Low table grape volume was reported in California's San Joaquin Valley, as the crop was still 14-18 days behind normal. California peach, pear, nectarine, plum, and Granny Smith apple harvests continued. Almond harvest was in full swing and grapefruit harvest continued. Early grapefruit harvest increased in Florida and the first Hamlin oranges were picked. Apple harvest approached the midpoint in Georgia. New England apple, peach, and pear harvests continued with the crops in poor to fair condition. Pear harvest was in progress in Washington, and some apples were harvested in the earliest districts.

VEGETABLES: Melon and mixed vegetable harvests continued in Arizona. Broccoli, cauliflower, and lettuce were in moderate supply in California. California celery supplies were heavy and tomato harvest continued. Packing of California melons slowed and some fields were disced under. Onion harvests continued in Colorado and Idaho. Harvest of summer vegetables neared completion in Maryland and Delaware. Sweet corn and onion harvests were underway in Oregon, while snap bean harvest was finishing. Onion harvest was nearing completion in Texas' High Plains.

PASTURES AND LIVESTOCK: Water supplies for range livestock were getting short in parts of the West. Pasture and range conditions remained good in the Northwest and Southeast, while dry conditions limited forage growth in the Central States. Movement of livestock from summer range was beginning in the Rocky Mountains.

CROP PROGRESS

For Week Ending September 1, 1991

**Soybeans
% Setting Pods**

	1991	1990	Avg.
AL	73	75	72
AR	58	68	72
GA	95	78	89
IL	100	92	98
IN	100	94	98
IA	98	100	100
KS	95	85	90
KY	83	74	71
LA	86	91	88
MI	100	90	90
MN	99	99	99
MS	72	80	73
MO	91	73	91
NE	100	95	99
NC	72	68	64
OH	100	93	95
SC	60	63	63
SD	100	97	95
TN	62	70	80

19 States 92 88 91

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

**Soybeans
% Dropping Leaves**

	1991	1990	Avg.
AL	3	6	4
AR	5	0	1
GA	4	9	6
IL	25	0	12
IN	23	2	14
IA	5	0	10
KS	25	10	15
KY	9	6	9
LA	0	4	3
MI	5	0	2
MN	10	7	11
MS	1	8	8
MO	6	0	2
NE	10	4	6
NC	0	0	0
OH	46	3	11
SC	0	0	0
SD	41	15	16
TN	0	2	8

19 States 15 3 9

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

**Rice
% Headed**

	1991	1990	Avg.
AR	85	82	92
CA	80	90	92
LA	96	95	98
MS	87	99	98
TX	100	100	100

5 States 89 90 95

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

**Rice
% Harvested**

	1991	1990	Avg.
AR	10	0	5
CA	0	0	0
LA	71	72	63
MS	12	8	13
TX	79	72	84

5 States 30 24 27

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

**Spring Wheat
% Harvested**

	1991	1990	Avg.
ID	58	76	79
MN	99	97	92
MT	68	82	77
ND	96	91	88
SD	100	100	98

5 States 92 91 88

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

**Winter Wheat
% Planted**

	1991	1990	Avg.
AR	0	0	0
CA	0	0	0
CO	4	17	14
GA	0	0	0
ID	0	0	0
IL	0	0	0
IN	1	0	0
KS	0	0	0
MI	0	0	0
MO	0	0	0
MT	0	0	0
NE	1	2	3
NC	0	0	0
OH	0	0	0
OK	3	3	3
OR	0	0	0
SD	5	8	6
TX	1	4	6
WA	0	7	1

19 States 1 3 2

These 19 states produced 91% of the 1990 winter wheat crop.

**Corn
% Dent**

	1991	1990	Avg.
CO	47	30	49
GA	100	99	99
IL	93	38	77
IN	95	32	69
IA	60	43	72
KS	80	65	75
KY	90	48	77
MI	50	10	30
MN	59	21	63
MO	93	59	87
NE	85	51	69
NC	92	89	89
OH	90	21	53
PA	46	12	27
SD	80	37	44
TX	92	100	95
WI	52	10	41

17 STATES 76 39 66

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

**Corn
% Mature**

	1991	1990	Avg.
CO	0	9	14
GA	98	97	98
IL	55	3	28
IN	35	4	27
IA	22	5	27
KS	55	30	40
KY	46	10	31
MI	5	0	5
MN	8	0	12
MO	53	12	46
NE	18	2	13
NC	78	80	71
OH	17	1	11
PA	6	2	4
SD	23	12	11
TX	63	79	72
WI	11	1	0

17 States 29 8 23

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

Grain Sorghum
% Mature

	1991	1990	Avg.
AR	32	16	46
CO	3	4	10
IL	21	0	16
KS	10	3	5
LA	70	77	72
MS	48	54	61
MO	33	6	27
NE	15	1	6
NM	3	0	NA
OK	11	1	8
SD	9	4	6
TX	74	78	64

12 States 32 26 NA

Excl. States with NA 33 27 27

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

NA - not available.

Grain Sorghum
% Coloring

	1991	1990	Avg.
AR	65	59	81
CO	36	39	36
IL	68	10	54
KS	35	25	35
LA	81	90	90
MS	70	85	85
MO	65	32	66
NE	76	35	60
NM	39	10	NA
OK	40	46	65
SD	51	41	45
TX	81	80	74

12 States 60 47 NA

Excl. States with NA 60 47 57

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

NA - not available.

Cotton
% Bolls Opening

	1991	1990	Avg.
AL	23	41	32
AZ	45	79	68
AR	18	7	32
CA	15	20	27
GA	26	49	37
LA	30	82	58
MS	32	73	58
MO	30	12	34
NM	37	33	39
NC	32	26	30
OK	5	3	10
SC	30	34	26
TN	24	26	27
TX	27	21	20

14 States 26 33 31

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

Crop Condition

PERCENT

For Week Ending September 1, 1991

Rice

State	VP	P	F	G	EX
AR	0	0	35	65	0
CA	0	0	20	80	0
LA	0	0	46	54	0
MS	0	0	45	55	0
TX	0	0	55	34	11
5 State	0	0	39	60	1
Prev Week	1	0	33	66	0
Prev Year	0	0	33	65	2

Grain Sorghum

State	VP	P	F	G	EX
AR	0	4	76	15	5
CO	0	6	18	54	22
IL	9	9	41	39	2
KS	6	38	35	18	3
LA	0	23	46	31	0
MS	0	1	62	37	0
MO	7	26	54	13	0
NE	14	23	44	19	0
NM	0	0	13	87	0
OK	0	3	33	64	0
SD	2	19	29	47	3
TX	0	0	27	63	10
12 State	5	18	36	36	5
Prev Week	3	18	37	37	5
Prev Year	0	5	35	54	6

Soybeans

State	VP	P	F	G	EX
AL	0	0	30	70	0
AR	0	7	63	30	0
GA	0	0	21	72	7
IL	5	11	61	20	3
IN	4	19	56	21	0
IA	1	3	37	53	6
KS	24	33	37	3	3
KY	7	19	52	22	0
LA	6	13	38	43	0
MI	1	4	30	45	20
MN	0	4	29	56	11
MS	0	0	62	36	2
MO	7	26	53	14	0
NE	7	39	38	16	0
NC	0	0	13	82	5
OH	7	20	40	28	5
SC	0	0	11	83	6
SD	4	9	34	47	6
TN	1	13	60	21	5
19 State	4	12	45	35	4
Prev Week	4	14	41	36	5
Prev Year	2	8	32	51	7

Corn

State	VP	P	F	G	EX
CO	0	3	12	56	29
GA	0	0	13	67	20
IL	5	21	51	20	3
IN	12	36	44	8	0
IA	0	7	46	42	5
KS	5	24	21	26	24
KY	3	15	56	21	5
MI	2	8	25	40	25
MN	0	5	28	55	12
MO	4	20	50	26	0
NE	6	9	32	45	8
NC	0	2	25	70	3
OH	11	26	40	21	2
PA	14	28	31	22	5
SD	6	20	30	39	5
TX	0	0	14	54	32
WI	0	2	23	61	14
17 State	4	14	37	37	8
Prev Week	6	12	35	39	8
Prev Year	1	4	16	63	16

Cotton

State	VP	P	F	G	EX
AL	0	1	56	42	1
AZ	0	0	0	83	17
AR	0	12	29	53	6
CA	0	0	5	90	5
GA	0	0	19	81	0
LA	0	2	37	61	0
MS	0	1	18	81	0
MO	0	10	80	10	0
NM	0	0	30	70	0
NC	0	0	29	69	2
OK	0	0	71	29	0
SC	0	2	66	32	0
TN	0	11	55	34	0
TX	0	5	37	47	11
14 State	0	4	33	56	7
Prev Week	0	7	28	58	7
Prev Year	2	7	34	52	5

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

State Summaries of Weather and Agriculture

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

ALABAMA: Rain 1.00 to 2.00 in.; less than 0.50 in. to greater than 3.00 in. local areas. Temperatures 1 to 3° above normal most areas; near normal coast.

Days suitable for fieldwork 5.0. Soil moisture 36% short, 56% adequate, 8% surplus. Corn 100% dented, 100% 1990, 99% avg.; 90% mature, 91% 1990, 92% avg.; 50% harvested, 48% 1990, 51% avg.; 1% poor, 17% fair, 69% good, 13% excellent. Sorghum 18% harvested, 25% 1990, 30% avg.; 18% fair, 71% good, 11% excellent. Peanuts 7% dug, 9% 1990, 6% avg.; 2% combined, 4% 1990, 2% avg.; 8% fair, 76% good, 16% excellent. Cotton 23% bolls opened, 41% 1990, 32% avg.; 1% poor, 56% fair, 42% good, 1% excellent. Soybeans 91% blooming, 94% 1990, 90% avg.; 73% setting pods, 75% 1990, 72% avg.; 8% turning color, 15% 1990, 16% avg.; 3% dropping leaves, 6% 1990, 4% avg.; 30% fair, 70% good. Pastures 2% very poor, 5% poor, 24% fair, 50% good, 19% excellent. Livestock 9% fair, 76% good, 15% excellent.

ALASKA: Usual Fall weather comprised of warm days, cold nights, dominated. Highs 6° below normal to 5° above normal. Lows 10° below normal to 3° above normal. Seasonal precipitation 3.62 in. drier than normal at Fairbanks to 0.60 in. wetter than normal at Anchorage.

Days suitable for haying, harvesting 7.0. Topsoil 25% short, 75% adequate. Subsoil 10% short, 90% adequate. Barley 15% ripe, 60% swathed, 25% harvest. Oats, 20% turning, 50% ripe, 20% swathed, some harvest. Second crop hay 40% complete. Commercial potato harvest underway. Some light to moderate lodging to small grains occurred.

ARIZONA: Sunny, hot, humid throughout period. Scattered thunderstorms, northwest, 25th. Thunderstorms, 26th, 27th, statewide. Rain showers southeast, east 28th; southeast, northeast, west, 29th, 30th. Precipitation trace west to 1.38 in. central. Temperatures normal to 4° above normal. Extremes 44°; 98° higher elevations, 60°; 110° desert.

Cotton bolls opening 45%, 79% 1990, 68% avg.; activities included irrigating, monitoring of insects, defoliation; cotton 83% good, 17% excellent; weed, insect infestations light to moderate. Alfalfa harvest moderate to active; weed, insect infestations mostly light; rain damage light to moderate; alfalfa rated good. Lemons harvested, west. Watermelons, cantaloupe harvested, central. Mixed vegetables harvested central, east. Peaches, apples, pistachios harvested east. Fall vegetable planting underway. Cattle, calves, fair to good; stockwater supplies short to adequate; soil moisture mostly short; feed supplies below average to average statewide; stockwater short, soil moisture short, feed supplies below average, north; stockwater short, soil moisture short, feed supplies below average to average, central; stockwater, soil moisture mostly adequate, feed supplies average; southeast. Range, pasture 65%, 77% last month, 70% 1990.

ARKANSAS: Temperatures varied with averages near normal, locally heavy rainfall. Extremes 62°; 98°. Rainfall 0.12 to 7.35 in.

Days suitable for fieldwork 5. Soil moisture 48% short, 50% adequate, 2% surplus. Corn harvested 55%, 16% 1990, 45% avg.; 70% fair, 30% good.

Sorghum harvested 24%, 2% 1990, 23% avg. Pasture 11% poor, 57% fair, 30% good, 2% excellent. Alfalfa 34% poor, 53% fair, 13% good. Other hay 16% poor, 60% fair, 24% good. Livestock excellent.

CALIFORNIA: Cold low pressure trough brought below normal temperatures, rain to the north coast. High pressure replaced it, began a warming trend by weekend.

Field activities progressed, open weather. Discing wheat stubble continued. Early seeded rice drained, harvest preparation. Most areas two weeks behind normal. Cotton good development. Fields irrigated, sprayed lygus, mites, whiteflies, worms. Defoliation progressed desert areas. Alfalfa seed, corn silage, dry bean, safflower, sugar beet harvests active. Corn grain harvest underway. Dry beans, grain sorghum treated aphids, worms. Sugar beet planting continued. Alfalfa, sudan hay harvests normal. Grape growers treated crop for insects. San Joaquin Valley reported low table grape volume; crop still 14 to 18 days behind normal. Peaches, pears, nectarines harvest continued. Harvest early plums and Granny Smith apples continued; pomegranates around the corner. Almond harvest full swing, grapefruit harvest continued. Navel oranges were sizing well; crop lighter than normal. Fruit sizes smaller this year. Grove whitewash application started. Broccoli moderate supply, generally good quality. Cauliflower moderate supply, variable quality. Harvest, packing all types melons slowed down. Some melon fields being disced under. Celery heavy supply, generally good quality. Iceberg lettuce moderate supply, variable quality. Fresh market, processing tomato harvest continued. Insect control continued, vegetable, potato fields. Field preparation, fall planting, continued, Desert districts. Sweet potato harvest continued. Range conditions very poor to good northern State. Southern areas very poor to fair. Supplemental feeding continued.

COLORADO: Weather on quiet side, dominated by ridge of high pressure in upper atmosphere. Scattered thunderstorms formed each day across State mainly over higher elevations. These storms produced little rainfall in eastern areas early in week. By mid week, moisture reached a peak, heavy rains fell over portions of the eastern plains. Some winds were also quite strong with these storms. By the 29th, drier air invaded the State reducing the amount of thunderstorms. Temperatures 5 to 6° above normal statewide.

Days suitable for fieldwork 6.0. Soil moisture 6% very short, 31% short, 59% adequate, 4% surplus. Second cutting alfalfa 79% complete, 83% 1990, 87% avg.; third cutting 28% complete, 41% 1990, 34% avg. Barley 61% harvested, 85% 1990, 85% avg. Oats 74% harvested, 78% 1990, 71% avg. Dry beans 13% harvested, 6% 1990, 10% avg. Sorghum is 36% turning color, 39% 1990, 36% avg.; 3% mature, 4% 1990, 10% avg. Corn 47% dent, 30% 1990, 49% avg.; silage 14% harvested, 8% 1990, 8% avg.; 3% poor, 12% fair, 56% good, 29% excellent. Dry beans 1% poor, 24% fair, 57% good, 18% excellent. Sorghum 6% poor, 18% fair, 54% good, 22% excellent. Onion harvest 34% complete, 50% 1990, 31% avg. Winter wheat 4% seeded, 17% 1990, 14% avg. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures 2° above to 4° below normal north, within 2° of normal central, south. Extreme highs mid 90s, lows upper 60s. Rainfall mostly under 1.00 in., few local areas over 3.00 in.

Soil moisture adequate to surplus. Peanut, corn harvest active. Haying active, weather permitting. Cotton, soybeans, sugarcane continue to make good progress. Pasture ratings 10% fair, 70% good, 20% excellent. States herds mostly good to excellent. Citrus groves, trees very good to excellent. Moisture continues adequate, rainfall variable, abundant new growth. New crop fruit progressing well. Early grapefruit harvest increasing. First Hamlin oranges picked, packed this week. Caretakers cutting cover crops all areas. Few sprays, fertilizer still being applied. Weather continued hot, wet over major vegetable producing areas. Condition all crops generally good. Planting continued active central areas, increasing southern areas.

GEORGIA: Wet week. Heavier rains north, extreme eastern areas. Rainfall 2 to 5 days, 1.00 to 2.00 in. common, local areas over 5.00 in. for week. Elsewhere rain 1 to 3 days, amounts generally under 0.50 in., isolated spots over 1.00 in. Temperatures mostly 1 to 3° above normal. Warmest highs upper 80s northeast mountains, low to middle 90s elsewhere. Coolest lows low 60s mountains to upper 60s, lower 70s elsewhere.

Days suitable for fieldwork 4.1. Soil moisture 5% short, 61% adequate, 34% surplus. Corn 61% harvested for grain, 73% 1990, 66% avg.; some fields must dry before harvest possible. Cotton 1% harvested, 3% 1990, 2% avg.; boll rot biggest concern, dry weather needed. Sorghum 10% fair, 82% good, 8% excellent; 13% harvested for grain, 12% 1990, 18% avg. Peanuts 4% poor, 21% fair, 73% good, 2% excellent; 9% dug, 10% 1990, 7% avg.; 5% threshed, 6% 1990, 3% avg.; disease major concern. Soybeans 100% blooming, 96% 1990, 98% avg.; insect pressure heavy some areas. Tobacco 10% very poor, 2% poor, 61% fair, 27% good; 100% harvested, 92% 1990, 94% avg. Apples 13% poor, 3% fair, 84% good; 46% harvested, 44% 1990, 43% avg. Pecans 4% poor, 25% fair, 70% good, 1% excellent; scab, aphids major problems. Hay, pasture good. Cattle, hogs good.

HAWAII: Windy, rainy beginning of week most, high elevation sections. Mostly sunny Leeward areas. Gusty trade winds 15 to 30 mph. Irrigation still required for normal crop development many areas. Temperatures low 70s to low 90s. Rainfall none to 2.90 in.

Days suitable for fieldwork 7.0. Island crop progressed well with favorable weather. Insect spraying continued active. Watermelon harvest heavy. Banana output continued seasonal increase. Chinese cabbage plantings delayed due to labor shortage. Sugar planting, harvesting normal.

IDAHO: Precipitation fell across State; heaviest concentration in east. Temperatures above normal across State.

Days suitable for fieldwork 6. Soil moisture 15% very short, 31% short, 54% adequate. Winter wheat good; 99% turning color, 78% harvested. Spring wheat good; 97% turning color, 58% harvested. Spring barley 98% turning color, 62% harvested. Potato good; 73% turning, 21% vines dying, killed,

5% harvested. Oats 58% harvested, 65% 1990, 71% avg. Second cutting alfalfa 89% complete, 89% 1990, 94% avg. Third cutting alfalfa 14% complete, 29% 1990, 23% avg. Dry peas 90% harvested, 99% 1990, 98% avg. Lentils 89% harvested, 99% 1990, 93% avg. Mint 90% harvested, 99% 1990, 93% avg. Plum, prune harvest 44% complete, 55% 1990, 52% avg. Hops 27% harvested, 12% 1990, 24% avg. Onions 21% harvested, 32% 1990, 19% avg. Sweet corn harvest 37% complete. Dry bean harvest 6% complete, 9% 1990, 14% avg. Irrigation water good. Livestock good. Pasture, range 78% of normal.

ILLINOIS: Temperatures 4 to 10° above normal across the State. Precipitation generally 0.06 to 1.42 in. across the State.

Days suitable for fieldwork 6.00. Soil moisture 90% short, 10% adequate. Corn harvested 4%, 0% 1990, 1% avg. Soybeans turning yellow 62%, 4% 1990, 29% avg. Pasture condition as a % of normal, where 100% = normal, was 62%. Alfalfa third cutting 73%, 58% 1990, 72% avg. Alfalfa 4% very poor, 21% poor, 52% fair, 22% good, 1% excellent.

INDIANA: Temperatures 5 to 8° above normal. Highs mid 80s to near 90. Lows low to upper 60s. Precipitation none to 0.50. More rain north, south areas.

Days suitable for fieldwork 6.7. Topsoil 92% short, 8% adequate. Subsoil 91% short, 9% adequate. Soybeans turning color 26%, 3% 1990, 15% avg. Tobacco harvested 45%, 18% 1990, 33% avg. Peaches harvested over 90%. Alfalfa hay 3rd cutting 65%. Silo filling 28%, 5% 1990, 30% avg. Pasture 42% of normal. Wheat acres plowed 26%, 27% 1990, 27% avg. Corn, soybean harvest underway.

IOWA: Temperatures 7 to 9° above normal. Extremes 50°; 95°. Precipitation none to 2.75 in.; average 0.25 in.

Days suitable for fieldwork 6.6. Topsoil 67% short, 33% adequate. Subsoil 47% short, 52% adequate, 1% surplus. Hay 3% very poor, 12% poor, 46% fair, 35% good, 4% excellent. Pasture 70% of normal. Corn 98% in milk stage, 100% 1990, 100% avg.; 80% in dough stage, 79% 1990, 93% avg. Soybeans 20% leaves turning color, 3% 1990, 25% avg. Third cutting alfalfa 70% harvested, 66% 1990, 74% avg. Second cutting clover hay 95% harvested, 96% 1990, 99% avg. Hot, humid weather causing stress in livestock.

KANSAS: Temperatures 5° above normal south, 8° above normal elsewhere. Rainfall recorded all areas except northwest; south central received most precipitation.

Days suitable for fieldwork 6.5. Surface moisture 88% short, 12% adequate. Subsurface moisture 92% short, 8% adequate. Row crops stressed by hot, dry weather. Some corn, sorghum being harvested. Range, pastures poor statewide. Pastures north central, west central, northwest fair; remainder poor. Supplies of roughage adequate all locations. Forage reported short except northwest, west central adequate. Stockwater short except western one third State. Third cutting alfalfa 90% complete; fourth cutting 30%.

KENTUCKY: Temperatures around 78°. Highs 3° above normal, lows 6° above normal. Mean

precipitation 1.00 in. Central, Bluegrass Regions received most rain.

Days suitable for fieldwork 5.2. Soil moisture 38% very short, 43% short, 16% adequate, 3% surplus. Tobacco 2% very poor, 11% poor, 64% fair, 22% good, 1% excellent. Burley tobacco 59% cut, 34% 1990, 44% avg. Dark tobacco 51% cut. Corn 8% harvested. Showers helped hay 12% very poor, 28% poor, 40% fair, 19% good, 1% excellent.

LOUISIANA: Temperatures 1.7° below to 0.4° above normal. Extremes 65°; 96°. Rainfall 0.89 in., northeast to 4.13 in., southeast.

Days suitable for fieldwork 5.0. Soil moisture 18% short, 74% adequate, 8% surplus. Corn 94% harvested, 88% 1990, 74% avg. Cotton 100% setting bolls, 100% 1990, 100% avg. Insect, worm pressure increased some fields; first bale ginned Wednesday, Caddo Parish. Hay 50% final cutting, 61% 1990, 50% avg. Rice 79% ripe, 83% 1990, 77% avg. Sorghum 98% headed, 96% 1990, 99% avg.; 70% ripe, 77% 1990, 72% avg.; 50% harvested, 60% 1990, 49% avg. Soybeans 100% blooming, 97% 1990, 97% avg., 5% leaves turning color, 27% 1990, 17% avg. Some fields sprayed to control insects, aerial blight. Sweet potatoes 62% fair, 38% good; 31% harvested, 33% 1990, 31% avg. Beetle, weevil problems; some bruising, skinning due to dry soil, central. Sugarcane 21% fair, 69% good, 10% excellent; 38% planted, 15% 1990, 22% avg. Vegetables 5% poor, 75% fair, 20% good. Pastures 1% very poor, 2% poor, 8% fair, 15% good, 74% excellent. Livestock 23% fair, 69% good, 8% excellent.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.09 in. Temperature 78.0°, normal 73.1°. Extremes 52°; 98°.

Days suitable for fieldwork 6.6. Topsoil 81% short, 19% adequate. Subsoil 13% very short, 62% short, 25% adequate. Field corn was in poor to fair, soybeans fair, sorghum, tobacco good. Field corn 85% dent, 59% 1990, 65% avg.; 49% mature, 5% 1990, 15% avg.; 55% harvested for silage, 11% 1990, 22% avg. Soybeans 91% set pods, 77% 1990, 74% avg.; 15% turned, 10% 1990, 6% avg. Sorghum 57% turned, N/A 1990, N/A avg. Tobacco 84% topped, 82% 1990, 75% avg.; 60% harvested, 46% 1990, 44% avg. Watermelons 91% harvested, 91% 1990, 90% avg. Cantaloupes 93% harvested, 96% 1990, 94% avg. Lima beans 62% harvested, 39% 1990, 55% avg. Sweet potatoes 26% harvested, 0% 1990, 0% avg. Tomatoes 90% harvested, 84% 1990, 82% avg. Other hay second cut 75% complete, 89% 1990, 88% avg.; third cut 26% complete, 23% 1990, 38% avg. Alfalfa third cut 92% complete, 83% 1990, 86% avg.; fourth cut 38% complete, 11% 1990, 18% avg. Hay supplies adequate. Pasture very poor. Peaches, apples good. Peaches 92% harvested, 85% 1990, 80% avg. Apples 24% harvested, 22% 1990, 23% avg.

DELAWARE: Precipitation none. Temperature 76.0°, normal 73.6°. Extremes 62°; 95°.

Days suitable for fieldwork 7. Topsoil 67% short, 33% adequate. Subsoil 50% short, 50% adequate. Field corn, sorghum fair to good, soybeans good. Field corn 93% dent, 63% 1990, 72% avg.; 45% mature, 8% 1990, 20% avg.; 46% harvested for silage, 23% 1990, 27% avg. Soybeans 83% set pods, 74% 1990, 73% avg. Sorghum 24% turned, N/A 1990, N/A avg. Sweet corn 81% harvested, 86% 1990, 86% avg. Potatoes 71% harvested, 90% 1990, 84% avg. Watermelons 94% harvested, 78% 1990, 90% avg.

Cantaloupes 85% harvested, 96% 1990, 97% avg. Cucumbers 76% harvested, 80% 1990, N/A avg. Lima Beans 28% harvested, 34% 1990, 36% avg. Snap beans 85% harvested, 89% 1990, N/A avg. Tomatoes 76% harvested, 84% 1990, 73% avg. Other hay third cut 65% complete, 50% 1990, 69% avg.; fourth cut 39% complete, N/A 1990 and avg. Alfalfa hay fourth cut 15% complete, 14% 1990, 26% avg. Hay supplies adequate. Pasture good. Apples fair. Apples 28% harvested, 30% 1990, 24% avg.

MICHIGAN: Temperatures 5 to 10° above normal. Extremes 95°; 35°. Precipitation none to 2.21 in. across State.

Days suitable for fieldwork 6.5. Soil moisture 55% short, 45% adequate. Corn 50% dent, 10% 1990, 30% avg.; 5% mature, 0% 1990, 5% avg.; 2% very poor, 8% poor, 25% fair, 40% good, 25% excellent. Soybeans 100% setting pods, 90% 1990, 90% avg.; 5% dropping leaves, 0% 1990, 2% avg.; 1% very poor, 4% poor, 30% fair, 45% good, 20% excellent. Winter wheat 0% planted, 0% 1990, 0% avg. Pasture condition 75% of normal.

MINNESOTA: Temperatures 12 to 15° above normal. Extremes 42°; 106°. Precipitation none to 0.17 in. Greatest weekly total 0.26.

Days suitable for fieldwork 6.2. Topsoil 19% very short, 34% short, 45% adequate, 2% surplus. Field corn 93% in dough, 82% 1990, 95% avg.; 59% dent, 21% 1990, 63% avg.; 8% mature, 0% 1990, 12% avg.; 8% silage cut, 2% 1990, 9% avg. Soybeans 36% turning yellow, 23% 1990, 44% avg.; 10% dropping leaves, 7% 1990, 11% avg. Dry beans 51% harvested, 13% 1990, 15% avg. Potatoes 14% harvested, 7% 1990, 11% avg. Flax 25% harvested, 26% 1990, 33% avg. Sweet corn 70% harvested, 54% 1990, 73% avg. Winter wheat 34% seeded, 24% 1990, 31% avg. Rye 40% seeded, 23% 1990, 30% avg. Hay, small grain 56% stubble plowed, tilled, 49% 1990, 51% avg. Field corn 5% poor, 28% fair, 55% good, 12% excellent. Soybeans 4% poor, 29% fair, 56% good, 11% excellent.

MISSISSIPPI: Weather Data Not Available.

Days suitable for fieldwork 4.4, 6.5 1990, 5.9 avg. Soil 10% very short, 15% short, 68% adequate, 4% surplus, 3% excessive. Corn dough 97%, 100% 1990, 100% avg.; 89% denting, 96% 1990, 94% avg.; 80% mature, 73% 1990, 73% avg.; 33% harvest, 22% 1990, 29% avg.; silage harvest 80%, 80% 1990, 80% avg.; 1% very poor, 24% poor, 30% fair, and 40% good, 5% excellent. Cotton open bolls 32%, 73% 1990, 58% avg.; 1% poor, 18% fair, 81% good. Peanuts 54% harvest 30% 1990, 35% avg. Rice 87% heading, 99% 1990, 98% avg.; 34% mature, 34% 1990, 54% avg.; 12% harvest, 8% 1990, 13% avg.; 45% fair, 55% good. Sorghum 94% heading, 99% 1990, 99% avg.; 70% coloring, 85% 1990, 85% avg.; 48% mature, 54% 1990, 61% avg.; 15% harvest, 20% 1990, 30% avg.; 75% silage harvest, 85% 1990, 61% avg.; 1% poor, 62% fair, 37% good. Soybeans 90% blooming, 96% 1990, 93% avg.; 72% podding, 80% 1990, 73% avg.; 12% turning color, 18% 1990, 19% avg.; 1% shedding leaves, 8% 1990, 8% avg.; 62% fair, 36% good, 2% excellent. Sweet potatoes 40% harvest, 16% 1990, 21% avg. Hay 87% harvested, 80% 1990, 79% avg. Pecans 18% very poor, 34% poor, 29% fair, 19% good. Livestock 6% poor, 13% fair, 50% good, 31% excellent. Pasture 87% of normal.

MISSOURI: Temperatures 2° above normal southwest to 8° above normal east central. Rainfall 0.71 in., varying less than 0.50 in. northern districts to over 1.00 in. west central, southeastern districts.

Days suitable for fieldwork 6.3. Topsoil 87% short, 13% adequate. Corn mature varies less than 40% north central, northeast districts to 80% or more west central, southeast. Corn harvesting 5% northern districts to 48% southeast. Soybean coloring 13% northeast to 29% east central. Sorghum mature less than 25% all districts except west central 29%, southeast 48%. Sorghum harvesting 15% southeast, just starting elsewhere. Alfalfa hay third cutting 90%, 80% 1990, 89% avg. Pasture 42% very poor, 33% poor, 20% fair, 5% good, some farmers feeding hay.

MONTANA: Temperatures above normal all divisions, highest east. Below freezing lows southwest. East dry, southwest averaged one half inch moisture.

Days suitable for fieldwork 6.4. Topsoil 69% short, 31% adequate. Subsoil 58% short, 41% adequate, 1% surplus. Winter wheat harvested 87%, 98% 1990, 93% avg.; Spring wheat 2% very poor, 7% poor, 12% fair, 41% good, 38% excellent. Barley harvested 71%, 78% 1990, 71% avg.; 1% very poor, 5% poor, 12% fair, 47% good, 35% excellent. Oats harvested 58%, 79% 1990, 74% avg.; 2% very poor, 8% poor, 14% fair, 48% good, 28% excellent. Sugarbeets 4% very poor, 5% poor, 21% fair, 52% good, 18% excellent. Second cutting alfalfa harvested 74%, 80% 1990, 80% avg. Pasture, range feed 86% of normal.

NEBRASKA: Temperatures 8 to 10° above normals. Precipitation less than 0.10 in. central, southwest. Remainder of State dry.

Days suitable for fieldwork 6.9. Topsoil 98% short, 2% adequate. Subsoil 86% short, 14% adequate. Corn 6% very poor, 9% fair, 32% fair, 45% good, 8% excellent; 85% dent, 51% 1990, 69% avg.; 18% mature, 2% 1990, 13% avg. Sorghum 14% very poor, 23% poor, 44% fair, 19% good; 76% coloring, 35% 1990, 60% avg.; 15% mature, 1% 1990, 6% avg. Soybeans 7% very poor, 39% poor, 38% fair, 16% good; 40% turning, 21% 1990, 28% avg.; 10% dropping leaves, 4% 1990, 6% avg. Alfalfa 14% very poor, 35% poor, 26% fair, 24% good, 1% excellent; 79% third cutting, 77% 1990, 76% avg. Pasture, range 63% of normal.

NEVADA: Temperatures above normal. Extremes 29°; 108°. Precipitation none to 0.31 in. Temperatures cooler early in week due to clouds from low pressure system. Associated light rainfall mainly central, east, south. Temperatures returned to above normal by weekend.

Gusty winds, showers caught swathed alfalfa on the ground in some areas. Irrigation water supplies remain short. Recent increase in allocation for one area up 44% from normal will allow one or more application to pastures, some hay fields, providing a third alfalfa cutting not expected earlier. Garlic harvest nearing completion. Onion, alfalfa seed harvest under way. Other activities include livestock management, harvesting hay, irrigation, reseeding alfalfa, maintenance.

NEW ENGLAND: Precipitation none to 0.25 in. south, 0.25 to 2.30 in. north. Temperatures mid 60s to mid 70s; 2 to 5° above normal. Maximum temperatures mid 80s to low 90s; minimum temperatures high 30s to mid 50s.

Days suitable for fieldwork 6.2. Soil moisture 26% short, 71% adequate, 3% surplus. Grazing availability 4% very short, 54% short, 42% adequate. Fieldwork 4.7 days ahead of schedule. Maine potatoes 2% harvested, 4% 1990, 6% avg.; fair to good. Rhode Island potatoes 37% harvested, 48% 1990, 43% avg.; fair. Connecticut Valley potatoes 29% harvested, 18% 1990, 17% avg.; fair to good. Maine oats 45% harvested, 63% 1990, 44% avg.; fair to good. Field corn 7% harvested, 1% 1990, 4% avg.; fair. Sweet corn 82% harvested, 73% 1990, 76% avg.; fair to good. Second cut hay 89% complete, 77% 1990, 78% avg.; fair. Third cut hay 40% complete, 43% 1990, 38% avg.; fair. Connecticut Valley shade tobacco harvest complete, outdoor tobacco harvest 99% complete; fair. Apples 29% harvested, poor to fair, size small to medium. Peaches 73% harvested, poor to fair. Pears 44% harvested, poor to fair. Cranberries coloring, size medium, good, harvest to start in next 2 weeks. Blueberry harvest 95% complete, size medium, fair. Raspberry harvest 94% complete, size medium, good.

NEW JERSEY: Temperatures much above normal. Extremes 37°; 96°. Rainfall 0.02 in. north, none central, 0.01 in. south. Heaviest 24 hour total 0.12 in. on 31st, 1st. Estimated soil moisture percent field capacity, averaged 63% north, 59% central, 52% south. Four inch soil temperature 71° north, 73° central, 74° south.

Soil moisture about adequate most areas. Late season crop good. Summer vegetable harvest about complete. Fall vegetable growth good. Irish potato growth good. Late season peach harvest active. Fall variety apple prospects good. Grape harvest active. Late season raspberry picking continued. Third cutting hay complete; some fourth cutting made. Pasture growth good most areas.

NEW MEXICO: Temperatures a couple of degrees above normal in the west, near normal in the east. Extremes 41°; 100°. Precipitation rather spotty for State. Greatest totals eastern plains, amounts varied considerably.

Days suitable for fieldwork 6.6. Soil moisture 19% short, 77% adequate, 4% surplus. Crop conditions: Alfalfa 4% very poor, 4% poor, 20% fair, 68% good, 4% excellent. Corn 93% good, 7% excellent; silage harvest active. Irrigated wheat 48% planted; dryland wheat 52% planted. Chile 8% poor, 17% fair, 75% good; green harvest active with wilt problems occurring in some areas. Onions 25% fair, 75% good. Lettuce fair condition with most planting complete. Pecans 25% fair, 75% good. Apples 40% fair, 60% good. Cattle 19% fair, 81% good. Sheep 22% fair, 78% good. Range 89% of normal, low of 52%, high of 135%.

NEW YORK: Early week temperatures seasonal, warming throughout. Extremes 34°; 96°. Early week dry. Thunderstorms dumped in excess of 1.00 in. parts of eastern, central areas north of Mohawk River. Elsewhere, amounts light.

Days suitable for fieldwork 4.8. Soil moisture very short to mostly short. Pasture condition 42%

of normal. Corn maturing quickly, most silage ready for harvest. Oats 94% harvested, 74% 1990, 84% average. Second cut alfalfa hay nearing completion. Third cut alfalfa hay 59% complete, about one week ahead of normal. Potato harvest gaining momentum. McIntosh apple harvest in Hudson Valley winding down. Poor coloring due to early maturity of fruit, lack of cool nights. Grape harvest continues active in Finger Lakes Region with above average yields. Late onion harvest in progress. Celery movement excellent. Vegetable harvest remains active.

NORTH CAROLINA: Weather data not available.

Days suitable for fieldwork 4.5. Soil moisture 5% short, 66% adequate, 29% surplus. Crop condition: Tobacco 1% poor, 28% fair, 70% good, 1% excellent; corn 2% poor, 25% fair, 70% good, 3% excellent; cotton 29% fair, 69% good, 2% excellent; peanuts 36% fair, 64% good; soybeans 13% fair, 82% good, 5% excellent; hay 1% poor, 15% fair, 80% good, 4% excellent; Sweet potatoes 6% poor; 15% fair, 79% good; Apples 17% fair, 77% good, 6% excellent; sorghum 18% fair, 79% good 3% excellent; Pasture 15% fair, 78% good, 7% excellent. Harvested: Flue cured tobacco 67%; burley tobacco 30%; corn silage 56%; corn for grain 15%; Sweet potatoes 6%; Apples 15%; Hay second cutting 83%, third cutting 40%. Cotton opening bolls 32%, Corn dent 92%; corn mature 78%; soybeans blooming 87%; soybeans setting pods 72%.

NORTH DAKOTA: Temperatures 9° above normal northeast to 12° above normal south central. Extremes 42° northeast; 105° south central. Precipitation none west central to 0.23 in. southeast.

Days suitable for fieldwork 6.9. Topsoil 45% very short, 49% short, 6% adequate. Subsoil 44% very short, 48% short, 8% adequate. Spring wheat 96% combined, 91% 1990, 88% avg.; durum 90% combined, 78% 1990, 79% avg.; oats 98% combined, 95% 1990, 93% avg.; barley 99% combined, 98% 1990, 96% avg. Corn for grain 4% poor, 30% fair, 65% good, 1% excellent; 17% ripe, 1% 1990, 3% avg. Corn for silage 26% poor, 33% fair, 34% good, 7% excellent; 29% cut, 13% 1990, 16% avg. Sunflower 3% poor, 28% fair, 58% good, 11% excellent; 12% bracts turned brown, 6% 1990, 10% avg. Flax 26% fair, 63% good, 11% excellent; 44% combined, 26% 1990, 24% avg. Potatoes 100% good; 7% dug, 1% 1990, 7% avg. Soybeans 25% fair, 59% good, 16% excellent; 52% mature or beyond, 17% 1990, 24% avg. Dry edible beans 2% poor, 12% fair, 76% good, 10% excellent; 45% combined, 18% 1990, 10% avg. Sugarbeets 100% good. Pasture conditions 69% of normal. Alfalfa hay second cutting 95% complete, other hay first cutting 97% complete. Stockwater supplies 6% very short, 60% short, 34% adequate.

OHIO: Temperatures 73 to 79° with high temperatures between 85 to 95°. Very little rainfall across the State with most areas receiving less than 0.20 in. very few receiving more than 0.50 in.

Days suitable for fieldwork 6.9. Soil moisture 73% short, 26% adequate, 1% surplus. Pastures 27% very poor, 36% poor, 27% fair, 9% good, 1% excellent. Tomato harvest 62%, 21% 1990, 37% avg. Potato harvest 42%, 31% 1990, 29% avg. Summer apple harvest 81%, 73% 1990, 78% avg. Third cut

alfalfa 74%, 54% 1990, 60% avg. Third cut other hay 45%, 24% 1990, 30% avg. Corn for silage 44%, 3% 1990, 13% avg.

OKLAHOMA: Weather Data Not Available.

Days suitable for fieldwork 5.0. Topsoil 24% short, 76% adequate. Subsoil 57% short, 43% adequate. Wheat 81% seedbed prepared, 71% 1990, 73% avg.; 3% planted, 3% 1990, 3% avg. Cotton 97% setting bolls, 98% 1990, 93% avg.; 5% open bolls, 3% 1990, 10% avg. Cotton fair to good. Sorghum 85% headed, 88% 1990, 94% avg.; 40% milk to soft dough, 46% 1990, 65% avg.; 11% mature, 1% 1990, 8% avg. Sorghum good. Soybeans 87% flowering, 80% 1990, 93% avg.; 68% setting pods, 48% 1990, 73% avg.; 6% mature, 0% 1990, 6% avg. Peanuts 91% setting pods, 92% 1990, 92% avg.; 5% mature, 5% 1990, 12% avg. Corn 84% mature, 38% 1990, 70% avg.; 18% harvested, 10% 1990, 22% avg. Pasture 82%. Crop insect activity light to moderate. Cattle good, marketings average, prices mixed.

OREGON: Temperatures coast, Willamette Valley; 2 to 6° above normal, extremes high 90° to isolated lows near freezing, east. Rainfall, 0.75 in. to 3.00 in. coast; 0.25 in. to 0.75 in. Willamette Valley. Heaviest near Coast 0.75 in. Cascade foothills. Mainly dry, east.

Soil moisture 86% short, 14% adequate. Winter wheat, barley harvest continued. Third cutting hay underway, most areas, fourth cutting, some areas; fall seeding began. Grain yields good, Baker County. Alfalfa good to excellent, Wallowa County. Red clover harvest began, Washington, Yamhill County. Bartlett pear harvest continued, Hood River Valley, Medford, Willamette Valley; 21st hail damaged 5 to 10% pear crop, Medford. Bartlett, peach, Gravenstein, other early apples picked, Willamette Valley. Apple harvest underway, Umatilla County. Blackberry, everbearing raspberry harvest continued, blueberries winding down, west. Cranberry fruit color developed nicely, south coast. Sweet corn harvest underway all areas; snap beans finishing; cucumber harvest continued. Potatoes half finished, onion harvest started, Malheur County. Potato harvest full swing, Lake Labish onions windrowed, carrots for processing, Umatilla County. Livestock good to excellent; many calves, yearlings contracted, with 50% yearlings already marketed, Wallowa County; movement of yearlings continued, Klamath County; due to price drop, producers holding livestock, Jackson County; rangelands very dry, some range fires, east. Statewide range, pasture 7% poor, 26% fair, 59% good, 8% excellent.

PENNSYLVANIA: Dry, warm week across the Commonwealth. Temperature 74°, 5° above normal. Extremes 42°; 98°. Precipitation 0.07 in., 0.69 in. below normal.

Days suitable for fieldwork 6. Soil moisture 86% short, 14% adequate. Corn 98% silk, 96% 1990, 96% avg.; 85% dough, 57% 1990, 69% avg.; 46% dent, 12% 1990, 27% avg.; 6% mature, 2% 1990, 4% avg. Ensilage corn harvested 17% complete, 2% 1990. Corn crop 14% very poor, 28% poor, 31% fair, 22% good, 5% excellent. Soybean 12% very poor, 23% poor, 35% fair, 24% good, 6% excellent. Wheat planted 4% complete, 2% 1990. Oats harvest 100% complete, 96% 1990. Barley planted 6% complete, 5% 1990. Tobacco harvest 41% complete, 36% 1990.

Potato harvest 41% complete, 26% 1990. Second cutting alfalfa 98% complete, 92% 1990. Third cutting alfalfa 60% complete, 52% 1990. Fourth cutting alfalfa 17% complete, 8% 1990. Second cutting clover timothy 86% complete, 75% 1990. Feed from pastures 51% very poor, 21% poor, 25% fair, 3% good. Quality of hay made mostly good. Apple harvest 26% complete, 20% 1990. Peach harvest 82% complete, 69% 1990. Grapes harvest 22% complete, 13% 1990. Fall plowing 25% complete, 24% 1990.

PUERTO RICO: No Weather Data Available.

SOUTH CAROLINA: Temperatures . 2 to 3° above normal. Rainfall varied 1.10 in. northeast to 3.80 in. mountains.

Days suitable for fieldwork 4.8. Soil moisture 5% short, 90% adequate, 5% surplus. Cotton; 2% poor, 66% fair, 32% good; 5% open bolls, 34% 1990, 26% avg. Cantaloupes fair to good; 95% harvested, 96% 1990, 96% avg. Apples good; 44% harvested, 56% 1990, 28% avg. Snap beans fair to good; 62% harvested, N/A 1990, N/A avg. Sorghum fair to good; 24% harvested, 29% 1990, 21% avg. Soybeans 11% fair, 83% good, 6% excellent; 94% blooming, 93% 1990, 90% avg.; 60% setting pods, 63% 1990, 63% avg.; 4% leaves turning, 3% 1990, 4% avg. Tobacco fair to good; 87% harvested, 81% 1990, 82% avg.; 24% stalks destroyed, 12% 1990, 13% avg. Corn fair to good; 40% harvested, 57% 1990, 38% avg. Fall hay fair to good; 50% harvested, 35% 1990, 48% avg. Peanuts fair; 3% harvested; 4% 1990, 3% avg. Sweet potatoes fair to good; 28% harvested; 9% 1990, 7% avg. Pastures fair to good.

SOUTH DAKOTA: Temperatures about 7 to 16° above normal last week. Extremes 40°; 109°. Rainfall light. Maximum 0.30 in. There was only one other report of rain outside of the northeast corner of the State.

Days suitable for fieldwork 6.3. Topsoil 36% critical, 52% short, 10% adequate, 2% surplus. Subsoil 26% critical, 52% short, 19% adequate, 3% surplus. Flax 36% fair, 55% good, 5% excellent. Sunflowers 2% poor, 34% fair, 67% good, 7% excellent. Livestock 10% fair, 76% good, 14% excellent. Pasture conditions 80% of normal.

TENNESSEE: Scattered showers fell daily. Temperatures slightly below normal Cumberland Plateau, slightly above normal elsewhere.

Days suitable for fieldwork 5.5. Soil moisture 10% very short, 37% short, 53% adequate. Corn 80% dent, 73% 1990, 85% avg.; 40% mature, 28% 1990, 42% avg.; 26% harvested for silage, 21% 1990, 47% avg.; 8% harvested for grain, 2% 1990, 6% avg.; 3% very poor, 9% poor, 50% fair, 34% good, 4% excellent. Cotton 24% open bolls, 26% 1990, 27% avg.; 11% poor, 55% fair, 34 good. Sorghum 54% turning color, 62% 1990, 79% avg., 20% mature, 18% 1990, 37% avg.; 11% poor, 53% fair, 34% good, 2% excellent. Soybeans 92% blooming, 90% 1990, 94% avg.; 62% setting pods, 70% 1990, 80% avg.; 1% very poor, 13% poor, 60% fair, 21% good, 5% excellent. Tobacco 92% topped, 90% 1990, 90% avg.; burley tobacco 54% harvested, 37% 1990, 45% avg.; dark fired tobacco 38% harvested, 42% 1990, 46% avg.; Dark Air cured Tobacco 42% harvested, 31% 1990, 42% avg.; 25% fair, 73% good, 2% excellent. Pastures

3% very poor, 11% poor, 34% fair, 47% good, 5% excellent. Cattle 1% poor, 17% fair, 80% good, 2% excellent.

TEXAS: Hot, dry weather persisted over much of western half of State, while scattered showers, some heavy rain fell central, southern areas of State. Conditions enhanced crop prospects in many areas. The hot, dry conditions affected ranges, pastures areas which missed rainfall. Livestock maintaining good conditions, some herds affected by hornflies.

Crops: Corn harvest started High Plains, silage harvest winding down. Grain harvest also winding down central, southern areas of State. Wet weather delayed harvest in Blacklands. Cross Timbers, some fields minor earworm problems. Corn harvest 55% 1991, 66% 1990, 64% avg. Sorghum fields began show signs stress from dry weather, High Plains. Headworm infestations problems some fields, High Plains. Low Plains, heavy midge populations showing up some fields. Sorghum harvest 69% 1991, 55% 1990, 54% avg. Cotton fields in State making good progress. Some aerial spraying of bollworms, aphids began High Plains. Aphid problems declining some areas. Hot, humid conditions across most of State ideal good crop growth. Rain interrupted harvest in south central areas. Cotton harvest 16% 1991, 13% 1990, 12% avg. Land preparations small grains continued, many producers applying fertilizer. Few fields of wheat, oats seeded. Rice harvest Upper Coast continued few delays. Second crop expected excellent. Soybeans continued look good in Plains. Late planted beans making excellent progress, good yield potential. Peanut crop continued good progress. Some fields fair to good stands, some leaf spot. Spraying begun for control leaf spot. Peanut 87% of normal; 2% poor, 15% fair, 67% good, 16% excellent.

Commercial Vegetables: Rio Grande Valley, early planted carrots continued progress, as planting continued. East Texas, watermelon harvest virtually complete. Sweet potato harvest continued. High Plains, onion harvest nearing completion, average yields. Cabbage, carrots harvest continued. Trans Pecos, garlic harvest full swing. Chile wilt reported some fields. Pecan trees continued mature across State. Aphid infestation, fruit drop affected production some areas. Producers began spraying weevils.

Range and Livestock: Winter pasture preparations continued many areas. Forage, hay supplies many areas adequate. Livestock affected by increase hornfly population. Some supplemental feeding continued areas limited rainfall.

UTAH: Temperature maximums 4° above normal, minimums 6° above normal. Moderate precipitation recorded in all areas of the State, except Dixie, where precipitation was light.

Days suitable for fieldwork 6.3. Soil moisture 76% short, 24% adequate. Winter wheat seeded 8% complete. Spring wheat 98% harvested, 96% avg. Barley harvest nearing completion. Eighty three % of oats was ripe. Oats 55% harvested for grain, 89% 1990, 84% avg. Corn 42% in dough, 38% 1990, 55% avg. Alfalfa third cutting 32% completed, 43% 1990, 43% avg. Pasture, range mostly good to excellent. Irrigation water supply 4% very short, 64% short, 32% adequate. Stockwater supply 67%

short, 33% adequate. Hay, roughage supplies 15% short, 59% adequate, 26% surplus. Potato harvest 10% complete. Cattle moved from summer range 7% complete, sheep moved from summer range 4% complete.

VIRGINIA: Temperatures well above normal. Extremes 52°; 99°. Precipitation below normal none at Warsaw to 1.19 in. at Philpott Dam.

Days suitable for fieldwork 5.7. Topsoil 6% very short, 51% short, 37% adequate, 6% surplus. Corn in dough stage 85%, 80% 1990, 83% avg.; dented 65%, 59% 1990, 63% avg.; mature 50%, 36% 1990, 38% avg.; silage harvested 30%, 28% 1990, 19% avg.; for grain harvested 10%, 5% 1990, 5% avg.; 8% very poor, 23% poor, 32% fair, 33% good, 4% excellent. Soybeans bloomed 89%, 84% 1990, 88% avg.; setting pods 72%, 70% 1990, 65% avg.; 11% poor, 52% fair, 37% good. Fall apple harvest beginning. Sweet potatoes harvest over one fourth completed. Flue tobacco harvest 50%, 52% 1990, 36% avg. Fire tobacco harvested 60%, 53% 1990, 45% avg. Burley tobacco harvested 25%, 23% 1990, 17% avg. Sun tobacco harvested 50%, 34% 1990, 31% avg. Tobacco 14% fair, 86% good. Peanut 40% fair, 60% good. Alfalfa 21% poor, 41% fair, 31% good, 7% excellent. Other hay 9% very poor, 23% poor, 24% fair, 42% good, 2% excellent. Pasture 5% very poor, 21% poor, 36% fair, 32% good, 6% excellent.

WASHINGTON: Temperatures 2° above normal to 4° below normal, east; 1° above normal to 2° below normal, west. Precipitation none east; 1.15 to 5.66 in. west.

Days suitable for fieldwork 6.6. Soil moisture 59% very short, 41% short. Hay, other roughage 10% short, 82% adequate, 8% surplus. Range, pasture 49% poor, 20% fair, 8% good, 23% excellent. Potatoes 100% good; 18% harvested. Dry beans 100% good. Corn 100% good. Dry peas 92% harvested. Alfalfa hay 2nd cutting 95%; 3rd cutting 66%. Grain harvest continues, with some winter wheat planting underway. Dry pea, lentil yields reportedly good. Pear harvest in progress, with some apples harvested in the earliest districts. Vegetable harvest continued statewide. Pastures, ranges drying, good condition for this time of year.

WEST VIRGINIA: Temperature 76°. Extremes 51°; 100°. Precipitation 0.41 in.

Days suitable for fieldwork 6.1. Soil moisture 33% very short, 56% short, 11% adequate. Corn, 4% very poor, 45% poor, 16% fair, 35% good; 98% silked, 89% dough stage, 62% mature. Oats good; 100% headed, 98% harvested. Gardens, fair. Tobacco, good; 87% topped, 51% harvested. Hay, 17% very poor, 16% poor, 43% fair, 24% good; 64% second cutting, 60% third cutting. Apples poor. Peaches poor. Pastures, 13% very poor, 30% poor, 56% fair, 1% good; 49% of normal. Cattle, fair. Sheep, good.

WISCONSIN: Temperature 74°, 9° above normal. Extremes 36°; 99°. Precipitation trace to 0.10 in.

Days suitable for fieldwork 6.8. Soil moisture 61% short, 39% adequate. Lack of rain really evident in southern counties as they report 100% short in south central, southeast districts. Pasture 66% of normal, 87% 1990, 76% avg. General condition of crops 2% poor, 25% fair, 66% good, 7% excellent. Corn 2% poor, 23% fair, 61% good, 14% excellent; dough 84%, 57% 1990, 77% avg.; dent 52%, 10% 1990, 41% avg.; mature 11%, 1% 1990, 9% avg. Some corn silage harvest has started, mainly in the southern districts. Soybean 6% poor, 18% fair, 66% good, 10% excellent.; leaves 38% turned, 7% 1990, 14% avg. Third crop hay 53% harvested, 34% 1990, 38% avg.

WYOMING: Temperatures well above normal. Precipitation below normal.

Days suitable for fieldwork 6.2. Topsoil 43% short, 57% adequate. Subsoil 28% short, 72% adequate. Barley 20% mature, 20% 1990, 15% avg.; 80% harvested, 80% 1990, 80% avg. Spring wheat 15% mature, 10% 1990, 15% avg.; 85% harvested, 90% 1990, 85% avg. Oats 25% mature, 30% 1990, 20% avg.; 75% harvested, 70% 1990, 75% avg. Alfalfa second cutting 80% complete, 75% 1990, 80% avg.; third cutting 15% complete, small amount 1990. Dry beans 85% leaves turning color, 70% 1990, 75% avg.; 20% windrowed, 10% 1990, 20% avg.; 5% combined, small amount 1990, 5% avg. Corn 30% milk, 30% 1990, 35% avg.; 55% dough, 55% 1990, 45% avg.; 15% dented, 10% 1990, 15% avg.; 0% mature, 0% 1990, small amount average. Corn silage small amount harvested, small amount 1990. Potatoes 0% harvested, 0% 1990. 1992 winter wheat 15% planted, 20% 1990, 15% avg.; 0% emerged, small amount 1990, small amount avg. Sugarbeet harvest starting mid to late September. Ranges, pastures good to excellent. Livestock mostly good to excellent.

August 1991
MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
***** = DATA NOT AVAILABLE**

International Weather and Crop Summary
HIGHLIGHTS

August 25-31, 1991

USSR ... In Western USSR, widespread light to moderate rain hampers winter grain planting and slows summer crop maturation. In the New Lands, warm, dry weather promotes spring grain ripening and helps early harvest.

EUROPE ... Favorable harvest weather prevails in the west. Showers slow fieldwork in the east.

EASTERN ASIA ... Showers benefit maturing summer crops in northern China. Dry conditions across the Yangtze Valley favor immature rice.

SOUTHEAST ASIA ... Seasonable and mostly beneficial rains cover most crop regions of Indochina and the Philippines.

SOUTH AMERICA ... Scattered showers benefit most immature grains and oilseeds, but dry pockets continue in western and southern regions.

SOUTH AMERICA ... Beneficial rains and warmth aid winter wheat development in Argentina, while topsoils remain dry for corn planting in southern Brazil.

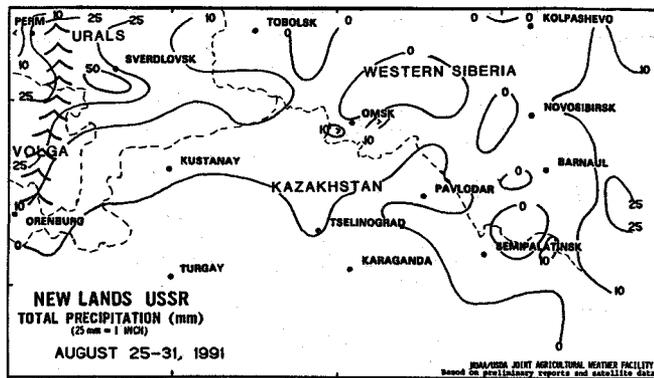
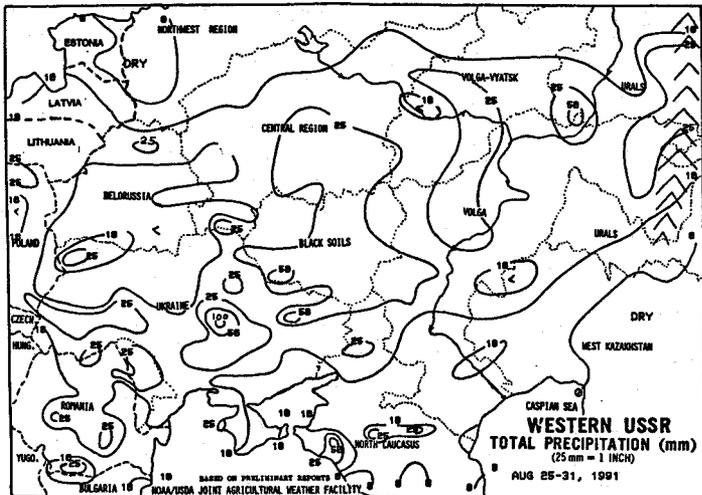
AUSTRALIA ... Rain is needed in the northeastern winter grain region.

CANADA ... Showers hamper local grain harvests, but favorably warm weather benefits crop maturation.

MEXICO ... Rains delay corn harvesting in the south.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG DPART	F/NRM TOTAL	F/NRM DPART	
NORWAY	OSLO	22	9	26	3	16	1.7	62	-36
SWEDEN	STOCKHOLM	22	13	27	8	18	1.4	74	3
FINLAND	HELSINKI	22	12	28	5	17	1.5	90	14
U KING	GLASGOW	19	12	25	7	16	0.3	42	-49
	EDINBURGH	20	12	25	7	16	1.5	23	-51
	BIRMINGHAM	22	12	27	6	17	1.7	16	-56
	LONDON	23	13	27	7	18	2.0	17	-40
IRELAND	DUBLIN	20	13	24	7	17	1.8	29	-46
ICELAND	REYKJAVIK	13	9	17	5	11	0.6	94	38
DENMRK	COPENHAGEN	22	14	29	10	18	0.6	62	-5
LUXEMB	LUXEMBOURG	25	14	31	7	20	3.1	14	-60
SWITZL	ZURICH	26	15	33	10	20	3.6	64	-78
	GENEVA	28	15	32	10	21	3.3	4	-97
FRANCE	PARIS	27	13	33	8	20	2.4	25	-33
	STRASBOURG	28	14	33	8	21	2.8	6	-67
	BOURGES	28	15	33	10	22	3.2	11	-57
	BORDEAUX	30	17	36	12	23	4.3	22	-42
	TOULOUSE	31	18	38	12	24	4.1	42	-6
	MARSEILLE	31	20	34	16	25	2.7	1	-25
SPAIN	VALLADOLID	33	16	38	11	24	3.7	0	-10
	MADRID	35	18	41	12	27	2.8	0	-10
	SEVILLE	37	20	43	17	29	2.5	0	-4
GERMNY	LEIPZIG	24	14	34	8	19	1.4	40	-19
	DRESDEN	23	14	33	9	19	1.1	78	6
	HAMBURG	22	13	30	7	18	1.5	99	15
	BERLIN	24	15	34	10	20	1.3	26	-40
	DUSSELDORF	25	15	33	9	20	1.6	55	-23
	STUTTGART	26	13	35	7	20	2.7	18	-81
	MUNICH	25	14	34	6	19	2.3	68	-5
	MUNICH	24	13	33	5	19	1.9	131	19
AUSTRI	VIENNA	25	15	31	9	20	0.8	38	-25
	INNSBRUCK	25	13	31	7	19	2.1	53	-67
CZECH	PRAGUE	24	12	32	5	18	0.9	57	-9
POLAND	WARSAW	24	13	32	7	18	1.0	44	-11
	LODZ	24	13	33	8	18	1.7	52	-15
	KATOWICE	23	12	31	6	18	1.1	46	-45
	PRZEMYSL	22	14	32	8	18	0.8	110	32
HUNGAR	BUDAPEST	26	16	31	12	21	0.8	91	44
YUGOSL	SARAJEVO	25	14	32	10	20	2.1	58	-19
ROMANI	BUCHAREST	27	15	32	10	21	-1.4	59	7
BULGAR	SOFIA	25	14	31	8	20	-0.2	64	25
ITALY	MILAN	31	19	34	13	25	3.0	1	-94
	MILAN	30	19	33	12	24	1.9	13	-68
	VENICE	29	20	33	14	24	1.7	21	-55
	GENOA	29	23	33	18	26	1.3	2	-52
	ROME	30	20	30	16	25	0.8	11	-17
	NAPLES	31	21	34	17	26	2.7	9	-48
GREECE	THESSALONIKA	30	20	35	15	25	-1.5	46	26
	LARISSA	31	18	38	12	24	-2.4	57	45
	ATHENS	31	23	35	20	27	-1.1	3	-2
TURKEY	ISTANBUL	28	20	34	16	24	1.0	6	-15
	ANKARA	29	13	35	8	21	-2.3	2	-35
CYPRUS	LARNACA	32	22	37	18	27	-0.6	0	-1
USSR	TALLINN	21	13	28	8	17	1.4	63	-7
	LENINGRAD	21	14	27	10	18	1.4	83	9
	KAUNAS	23	13	30	8	18	1.8	28	-35
	MINSK	23	13	32	9	18	1.8	45	-33
	KAZAN	20	11	28	6	16	-1.8	65	1
	MOSCOW	21	12	28	6	17	0.0	121	47
	SVERDLOVSK	18	10	25	2	14	-0.9	102	37
	OMSK	19	10	26	2	14	-1.5	102	49
	KUSTANAY	23	11	31	5	17	-0.7	39	8
	KRASNNOYARSK	21	11	28	5	16	0.9	83	13
	NOVOSIBIRSK	21	10	31	2	16	-0.6	66	12
	BARNAUL	23	12	30	4	17	0.3	30	-23
	KHABAROVSK	25	17	29	9	21	1.9	86	-36
	VLADIVOSTOK	23	17	28	8	20	0.5	2	-151
	KIEV	23	15	31	11	19	0.4	50	-21
	LVOV	23	13	30	7	18	0.6	87	2
	KIROVOGRAD	25	14	30	9	19	-0.8	134	90

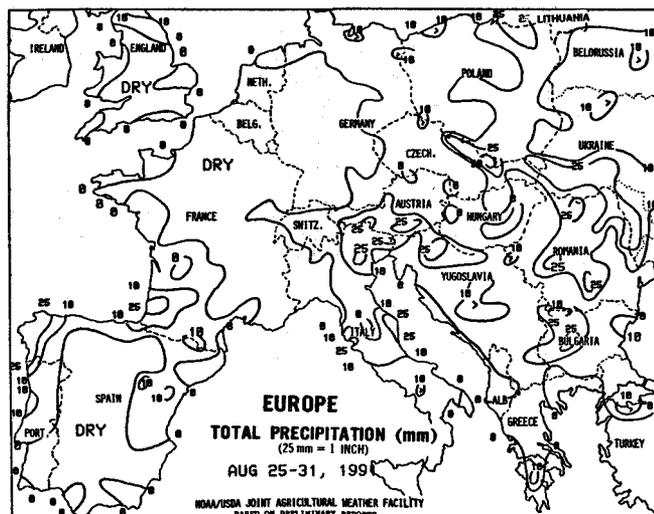
Based on Preliminary Reports

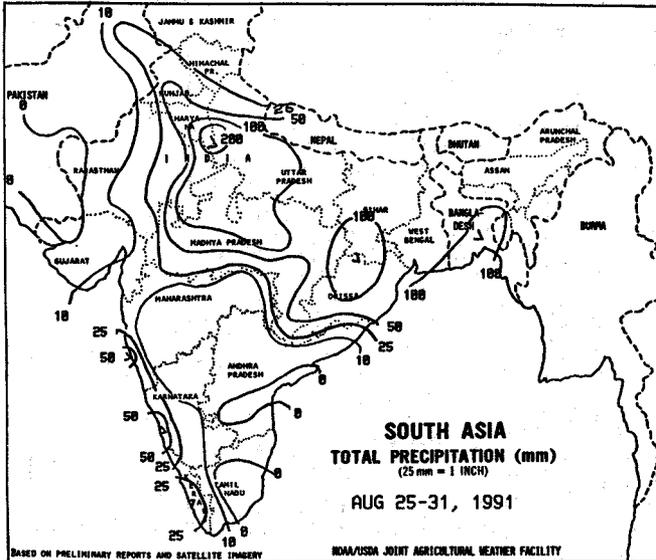


USSR ... In Western USSR, widespread light to moderate rain covered crop areas over most of the region. Rain (15-25mm, with local amounts in excess of 30mm) continued over northern Belorussia, the southern portion of the Central Region, Black Soils Region, and the Upper Volga. Although the moisture in these areas hampered soil preparation and winter grain planting, it provided abundant topsoil moisture. The optimum dates for planting winter grains is at the end of August and the beginning of September over the northern portion of the region and from mid to late September in the Ukraine and North Caucasus. Wet weather (15-45mm) over the southern Ukraine slowed corn and sunflower maturation. Weekly average temperatures were 1-3 degrees Celsius (C) below normal over the region.

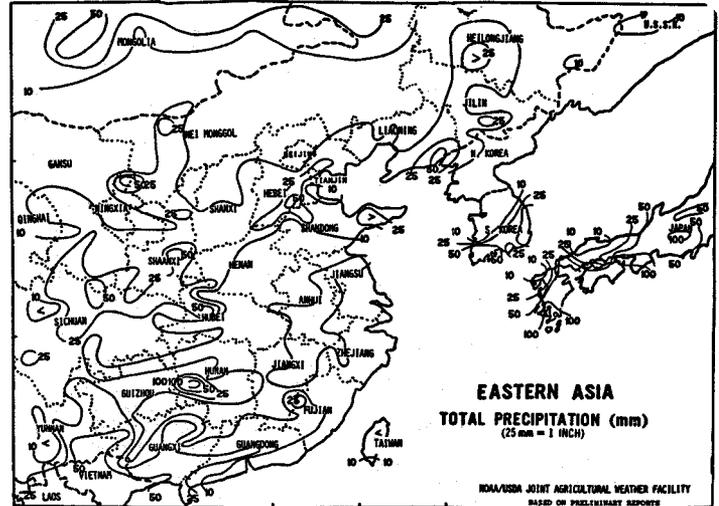
In the New Lands, most of the spring grain crop was still ripening, with harvest just beginning in the south. Although wet weather (10-50mm) in the northern Urals slowed crop maturation, dry weather over Kazakhstan and Western Siberia favored grain ripening and early harvest. Weekly average temperatures were 2-4 degrees C above normal in the west and 1-3 degrees C below normal in the east. Highest weekly temperatures ranged from 27 to 33 degrees C in Kazakhstan promoting rapid crop maturation, while temperatures ranged from 20 to 25 degrees C over the remainder of the region.

EUROPE ... Dry weather over much of Western Europe favored maturation and harvesting of small grains. Mostly light showers (4-16mm) in southwestern France, with isolated heavier amounts (25-44mm), benefited immature corn and other summer crops. Showers increased along the western coast of the Iberian peninsula, but well above-average temperatures (4-8 degrees C above normal) in Spain and France maintained high evapotranspiration rates. Midweek high temperatures in the low to mid thirties gave way to welcomed cooler weather by week's end in southwestern Europe. In eastern Europe, light showers (10mm or less) caused little fieldwork delay in most areas. Heavier showers (25-77mm) from eastern Poland to Romania slowed harvest activities but kept topsoils moist for late-summer crop development and early-autumn sowing. Weekly temperatures continued to follow a below-average trend, slowing crop development behind the average pace.



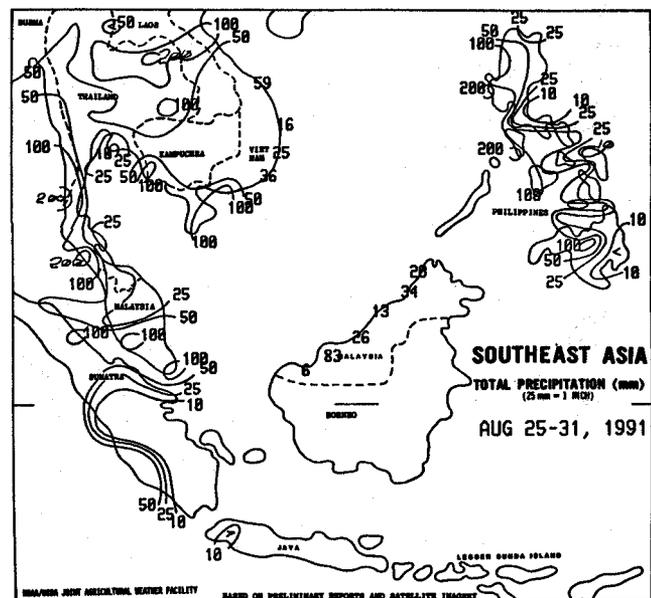


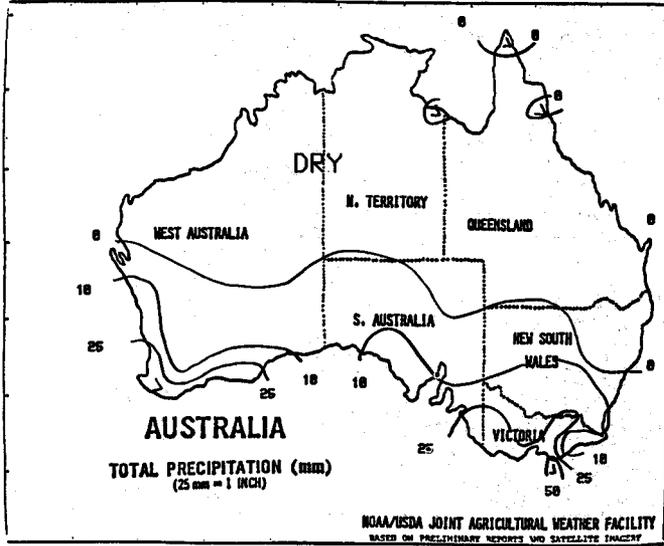
SOUTH ASIA ... Seasonable showers (50-100mm or more) maintained favorable moisture reserves in most grains and oilseed regions of central, northern, and eastern India. However, unseasonably dry weather continued for the fourth week over groundnut and cotton regions of Gujarat, reducing available moisture for late-planted, immature crops. Scattered showers (15-44mm) helped local crop areas of northern Pakistan and India's Punjab state. The southwest monsoon usually begins its seasonal withdrawal from Pakistan and northwestern India in September, marking the end of the summer wet season in that region. This season's late monsoon onset in the north and northwest, which resulted in grain and oilseed planting delays, does not suggest either a late or early withdrawal. In the southern interior, dry weather returned to most summer crop areas, reducing moisture for immature crops.



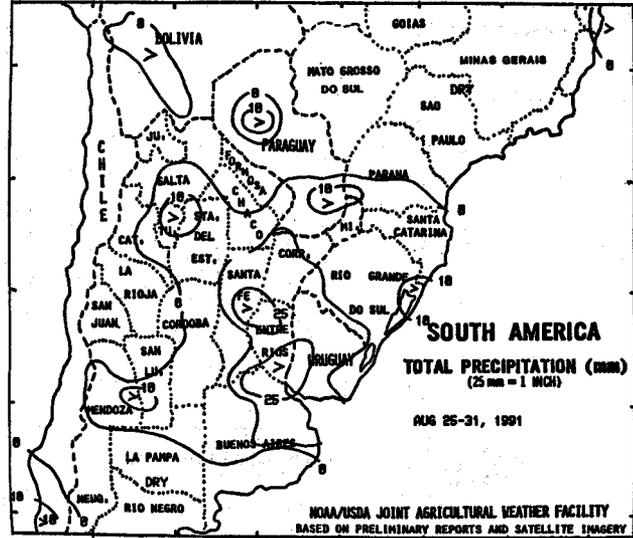
EASTERN ASIA ... Scattered showers (11-32mm) fell across Manchuria, where corn and soybeans were maturing. Light to moderate rain (15-54mm) covered the North China Plain, which delayed corn harvesting but favored maturing soybeans. Mostly dry conditions again prevailed throughout the lower Yangtze Valley, aiding corn harvesting and immature late double-crop rice. However, dryness returned to Jiangxi and Zhejiang, where moisture is limited for immature crops. Widespread showers (20-50mm) covered southern China benefiting late double-crop rice, which will need clear skies in the weeks ahead.

SOUTHEAST ASIA ... Seasonably heavy showers (50-212mm) continued over most primary rainfed rice areas of Thailand, increasing moisture for immature crops but causing more local flooding, especially along the Mekong River. Moderate to heavy showers (50-100mm or more) continued elsewhere in Indochina, with local inundating rains (200mm or more) reported along the Malay Peninsula. In the Philippines, scattered showers (25-150mm) returned to crop regions of the central and southern islands, benefiting immature rice and improving moisture reserves for secondary plantings. Seasonably heavy showers (72-152mm) kept western Luzon unfavorably wet.

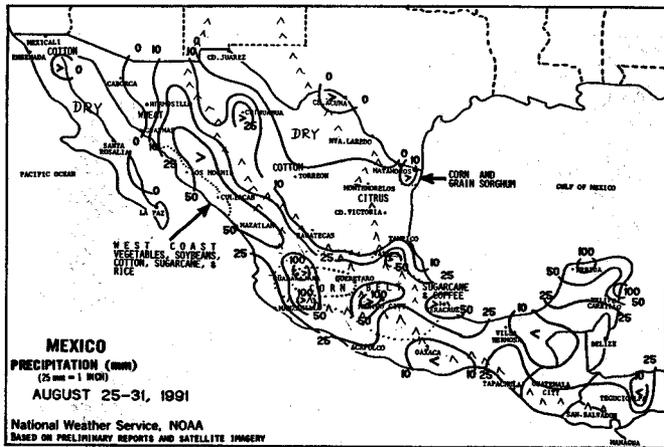




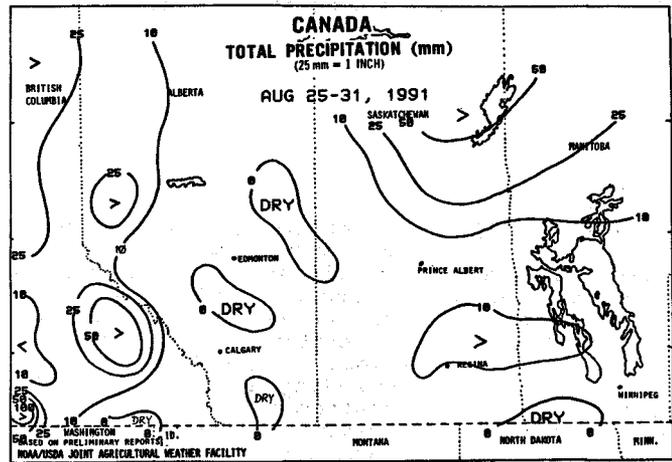
AUSTRALIA ... Queensland and northern New South Wales remained dry last week. These areas have not received significant rains since the end of July. Rain is needed for vegetative wheat growth and development. The areas affected encompasses about 10-20 percent of the total Australian winter wheat production. Elsewhere, light to moderate rain (10-30mm) covered the rest of New South Wales, Victoria, and South and Western Australia, favoring winter grain growth and development.



SOUTH AMERICA ... In Argentina, light to moderate showers (11-33mm) covered southern Santa Fe, Entre Rios, and northern and central Buenos Aires, aiding vegetative winter wheat. However, southern Buenos Aires did not receive significant rains. Temperatures ranged from 3 to 4 degrees C above normal. In southern Brazil, only light rains (less than 10mm) fell where topsoil moisture is needed for corn planting.



MEXICO ... Moderate to heavy rain (35-118mm) covered the Southern Plateau Corn Belt, delaying corn harvesting. Drier weather prevailed across the north-central rangeland favoring cotton harvesting. Moderate rains again fell in the west coast crop areas aiding irrigation levels but delayed summer crop harvesting.



CANADA ... Scattered showers (5-18mm) caused some grain harvest delays over east-central Saskatchewan and western Manitoba but late-week dry weather favored crop drydown. Seasonably drier weather (rainfall totaling 5mm or less) returned to northwestern grain and oilseed areas. Temperatures averaged from 2 degrees C above normal in northern Alberta to 6 degrees C above normal in southern Manitoba favoring crop maturation and, in northern districts, enhancing growth of late-planted, immature crops.

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U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor *Douglas Le Comte*
Meteorologists *Brad Rippey* (202)382-1444
Vilhelm Bjerknes, Wes Byrd, and Monica Pogue.

Subscriptions (202) 447-7917 . . . *Joyce Houston*

U.S. DEPARTMENT OF AGRICULTURE

Economics Management Staff
Editor *Sharon Lee*
National Agricultural Statistics Service
Agricultural Statistician . . . *Martin Owens* (202) 447-2157
World Agricultural Outlook Board
Agricultural Weather Analysts . . *Ray Motha* (202) 447-9805
Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.

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

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