

WEEKLY WEATHER AND CROP BULLETIN

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

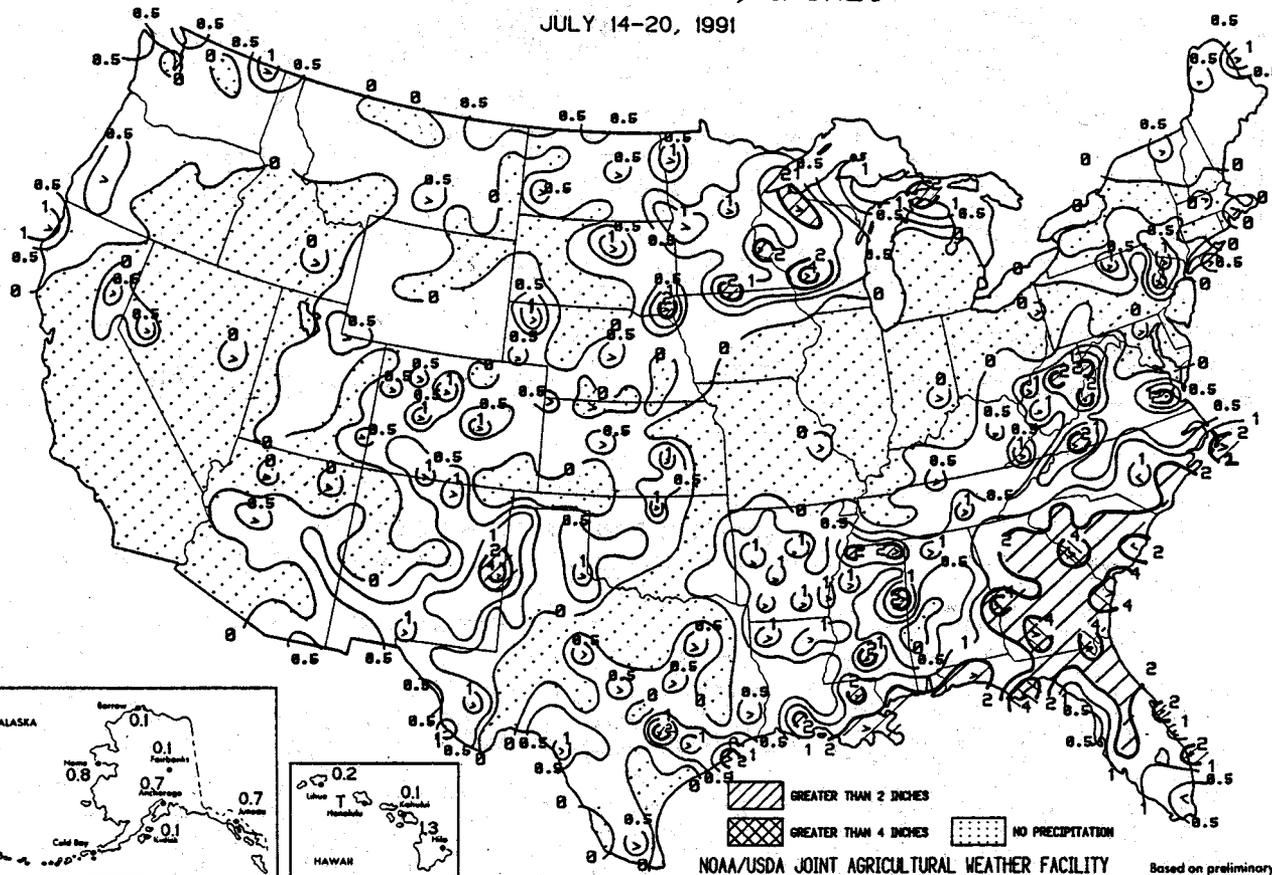
U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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July 23, 1991

TOTAL PRECIPITATION, INCHES
JULY 14-20, 1991



HIGHLIGHTS

July 14 - 20, 1991

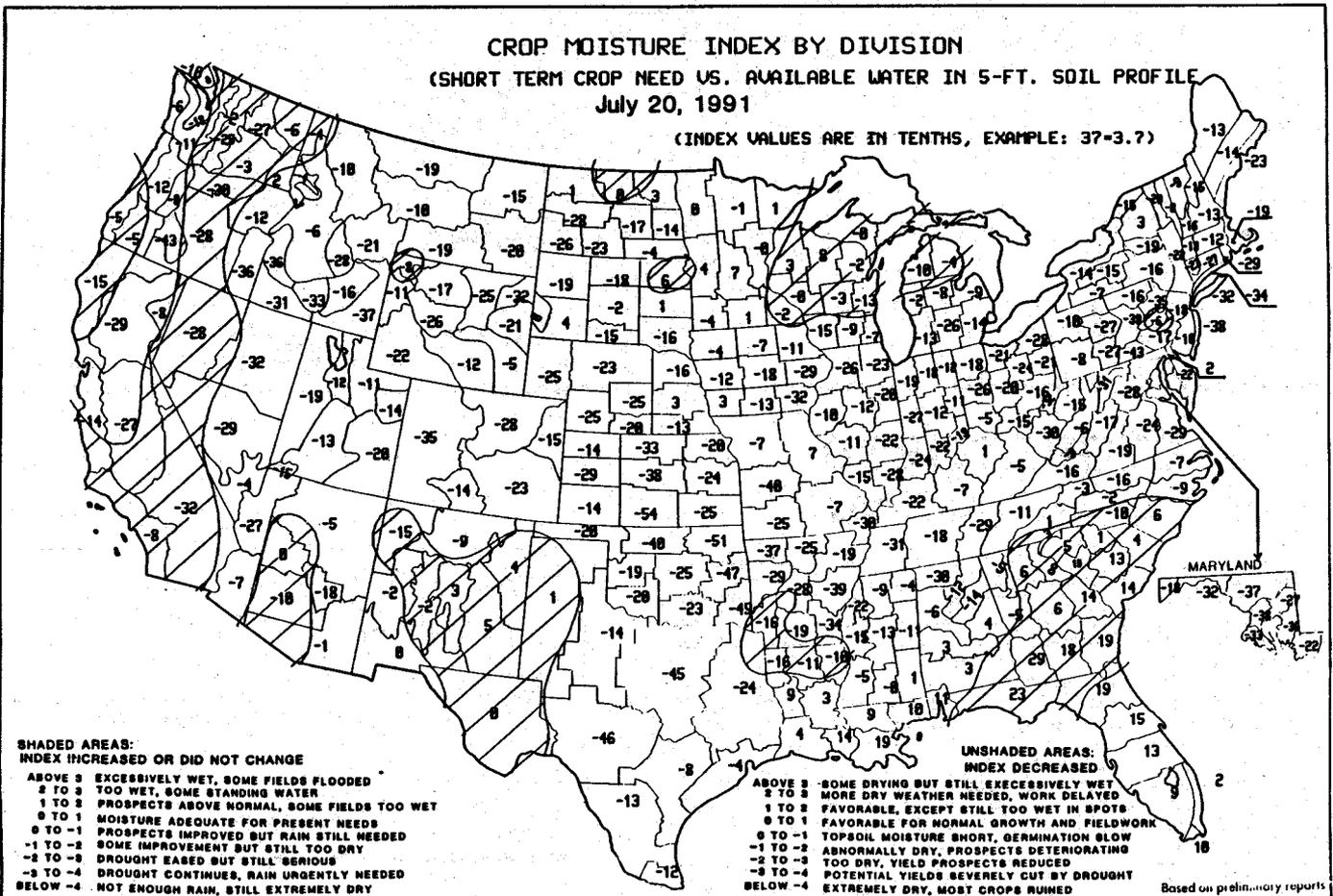
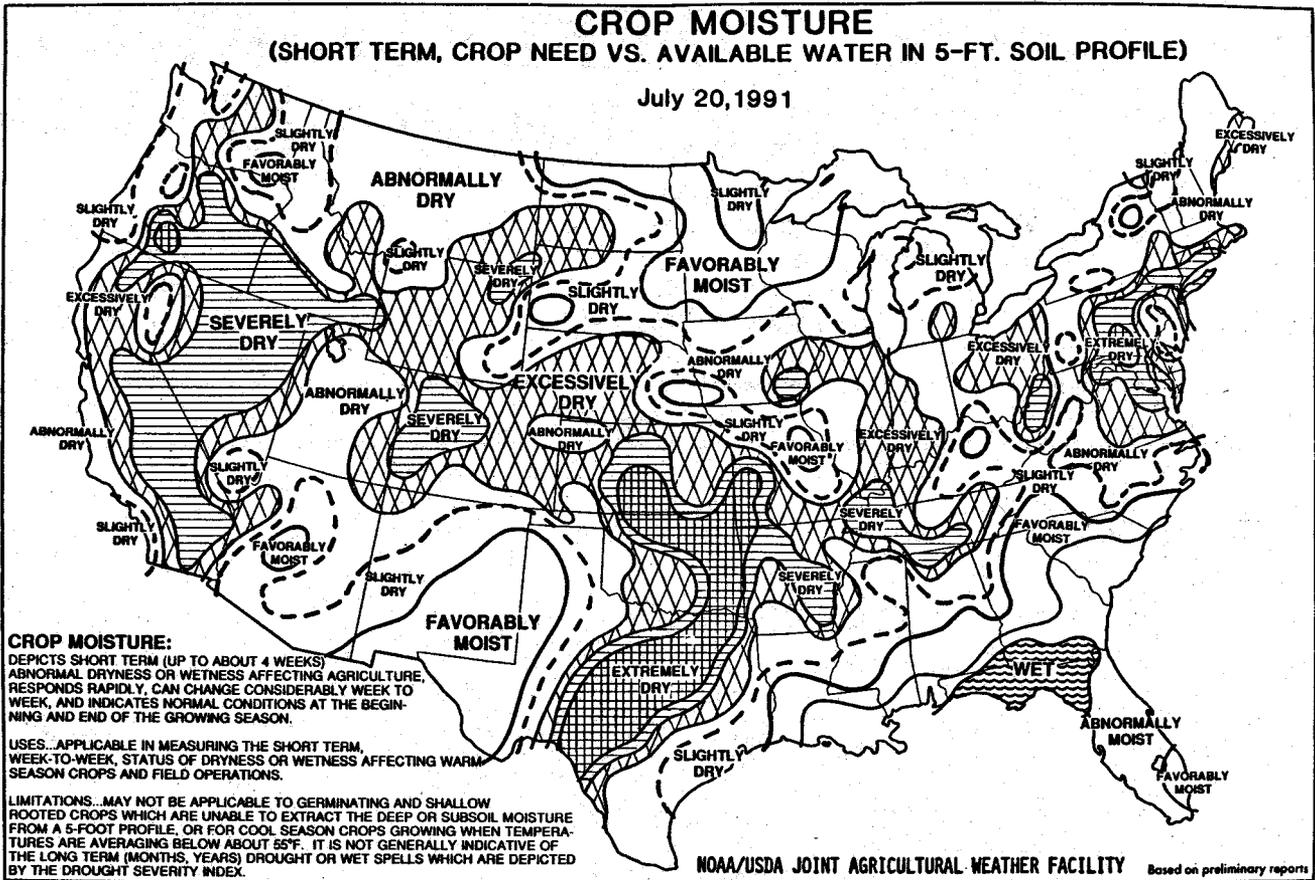
A large section of the Nation from the east-central Plains to southern New England received little or no rain. In addition, a sweltering airmass took hold over the Plains early in the week and plowed eastward, pushing temperatures above 90° F in most locations east of the Rockies. Pesky thunderstorms caused local flooding in the Southeast, and scattered storms traversed the northern border States. Early-week thunderstorms diminished over eastern New Mexico, but not before dumping up to 6 additional inches of rain on swollen river basins near Roswell, NM. From Monday onward, temperatures soared in the Nation's interior. Worland, WY, reached 105° F on Monday, and Bismarck, ND, topped out at 104° F on Wednesday. Many locations from the central Plains eastward closed the week with 5 consecutive 90°+ days. In Sault Ste Marie, MI,

(Continued to back cover)

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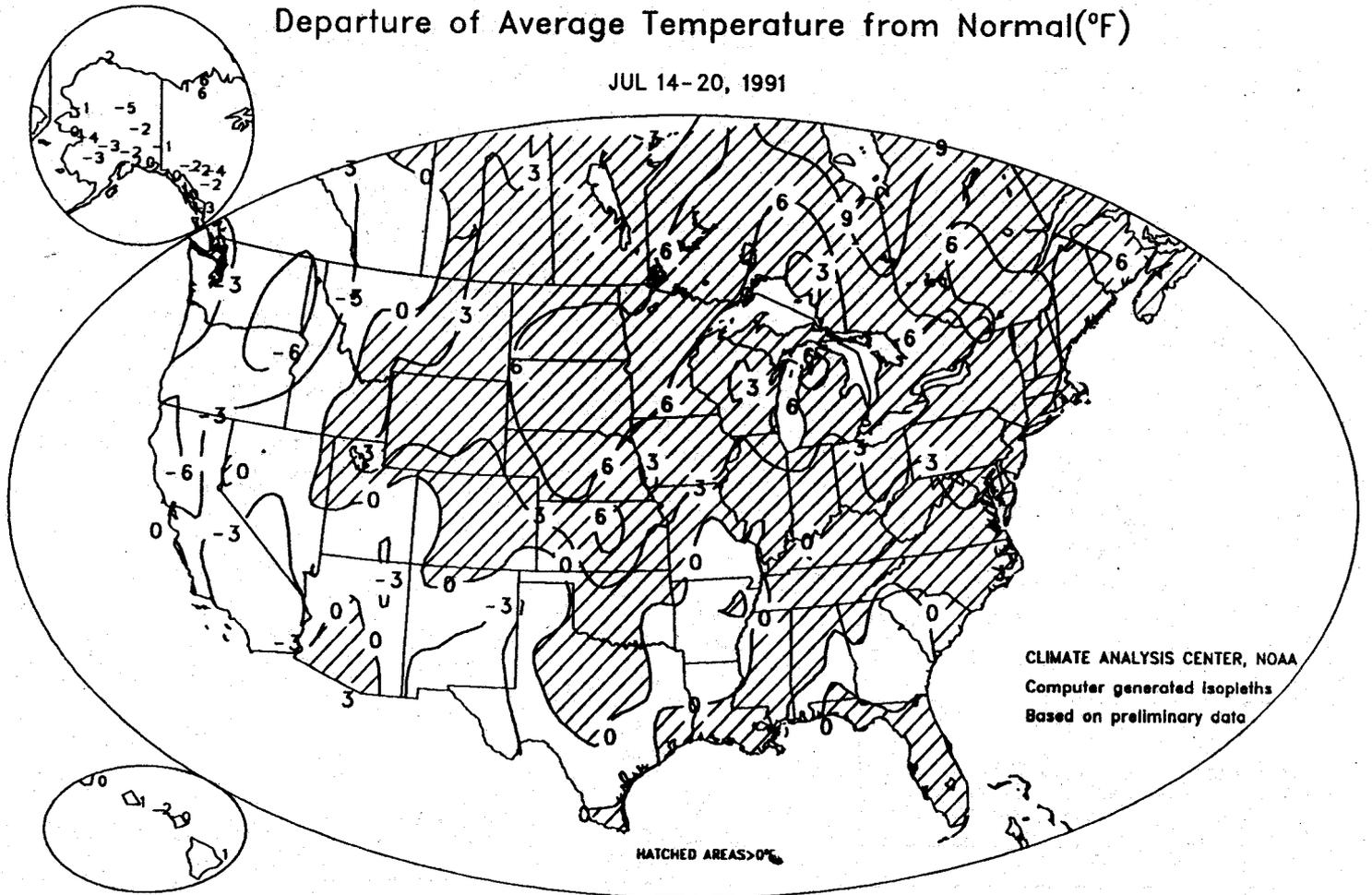
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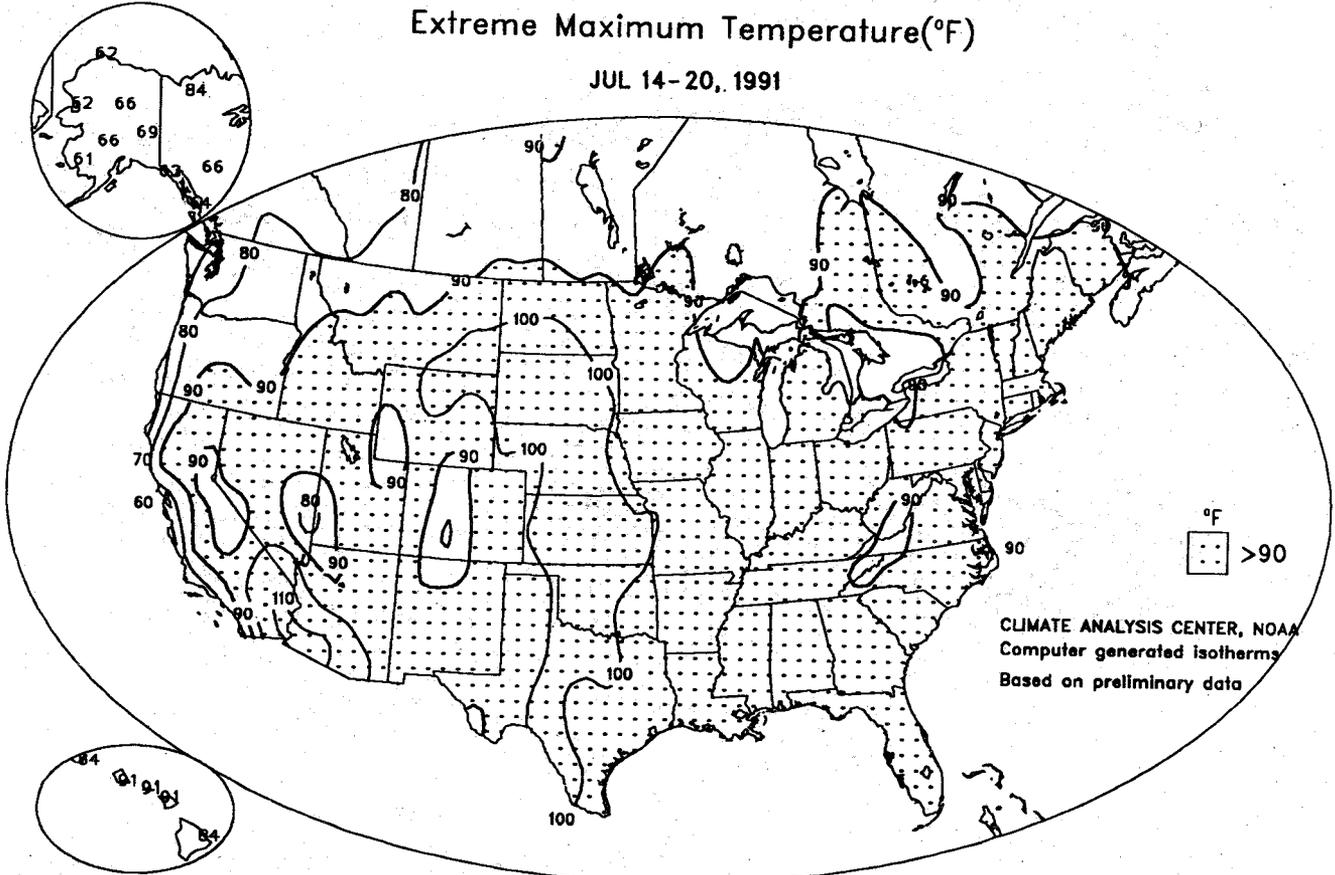
Departure of Average Temperature from Normal(°F)

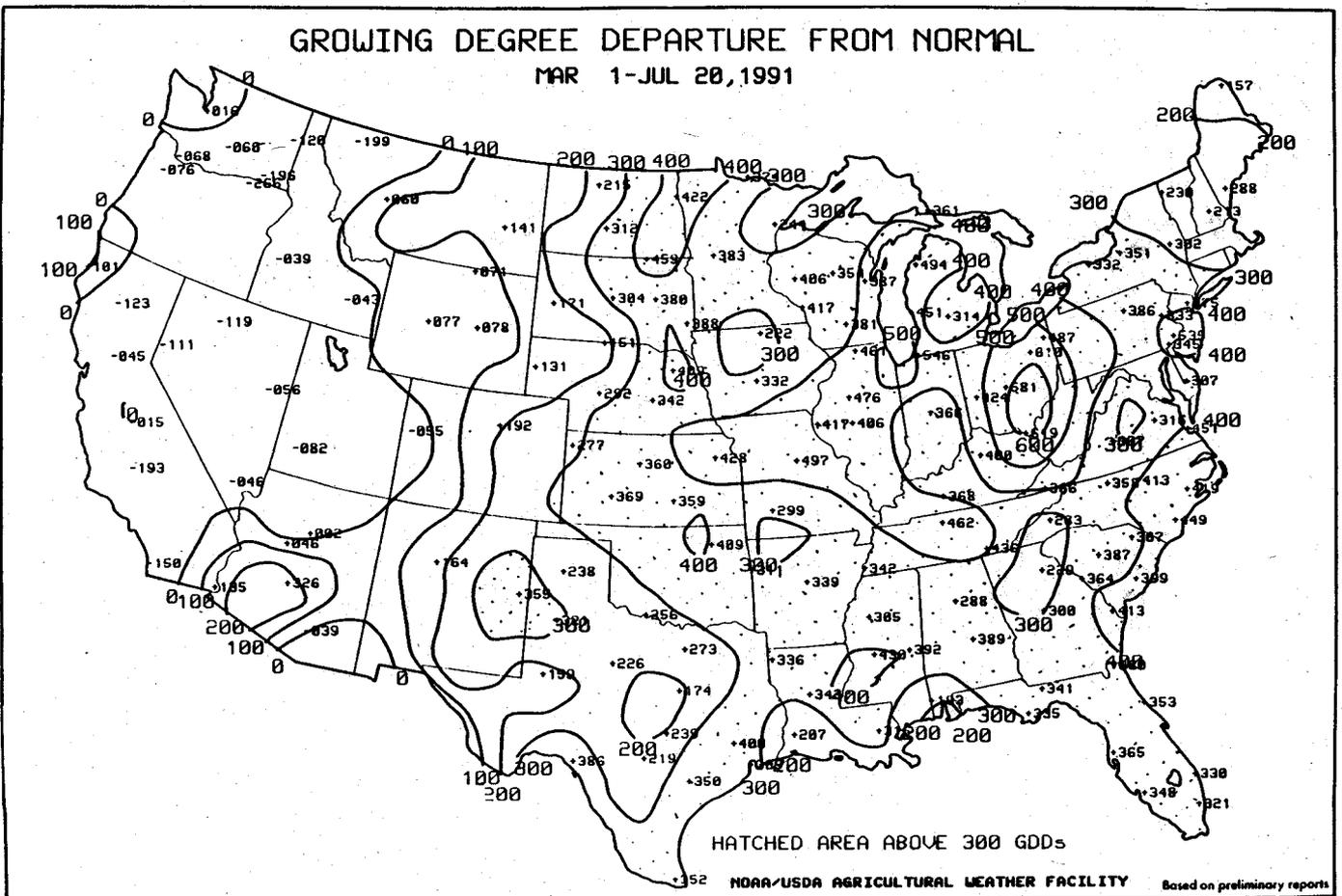
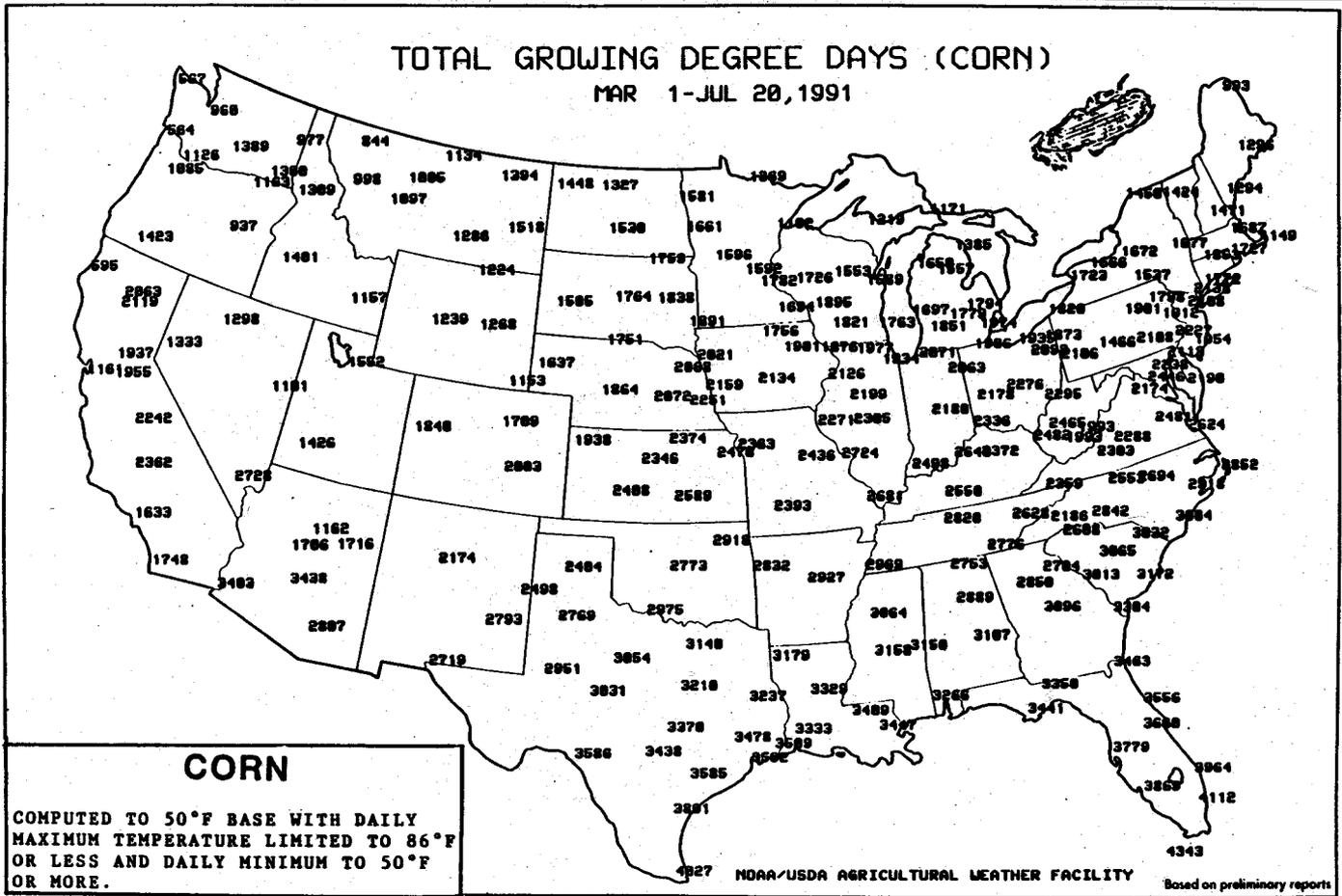
JUL 14-20, 1991



Extreme Maximum Temperature(°F)

JUL 14-20, 1991





National Weather Data for Selected Cities

Weather Data for the Week Ending July 20, 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	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
AL BIRMINGHAM	90	70	94	68	80	0	T	-1.2	T	8.3	118	34.5	104	96	50	6	0	0	1	0		
MOBILE	91	73	96	71	82	0	T	-1.2	T	11.8	118	61.5	168	95	56	5	0	0	2	1		
AK ANCHORAGE	63	50	67	47	57	0	T	-1.0	T	10.4	159	48.1	163	96	57	5	0	0	5	0		
BARROW	50	34	62	30	42	0	T	-1.2	T	2.6	112	4.6	80	94	57	0	0	3	3	0		
FAIRBANKS	70	48	73	46	59	0	T	-1.1	T	.2	18	.6	34	94	66	0	0	3	3	0		
JUNEAU	61	50	73	47	55	0	T	-1.2	T	.8	35	4.5	98	92	43	0	0	0	2	0		
KODIAK	60	47	64	44	54	0	T	-1.2	T	106	106	30.0	134	96	71	0	0	0	6	0		
Nome	57	46	61	39	52	0	T	-1.1	T	9.7	154	49.0	164	92	66	0	0	0	1	0		
AZ PHOENIX	106	84	109	72	95	0	T	-1.1	T	3.1	127	6.2	115	91	63	0	0	0	2	0		
PRESCOTT	87	62	92	57	75	0	T	-1.1	T	.1	18	3.3	110	34	15	5	0	1	1	0		
TUCSON	101	77	104	73	89	0	T	-1.1	T	.9	39	7.1	84	50	23	7	0	1	1	0		
TUMA	107	82	110	77	94	0	T	-1.6	T	.5	27	3.9	93	46	17	7	0	0	0	0		
AR FORT SMITH	96	68	99	62	82	0	T	-1.2	T	.0	0	1.8	193	37	13	7	0	0	1	0		
LITTLE ROCK	93	71	96	68	82	0	T	-1.2	T	2.9	51	20.7	90	89	32	7	0	2	2	0		
CA BAKERSFIELD	93	65	97	62	79	0	T	-1.0	T	4.4	73	29.7	102	78	52	7	0	2	2	0		
KUREKA	63	53	68	51	58	0	T	-1.1	T	0	0	4.6	118	58	22	7	0	0	0	0		
FRESNO	93	64	96	62	79	0	T	-1.0	T	232	17.4	78	95	71	0	0	0	3	1	0		
LOS ANGELES	72	62	73	61	67	0	T	-1.1	T	.2	>1000	8.0	97	88	62	0	0	1	0	0		
REDDING	92	65	100	62	79	0	T	-1.0	T	.1	14	17.3	70	71	26	5	0	1	0	0		
SACRAMENTO	87	58	94	56	73	0	T	-1.5	T	.5	392	10.7	100	93	37	2	0	0	0	0		
SAN DIEGO	71	63	73	61	67	0	T	-1.0	T	.5	>1000	10.5	163	82	63	0	0	0	0	0		
SAN FRANCISCO	70	56	72	54	63	0	T	-1.0	T	.1	92	11.0	89	93	58	0	0	0	0	0		
CO DENVER	93	60	97	57	77	0	T	-1.1	T	3.5	125	9.5	101	74	18	6	0	2	0	0		
GRAND JUNCTION	92	66	99	60	79	0	T	-1.1	T	.7	104	3.5	89	56	22	5	0	2	0	0		
PUEBLO	96	61	100	55	79	0	T	-1.4	T	3.5	154	5.9	100	77	18	6	0	2	0	0		
CT BRIDGEPORT	91	69	96	62	80	0	T	-1.8	T	2.7	53	18.4	82	77	37	5	0	1	0	0		
HARTFORD	93	65	100	56	79	0	T	-1.7	T	3.1	58	20.6	88	85	29	5	0	0	0	0		
DC WASHINGTON	94	73	99	68	84	0	T	-1.9	T	2.8	48	13.9	66	77	35	6	0	0	0	0		
FL APALACHICOLA	89	74	96	73	82	0	T	7.7	6.0	4.1	18.7	202	74.7	280	99	66	1	0	5	3		
DAYTONA BEACH	92	73	93	72	82	0	T	2.0	.8	1.1	21.4	214	45.8	190	97	58	7	0	3	2		
JACKSONVILLE	94	73	97	70	83	0	T	3.1	1.7	1.8	24.4	251	59.2	220	97	55	7	0	5	2		
KEY WEST	92	80	94	77	86	0	T	1.1	.3	.8	9.5	129	24.5	143	81	60	7	0	3	1		
MIAMI	91	79	92	73	85	0	T	.3	-1.0	.3	11.5	87	25.1	87	86	60	7	0	3	0		
ORLANDO	92	74	93	71	83	0	T	1.4	-1.4	.5	15.1	123	42.3	158	97	55	6	0	6	1		
TALLAHASSEE	91	73	97	70	82	0	T	1.9	-1.1	.9	14.4	118	62.4	171	99	65	3	0	5	2		
TAMPA	90	74	93	74	82	0	T	.2	-1.5	.1	10.4	106	26.4	112	95	57	5	0	2	0		
WEST PALM BEACH	91	76	93	73	83	0	T	2.5	1.2	1.8	12.4	103	49.6	170	92	63	5	0	2	2		
CA ATLANTA	87	72	94	70	79	0	T	3.2	2.1	2.5	13.7	213	41.1	137	98	64	2	0	3	2		
AUGUSTA	89	70	98	69	80	0	T	4.4	3.4	2.1	13.1	197	40.0	151	99	67	2	0	5	3		
MACON	89	72	95	70	80	0	T	1.6	.6	1.1	8.3	125	37.7	136	98	63	3	0	5	1		
SAVANNAH	90	72	98	69	81	0	T	6.7	5.0	2.1	14.8	142	47.2	167	96	64	2	0	6	4		
HI HILO	84	70	85	66	77	0	T	1.3	-1.7	.7	15.8	139	85.9	122	94	65	0	0	6	1		
HONOLULU	89	74	91	73	81	0	T	.1	-1.1	.4	45	10.9	81	79	45	1	0	0	0	0		
KAHULUI	87	70	91	65	78	0	T	.1	.0	.1	2	35	8.0	69	87	53	1	0	1	0		
LIHUE	83	74	84	72	79	0	T	.2	-1.3	.2	4.0	137	19.5	83	85	65	0	0	2	0		
ID BOISE	92	58	95	53	75	0	T	.0	.0	.6	58	5.9	82	60	18	5	0	2	0	0		
LEWISTON	80	55	87	52	67	0	T	.3	.2	.2	2.2	122	8.3	108	80	31	0	0	3	0		
POCATELLO	88	55	96	52	72	0	T	.1	.0	.1	.7	49	9.5	145	67	23	3	0	1	0		
IL CHICAGO	91	66	99	54	78	0	T	.0	-1.1	.0	1.6	25	16.4	87	81	36	4	0	0	0		
MOLINE	91	64	97	57	78	0	T	.0	-1.1	.0	1.6	21	17.1	80	91	40	4	0	0	0		
PEORIA	89	64	94	58	76	0	T	.0	-1.0	.0	1.7	27	16.1	80	94	40	4	0	0	0		
QUINCY	87	67	91	63	77	0	T	.0	-1.0	.0	3.0	43	20.9	100	80	46	3	0	0	0		
ROCKFORD	90	63	98	52	77	0	T	.0	-1.0	.0	4.0	53	15.2	74	89	38	3	0	0	0		
SPRINGFIELD	87	65	91	59	76	0	T	.0	-1.0	.0	4.1	71	18.1	93	92	47	2	0	0	0		
IN EVANSVILLE	90	66	93	63	78	0	T	.0	-1.0	.0	3.2	53	19.2	76	96	45	5	0	0	0		
FORT WAYNE	88	63	93	58	76	0	T	.0	-1.0	.0	4.2	72	24.0	121	88	41	2	0	0	0		
INDIANAPOLIS	88	65	92	61	76	0	T	.0	-1.0	.0	3.1	45	22.0	97	91	43	2	0	0	0		
SOUTH BEND	90	65	96	57	78	0	T	.0	-1.0	.0	1.5	24	16.4	80	85	38	4	0	0	0		
IA DES MOINES	92	69	95	62	80	0	T	.1	-1.0	.0	3.4	55	23.9	136	79	41	4	0	0	0		
SIOUX CITY	91	69	95	57	80	0	T	.1	-1.0	.0	6.0	97	16.2	107	87	50	5	0	2	0		
WATERLOO	91	66	98	53	79	0	T	.1	-1.1	.0	2.8	38	24.1	127	89	41	4	0	1	0		
KS CONCORDIA	101	73	105	58	87	0	T	.0	-1.1	.0	4.4	68	12.3	77	66	26	7	0	0	0		
DODGE CITY	97	70	104	62	84	0	T	.0	-1.1	.0	1.3	27	5.9	47	76	27	6	0	0	0		
GOODLAND	94	65	99	61	79	0	T	.0	-1.1	.0	6.9	161	13.3	131	80	31	5	0	1	0		
TOPEKA	95	68	100	61	82	0	T	.0	-1.1	.0	2.0	26	16.5	87	80	36	6	0	0	0		
WICHITA	101	73	106	66	87	0	T	.0	-1.1	.0	2.3	35	10.0	61	73	28	7	0	1	0		
KY BOWLING GREEN	88	68	96	65	85	0	T	.4	-1.6	.4	5.5	74	28.9	97	96	57	3	0	1	0		
LEXINGTON	87	67	91	63	77	0	T	.0	-1.1	.0	6.4	85	25.3	92	95	51	2	0	0	0		
LOUISVILLE	92	70	95	65	81	0	T	.0	-1.0	.0	4.2	67	22.7	88	87	40	5	0	0	0		
LA ALEXANDRIA	93	73	94	69	83	0	T	.2	-1.0	.1	6.5	97	53.6	170	92	44	7	0	2	0		
BATON ROUGE	94	74	95	72	84	0	T	.2	-1.5	.2	9.7	128	50.2	157	93	47	7	0	1	0		
LAKE CHARLES	93	74	95	71	83	0	T	.1	-1.1	.1	8.9	120	49.6	178	96	50	7	0	2	0		
NEW ORLEANS	94	75	98	72	84	0	T	2.8	1.3	1.6	20.7	234	81.2	244	96	49	7	0	3	2		

Based on 1951-80 normals

Weather Data for the Week Ending July 20, 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		
SHREVEPORT	95	70	99	66	82	-1	.8	-1	.4	4.4	76	52.7	199	92	43		7	0	2	0		
ME CARIBOU	84	60	95	50	72	7	.1	-1	.0	2.3	40	16.3	91	91	43		2	0	2	0		
PORTLAND	88	63	95	57	76	7	T	-1	.0	2.7	55	24.1	104	83	40		2	0	1	0		
MD BALTIMORE	94	69	99	62	81	4	.0	-1	.0	1.8	29	14.6	65	84	33		5	0	0	0		
SALISBURY	89	66	94	58	78	1	.0	-1	.0	5.7	92	23.3	99	97	49		2	0	0	0		
MA BOSTON	91	71	99	64	81	7	T	-1	.0	3.5	77	18.4	78	76	34		5	0	0	0		
CHATHAM	81	66	83	62	73	5	T	-1	.0	2.1	45	17.4	70	94	65		0	0	0	0		
MI ALPENA	86	59	93	50	73	6	1.1	-1	.4	1.1	4.4	86	17.7	116	93	40		1	0	2	1	
DETROIT	90	65	96	56	78	5	.0	-1	.0	2.7	50	15.4	89	82	38		4	0	0	0		
FLINT	87	64	94	54	76	5	.0	-1	.0	4.8	97	17.2	108	90	44		3	0	0	0		
GRAND RAPIDS	88	64	94	54	76	4	T	-1	.0	3.3	59	18.9	104	87	40		3	0	0	0		
HOUGHTON LAKE	86	61	90	46	73	6	.0	-1	.0	2.8	55	17.4	117	83	44		2	0	0	0		
LANSING	88	62	94	50	75	5	.0	-1	.0	3.9	69	15.9	98	95	46		3	0	0	0		
MARQUETTE	84	57	91	46	70	6	1.6	-1	.9	1.0	6.7	111	19.2	95	88	49		1	0	3	1	
MUSKOGON	83	64	90	51	74	3	.0	-1	.0	5.8	145	19.4	120	89	52		1	0	0	0		
SAULT ST. MARIE	85	54	93	48	69	6	1.2	-1	.7	3.2	61	14.0	86	95	46		1	0	3	1		
MN ALEXANDRIA	88	67	94	59	78	7	1.1	-1	.7	8.5	140	18.3	132	88	51		3	0	3	1		
DULUTH	83	60	92	50	72	6	1.3	-1	.9	8.1	126	20.4	131	92	51		2	0	2	1		
INT'L FALLS	87	62	94	56	75	8	.4	-1	.3	8.2	133	17.6	137	91	44		3	0	3	1		
MINNEAPOLIS	88	69	94	60	79	5	1.0	-1	.2	4.7	74	18.4	124	84	50		2	0	3	1		
ROCHESTER	86	64	90	51	75	4	1.0	-1	.6	5.4	88	18.5	120	91	56		2	0	2	1		
MS GREENWOOD	94	71	96	69	82	0	.3	-1	.2	5.1	80	44.3	136	94	48		7	0	3	1		
JACKSON	94	71	96	70	83	1	.1	-1	.1	6.0	99	46.8	149	99	49		7	0	1	0		
MERIDIAN	93	72	96	69	83	1	.1	-1	.0	4.8	68	45.2	138	91	46		7	0	0	0		
MO CAPE GIRARDEAU	91	69	95	65	80	0	.0	-1	.0	3.1	53	22.5	86	89	39		5	0	0	0		
COLUMBIA	90	65	96	63	78	0	.0	-1	.0	5.1	89	17.5	83	89	42		4	0	0	0		
KANSAS CITY	96	71	101	63	84	3	.0	-1	.0	3.6	49	16.3	80	73	36		6	0	0	0		
SAINT LOUIS	92	72	95	67	82	3	.0	-1	.0	5.5	90	18.4	91	77	39		5	0	0	0		
SPRINGFIELD	90	67	95	63	79	0	.0	-1	.0	3.0	42	18.8	83	83	37		4	0	0	0		
MT BILLINGS	90	61	98	56	75	2	1.0	-1	.8	6.6	250	14.7	153	72	27		3	0	2	1		
GLASGOW	89	62	96	56	75	4	.6	-1	.3	5.4	147	9.1	132	86	27		4	0	5	0		
GREAT FALLS	85	51	92	44	68	0	.1	-1	.1	4.8	135	9.9	98	83	26		1	0	2	0		
HAVRE	86	54	91	46	70	0	.1	-1	.1	1.5	49	7.9	105	83	26		1	0	0	0		
HELENA	87	54	92	49	71	2	.1	-1	.1	3.6	133	7.3	100	78	25		3	0	2	0		
KALISPELL	77	46	85	38	62	-4	.1	-1	.1	4.0	139	10.1	110	97	37		0	0	1	0		
MILES CITY	94	65	102	60	80	4	.2	-1	.2	6.7	175	14.5	156	72	33		6	0	1	0		
MISSOULA	83	50	92	43	66	-2	.1	-1	.1	3.0	125	7.7	96	88	28		1	0	2	0		
NE GRAND ISLAND	94	68	102	59	81	4	T	-1	T	10.7	195	22.1	151	87	40		5	0	1	0		
LINCOLN	96	69	100	57	82	4	T	-1	T	7.6	128	16.8	104	79	37		6	0	1	0		
NORFOLK	94	70	99	54	82	6	.4	-1	.4	7.6	117	21.2	140	82	42		5	0	3	0		
NORTH PLATTE	96	68	100	60	82	7	.0	-1	.0	3.0	51	12.9	100	80	30		7	0	0	0		
OMAHA	91	72	94	64	81	3	.1	-1	.1	9.8	152	24.6	143	74	53		5	0	2	0		
SCOTT'SBLUFF	98	60	102	58	79	4	.1	-1	.1	4.4	102	11.3	110	87	20		7	0	2	0		
VALENTINE	96	66	101	61	81	6	.0	-1	.0	6.7	146	16.7	153	76	29		7	0	0	0		
NV RLY	88	51	91	45	69	1	T	-1	T	.5	40	5.8	107	49	17		2	0	1	0		
LAS VEGAS	103	78	105	68	90	-1	.0	-1	.0	.3	4	2.1	103	26	12		7	0	0	0		
RENO	88	53	92	50	71	1	T	-1	T	.4	92	3.1	68	65	16		2	0	1	0		
WINNEMUCCA	91	54	93	46	73	0	.1	-1	.1	.6	61	4.6	97	49	12		6	0	1	0		
NH CONCORD	91	57	98	50	74	4	T	-1	T	2.7	55	14.1	74	96	36		4	0	0	0		
NJ ATLANTIC CITY	91	67	97	58	79	4	.0	-1	.0	4.6	89	20.4	92	97	43		4	0	0	0		
NM ALBUQUERQUE	90	64	95	62	77	-2	.3	-1	.0	1.0	82	3.0	89	76	28		5	0	3	0		
CLOVIS	86	66	92	62	76	-2	4.6	-1	4.6	10.3	231	12.3	139	81	37		1	0	1	1		
ROSWELL	90	68	96	64	79	-2	1.3	-1	.9	1.0	7.3	362	8.9	206	85	36		4	0	3	1	
NY ALBANY	90	61	97	52	75	4	T	-1	T	2.6	50	15.8	83	94	38		4	0	0	0		
BINGHAMTON	87	61	93	54	74	5	.1	-1	.1	3.4	60	17.2	87	85	34		4	0	3	0		
BUFFALO	84	64	88	55	74	3	.0	-1	.0	3.6	81	22.7	121	86	46		0	0	0	0		
NEW YORK	94	74	101	70	84	7	T	-1	T	4.1	76	18.8	83	74	33		6	0	1	0		
ROCHESTER	88	64	96	56	76	4	.0	-1	.0	2.6	59	16.7	100	84	34		2	0	0	0		
SYRACUSE	90	63	96	54	76	5	.1	-1	.1	3.2	54	19.1	92	88	36		4	0	1	0		
NC ASHEVILLE	82	66	87	64	74	0	.6	-1	.5	7.8	127	26.6	107	98	57		0	0	3	0		
CHARLOTTE	89	72	93	69	80	1	1.2	-1	.3	3.8	63	26.7	106	88	51		3	0	3	1		
GREENSBORO	88	69	93	67	79	1	.1	-1	.1	4.1	62	28.1	118	88	50		2	0	1	0		
HATTERAS	87	75	93	70	81	3	2.1	-1	.8	1.6	8.5	111	31.0	112	92	63		1	0	4	1	
NEW BERN	90	73	98	71	82	2	.6	-1	.9	4	5.8	61	24.4	86	95	58		5	0	4	0	
RALEIGH	89	69	92	67	79	1	2.0	-1	1.7	9.0	141	22.4	95	94	54		2	0	2	1		
WILMINGTON	88	73	97	71	80	0	2.0	-1	.8	10.4	100	33.9	118	98	62		1	0	7	2		
ND BISMARCK	97	61	104	47	79	8	T	-1	T	3.2	74	9.2	95	83	24		6	0	1	0		
FARGO	88	65	94	60	76	5	.4	-1	.3	7.8	148	15.8	143	89	45		2	0	3	0		
GRAND FORKS	88	64	94	58	76	7	.9	-1	.2	5.2	108	13.5	134	91	40		3	0	1	1		
WILLISTON	91	61	98	55	76	5	.3	-1	.2	7.2	183	12.4	146	86	31		4	0	5	0		
OH AKRON-CANTON	90	63	96	55	77	5	.0	-1	.0	.9	15	12.5	61	85	30		5	0	0	0		
CINCINNATI	89	67	92	63	78	2	.0	-1	.0	3.8	55	23.9	99	88	39		4	0	0	0		
CLEVELAND	89	63	97	54	76	3	.0	-1	.0	2.0	35	17.6	89	87	36		4	0	0	0		
COLUMBUS	91	64	96	60	78	4	T	-1	T	4.7	71	19.5	90	88	34		5	0	1	0		

Based on 1951-80 normals

Weather Data for the Week Ending July 20, 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	MINIMUM	TEMP. °F		PRECIP.
													90 AND ABOVE					32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	88	64	93	58	76	2	.0	-.8	.0	4.8	80	24.2	116	84	36	3	0	0	0	
TOLEDO	90	63	94	55	77	0	.0	-.7	.0	1.9	35	15.3	86	88	35	4	0	0	0	
YOUNGSTOWN	88	59	95	50	74	0	.0	-.9	.0	4.6	76	15.4	73	93	34	3	0	0	0	
OK OKLAHOMA CITY	94	73	99	69	84	0	.4	-.3	.4	5.8	99	16.8	91	79	39	6	0	0	0	
TULSA	98	74	101	71	86	0	.0	-.8	.0	3.8	55	14.4	64	71	35	7	0	1	0	
OR ASTORIA	64	51	66	45	58	0	.1	-.1	.1	2.0	60	35.2	96	94	60	0	0	2	0	
BURNS	83	48	89	41	66	0	.0	-.1	.0	.6	76	4.1	73	67	19	0	0	0	0	
MEDFORD	83	56	90	52	69	0	.0	-.1	.0	1.6	199	10.2	99	93	33	1	0	0	1	
PENDLETON	78	53	88	50	66	0	.1	-.1	.1	2.3	266	8.7	129	67	28	0	0	3	2	
PORTLAND	76	56	82	53	66	0	.1	-.1	.1	2.3	134	20.6	105	90	44	0	0	1	0	
SALEM	77	52	83	44	64	0	.1	-.1	.1	1.7	114	21.3	99	93	43	0	0	2	2	
PA ALLENTOWN	90	64	96	58	77	0	.1	-.1	.1	5.2	87	18.9	80	90	37	4	0	1	0	
ERIE	85	66	89	58	75	0	.0	-.7	.0	4.2	69	16.0	80	83	43	0	0	1	0	
HARRISBURG	96	67	101	60	81	0	.0	-.7	.0	2.1	37	15.3	70	82	26	0	0	0	0	
PHILADELPHIA	91	72	97	67	82	0	.0	-.9	.0	6.8	107	20.4	90	84	40	5	0	0	0	
PITTSBURGH	88	63	94	53	76	0	.0	-.9	.0	6.6	111	19.9	92	85	35	3	0	0	0	
SCRANTON	91	62	96	54	77	0	.0	-.7	.0	2.3	40	13.6	73	79	29	5	0	0	0	
RI PROVIDENCE	93	67	101	60	80	0	.0	-.6	.0	1.8	38	22.2	93	87	32	5	0	1	0	
SC CHARLESTON	90	74	98	72	82	1	1.0	-.6	.7	10.6	94	34.0	116	90	60	5	0	6	1	
COLOMBIA	89	72	99	71	81	-1	3.0	1.7	1.4	14.4	184	41.0	142	95	56	2	0	5	3	
FLORENCE	89	73	97	72	81	-1	1.9	.6	.6	7.9	94	25.0	98	97	58	3	0	5	1	
GREENVILLE	87	70	95	68	79	0	2.1	1.1	1.4	4.1	56	28.9	96	94	58	4	0	5	1	
SD ABERDEEN	94	67	102	57	80	0	.2	-.3	.2	5.3	110	18.0	158	87	43	6	0	1	0	
HURON	96	68	102	59	82	8	.1	-.4	.1	6.0	124	16.9	143	82	36	6	0	2	0	
RAPID CITY	95	63	102	58	79	6	.2	-.3	.2	4.4	92	13.5	120	77	26	6	0	1	0	
SIoux FALLS	94	70	101	57	82	7	.8	-.2	.8	7.8	143	17.6	126	87	41	6	0	1	1	
TN CHATTANOOGA	89	72	92	69	80	1	.5	-.5	.2	6.7	106	35.4	114	94	56	3	0	4	0	
KNOXVILLE	88	69	90	67	79	1	.1	-.9	.1	8.7	128	31.7	111	95	54	2	0	3	0	
MEMPHIS	93	72	95	69	82	0	1.6	.7	1.1	3.1	50	40.4	129	85	45	7	0	2	2	
NASHVILLE	90	70	94	66	80	0	.1	-.7	.1	4.0	66	25.0	96	92	51	3	0	1	0	
TX ABILENE	98	73	100	72	86	1	.0	-.5	.0	8.3	213	14.4	115	70	25	7	0	0	0	
AMARILLO	89	64	95	62	76	-3	.4	-.2	.4	4.7	89	9.0	83	82	38	4	0	1	0	
AUSTIN	95	74	97	71	84	-1	.0	-.4	.0	5.5	129	27.5	159	92	42	7	0	0	0	
BEAUMONT	94	74	95	72	84	1	.2	-.2	.1	9.4	109	51.1	176	95	48	7	0	2	0	
BROWNSVILLE	94	76	96	72	85	1	.0	-.3	.0	2.4	67	18.8	177	95	50	7	0	0	0	
CORPUS CHRISTI	94	75	98	73	84	0	.0	-.5	.0	7.5	138	23.0	159	97	52	7	0	0	0	
DEL RIO	98	74	100	71	86	0	.0	-.4	.0	3.9	140	9.5	110	69	28	7	0	0	0	
EL PASO	90	67	98	64	79	-4	.6	.2	.5	1.8	115	3.4	110	86	37	4	0	2	1	
FORT WORTH	99	74	101	71	87	1	.0	-.5	.0	4.7	125	22.0	121	78	31	7	0	0	0	
GALVESTON	90	78	93	73	84	1	2.0	1.1	1.9	8.8	148	40.4	208	85	58	5	0	2	1	
HOUSTON	95	74	97	70	85	1	.0	-.8	.0	7.9	117	37.4	151	92	41	7	0	0	0	
LUBBOCK	94	70	98	65	82	2	.0	-.5	.0	6.9	159	10.6	109	76	32	6	0	1	0	
MIDLAND	94	69	98	67	81	0	.0	-.4	.0	5.4	215	8.0	117	80	32	6	0	0	0	
SAN ANGELO	97	71	101	69	84	0	.0	-.3	.0	4.4	166	9.0	99	78	27	7	0	0	0	
SAN ANTONIO	97	75	97	73	86	1	.0	-.4	.0	3.6	83	22.3	145	91	42	7	0	1	0	
VICTORIA	94	75	96	74	84	0	.1	-.5	.1	8.6	137	35.9	191	96	49	7	0	1	0	
WACO	100	73	101	70	86	0	.0	-.4	.0	4.4	118	18.5	103	90	31	7	0	0	0	
WICHITA FALLS	101	74	105	68	88	2	.0	-.4	.0	2.8	68	11.4	75	73	27	7	0	0	0	
UT CEDAR CITY	88	61	91	52	75	0	.0	-.3	.0	.7	61	4.6	86	40	17	3	0	0	0	
SALT LAKE CITY	94	70	99	62	82	4	.0	-.2	.0	1.3	91	9.6	102	53	21	6	0	0	0	
VT BURLINGTON	89	61	96	53	75	6	.6	-.2	.5	3.3	57	14.6	85	95	38	4	0	0	0	
VA NORFOLK	89	72	93	66	81	2	.3	-.9	.2	8.0	121	25.3	105	93	52	3	0	3	0	
RICHMOND	91	69	96	65	80	2	.8	-.3	.6	8.7	129	21.1	91	93	47	5	0	0	0	
ROANOKE	88	65	91	60	77	0	.1	-.7	.0	4.9	89	23.5	108	90	44	1	0	2	1	
WA QUILLAYUTE	64	50	67	42	57	-2	.7	-.1	.3	3.3	74	51.8	93	97	64	0	0	4	0	
SEATTLE-TACOMA	73	55	76	53	64	-1	.0	-.1	.0	1.3	70	23.0	117	89	46	0	0	4	0	
SPOKANE	76	52	84	48	64	-6	.3	.2	.2	1.4	92	9.2	98	82	32	0	0	2	0	
YAKIMA	82	53	88	44	67	-3	.1	-.1	.1	2.7	404	5.3	121	82	32	0	0	2	0	
WV BECKLEY	83	61	87	56	72	2	.3	-.8	.2	3.4	48	21.3	87	96	53	0	0	2	0	
CHARLESTON	89	65	94	57	77	2	.7	-.6	.7	4.3	65	21.0	86	96	41	4	0	1	1	
HUNTINGTON	91	66	96	60	79	3	.5	-.7	.5	3.1	48	21.6	90	94	38	5	0	1	0	
PARKERSBURG	90	65	94	56	77	2	.0	-.9	.0	5.4	84	21.7	97	93	37	5	0	0	0	
WI GREEN BAY	85	62	90	50	74	4	.8	-.1	.6	3.3	62	12.3	81	95	51	1	0	2	1	
LACROSSE	87	64	94	51	76	4	1.9	1.1	.8	3.9	60	20.4	121	93	50	3	0	3	3	
MADISON	89	68	97	59	79	8	.1	-.7	.1	5.4	91	19.4	111	89	47	2	0	0	0	
MILWAUKEE	84	61	89	50	73	3	1.9	1.0	1.4	8.5	133	22.1	132	96	52	0	0	3	1	
WAUSAU	93	60	99	54	77	3	.0	-.2	.0	1.7	90	9.3	124	56	16	6	0	1	0	
WY CASPER	87	56	91	51	72	3	.2	-.2	.2	5.8	179	11.7	136	79	24	3	0	3	0	
CHEYENNE	93	60	99	54	77	3	.0	-.2	.0	1.7	90	9.3	124	56	16	6	0	1	0	
LANDER	92	61	98	57	77	5	.0	-.2	.0	.8	41	9.7	107	47	15	6	0	0	0	
SHERIDAN	94	57	101	51	76	5	.1	-.1	.1	1.3	43	10.2	103	74	22	6	0	2	0	

Based on 1951-80 normals

National Agricultural Summary

July 15 - 21, 1991

HIGHLIGHTS: Continued hot, dry weather depleted soil moisture supplies, particularly topsoil moisture, and stressed crops from the central Great Plains across the Ohio Valley and up through the Northeast.

SMALL GRAINS: Winter wheat harvest was completed in the Ohio Valley, well along in the Great Plains, and picking up in the Pacific Northwest. Winter wheat was 83 percent (%) harvested in the 19 major producing States, compared with 81% last year and 82% for the 5-year average. Harvest continued to advance rapidly in Michigan, showing a gain of 30 percentage points to 90% complete, compared with just 10% last year and 45% average. South Dakota's harvest advanced 35 points to 68% complete, 16 points ahead of last year and 22 points ahead of the average. Spring wheat was 2% harvested in Minnesota and 17% harvested in South Dakota. Harvest had yet to begin in Idaho, Montana, and North Dakota. Spring wheat condition ratings dropped in each of the 5 major producing States. Poor or very poor condition ratings were reported for 19% of Minnesota's spring wheat acreage, 9% of Montana's, and 8% of Idaho's. Barley harvest continued in Colorado, and the Idaho crop was turning color. Harvests of oats progressed in the Ohio Valley, northern Plains, and Rocky Mountains while complete in the Southeast.

CORN: Higher-than-normal temperatures across the Corn Belt kept corn developing well ahead of schedule. Sixty-nine percent of the acreage was silking in the 17 major producing States, compared with 27% last year and 53% average. Progress was 20 points or more ahead of the 5-year average in all Corn Belt States except Iowa and Missouri. Silking progress was 2 points ahead of the average in Iowa and 1 point ahead in Minnesota. Lack of rain in the Corn Belt continued to push condition ratings downward. Twenty-three percent of the crop rated very poor or poor in Indiana, as did 38% of the crop in Pennsylvania. Crop condition remained, however, mostly good in other major producing States. Corn harvest was active in Texas' Rio Grande Valley.

SOYBEANS: Soybeans had bloomed on 58% of the acreage in the 19 major producing States, compared with 34% last year and 52% average. Pods were setting on 25% of the crop acreage, compared with 5% last year and 17% average. Crop development remained well ahead of schedule in the Ohio Valley and, while lagging behind normal in the Gulf Coast States. Crop condition deteriorated in all regions except the Southeast. The crop rated mostly fair in the Delta, Indiana, and Kansas and generally good elsewhere.

COTTON: Cotton progress moved closer to normal, after falling behind due to late planting in the Mississippi and Tennessee Valleys and cool early season weather in the West. Eighty-one percent of the crop was squaring, 11 points behind last year and 6 points behind the average. Bolls were setting on 43% of the acreage, 7 points behind last year and 3 points behind the average. Crop condition remained good in the Southwest and southern Atlantic regions but

mostly fair in between. Seventeen percent of the acreage in Missouri and 10% of that in Alabama rated poor. Some hail damage was reported in northeast Louisiana. Cotton harvest was active in south Texas as weather permitted.

GRAIN SORGHUM: Grain sorghum was 35% headed in the 12 major producing States, 10 points ahead of last year and 4 points ahead of the historic average. Crop condition showed marked improvement in New Mexico, as much needed rains fell in the southeastern part of the State. Lack of rain caused a drop in ratings in the Great Plains, while crop condition improved in Texas and the Delta. Texas sorghum harvest was winding down in southern and coastal regions. Central Texas producers were midway through harvest.

RICE: Crop development continued to outpace both last year and the historic average, despite the delays in planting experienced in the Delta. Thirty percent of the crop was headed, compared with 23% last year and 27% average. Crop condition rated fair in Louisiana and Mississippi and mostly good in Arkansas, California, and Texas. Harvest activity increased during the week in Texas and Louisiana.

OTHER FIELD CROPS: Alfalfa first cut haying was well along in Montana, while the third cutting was being harvested in the Ohio Valley. Potato harvest started in central Washington and Oregon. Idaho potato condition was good to excellent, with 95% of the plants over 12 inches high. North Dakota sunflower was in early stages of bloom and South Dakota sunflower was in mostly good condition. Flax bloom was well advanced in the Dakotas and the crop was also in good condition. Safflower was drying in California as harvest neared. Tobacco harvest was underway in the Atlantic Coast States from Florida to Connecticut.

FRUIT AND NUTS: Plum, freestone peach, and nectarine harvests progressed in California. Table grape harvest continued in the San Joaquin Valley, while winding down in California's desert area. Summer grapefruit harvest continued in the State, while Valencia orange picking neared completion. Florida citrus groves were in near excellent condition, with new crop fruit sizes well advanced and very little fruit drop. Peach harvest neared completion in Georgia and was past the midpoint in South Carolina. Sweet cherry harvest was well along in Idaho and Utah, and Utah's tart cherry harvest was underway. Cranberries were past bloom in New England with a good set reported.

VEGETABLES: Broccoli, cauliflower, celery, and lettuce remained in heavy supply in California. Melon and processing and fresh market tomato harvests were active in the State. Mosaic was prevalent in many San Joaquin Valley melon fields. Limited volumes of summer vegetables and

(Continued to back cover)

CROP PROGRESS

for week ending July 21, 1991

	Soybeans % Bloom		
	1991	1990	Avg.
AL	21	37	33
AR	21	6	15
GA	44	43	40
IL	91	38	72
IN	84	41	59
IA	60	47	73
KS	55	30	40
KY	46	15	35
LA	13	39	38
MI	40	20	30
MN	55	55	66
MS	18	26	27
MO	46	17	49
NE	63	32	61
NC	23	16	15
OH	91	46	52
SC	22	20	13
SD	68	30	43
TN	14	16	24

19 States 58 34 52

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

	Soybeans % Setting Pods		
	1991	1990	Avg.
AL	6	18	13
AR	5	0	2
GA	14	17	13
IL	60	6	32
IN	26	4	14
IA	28	8	27
KS	20	5	15
KY	13	4	8
LA	1	16	14
MI	10	0	4
MN	11	6	20
MS	8	13	10
MO	14	0	18
NE	11	1	13
NC	6	0	0
OH	48	0	11
SC	4	3	3
SD	19	4	7
TN	2	2	7

19 States 25 5 17

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

	Winter Wheat % Harvested		
	1991	1990	Avg.
AR	100	100	100
CA	90	97	98
CO	82	78	84
GA	100	100	100
ID	0	4	6
IL	100	99	100
IN	100	97	100
KS	100	100	99
MI	90	10	45
MO	100	96	99
MT	1	2	13
NE	91	89	90
NC	100	100	100
OH	100	80	86
OK	100	100	100
OR	9	6	9
SD	68	52	46
TX	99	100	99
WA	1	11	10

19 States 83 81 82

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

	Rice % Headed		
	1991	1990	Avg.
AR	14	0	7
CA	0	1	2
LA	63	56	56
MS	23	38	26
TX	72	68	79

5 States 30 23 27

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

	Corn % Silking		
	1991	1990	Avg.
CO	19	22	31
GA	99	99	99
IL	98	45	77
IN	89	31	56
IA	57	12	55
KS	90	65	65
KY	76	43	66
MI	55	5	25
MN	26	3	25
MO	81	39	74
NE	78	32	58
NC	96	91	86
OH	87	38	48
PA	41	5	16
SD	40	5	16
TX	89	89	87
WI	53	3	26

17 States 69 27 53

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

	Spring Wheat % Harvested		
	1991	1990	Avg.
ID	0	0	0
MN	2	1	4
MT	0	0	3
ND	0	0	2
SD	17	10	13

5 States 3 2 4

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

	Grain Sorghum % Headed		
	1991	1990	Avg.
AR	48	25	49
CO	11	3	4
IL	43	4	30
KS	15	5	10
LA	65	77	73
MS	48	61	58
MO	33	12	36
NE	19	1	12
NM	0	6	0
OK	30	3	28
SD	8	1	4
TX	72	69	66

12 States 35 25 31

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

	Cotton % Squaring		
	1991	1990	Avg.
AL	94	98	98
AZ	99	100	99
AR	100	100	99
CA	95	100	100
GA	98	100	99
LA	95	95	95
MS	89	98	96
MO	97	97	99
NM	90	94	94
NC	96	92	86
OK	62	71	62
SC	98	92	98
TN	84	92	95
TX	68	88	77

14 States 81 92 87

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

	Cotton % Setting Bolls		
	1991	1990	Avg.
AL	52	74	68
AZ	78	96	90
AR	61	71	70
CA	35	45	47
GA	69	87	77
LA	60	84	71
MS	52	86	73
MO	65	47	74
NM	42	40	36
NC	62	67	61
OK	15	9	20
SC	77	64	54
TN	34	26	49
TX	32	32	25

14 STATES 43 50 46

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

CROP CONDITION
PERCENT

for week ending July 21, 1991

Soybeans

State	VP	P	F	G	EX
AL	0	3	32	60	5
AR	5	13	56	26	0
GA	0	0	13	76	11
IL	1	2	39	53	5
IN	4	9	47	40	0
IA	0	7	36	53	4
KS	0	8	49	39	4
KY	0	10	30	53	7
LA	6	34	45	15	0
MI	0	5	30	40	25
MN	0	6	36	49	9
MS	1	20	48	29	2
MO	3	11	42	43	1
NE	0	6	34	58	2
NC	0	0	24	75	1
OH	2	9	33	44	12
SC	0	0	14	86	0
SD	0	4	25	51	20
TN	0	4	51	44	1
19 State	1	8	39	47	5
Prev Week	1	5	33	55	6
Prev Year	1	4	35	53	7

Spring Wheat

State	VP	P	F	G	EX
ID	0	8	12	61	19
MN	4	15	43	35	3
MT	3	6	16	38	37
ND	0	0	11	82	7
SD	0	0	22	61	17
5 State	1	4	19	63	13
Prev Week	1	3	14	67	15
Prev Year	4	6	29	50	11

Sorghum

State	VP	P	F	G	EX
AR	8	8	62	22	0
CO	0	1	36	55	8
IL	0	0	23	64	13
KS	0	18	39	41	2
LA	0	25	37	38	0
MS	1	11	64	24	0
MO	3	17	46	33	1
NE	7	11	29	51	2
NM	0	0	42	58	0
OK	0	1	79	20	0
SD	0	2	40	53	5
TX	0	0	24	61	15
12 State	2	9	36	47	6
Prev Week	0	3	37	52	8
Prev Year	2	11	46	39	2

Cotton

State	VP	P	F	G	EX
AL	0	10	59	30	1
AZ	0	0	0	89	11
AR	0	0	65	30	5
CA	0	0	10	85	5
GA	0	0	11	59	30
LA	0	0	72	28	0
MS	0	3	45	49	3
MO	0	17	50	33	0
NM	0	0	8	84	8
NC	0	0	4	92	4
OK	0	0	58	42	0
SC	0	0	25	75	0
TN	4	6	49	41	0
TX	4	1	44	45	6
14 State	2	2	42	49	5
Prev Week	2	1	45	47	5
Prev Year	3	3	43	48	3

Rice

State	VP	P	F	G	EX
AR	0	0	41	53	6
CA	0	0	15	75	10
LA	0	3	52	45	0
MS	9	3	60	27	1
TX	0	0	21	65	14
5 State	1	1	39	53	6
Prev Week	1	0	30	65	4
Prev Year	0	0	32	65	3

Corn

State	VP	P	F	G	EX
CO	1	4	15	52	28
GA	0	0	9	58	33
IL	5	5	41	42	7
IN	11	12	53	24	0
IA	2	4	40	49	5
KS	1	6	35	39	19
KY	0	2	25	60	13
MI	1	9	25	40	25
MN	0	6	28	50	16
MO	3	8	43	44	2
NE	1	4	21	66	8
NC	0	2	36	58	4
OH	3	12	33	42	10
PA	12	26	32	21	9
SD	2	7	24	49	18
TX	0	1	14	57	28
WI	1	4	15	64	16
17 State	3	6	33	48	10
Prev Week	1	4	29	53	13
Prev Year	1	4	21	62	12

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 under 1.00 in.; 1.00 to 3.00 in. local areas east, south; little to none north, west. Temperatures 2° above normal northwest, near normal elsewhere.

Days suitable for fieldwork 5.6. Soil moisture 37% short, 57% adequate, 6% surplus. Corn 93% silked, 98% 1990, 96% avg.; 56% dented, 59% 1990, 59% avg.; 23% mature, 33% 1990, 34% avg.; 2% harvested, 10% 1990, 7% avg.; 2% poor, 19% fair, 54% good, 25% excellent. Cotton 94% squaring, 98% 1990, 98% avg.; 52% setting bolls, 74% 1990, 68% avg.; 10% poor, 59% fair, 30% good, 1% excellent. Peanuts 88% pegging, 95% 1990, 86% avg.; 13% fair, 86% good, 1% excellent. Soybeans 100% planted, 100% 1990, 98% avg.; 21% blooming, 37% 1990, 33% avg.; 6% setting pods, 18% 1990, 13% avg.; 3% poor, 32% fair, 60% good, 5% excellent. Pastures 12% fair, 69% good, 19% excellent. Livestock 5% fair, 77% good, 18% excellent.

ALASKA: Showers differing amounts, general throughout the Railbelt. Highs 1 to 4° below normal. Lows 4° below normal to 1° above normal. Seasonal precipitation 2.25 in. drier than normal at Fairbanks to 0.79 in. wetter than normal at Homer.

Days suitable for fieldwork 2.0. Topsoil, subsoil 7% short, 93% adequate. Small grains headed, dough: barley 70%, oats 40%. Barley 3% poor, 25% fair, 63% good, 7% excellent. Oat 10% poor, 80% fair, 10% good. Second crop hay 18% poor, 20% fair, 55% good, 7% excellent. Potato 12% poor, 26% fair, 49% good, 13% excellent.

ARIZONA: Warm, dry early in period, increasing cloudiness 15th, 16th. Thunderstorms developed southeast on the 19th. Increased thunderstorms 20th, 21st. Precipitation trace to 1.93 in. far southeast. Temperatures 5° below to 2° above normal. Extremes 48°; 98° higher elevations; 72°; 111° desert.

Small grains harvested 100%, 100% 1990, 100% avg. Cotton squaring, further advanced 99%, 100% 1990, 99% avg.; setting bolls 80%, 96% 1990, 90% avg. Cotton 89% good, 11% excellent. Alfalfa harvest moderate to active. Sudan hay harvest began last week southwest. Corn silage harvest progressed well central, south central; corn good to excellent.

ARKANSAS: Temperatures normal with scattered showers the last half of the week. Temperature 102°; 58°. Rainfall none to 1.63 in.

Days suitable for fieldwork 7. Soil moisture 90% short, 10% adequate. Oats harvested 100%, 100% 1990, 100% avg. Corn planted 100%, 100% 1990, 100% avg. Pasture 19% poor, 57% fair, 24% good. Livestock good.

CALIFORNIA: Low pressure trough continued to keep the north end cool with spotty precipitation while the south end of the State remained warm, dry. Weekend low developed off the southern areas coast allowing moisture, convective activity to begin circulating into the State.

Normal field activities. Cutting, baling hay continued active. Small grain harvests declined. Most acreage harvested. Cotton bloom, squaring well underway. Fields treated for lygus, mites. Additional hot weather needed to speed growth cotton, corn, sugarbeets. Dry beans maturing slowly. Rice development remains behind normal. Safflower drying preparation harvest. High temperatures, first week of July, caused damage, Thompson Seedless, Muscat, Tokay grapes. Orchard floor work (i.e. irrigation, weed control) ongoing. Almond hull split spraying, peach twig borer, mites, Navel Orange worm continued. Gravenstien apple harvest imminent; Granny Smith sizing well; some sunburn damage with fruit drop. Plum, freestone peach, nectarine harvests progressed, approximately 40% nectarines, 51% freestone peach crops harvested to date. San Joaquin table grape harvest continued, Flame Seedless, Perlette varieties. Desert table grape harvest winding down. Grape vineyards, treated, mildew, mites, leafhoppers, grape leaf skeletonizer. Walnuts, kiwifruit, sizing, summer grapefruit harvest continued, picking Valencia oranges winding down. Range, pasture conditions good northern State. Southern areas fair to good higher elevations, poor lower.

COLORADO: Isolated showers on the 15th through the 17th, increased on the 18th as moisture moved into the east, remained through the 21st. The west was mostly dry until the 19th when spotty showers moved into that area, continued through the weekend. Temperature mostly within a degree or so of normal.

Days suitable for fieldwork 6.2. Soil moisture 10% very short, 60% short, 28% adequate, 2% surplus. Second cutting alfalfa 39% complete, 38% 1990, 36% avg. Barley 19% harvested, 26% 1990, 30% avg. Oats 30% harvested, 27% 1990, 26% avg. Winter wheat 82% harvested, 78% 1990, 84% avg. Livestock mostly good. Pasture, range feed mostly fair.

FLORIDA: Temperatures 0 to 2° below normal north, 0 to 3° above normal south. Rain of 2.00 to 5.00 in. north half, 0.50 to 3.00 in. south half. Rainfall to date 5.00 to 20.00 in. above normal.

Soil moisture Panhandle mostly adequate; Peninsula adequate to surplus. Tobacco markets opened. Tobacco harvest active. Corn harvest underway. Cotton, peanuts, soybeans made good progress. Sugarcane made rapid growth. States pastures mostly good to excellent. Pasture 10% fair, 40% good, 50% excellent. States herds mostly good to excellent. Near excellent citrus grove condition. Moisture adequate to surplus, several afternoon showers all areas, abundant new foliage. Field preparation active for fall crops.

GEORGIA: Wet many areas 2.00 to 4.00 in. rain, local totals exceeding 5.00 in. Heaviest over 10.00 in. near Elberton, 8.58 in. near Savannah. Most rain first half week. Hot temperatures, widely scattered thunderstorms weekend. Rain 3 to 5 days, Savannah rain each day. Hottest

several locations. Temperatures slightly cooler than normal most locations.

Days suitable for fieldwork 2.6. Soil moisture 2% short, 33% adequate, 65% surplus. Corn 95% dough, 97% 1990, 93% avg.; 88% dent, 88% 1990, 79% avg.; 39% mature, 41% 1990, 35% avg.; 2% harvested for grain, 3% 1990, 4% avg. Cotton 0% bolls open, 0% 1990, 1% avg. Sorghum 7% fair, 84% good, 9% excellent; 100% planted, 99% 1990, 98% avg. Peanuts 11% fair, 76% good, 13% excellent; 99% blooming, 100% 1990, 99% avg.; 94% pegging, 94% 1990, 90% avg. Soybeans 100% planted, 100% 1990, 100% avg. Tobacco 46% fair, 54% good; 57% harvested, 49% 1990, 41% avg. Hay 4% poor, 18% fair, 68% good, 10% excellent. Pasture 1% fair, 71% good, 28% excellent. Cattle, hogs mostly good.

HAWAII: Sunshine with light rainfall in the higher elevations, windward areas. Major crops on most islands received irrigation due to dry weather conditions. Winds 10 to 25 mph. Temperatures high 60s to low 90s. Rainfall none to 2.20 in.

Days suitable for fieldwork 7.0. Most crops made good progress with favorable weather.

IDAHO: Temperatures below normal for north, southwest. Precipitation spotty across State with most in north.

Days suitable for fieldwork 7.0. Soil moisture 5% very short, 23% short, 71% adequate, 1% surplus. Winter wheat good; 44% turning color. Spring wheat good; 13% turning color. Spring barley 19% turning color. Potato good to excellent; 95% over 12" high, 54% closing middles. Alfalfa first cutting 100% harvested, 99% 1990, 98% avg. Alfalfa second cutting 21% harvested, 27% 1990, 25% avg. Some dryland spring wheat starting to show signs of moisture stress in Franklin, Power Counties. Grain harvest beginning in Elmore County. Livestock good to excellent. Range, pasture condition 88% of normal.

ILLINOIS: Temperatures normal to 2° above normal south, 3 to 6° above normal north. Precipitation generally none, scattered showers north.

Days suitable for fieldwork 6.75. Soil moisture 78% short, 22% adequate. Corn dough 44%, 4% 1990, 18% avg.; dented 10%, 0 1990, 3% avg. Oats ripe 99%, 26% 1990, 56% avg.; harvested 95%, 18% 1990, 51% avg. Pasture condition as a % of normal, where 100% = normal, was 71%. Alfalfa second cutting 91%, 62% 1990, 76% avg.; third cutting 25%, 0% 1990, 7% avg.; 2% very poor, 18% poor, 47% fair, 31% good, 2% excellent.

INDIANA: Temperatures 2 to 8° above normal. Lows mid to upper 60s, highs upper 80s to low 90s. Precipitation none in. central, south, none to 0.35 in. north. Some isolated amounts in north of 0.75 to 1.00 in.

Days suitable for fieldwork 6.9. Topsoil 87% short, 13% adequate. Subsoil 74% short, 26% adequate. Corn dough 24%, 0% 1990, 11% avg. Oats harvested 94%, 42% 1990, 56% avg. Virtually all rye is harvested, 68% 1990, 79% avg. Alfalfa hay 2nd cutting 88%, 57% 1990, 66% avg. Other hay 2nd cutting 82%, 50% 1990, 48% avg. Pasture 54% of normal.

IOWA: Temperatures 5 to 8° above normal. Extremes 59°; 98°. Precipitation none to 2.08 in.; 0.34 avg.

Days suitable for fieldwork 6.8. Topsoil 84% short, 16% adequate. Subsoil 36% short, 63% adequate, 1% surplus. Hay 5% very poor, 22%

poor, 34% fair, 35% good, 5% excellent. Pasture 72% of normal. Oats 78% harvested, 20% 1990, 53% avg. Corn 80% tasseled, 31% 1990, 75% avg. Soybeans 96% cultivated first time, 90% 1990, 97% avg. Second cutting alfalfa 65% harvested, 50% 1990, 67% avg. Second cutting clover hay 45% harvested, 19% 1990, 32% avg. Winter wheat 98% harvested, 64% 1990, 82% avg. Livestock mostly good.

KANSAS: Temperatures 1 to 5° above normal across State. Rainfall recorded all areas except east central; 0.01 in. northeast to 0.50 in. southwest.

Days suitable for fieldwork 6.5. Surface moisture 95% short, 5% adequate. Subsurface moisture 84% short, 16% adequate. Corn, sorghum, soybeans being stressed by hot, dry weather. Corn silking 90%, dough 30%. Corn borers, grasshoppers, spider mites damaging corn scattered localities, mostly southwest, south central. Sorghum 15% headed. Chinch bugs, grasshoppers causing light to moderate damage to sorghum many areas of State. Soybeans rated 55% blooming, 20% setting pods. Range, pastures have declined, rate fair Statewide. Range central, south central areas reported to be in worst condition. Stockwater short in central one third of State. Second cutting alfalfa 95% complete, third cutting 25% done.

KENTUCKY: Hot, dry. Daytime highs around 90°, lows upper 60s, both 2° above mean. Rain mostly absent. Deficits over 1.00 in.

Days suitable for fieldwork 5.5. Soil moisture 8% very short, 28% short, 63% adequate, 1% surplus. Hot, dry weather stressed crops once again. Date of first tobacco cutting around August 6th. Burley tobacco 50% blooming, 28% 1990, 30% avg.; 16% topped, 5% both 1991 and avg. Dark tobacco 51% blooming. All tobacco 3% poor, 41% fair, 54% good, 2% excellent. Soybean making good growth after previous rains. Cutting alfalfa, other hay.

LOUISIANA: Temperatures 1.3° below normal to 1.3° above normal. Extremes 64°, 99°. Rainfall 0.33 in. west central, to 1.66 in. southeast.

Days suitable for fieldwork 5.3. Soil moisture 21% short, 67% adequate, 12% surplus. Spring plowing 100%, 100% 1990, 100% avg. Corn 26% poor, 61% fair, 13% good; 95% dough stage, 95% 1990, 92% avg.; 53% mature, 45% 1990, 30% avg. Cotton cultivation, irrigation active, north. Hay 78% first cutting, 96% 1990, 94% avg. Peaches 34% fair, 66% good; 85% harvested, 82% 1990, 80% avg. Rice 17% ripe, 10% 1990, 7% avg.; 6% harvested, 4% 1990, 2% avg. Sorghum 100% emerged, 100% 1990, 100% avg.; 30% turning color, 27% 1990, 23% avg. Scouting for headworms active. Soybeans 99% planted, 98% 1990, 98% avg.; 97% emerged, 95% 1990, 97% avg. Sweet potatoes 3% poor, 60% fair, 37% good; 99% planted, 96% 1990, 97% avg.; 0% harvested, 2% 1990, 1% avg. Sugarcane 33% fair, 67% good. Vegetables 5% very poor, 18% poor, 53% fair, 24% good. Pastures 1% very poor, 1% poor, 3% fair, 26% good, 69% excellent. Livestock 23% fair, 75% good, 2% excellent.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation .239 in. Temperature 79.5°, normal 75.9°. Extremes 46°; 99°.

Days suitable for fieldwork 6.7. Topsoil 50% very short, 50% short. Subsoil 33% very short, 50% short, 17% adequate. Wheat, rye fair to good, barley fair to good, oats fair. Oats 95% turning, 100% 1990, N/A avg.; 52% harvested, 36% 1990, 37% avg. Field corn 69% silked, 51% 1990, 50% avg.; 15% dough, 17% 1990, 11% avg. Tobacco 28%

bloomed, 35% 1990, 26% avg. Soybeans 37% bloomed, 20% 1990, 20% avg.; 12% set pods, 6% 1990, 5% avg. Sorghum 35% headed, N/A 1990, N/A avg. Potatoes 36% harvested, 12% 1990, 21% avg. Snap beans 55% harvested, 65% 1990, 48% avg. Tomatoes 41% harvested, 20% 1990, 21% avg. Sweet corn 43% harvested, 30% 1990, 35% avg. Other hay second cut 42% complete, 35% 1990, 48% avg. Alfalfa hay third cut 19% complete, 0% 1990, 15% avg. Hay adequate. Pasture severe drought condition.

DELAWARE: Precipitation .023 in. Temperature 77.7°, normal 76.6°. Extremes 58°; 96°.

Days suitable for fieldwork 6.3. Topsoil 40% very short, 40% short, 20% adequate. Subsoil 80% short, 20% adequate. Field corn 81% silked, 76% 1990, 69% avg. Potatoes 10% harvested, 16% 1990, 14% avg. Snap beans 49% harvested, 53% 1990, 49% avg. Tomatoes 14% harvested, 16% 1990, 8% avg. Sweet corn 30% harvested, 23% 1990, 27% avg. Cucumbers 28% harvested, 29% 1990, 42% avg. Other hay second cut 77% complete, 35% 1990, 51% avg. Alfalfa hay third cut 19% complete, 0% 1990, 18% avg. Hay supplies adequate. Pasture poor to fair.

MICHIGAN: Temperatures 2.8 to 6.1° above normal. Extremes 47°; 96°. Precipitation 0.02 to 1.87 in. across the State.

Days suitable for fieldwork 6.5. Soil moisture 70% short, 30% adequate. Corn 55% silked, 5% 1990, 25% avg.; 1% very poor, 9% poor, 25% fair, 40% good, 25% excellent. Soybeans 40% blooming, 20% 1990, 30% avg.; 10% setting pods, 0% 1990, 4% avg.; 5% poor, 30% fair, 40% good, 25% excellent. Winter wheat 90% harvested, 10% 1990, 45% avg. Pasture condition 65% of normal.

MINNESOTA: Temperatures 6 to 9° above normal. Extremes 50°; 100°. Precipitation 0.55 to 1.93 in. Greatest weekly total 4.18.

Days suitable for fieldwork 5.6. Topsoil 1% very short, 10% short, 80% adequate, 9% surplus. Spring wheat 65% turning ripe, 56% 1990, 59% avg.; 5% swathed, 2% 1990, 10% avg.; 2% combined, 1% 1990, 4% avg. Oats 80% turning ripe, 67% 1990, 81% avg.; 38% swathed, 8% 1990, 29% avg.; 20% combined, 2% 1990, 18% avg. Barley 86% turning ripe, 71% 1990, 75% avg.; 11% swathed, 11% 1990, 18% avg.; 2% combined, 3% 1990, 7% avg. Field corn 63% tasseling, 17% 1990, 54% avg.; 5% milking, 0% 1990, 5% avg. Soybeans 55% blooming, 55% 1990, 66% avg.; 11% setting pods, 6% 1990, 20% avg. Winter wheat 24% harvested, 8% 1990, 31% avg. Rye 21% harvested, 7% 1990, 32% avg. Spring wheat 4% very poor, 15% poor, 43% fair, 35% good, 3% excellent. Field corn 6% poor, 28% fair, 50% good, 16% excellent. Soybeans 6% poor, 36% fair, 49% good, 9% excellent. Barley 6% very poor, 11% poor, 40% fair, 37% good, 6% excellent.

MISSISSIPPI: Temperature 81°, .4° below normal. Extremes 61°; 99°. Mostly dry statewide, 0.79 in., 0.38 below normal. Soil temperature 89°.

Days suitable for fieldwork 6.0, 5.4 1990, 4.9 avg. Soil 1% very short, 43% short, 56% adequate. Corn 90% silking, 91% 1990, 92% avg.; 60% dough, 73% 1990, 63% avg.; 40% denting, 34% 1990, 37% avg.; 6% mature, 19% 1990, 9% avg.; silage harvest 40%, 15% 1990, 16% avg.; 2% very poor, 26% poor, 34% fair, 38% good. Cotton 89% squaring, 98% 1990, 96% avg.; 52% setting bolls, 86% 1990, 73% avg.; 3% poor, 45% fair, 49% good, 3% excellent. Rice 23% heading, 38% 1990, 26% avg.; 9% very poor, 3% poor, 60% fair, 27% good, 1% excellent. Sorghum 48% heading, 61% 1990,

58% avg.; 37% coloring, 13% 1990, 15% avg.; 1% very poor, 11% poor, 64% fair, 24% good. Soybeans 98% planted, 99% 1990, 100% avg.; 90% emerged, 94% 1990, 89% avg.; 18% blooming, 26% 1990, 27% avg.; 8% podding, 13% 1990, 10% avg.; 1% very poor, 20% poor, 48% fair, 29% good, 2% excellent. Sweet potatoes 99% planted, 100% 1990, 100% avg. Hay 67% harvested, 57% 1990, 54% avg. Livestock 1% poor, 11% fair, 66% good, 22% excellent. Pasture 91% of normal.

MISSOURI: Temperatures 4° above normal northwest to 1° below normal Bootheel. No rain except scattered minor amounts.

Days suitable for fieldwork 6.3. Topsoil 56% short, 44% adequate. Crops, pasture in west central, southern counties hurt by moisture shortage. Corn development 4 days ahead of average, 3 weeks ahead of last year. Corn condition best in northern third, poorest west central district. Soybeans 50% or more blooming in northwestern, north central, east central districts, least advanced southeast at 31%. Sorghum heading ranges 12% northeast district to 44% southeast district. Oats harvested 95%, 70% 1990, 91% avg. Alfalfa second crop cut 87%, 72% 1990, 88% avg. Other hay cut 92%, 82% 1990, 89% avg. Pasture 13% very poor, 26% poor, 45% fair, 16% good. Hay being fed some west central, southern counties to supplement reduced pasture feed.

MONTANA: Temperatures 4° below normal west to 7° above normal central, east. Rainfall below normal most areas.

Days suitable fieldwork 6.2. Topsoil 38% short, 60% adequate, 2% surplus. Subsoil 29% short, 71% adequate. Winter wheat ripe 9%, 2% 1990, 10% avg.; 2% very poor, 5% poor, 20% fair, 47% good, 26% excellent. Spring wheat turning 28%, 36% 1990, 42% avg. Barley turning 31%, 29% 1990, 33% avg.; ripe 1%, 4% 1990, 8% avg.; 2% very poor, 5% poor, 13% fair, 41% good, 39% excellent. Oats turning 26%, 38% 1990, 39% avg.; 2% very poor, 4% poor, 15% fair, 49% good, 30% excellent. Sugarbeets 6% very poor, 6% poor, 23% fair, 49% good, 16% excellent. First cutting alfalfa harvested 87%, 92% 1990, 96% avg. Other hay harvested 67%, 76% 1990, 69% avg. Pasture, range feed condition 90%.

NEBRASKA: Temperatures 4 to 8° above normal. Precipitation a trace to 0.77 in.

Days suitable for fieldwork 6.9. Topsoil 83% short, 17% adequate. Subsoil 48% short, 52% adequate. Wheat 91% harvested, 89% 1990, 90% avg. Corn 1% very poor, 4% poor, 21% fair, 66% good, 8% excellent; 78% silked, 32% 1990, 58% avg.; 6% dough, 0% 1990, 3% avg. Sorghum 7% very poor, 11% poor, 29% fair, 51% good, 2% excellent; 19% headed, 1% 1990, 12% avg. Soybeans 6% poor, 34% fair, 58% good, 2% excellent; 63% blooming, 32% 1990, 61% avg.; 11% setting pods, 1% 1990, 13% avg. Alfalfa 3% very poor, 15% poor, 21% fair, 60% good, 1% excellent; 80% second cutting, 78% 1990, 79% avg. Pasture, range 82% of normal.

NEVADA: Temperatures near normal. Extremes 35°; 113°. Precipitation none south, 0.20 in. north, east, 0.90 in. west.

Good progress made with alfalfa harvest early in week, slower in some areas late in week with showers. Livestock mostly good.

NEW ENGLAND: Precipitation none to 0.15 in. north, scattered areas up to 1.15 in.; none in. Rhode Island, Connecticut; Massachusetts none to 0.08 in. Temperatures low to high 70s north, low 70s to low 80s south; 3 to 8° above normal.

Maximum temperatures low 90s to low 100s; minimum temperatures low 40s to low 60s.

Days suitable for fieldwork 6.6. Soil moisture 53% very short, 44% short, 3% adequate. Grazing availability 41% very short, 53% short, 6% adequate. Fieldwork 6.5 days ahead of schedule. Maine potatoes fair to good. Rhode Island, Connecticut Valley potatoes fair to good. Maine oats good. Field corn fair to good. Sweet corn harvest begun; fair to good. First cut hay complete. Second cut hay 37% complete, 24% 1990, 23% avg.; fair. Connecticut Valley shade outdoor tobacco harvests underway.

NEW JERSEY: Temperatures much above normal. Extremes 50°; 102°. Rainfall 0.68 in. north, 0.17 central, none south. Heaviest 24 hour total 0.86 in. on 19th, 20th. Estimated soil moisture percent field capacity, averaged 50% north, 56% central, 49% south. Four inch soil temperature averaged 74 north, 72 central, 79 south.

Prolonged hot humid weather continued to effect some crop production, quality. Soil moisture short in most areas. Conditions good for grain combining hay, straw baling. summer vegetable harvest continued active. Early planted oats mature. Second cutting of hay advanced. Pasture growth slowed.

NEW MEXICO: Some rain fell over most of the eastern two thirds of the State. Temperatures within a few degrees of normal statewide.

Days suitable for fieldwork 5.3. Soil moisture 27% short, 67% adequate, 6% surplus. Crop conditions: Alfalfa 24% fair, 73% good, 3% excellent. Corn 94% good, 6% excellent. Irrigated wheat 43% fair, 43% good, 14% excellent. Dryland wheat 33% fair, 67% good. Chile 25% fair, 58% good, 17% excellent. Onions, good condition; harvest slowed by rains. Wheat harvest 99% complete. Cattle, sheep poor to good. Range 67% of normal, low of 20%, high of 110%.

NEW YORK: Hot, humid. High temperatures reached into the 90s. Readings topped 100° at several stations in the southeast part of the States. Extremes 41°; 102°. Another dry week. Only isolated thunderstorms produced any rainfall. Majority of the State received little or no precipitation. Dryness has resulted in unusually high fire danger.

Days suitable for fieldwork 5.4. Soil moisture very short to adequate. Pasture 60% of normal. Dryness has stunted the growth of crops in some areas. Early planted corn was tasselling. Hay, wheat fair to good. Second cutting of hay light due to limited regrowth. Clo tim harvest reached 95% finished, 91% 1990, 85% avg. Wheat, oat harvest gaining momentum. Vegetable harvest gained momentum. Orange county onion harvest underway. Locally growth vegetables available statewide. Irrigation active where available.

NORTH CAROLINA: Temperatures above normal across the State. Extremes 54°; 98°. Precipitation 0.14 to 5.97 in.

Days suitable for fieldwork 5.7. Soil moisture 3% very short, 38% short, 57% adequate, 2% surplus. Crop condition: Tobacco 1% poor, 17% fair, 80% good, 2% excellent; corn 2% poor, 36% fair, 58% good, 4% excellent; cotton 4% fair, 92% good, 4% excellent; peanuts 11% fair, 89% good; soybeans 24% fair, 75% good, 1% excellent; hay 6% poor, 26% fair, 68% good; sweet potatoes 17% fair, 80% good, 3% excellent; sorghum 38% fair, 62% good; pasture 1% very poor, 4% poor, 31% fair, 63% good, 1% excellent. Harvested:

Flue cured tobacco 14%; hay second cutting 55%, third cutting 25%. Cotton setting bolls 62%; corn silked 96%; corn soft dough 68%; soybeans blooming 23%; tobacco topped 78%.

NORTH DAKOTA: Temperatures 6° above normal northeast, east central to 8° above normal southwest, south central. Extremes 45° southwest; 105° west central. Precipitation 0.04 in. southeast to 0.66 in. northwest.

Days suitable for fieldwork 6.2. Topsoil 10% very short, 39% short, 51% adequate. Subsoil 16% very short, 32% short, 52% adequate. Spring wheat 46% turning to ripe and beyond, 30% 1990, 37% avg.; durum 21% turning to ripe and beyond, 19% 1990, 24% avg.; oats 49% turning to ripe and beyond, 36% 1990, 47% avg.; barley 64% turning to ripe and beyond, 60% 1990, 58% avg.; winter wheat 89% turning to ripe and beyond, 86% 1990, 92% avg. Corn 70% tasseling or silking and beyond, 12% 1990, 41% avg.; sunflower 12% bloom or beyond, 3% 1990, 7% avg.; flax 76% bloom or beyond, 77% 1990, 64% avg.; potatoes 92% bloom or beyond, 85% 1990, 83% avg.; soybeans 52% podding or beyond, 14% 1990, 20% avg.; dry edible beans 93% bloom or beyond, 50% 1990, 59% avg. Pasture conditions 87% of normal. Alfalfa hay first cutting 96% complete, other hay 72%. Stockwater 6% very short, 39% short, 55% adequate.

OHIO: Hot weather the norm across the State. High temperatures 4 to 8° above normal with maximum averaging around 90°. Precipitation was mostly nonexistent throughout the state few areas received more than 0.50 in. Southeastern counties received drought disaster relief in that they were allowed to graze cattle in set aside pastures.

Days suitable for fieldwork 6.7. Soil moisture 72% short, 27% adequate, 1% surplus. Corn good, deteriorating. Corn borer, root worm, Japanese beetle infestations; 87% silking, 38% 1990, 48% avg.; 22% dough or beyond, 0% 1990, 3% avg. Winter wheat harvest is over. Soybeans good, heat stressed; 91% blooming with 48% setting pods; 46% blooming 1990, 52% avg.; 0% setting pods 1990, 11% avg. Oats good; 73% harvested, 9% 1990, 27% avg. Second cutting alfalfa 89%, 52% 1990, 58% avg. Third cutting alfalfa 14%, 0% 1990, 5% avg. Second cuttings other hay 58%, 24% 1990, 33% avg.

OKLAHOMA: Temperatures 2° above normal Panhandle to 5° above normal northeast. Precipitation none most districts to 0.44 in. east central.

Days suitable for fieldwork 6.3. Topsoil 70% short, 30% adequate. Subsoil 54% short, 46% adequate. Wheat 90% ground plowed, 86% 1990, 84% avg.; 3% seedbed prepared, 6% 1990, 5% avg. Cotton 62% squaring, 71% 1990, 62% avg.; 15% setting bolls, 9% 1990, 20% avg. Sorghum 30% headed, 3% 1990, 28% avg.; 12% milk to soft dough, 0% 1990, 7% avg. Cotton, sorghum fair. Soybeans 27% flowering, 8% 1990, 25% avg.; 8% setting pods, 0% 1990, 6% avg. Peanuts 49% pegging, 40% 1990, 61% avg.; 10% setting pods, 3% 1990, 18% avg. Corn 77% tasseling, 64% 1990, 84% avg.; 26% milk to soft dough, 19% 1990, 47% avg.; 5% mature, 1% 1990, 6% avg. Pasture condition 87%. Cattle good; marketings average, prices mixed.

OREGON: Temperatures 2 to 4° below normal statewide. Precipitation 0.90 in., southwest, 0.30 in., northwest, 0.10 to 0.20 in., northeast. No precipitation extreme east.

Soil moisture 37% short, 63% adequate. Hay cutting continued across State; dry beans flower stage, Malheur County. Livestock good to

excellent; range still green, Baker County, mountain meadows green, Klamath County; soil moisture short, livestock coming off rangeland, Jefferson County Statewide, range, pasture 5% poor, 17% fair, 59% good, 19% excellent.

PENNSYLVANIA: Hot, dry across the Commonwealth. Temperature 76°, 7° above normal. Extremes 45°; 101°. Precipitation 0.11 in., 0.88 in. below normal.

Days suitable for fieldwork 6. Soil moisture 95% short, 5% adequate. Corn 41% silk, 5% 1990, 16% avg.; height 52 in., 43 in. 1990, 45 in. avg.; 12% very poor, 26% poor, 32% fair, 21% good, 9% excellent. Soybean 11% very poor, 22% poor, 34% fair, 28% good, 5% excellent. Barley 0% heading or headed, 9% 1990; 1% turning yellow, 13% 1990; 10% ripe, 24% 1990; 89% harvested, 54% 1990. Wheat 0% heading or headed, 8% 1990; 1% turning yellow, 19% 1990; 15% ripe, 50% 1990; 84% harvested, 23% 1990. Wheat 1% very poor, 8% poor, 39% fair, 40% good, 12% excellent. Oats 9% heading or headed, 33% 1990; 18% turning yellow, 45% 1990; 32% ripe, 19% 1990; 41% harvested, 3% 1990; 15% very poor, 27% poor, 33% fair, 22% good, 3% excellent. Second cutting alfalfa 70% complete, 40% 1990. Feed from pastures 81% very poor, 18% poor, 0% fair, 1% good.

PUERTO RICO: No Data Available.

SOUTH CAROLINA: Temperatures near normal. Rainfall 1.40 in. north central to 3.10 in. west central.

Days suitable for fieldwork 4.7. Soil moisture 2% very short, 31% short, 63% adequate, 4% surplus. Cotton; 25% fair, 75% good; 77% setting bolls, 64% 1990, 54% avg. Cucumbers fair to good; 85% harvested, N/A 1990, N/A avg. Snap beans fair to good; 51% harvested, N/A 1990, N/A avg. Sorghum fair to good; 88% planted, 95% 1990, 94% avg.; 1% harvested, 3% 1990, 2% avg. Soybeans 14% fair, 86% good; 22% blooming, 20% 1990, 13% avg.; 4% setting pods, 3% 1990, 3% avg. Barley fair; 98% harvested, 100% 1990, 98% avg. Rye 98% harvested, 100% 1990, 98% avg. Tobacco fair to good; 97% topped, 91% 1990, 91% avg.; 39% harvested, 25% 1990, 18% avg. Corn fair to good; 90% dough stage, 85% 1990, 70% avg.; 36% matured, 51% 1990, 25% avg.; 2% harvested, 3% 1990, 0% avg. Fall hay fair to good; 29% harvested, 17% 1990, 16% avg. Pastures fair to good.

SOUTH DAKOTA: Temperatures 8° above normal. Extremes 43°; 107°. Many reports over 100°. Precipitation generally light. Areas in northeast, northwest, southeast, Black Hills over 1.00 in.

Days suitable for fieldwork 6.1. Topsoil 6% critical, 48% short, 43% adequate, 3% surplus. Subsoil 3% critical, 28% short, 64% adequate, 5% surplus. Rye 16% fair, 68% good, 16% excellent. Oats 2% poor, 23% fair, 59% good, 16% excellent. Barley 4% poor, 19% fair, 63% good, 14% excellent. Flax 4% poor, 14% fair, 66% good, 16% excellent. Sunflowers 13% fair, 67% good, 20% excellent. Livestock 2% poor, 6% fair, 70% good, 22% excellent. Pasture 93% of normal.

TENNESSEE: High pressure prevailed most of week. Temperatures 2 to 3° above normal west, middle; 3° below normal Plateau. Precipitation below normal statewide.

Days suitable for fieldwork 5.5. Soil moisture 3% very short, 34% short, 63% adequate. Corn 74% tasseling, 58% 1990, 77% avg., 30%

dough, 12% 1990, 29% avg., 12% dent, 4% 1990, 11% avg.; 2% very poor, 5% poor, 31% fair, 55% good, 7% excellent. Cotton 84% squaring, 92% 1990, 95% avg., 34% setting bolls, 26% 1990, 49% avg.; 4% very poor, 6% poor, 49% fair, 41% good. Sorghum 28% headed, 18% 1990, 46% avg.; 4% poor, 43% fair, 52% good, 1% excellent. Soybeans 100% planted, 100% 1990, 100% avg.; 14% blooming, 16% 1990, 24% avg., 2% setting pods, 2% 1990, 7% avg.; 4% poor, 51% fair, 44% good, 1% excellent. Tobacco 22% topped, 10% 1990, 11% avg.; 40% fair, 60% good. Alfalfa 92% 2nd cutting, 100% 1990, 91% avg.; hay 1% poor, 15% fair, 81% good, 3% excellent. Pastures 1% poor, 15% fair, 81% good, 3% excellent. Cattle 6% fair, 81% good, 13% excellent.

TEXAS: High pressure was dominant feature for State weather last week. However, gulf moisture intrusions resulted in showers mainly along Rio Grande early in week, over South Central Texas at mid week, along middle, Upper Coast over weekend. Rainfall below normal except for slightly above normal in south central district. Temperatures within 3° of normal across State except for above normal in Blacklands.

Crops: Corn harvest active in Rio Grande Valley, continued northward into Coastal Bend. Growers in these areas expect to begin full scale harvest soon. Fields in northern part of State continued good growth due recent rains. Corn 69% doughed, 68% 1990, 67% avg. Corn 53% dented, 53% 1990, 57% avg.; 32% mature, 47% 1990, 33% avg.; 10% harvested, 16% 1990, 10% avg. Sorghum harvest winding down South Texas, coastal areas. Yields remained average, above average. Some harvesting started on early planted fields, producers expecting lower yields due early midge problems. High Plains fields finally received badly needed drink. Continued good progress. Sorghum 62% turning color, 55% 1990, 53% avg.; 45% mature, 41% 1990, 34% avg.; 31% harvested, 24% 1990, 21% avg. Cotton harvest active in South Texas. Upper Coast producers would like another little more precipitation for bolls to completely fill out. Fields across State in various stages of development, continued good progress. Cotton 8% open bolls, 6% 1990, 6% avg.; 2% harvested, 1% 1990, 1% avg. Rice harvest continued increase; 11% harvested, 1% 1990, 2% avg. Blacklands' soybean fields continued rapidly drying down for another week. Yield potential remained good with harvest underway some areas. Fields along Upper Coast also remained excellent, harvest started in some areas. Peanut fields on Low Plains continued pegging, setting nuts, while cultivating, irrigating practices continued. Other Field Crops: Oats 91% harvested, 100% 1990, 96% avg. Peanuts 99% planted, 100% 1990, 99% avg. Soybeans 100% planted, 100% 1990, 100% avg. Sunflowers 99% planted, 100% 1990, 97% avg.

Commercial Vegetables: Rio Grande Valley, preparations for fall planting continued. San Antonio Winter Garden, preparation for fall planting continued. Watermelon, cantaloupe harvest rapidly coming to close. Tomato, pepper harvest continued with few interruptions. East Texas, okra, field pea, watermelon, tomato, pepper, cantaloupe harvest continued. Planning for fall gardens underway. Producers concerned recent rains may hurt potato quality. Trans Pecos, pepper plants continued fruiting, could use some moisture. Tomato production limited due plants not fruiting very well. Cantaloupe harvest continued good yields. Pecan trees continued setting good crop of nuts, more moisture needed for nuts to fully develop. Normal insect, disease problems remained. Producers using control measures.

Range and Livestock: Generally, range, pasture conditions continued good shape for most part. Northern areas of State received badly needed moisture. Livestock remained good shape. Forage quality, quantity remained adequate. Second crop haying operations gearing up, producers would like to see a few slow soaking rains before starting up. Range, pasture 8% poor, 38% fair, 49% good, 5% excellent.

UTAH: Temperature maximums about 2° above normal in State, minimums .4° above normal. Light precipitation, none Dixie, Uinta Basin divisions.

Days suitable for fieldwork 6.6. Soil moisture 76% short, 24% adequate. Winter wheat 47% ripe, 69% 1990, 77% avg.; 9% harvested, 31% 1990, 32% avg. Spring wheat 71% turned color; 20% ripe, 50% 1990, 46% avg. Barley 79% turned; 21% ripe, 41% 1990, 59% avg. Oats 82% headed; 30% turned, 42% 1990, 51% avg. Corn 40.0 in. high, 44.9 in. 1990, 53.6 in. avg.; 7% tasseled, 20% 1990, 14% avg. Alfalfa second cutting 25% complete, 48% 1990, 48% avg. Other hay harvest continued at normal pace. Pasture, range mostly fair to good. Irrigation water supply 7% very short, 37% short, 56% adequate. Stockwater supply 51% short, 49% adequate. Hay, roughage 8% short, 87% adequate, 5% surplus.

VIRGINIA: Temperatures about 2° above normal. Extremes 51°; 98°. Rainfall varied none to 3.01 in.

Days suitable for fieldwork 6.1. Topsoil 27% very short, 45% short, 24% adequate, 4% surplus. Corn silked 60%, 47% 1990, 44% avg.; in dough stage 26%, 20% 1990, 16% avg.; 7% very poor, 24% poor, 44% fair, 24% good, 1% excellent. Soybeans 100% planted, 100% 1990, 94% avg.; 20% bloomed, 13% 1990, 11% avg.; pods 5%, 3% 1990, 5% avg.; 1% very poor, 39% poor, 33% fair, 27% good. Wheat 100% harvested, 100% 1990, 97% avg. Oats 97% harvested, 97% 1990, 84% avg. Potato harvest near 86% complete. Flue tobacco 4% harvested, 6% 1990, 3% avg. All tobacco 7% poor, 78% fair, 14% good, 1% excellent. Peanuts 25% poor, 50% good, 25% excellent. Alfalfa 18% poor, 42% fair, 34% good, 6% excellent. Other hay 5% very poor, 30% poor, 35% fair, 26% good, 4% excellent. Pastures 7% very poor, 27% poor, 49% fair, 15% good, 2% excellent. Livestock good.

WASHINGTON: Temperatures normal to 7° below normal east; normal to 3° below normal west. Precipitation 0.10 to 1.03 in. east; none to 0.19 in. west.

Days suitable for fieldwork 6.6. Soil moisture 63% short, 37% adequate. Hay, other roughage 7% very short, 3% short, 83% adequate, 7% surplus. Range, pasture 22% poor, 45% fair, 30% good, 3% excellent. Winter wheat 1% very poor, 42% fair, 55% good, 2% excellent. Spring wheat 41% fair, 55% good, 4% excellent. Barley 24% fair, 74% good; 2% excellent. Potato 100%

good. Dry bean 100% good. Corn 100% good. Alfalfa hay, 1st cutting 100%. Alfalfa hay, 2nd cutting 52%. Winter wheat harvested 1%. Barley harvested 2%. Potatoes harvested 1%. Dry peas harvested 2%. Small grains in eastern areas are at least in the soft dough stage. Few producers have begun harvesting barley; however, wheat is still a week to 10 days until harvest. Potato harvest started in central areas. Raspberry, apricot, cherry harvests continued. Range, pasture looks good across the State.

WEST VIRGINIA: Temperature 76°. Extremes 48°; 100°. Precipitation 0.44 in.

Days suitable for fieldwork 5.9. Soil moisture 32% very short, 58% short, 10% adequate. Wheat good; 90% harvested. Corn, 47% poor, 28% fair, 25% good; 43% silked. Oats fair; 72% ripe, 89% headed. Gardens, 6% poor, 47% fair, 47% good; 95% emerged. Tobacco, good. Hay, 19% poor, 76% fair, 5% good; 94% first cutting, 20% second cutting. Pastures, 23% very poor, 40% poor, 32% fair, 5% good; 69% of normal. Cattle, good. Sheep, good.

WISCONSIN: Temperature 75°, 4° above normal. Extremes 45°; 98°. Precipitation 0.50 to 3.50 in.

Days suitable for fieldwork 4.0. Soil moisture 33% short, 52% adequate, 15% surplus. Pasture 72% of normal, 85% 1990, 65% avg. General 1% very poor, 1% poor, 13% fair, 78% good, 7% excellent. Winter wheat 2% very poor, 4% poor, 32% fair, 55% good, 7% excellent. Corn 1% very poor, 4% poor, 15% fair, 64% good, 16% excellent; height 70 in., 50 in. 1990, 59 in. avg.; silked 53%, 3% 1990, 26% avg. Soybean 12% fair, 76% good, 12% excellent. Second crop hay 50% harvested, 37% 1990, 39% avg. Winter wheat harvested for grain 53%, 3% 1990, 26% avg. Oats harvested for grain 15%, 1% 1990, 10% avg.

WYOMING: Temperatures above normal. Precipitation below normal.

Days suitable for fieldwork 6.5 days. Topsoil 34% short, 66% adequate. Winter wheat 20% headed, 5% 1990, 10% avg.; 30% turning color, 35% 1990, 35% avg.; 40% mature, 45% 1990, 45% avg.; 10% harvested, 15% 1990, 10% avg. Barley 10% boot; 40% headed, 20% 1990, 30% avg.; 35% turning color, 45% 1990, 45% avg.; 15% mature, 30% 1990, 20% avg.; small amount harvested, 5% 1990. Spring wheat 5% boot; 50% headed, 35% 1990, 40% avg.; 40% turning color, 45% 1990, 40% avg.; 5% mature, 20% 1990, 20% avg.; 0% harvested, 0% 1990. Oats 15% boot; 55% headed, 55% 1990, 50% avg.; 20% turning color, 35% 1990, 30% avg.; 10% mature, 10% 1990, 10% avg.; 0% harvested, 0% 1990. Alfalfa first cutting 90% complete, 90% 1990, 90% avg.; second cutting 5% complete, 5% 1990. Other hay 45% harvested, 45% 1990, 50% avg. Dry beans 40% in bloom, 30% 1990, 30% avg. Potatoes 45% in bloom, 75% 1990, 45% avg. Corn 20% tasseled, 15% 1990, 15% avg.; 0% silked, 0% 1990. Livestock mostly good to excellent. Ranges, pastures good to excellent. Stockwater 10% short, 90% adequate.

International Weather and Crop Summary

HIGHLIGHTS

July 14 - 20, 1991

USSR ... In Western USSR, continued dry weather in the southern and eastern Ukraine helps early harvesting but limits moisture for summer crops. In the New Lands, widespread light rain brings temporary relief to drought stressed spring grains.

EUROPE ... Hot weather stresses Iberian crops. Favorable conditions generally prevail elsewhere.

EASTERN ASIA ... Drier weather prevails across the lower Yangtze Valley. Typhoon Amy hits southern China, but rains miss interior drought regions. Scattered thunderstorms move across the North China Plain.

SOUTHEAST ASIA ... Unfavorably warm, dry weather stresses Thailand's grains. Typhoon Amy brings heavy rain to the northern Philippines.

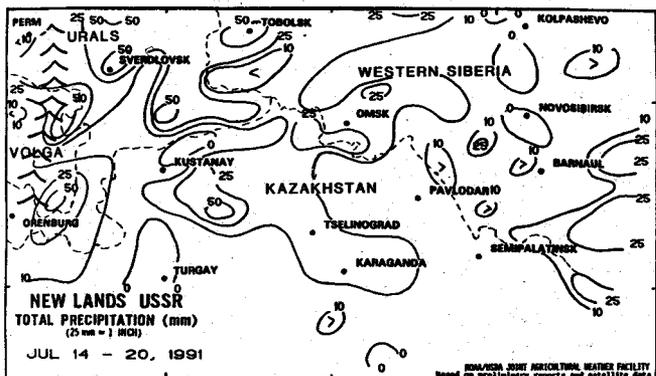
SOUTH ASIA ... Much needed rain favors late cotton, oilseed, and grain planting in north-central and western India.

SOUTH AMERICA ... Soybean harvest progresses in Argentina, before mid-week rain.

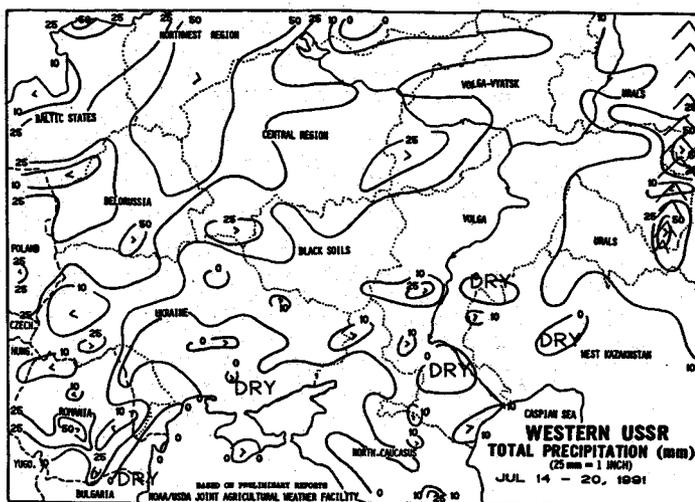
AUSTRALIA ... Dry conditions are returning to the northeastern winter grain regions; as favorable conditions continue elsewhere.

CANADA ... Conditions are generally favorable across the Prairies for vegetative to reproductive grains and oilseeds.

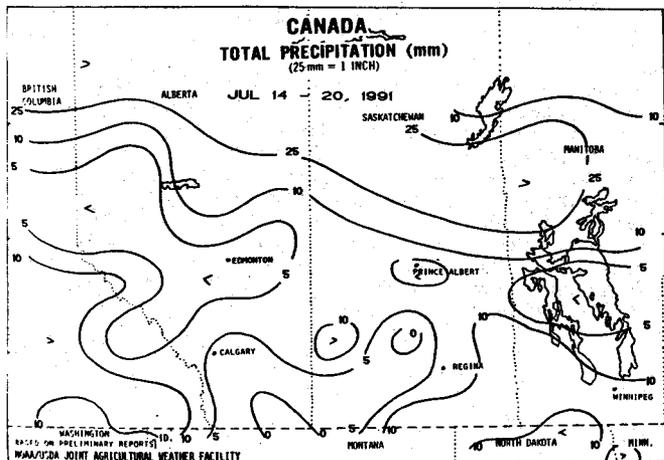
MEXICO ... Widespread rains continue throughout the country.



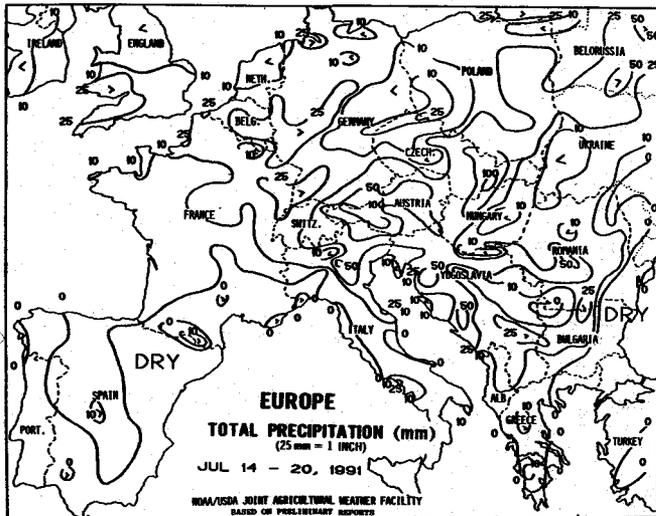
In the New Lands, widespread light to moderate rain fell over most spring grain areas. Precipitation amounts in the drought stricken areas of the southern Urals, Kazakhstan, and parts of Western Siberia were generally light (10-20mm), although localized areas did receive rainfall in excess of 25mm. The rain in these areas brought temporary relief to spring grains in the filling stage. Beneficial rain (25-50mm) continued over crop areas in the northern Urals. Weekly average temperatures were 1-2 degrees Celsius (C) below normal in the west and 2-4 degrees C above normal in the east, promoting crop development.



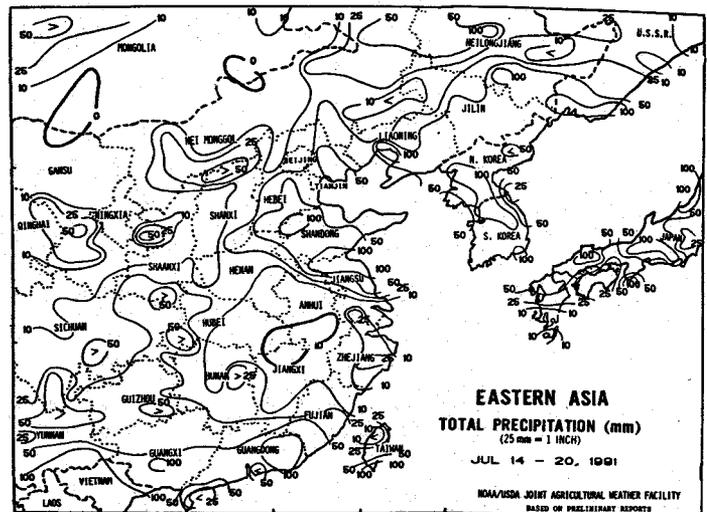
USSR ... In Western USSR, a frontal system tracked eastward across the region, bringing slightly cooler weather and localized precipitation. Greatest amounts of rain (10-60mm, with locally heavier amounts) benefited immature crops in the western Ukraine, Belorussia, the Baltic States, the Central Region, and the southern Volga Vyatsk Region. While dry weather in the southern and eastern Ukraine helped early winter and spring grain harvesting, moisture reserves were becoming limited for corn and sunflowers in the reproductive to filling stages. Continued dry weather over most of the Volga hastened spring grain maturation. Weekly average temperatures over the region were near normal.



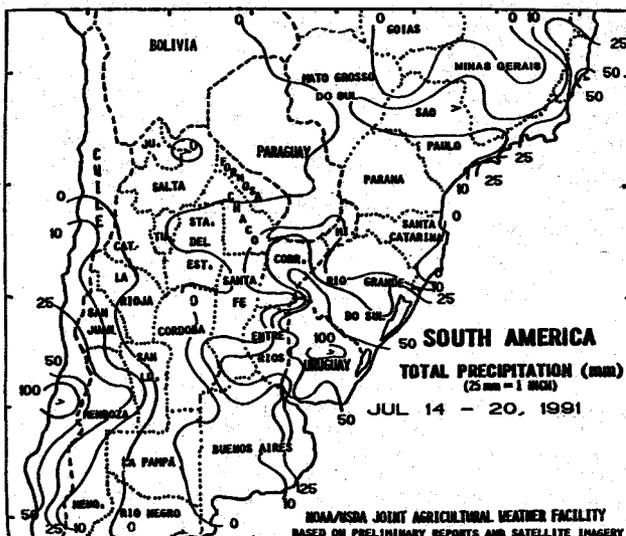
CANADA ... Rain continued to taper off across the Prairies, although light to moderate rain (10-22mm) fell over the wet areas of eastern Saskatchewan and Manitoba. Drier weather continued further west, with only isolated areas receiving more than 10mm. This week's drier weather and near- to above-normal temperatures across the Prairies were favorable for growth of vegetative to reproductive grains and oilseeds.



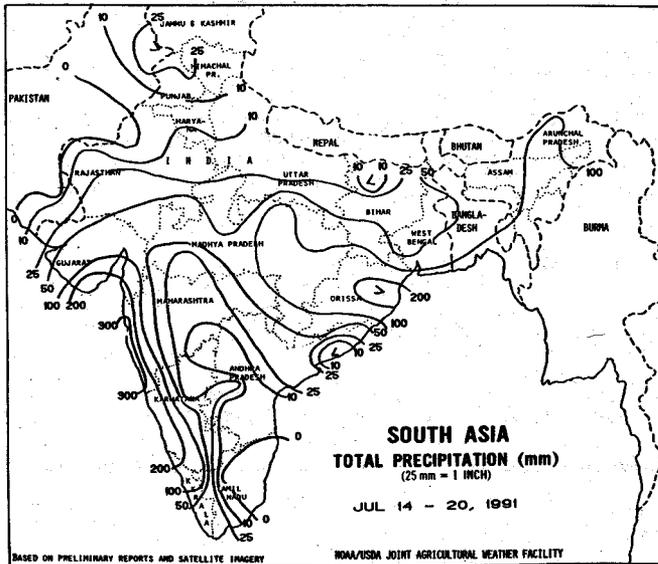
EUROPE ... Hot weather and seasonable dryness persisted in the Iberian peninsula, with daytime high temperatures ranging from the middle 30's to low 40's C and weekly average temperatures 4-8 degrees C above normal. The oppressive heat maintained severe stress conditions for immature crops and livestock. Scattered, mostly light showers caused little or no winter grain harvest delays from central France across the Mediterranean region to Greece. Soil moisture is limited for corn in southern France. Widespread showers (10-50mm) maintained adequate moisture for reproductive spring grains across northern Europe and reproductive to filling crops in the southeast. Locally heavier rain (50-100mm or more) soaked eastern Czechoslovakia, Austria, and scattered areas of the southeast. Warm weather favored crop development throughout Europe, with weekly average temperatures generally near normal. Crop development lags about a week behind schedule.



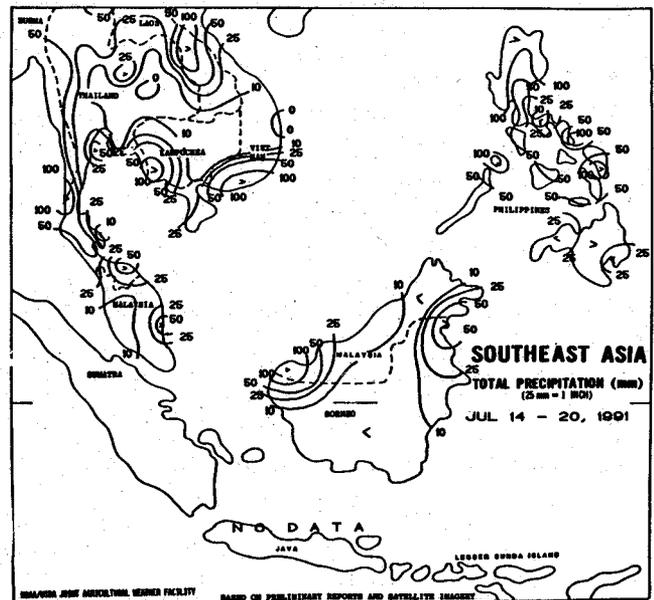
EASTERN ASIA ... Typhoon Amy made landfall near Shantou, Guangdong in southern China, with sustained winds of 175-194 kph (109-121 mph), bringing 38-159mm to Guangdong and southwestern Fujian (local amounts up to 250mm) and probably causing minor wind damage to sugarcane and rice. Before striking mainland China, Amy brushed southern Taiwan with slightly stronger winds and heavy rains (100-210mm). Beneficial moderate rains (13-45mm) fell across southern Hunan as the storm rapidly disintegrated over the mountains, however, giving drought stricken Jiangxi little or no rain. Drier and warmer weather finally prevailed across the lower Yangtze Valley helping to lower flood levels. Heavy thunderstorms (61-151mm) swept across northeastern Jiangsu, Shandong, and southern Hebei, causing local flooding and possible isolated damage to corn, soybeans, and cotton, with continued harvest delays to winter wheat in Hebei. Scattered showers (12-57mm) fell throughout Manchuria, with heavy amounts in southern Liaoning (116-137mm), aiding vegetative soybeans, corn, and grain-filling spring wheat. Heavy rains (141-211mm) fell in portions of North and South Korea, causing local flooding. Seasonal rains continue throughout Japan.



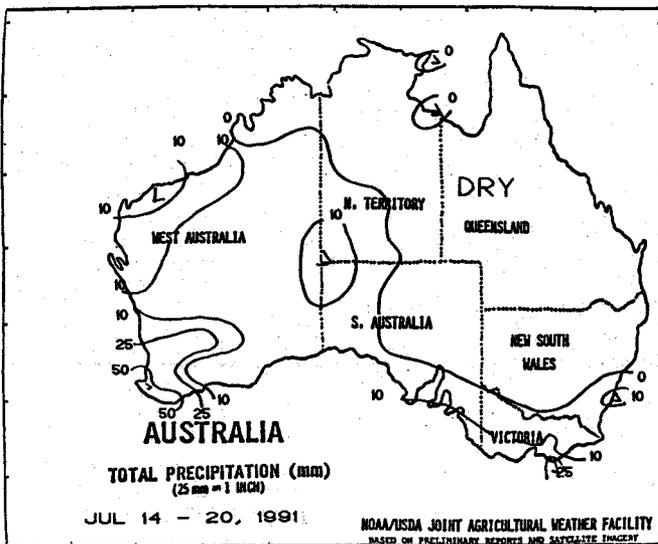
SOUTH AMERICA ... In Argentina, light to moderate midweek rains (7-28mm) fell across southern Santa Fe and northern Buenos Aires, slowing soybean harvesting which had made rapid early-week progress. Further to the south in central and southern Buenos Aires, drier weather enabled winter wheat planting to progress. In southern Brazil, little or no rain fell throughout Parana, Santa Catarina, and northern Rio Grande do Sul, aiding winter wheat planting which should be near completion. Light to moderate rains (8-43mm) hampered coffee and citrus harvesting in Sao Paulo, Minas Gerais, and Rio de Janeiro. Temperatures were 1-2 degrees C below normal in central Argentina and 1-3 degrees C above normal in Sao Paulo and Minas Gerais.



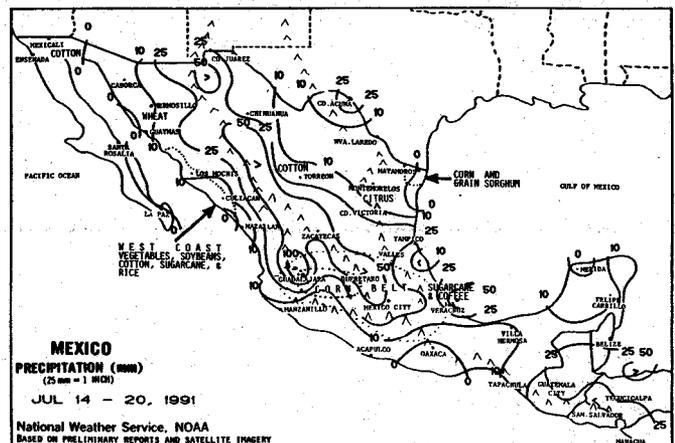
SOUTH ASIA ... Monsoon activity increased, bringing highly beneficial showers (25-50mm or more) to primary grain, oilseed, and cotton regions of western and north-central India, improving conditions for late planting and establishment. Excessive rain (100-274mm) caused local flooding along Gujarat's coast and in rice areas of eastern Madhya Pradesh. Drier- and warmer-than-normal weather persisted over northern India from Punjab to western Uttar Pradesh, but beneficial rain (21-43mm) improved local irrigation reserves in Pakistan's Punjab state. To the south, seasonably heavy rain (100-300mm or more) continued along the southwest coast but pockets of drier-than-normal weather (25mm or less) persisted over much of the southern interior. Moderate to heavy rain (50-207mm) returned to most rice regions from Orissa eastward, increasing irrigation reserves but causing additional flooding in Bangladesh.



SOUTHEAST ASIA ... Much below-normal rainfall (10mm or less) dominated Thailand's central and eastern rice and corn regions, continuing the progressive drying trend that has reduced moisture for normal growth. Daily temperatures of 35-38 degrees C worsened the stress on reproductive to filling grains. Further north, moderate to heavy showers (35-105mm) caused mainly by the remnants of Tropical Storm Zeke stretched from Thailand's Northern Hills to northern Vietnam, improving irrigation reserves. Elsewhere in Indochina, seasonable showers (25-100mm or more) were reported in southern Vietnam and peninsular Thailand. In the Philippines, moderate to heavy showers (50-158mm) covered many primary crop regions of Luzon and the central islands as Typhoon Amy passed to the northeast of the islands. The rain was the heaviest and most widespread of the season and, despite local flooding, benefited Luzon's rice and corn regions. By week's end, Typhoon Brendan was approaching Luzon.



AUSTRALIA ... Queensland and northern New South Wales received little or no rain for the past week, further depleting soil moisture for winter wheat germination and establishment. Light showers (less than 10mm) fell across South Australia and Victoria. Western Australia received 10-35mm of rainfall, as favorable growing conditions continued.



MEXICO ... Widespread moderate to heavy rains (22-103mm) fell across the Southern Plateau Corn Belt, keeping soil moisture levels favorable for corn. Northwestern mountain areas received 20-52mm, further aiding reservoir levels for the West Coast crop areas.

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(Continued from front cover)

Thursday's high of 93° F was the hottest reading since the summer of 1988. Isolated heavy rainfall inundated parts of the **Southeast**. Over 7 inches of rain deluged **Elberton, GA**, in 9 hours on Tuesday. Heavy rain caused flooding in portions of **northern Florida**. Elsewhere, clusters of storms raced across the **U.S.-Canadian border** and cool weather returned to the **West**. Midweek rainfall topped 3 inches in **La Crosse, WI**, and Thursday's maximum temperature was only 72° F in **Los Angeles, CA**. At week's end, isolated convection developed along a cold front from the **Great Lakes** to the **central Rockies**, and across parts of the South. Nearly 4 inches of rain drenched **Hosston, LA**, in 1 hour on Friday, while 3 inches of precipitation fell north of **West Palm Beach**. Elsewhere, showers and thunderstorms produced up to 2 inches of rain across parts of **Arizona**. Meanwhile, record-breaking heat enveloped much of the **East** on Friday and Saturday, with over 2 dozen record daily highs established from **Florida** to **Maine**. Temperatures exceeding 100° F were observed across parts of **central and southern New England**. The high soared above the century mark for the fourth consecutive day at **Dambury, CT**, on Saturday. **Caribou, ME**, reported the warmest readings in 14 years when the high hit 95° F on Friday and Saturday. In sharp contrast, cool conditions persisted across parts of the **West**. **Los Angeles, CA**, observed a second consecutive day of highs in the seventies on Friday. Farther north, the mercury dipped to a record low of 40° F Saturday morning at **Kalispell, MT**.

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melons were available in Florida, and field preparation for fall crops was active. Summer vegetables and melons were also being harvested in the Northeast. Fresh market vegetables were 2 weeks behind normal in Oregon with lettuce, cauliflower, and snap bean harvesting starting in portions of the Willamette Valley.

PASTURES AND LIVESTOCK: Pasture and range condition was good to excellent in the Southeast and Gulf regions, and generally good from the Pacific Northwest through the northern Great Plains. Conditions were fair in the southern Plains, and poor to fair from the Ohio Valley through the Northeast.

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