

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

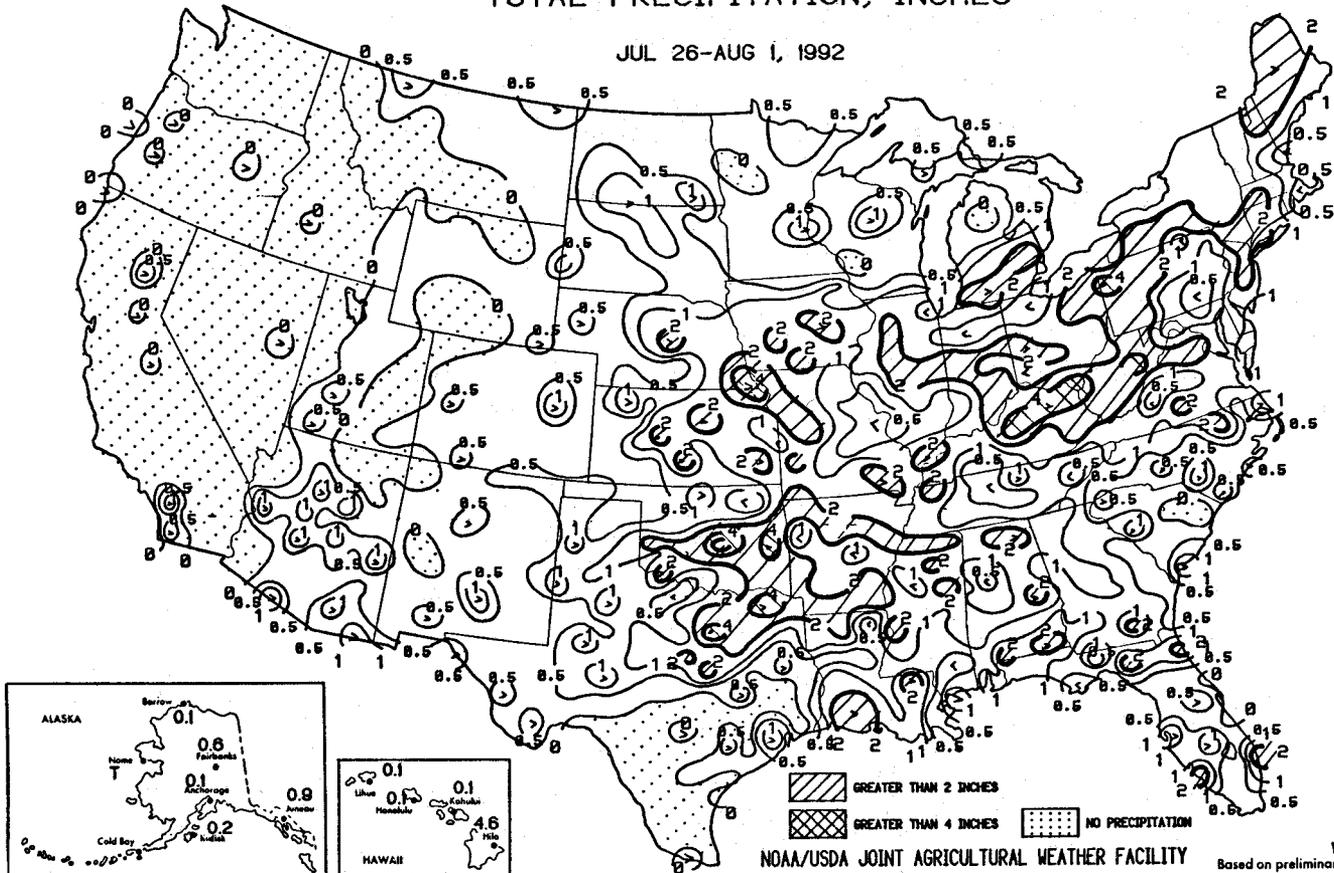
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August 4, 1992

TOTAL PRECIPITATION, INCHES

JUL 26-AUG 1, 1992



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

HIGHLIGHTS

July 26 - August 1, 1992

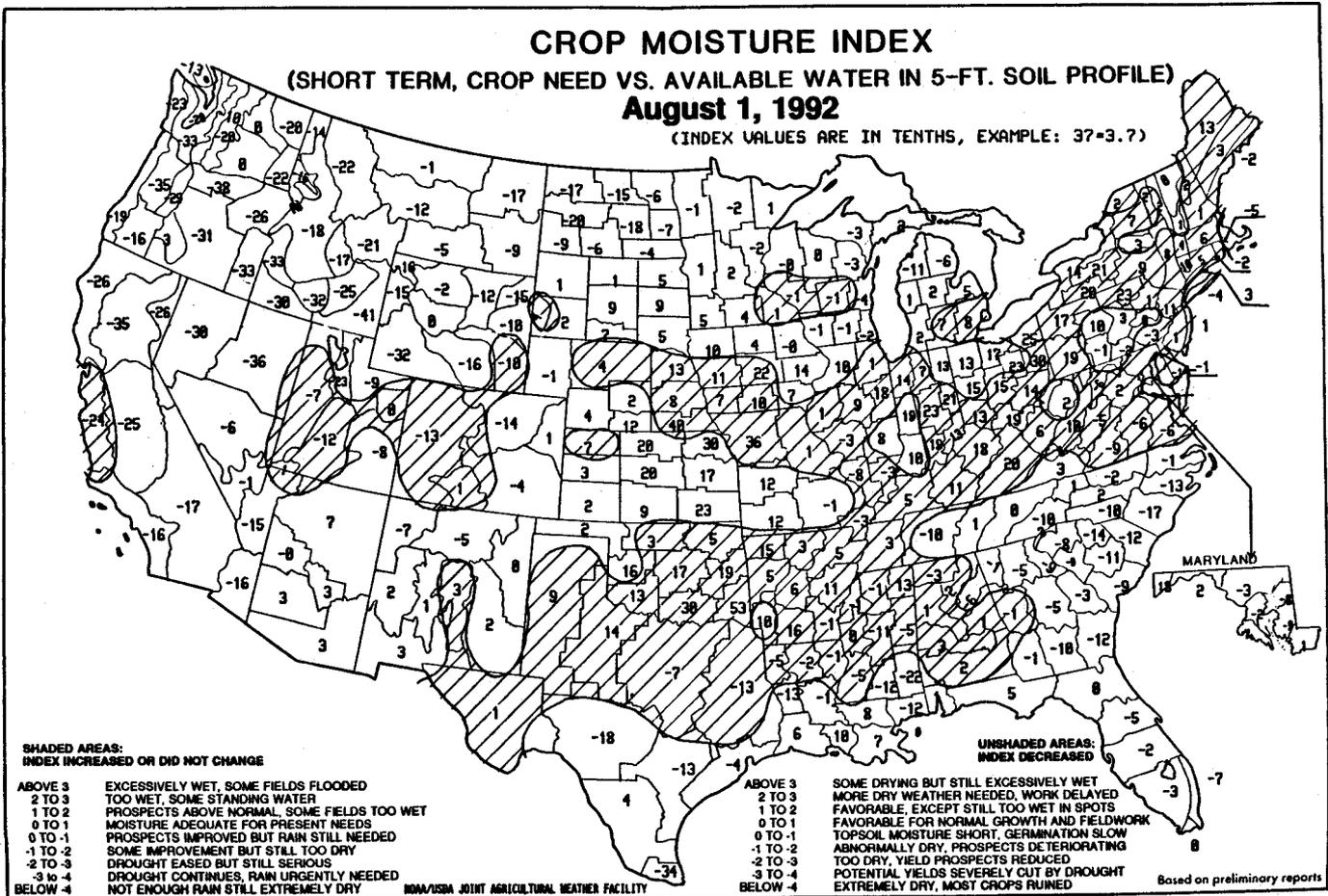
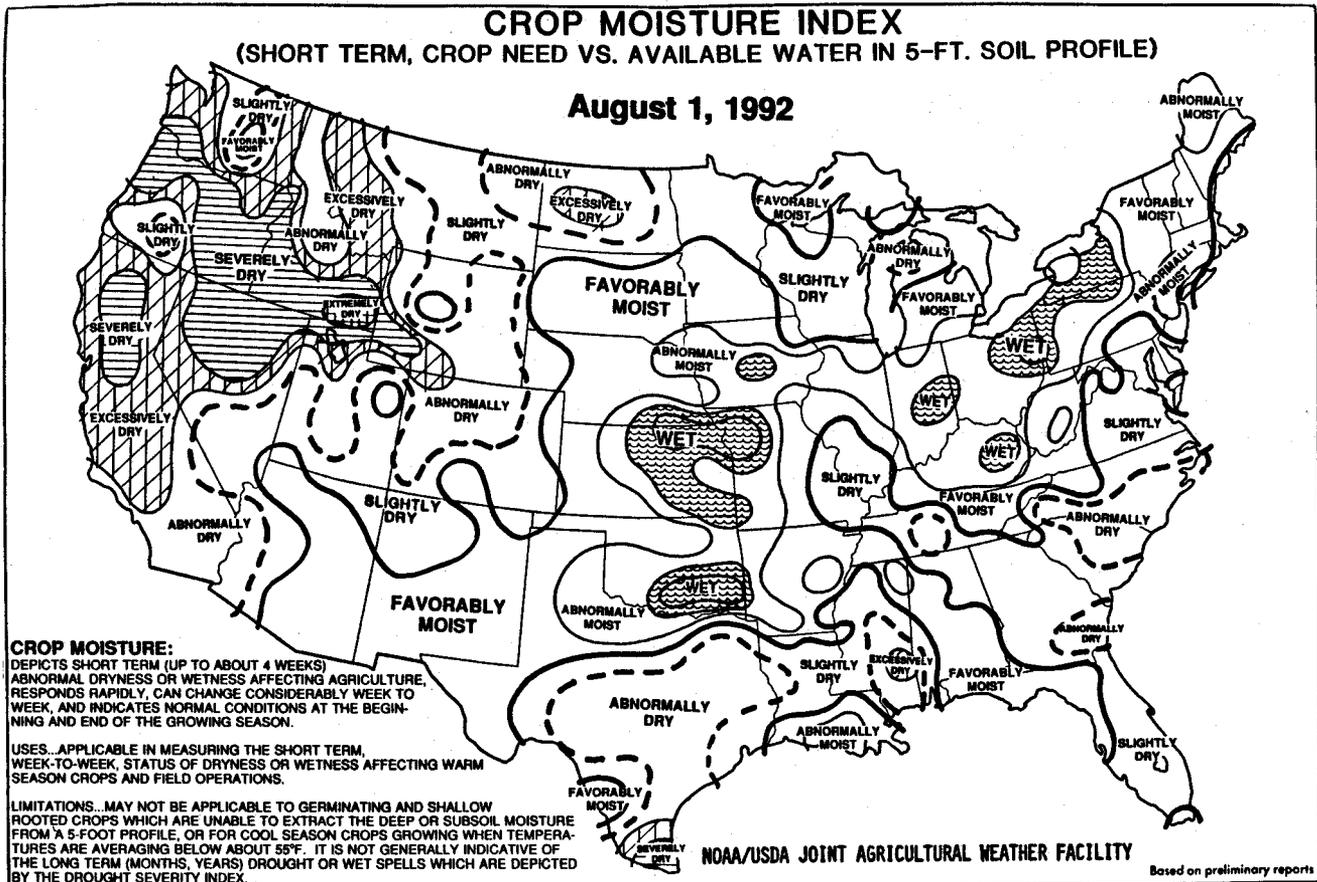
A pair of cold fronts slipped southward east of the **Rockies**, generating heavy rains and allowing cool air to retain its grip. The **West Coast States** were hot and dry, increasing the risk of wildfires. Early in the week, thunderstorms flared from **Texas** to the **Middle Atlantic States**. Parts of **West Virginia** and **Kentucky** were deluged with more than 4 inches of rain, as was **northeastern Texas**. Only the **Southeastern States** were unusually warm, highlighted by the first of five consecutive daily record highs in **Daytona Beach, FL**. At midweek, the first front's strength flagged as a stronger system pushed into the **North Central States**. Heavy rains developed from the **east-central Plains** to **New York**, adding to July rainfall records in places such as **Columbus, OH**, **Moline, IL**, and **Kansas City, MO**. Chilly air trailed the front, sending **St. Cloud, MN**, to a daily record of 43°F, but heat pushed into the **Northwest**, catapulting **Medford, OR**, to 104°F.

Late in the week, heavy rain overspread the **Northeast**, causing minor flooding. **Mt. Holly, NJ**, recorded 3.54 inches. A sharp temperature contrast persisted across the **Rockies**, as **Boise, ID**, heated to 106°F on Friday, while a dozen cities from the **central Rockies** eastward set record lows for August 1. **Fort Wayne, IN**, registered 49°F.

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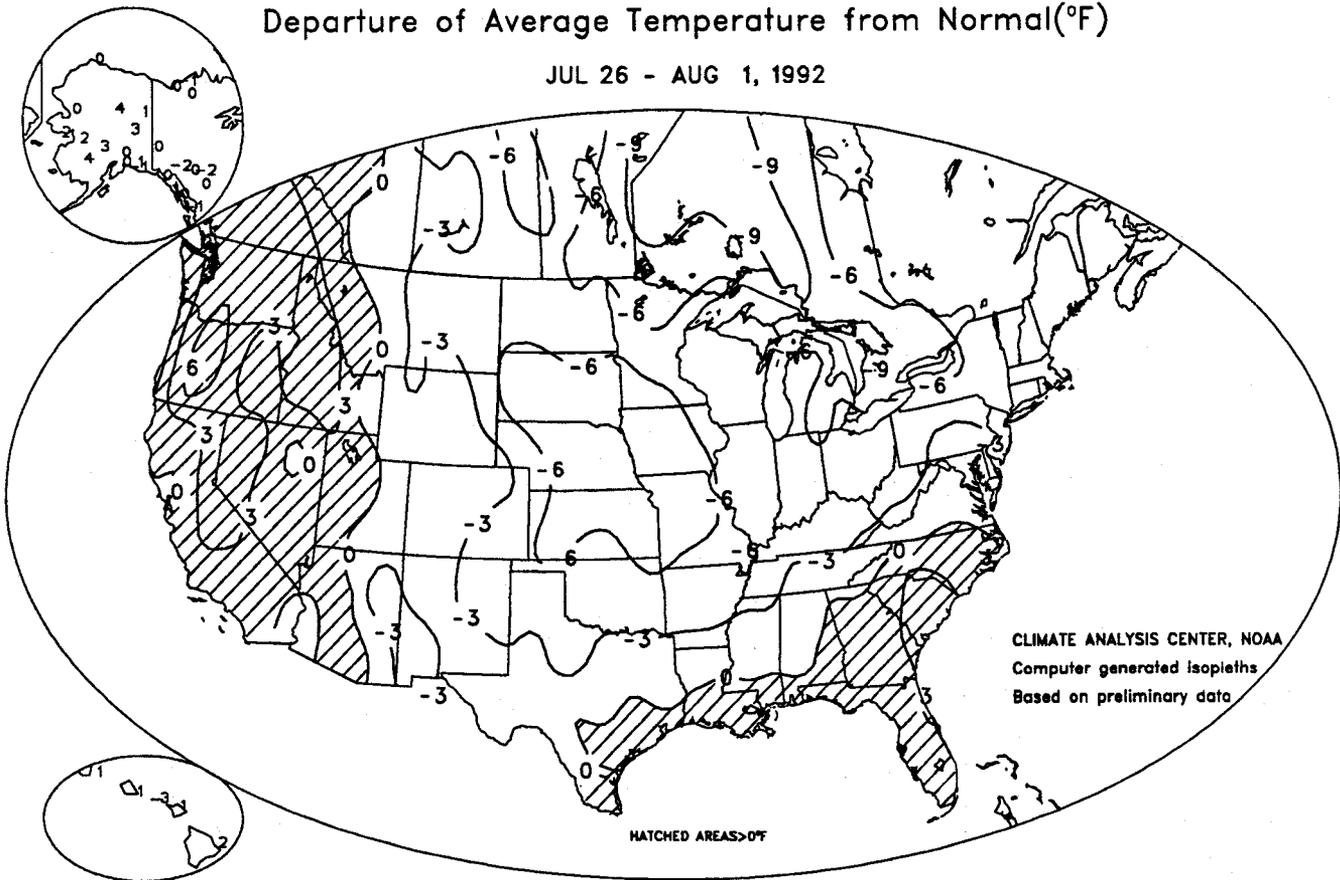
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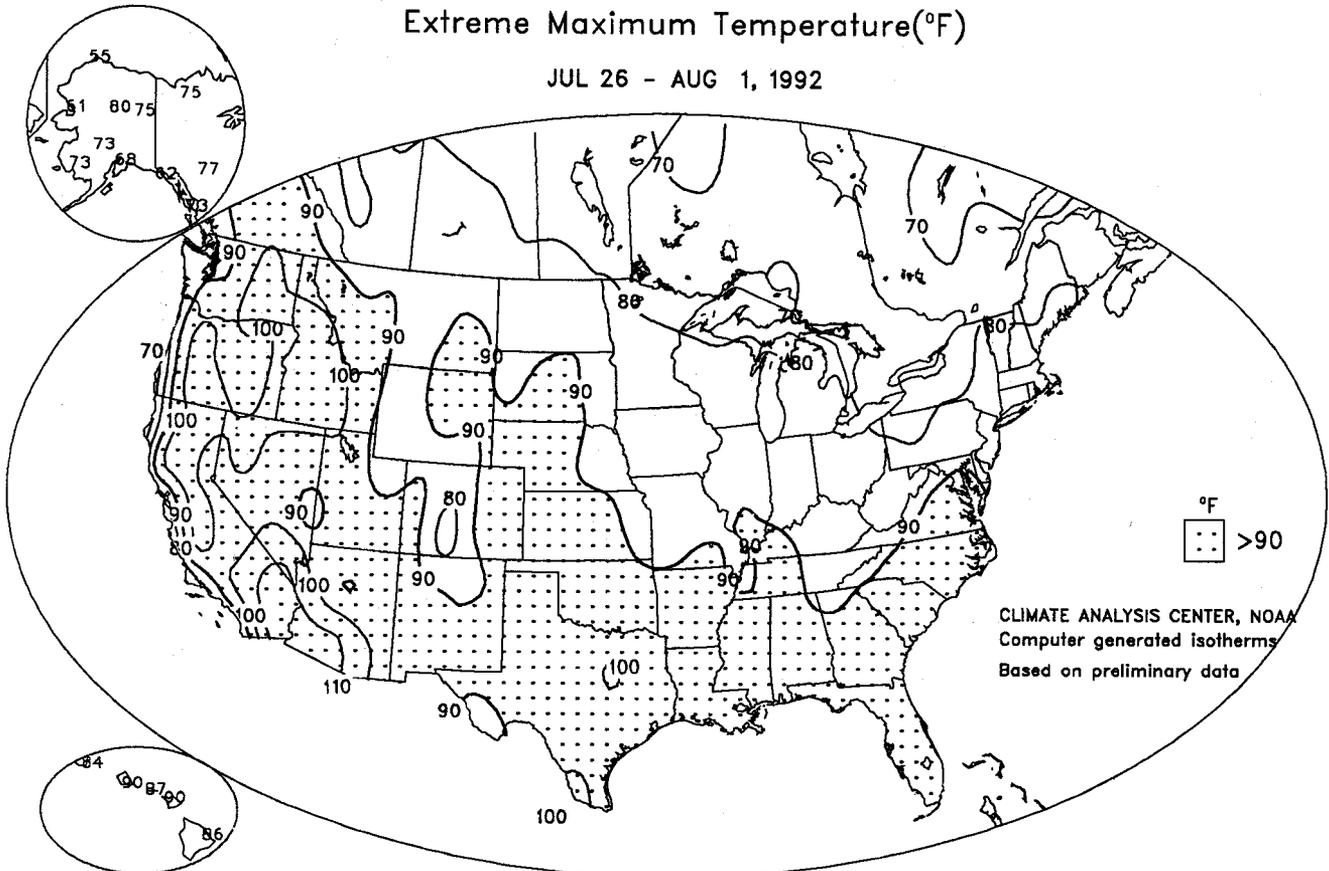
Departure of Average Temperature from Normal(°F)

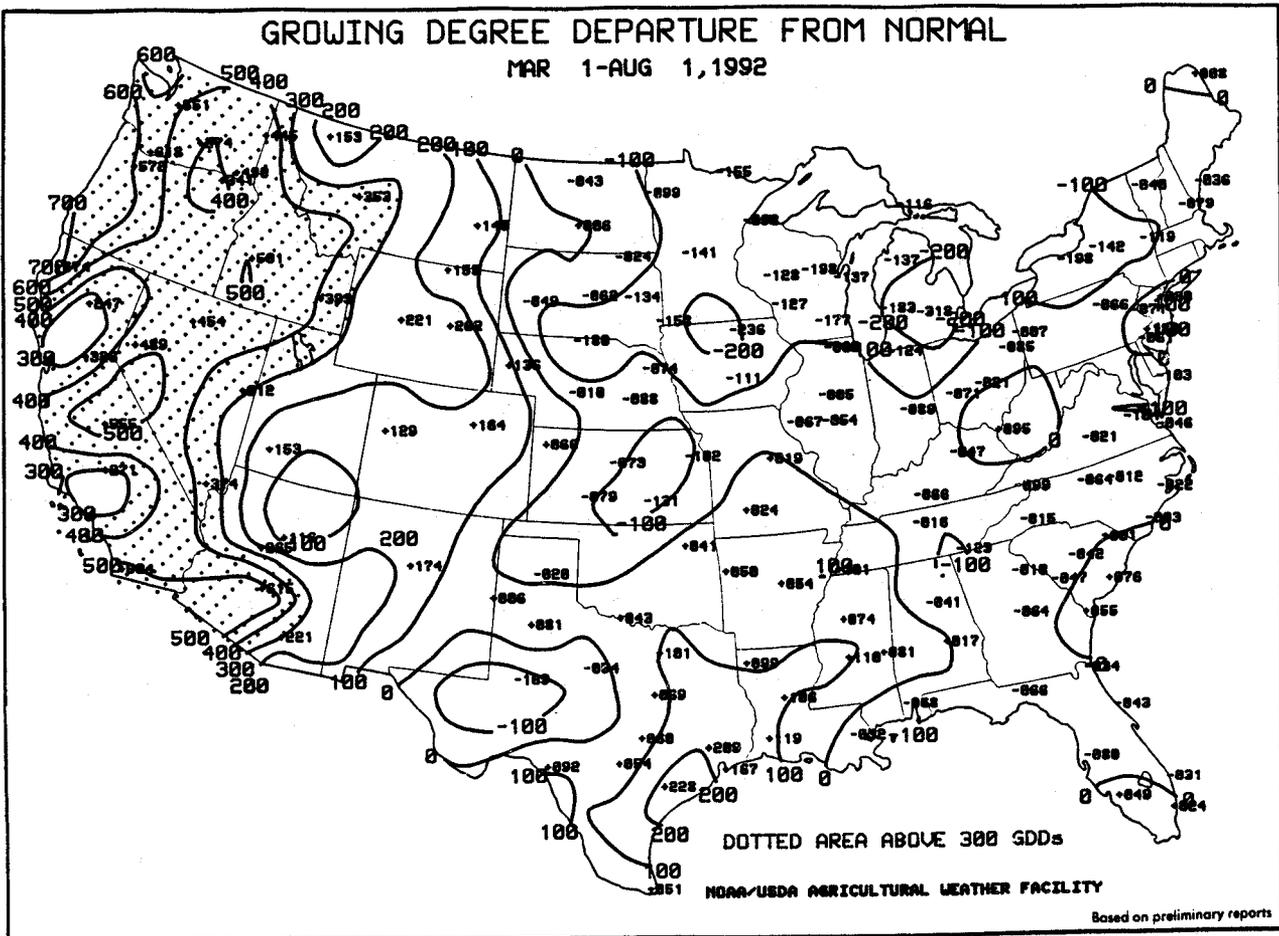
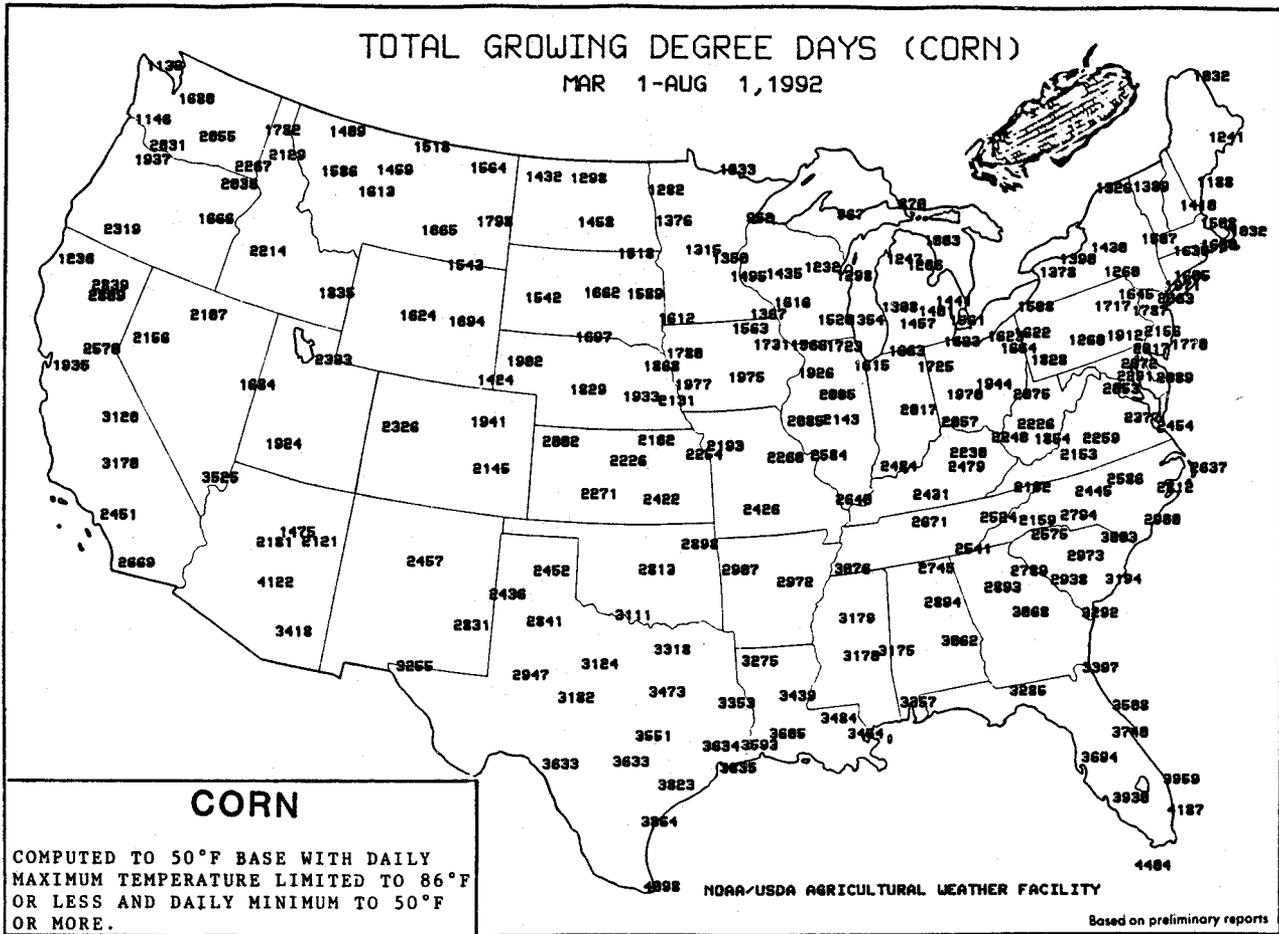
JUL 26 - AUG 1, 1992



Extreme Maximum Temperature(°F)

JUL 26 - AUG 1, 1992





National Weather Data for Selected Cities

Weather Data for the Week Ending August 1, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT			NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	71	91	63	80	-1	1.6	.5	1.3	13.2	144	28.1	80	98	58	4	0	3	1			
MOBILE	91	73	92	71	82	0	1.1	-.6	.9	13.0	100	40.0	100	97	58	7	0	4	1			
MONTGOMERY	90	72	92	69	81	-1	1.1	-.1	.9	15.1	182	39.2	125	97	60	5	0	3	1			
AK ANCHORAGE	65	52	68	49	59	0	.1	-.4	.0	2.0	64	5.2	78	91	53	0	0	2	0			
BARROW	48	30	55	25	39	0	.1	-.1	.1	.5	36	.9	45	98	67	0	5	3	0			
FAIRBANKS	74	53	77	48	64	3	.6	-.2	.4	4.5	141	7.8	144	96	46	0	0	4	0			
JUNEAU	61	50	70	44	56	0	2.3	1.3	2.3	14.0	193	48.9	201	97	70	0	0	1	1			
KODIAK	60	50	61	43	55	0	.2	-.7	.1	7.7	99	34.2	108	99	74	0	0	3	0			
NOME	63	44	68	35	53	2	.2	-.6	T	1.0	30	3.4	52	89	55	0	0	0	0			
AZ PHOENIX	105	83	111	81	94	2	T	-.2	T	3.0	319	9.5	281	56	25	7	0	1	0			
PRESCOTT	90	60	93	57	75	0	1.2	.5	.5	2.1	61	9.5	139	81	26	3	0	5	0			
TUCSON	100	74	107	72	87	2	.2	-.4	-.2	1.2	43	7.7	143	68	24	7	0	1	0			
YUMA	108	83	116	75	96	1	.0	-.1	.0	.0	0	3.2	301	77	24	7	0	0	0			
AR FORT SMITH	89	69	95	63	79	-3	.9	-.2	.4	12.9	188	27.5	114	97	64	2	0	3	0			
LITTLE ROCK	86	71	93	66	79	-4	.6	-.1	-.2	11.0	151	28.2	93	87	64	0	0	5	0			
CA BAKERSFIELD	101	70	103	66	86	1	.0	.0	.0	T	50	5.7	147	57	17	7	0	0	0			
EUREKA	63	53	66	51	58	1	T	.0	T	1.5	245	15.3	69	95	76	0	0	0	0			
FRESNO	102	68	105	63	85	4	.0	.0	.0	.2	367	9.2	132	65	20	0	0	0	0			
LOS ANGELES	74	65	77	64	70	-1	T	.0	T	.3	>1000	11.9	144	94	70	0	0	0	0			
REDDING	103	64	107	57	84	0	.0	.0	.0	1.7	168	20.2	82	70	14	0	0	0	0			
SACRAMENTO	96	57	102	53	77	1	.0	.0	.0	.3	231	10.1	95	83	21	6	0	0	0			
SAN DIEGO	76	67	78	66	72	0	.0	.0	.0	.1	175	10.0	163	87	67	0	0	0	0			
SAN FRANCISCO	69	55	71	53	62	-1	T	.0	T	.4	355	13.3	107	96	61	0	0	1	0			
CO DENVER	87	57	91	54	72	-2	.8	-.4	T	4.2	120	10.7	105	78	21	6	0	0	0			
GRAND JUNCTION	94	61	96	56	77	-2	.0	-.2	.0	1.2	131	5.4	128	50	12	5	0	0	0			
PUEBLO	90	55	97	50	73	-4	.2	-.3	.2	4.5	148	6.9	103	81	25	5	0	3	2			
CT BRIDGEPORT	78	64	84	60	71	-3	1.4	.5	.6	8.9	138	21.3	89	92	60	0	0	0	0			
HARTFORD	79	59	86	56	69	-5	1.6	.8	1.4	10.4	159	25.5	103	94	52	0	0	3	1			
DC WASHINGTON	86	68	91	64	77	-2	1.0	.1	.7	7.7	104	22.2	98	88	54	1	0	2	0			
FL APALACHICOLA	93	76	96	74	85	3	.1	-1.6	.1	9.2	75	27.6	93	93	45	0	0	0	0			
DAYTONA BEACH	97	74	98	73	85	4	T	-1.3	T	10.8	89	23.2	88	95	45	7	0	0	0			
JACKSONVILLE	95	75	96	72	85	2	.2	-1.4	.2	10.4	83	34.2	115	93	49	7	0	2	0			
KEY WEST	90	81	91	78	86	1	1.2	-.6	.1	13.0	149	20.3	109	79	59	5	0	3	1			
MIAMI	92	78	93	76	85	2	1.4	-.1	.8	17.5	115	26.5	85	87	53	7	0	3	0			
ORLANDO	96	74	97	72	85	2	.6	-1.1	.4	11.4	75	29.2	97	97	43	7	0	2	0			
TALLAHASSEE	93	72	95	69	83	1	.1	-1.8	.1	18.1	116	40.6	101	99	54	7	0	1	0			
TAMPA	92	75	93	74	83	1	1.2	-.5	1.2	11.1	85	19.4	72	92	49	7	0	1	1			
WEST PALM BEACH	92	74	93	72	83	0	2.1	-.9	2.1	19.0	135	30.8	98	95	52	7	0	2	0			
GA ATLANTA	88	71	91	67	80	1	.8	-.2	.5	13.2	160	27.3	85	99	56	1	0	3	0			
AUGUSTA	94	72	95	69	83	2	T	-1.0	T	11.9	142	28.5	100	97	47	7	0	1	0			
MACON	92	73	93	70	82	1	.8	-.2	.6	15.4	184	32.6	110	97	53	7	0	3	0			
SAVANNAH	96	75	96	73	86	4	T	-1.6	T	15.1	113	32.0	102	91	47	7	0	1	0			
HI HILO	84	72	86	69	78	2	4.6	2.3	1.5	26.3	173	42.5	57	96	67	0	0	6	3			
HONOLULU	89	75	90	71	82	2	.1	-.1	.1	1.9	184	5.6	41	78	51	2	0	1	0			
KARULUI	87	73	90	70	80	1	-.1	-.1	.1	.9	152	7.2	60	91	60	1	0	3	0			
LIHUE	85	75	85	73	80	1	-.1	-.4	.1	2.8	75	14.3	59	84	63	0	0	1	0			
ID BOISE	99	60	106	52	79	4	.0	.0	.0	2.1	188	4.2	59	43	13	7	0	0	0			
LEWISTON	97	63	104	60	80	5	.0	-.1	.0	2.0	104	6.1	78	51	15	7	0	0	0			
POCATELLO	94	51	99	47	73	0	T	-.1	T	2.1	139	4.3	65	57	11	7	0	0	0			
IL CHICAGO	77	59	84	58	68	-5	.9	-.1	.8	5.1	67	12.6	62	94	54	0	0	3	1			
MOLINE	79	60	86	55	69	-5	1.7	.7	1.0	13.9	149	21.2	92	99	57	0	0	3	2			
PEORIA	80	62	85	55	71	-4	2.0	1.2	1.6	9.0	113	16.6	77	97	60	0	0	3	1			
QUINCY	79	62	84	55	70	-6	.3	-.7	.2	7.1	83	17.3	76	96	55	0	0	3	0			
ROCHFORD	77	59	83	54	68	-5	1.1	.2	1.0	6.3	69	14.8	66	93	53	0	0	3	1			
SPRINGFIELD	82	62	87	54	72	-4	2.1	1.3	1.6	9.2	128	17.5	83	99	59	0	0	3	1			
IN EVANSVILLE	86	66	91	57	76	-2	1.1	.3	1.1	9.8	130	21.3	80	95	52	1	0	2	1			
FORT WAYNE	77	58	83	49	68	-6	.7	-.1	.5	8.7	121	21.6	101	98	57	0	0	4	0			
INDIANAPOLIS	80	62	84	53	71	-4	1.5	.6	.7	15.9	188	26.8	109	99	61	0	0	3	2			
SOUTH BEND	76	58	83	53	67	-5	1.3	.5	.7	7.0	90	16.6	75	96	54	0	0	3	2			
IA DES MOINES	79	60	85	54	70	-7	1.2	.4	.6	8.8	118	19.4	102	97	56	0	0	3	2			
SIOUX CITY	78	57	83	50	68	-8	1.2	.5	1.2	7.6	102	17.1	103	99	58	0	0	3	1			
WATERLOO	77	57	83	50	67	-6	.7	-.3	.6	7.8	86	18.0	86	96	58	0	0	2	1			
KS CONCORDIA	84	62	90	55	73	-7	1.1	-.4	.9	17.8	232	27.5	158	96	50	1	0	4	1			
DODGE CITY	87	62	94	57	74	-6	.3	-.3	.3	9.6	158	15.1	110	93	42	2	0	1	0			
GOODLAND	88	58	94	53	73	-3	.1	-.4	.1	10.8	210	14.8	134	90	33	3	0	1	0			
TOPEKA	84	62	88	55	73	-6	1.0	.2	.7	9.7	105	22.1	107	98	53	0	0	2	1			
WICHITA	87	65	94	62	76	-6	.8	.0	.5	12.5	163	22.1	125	95	47	2	0	3	0			
KY BOWLING GREEN	83	65	90	58	74	-5	4.5	-.4	.3	6.6	74	23.7	75	98	61	1	0	4	0			
LEXINGTON	80	63	83	57	72	-5	4.4	3.3	1.6	18.0	193	35.0	119	97	62	0	0	4	4			
LOUISVILLE	84	65	87	60	75	-3	3.4	2.5	2.0	9.5	123	25.3	92	93	56	0	0	4	3			
LA ALEXANDRIA	91	75	93	74	83	0	1.3	.3	1.3	6.2	72	31.7	95	93	52	6	0	1	1			
BATON ROUGE	93	76	95	73	84	2	.6	-.9	.5	21.1	201	47.2	135	98	57	7	0	4	0			
LAKE CHARLES	91	75	92	71	83	1	3.1	1.9	1.6	15.8	165	44.7	148	99	62	7	0	4	2			
NEW ORLEANS	92	75	94	72	83	1	.1	-1.4	.1	15.3	132	44.4	123	96	55	7	0	2	0			

Based on 1951-80 normals.

Weather Data for the Week Ending August 1, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	93	73	96	68	83	-1	1.7	1.0	1.5	7.3	103	30.4	109	97	50	6	0	2	1	
ME CARIBOU	70	54	75	47	62	-3	3.0	2.1	1.3	10.4	141	23.2	117	95	64	0	0	6	3	
PORTLAND	76	57	85	52	66	-2	.7	.1	.7	8.1	136	23.8	98	96	52	0	0	2	1	
MD BALTIMORE	85	66	91	61	76	-2	.5	.5	.3	7.0	89	20.0	82	99	62	1	0	2	0	
SALISBURY	85	65	89	58	75	-2	.7	.5	.5	7.6	92	21.8	85	100	56	0	0	2	0	
MA BOSTON	79	63	86	60	71	-3	.5	.5	.5	7.3	128	20.0	81	87	47	0	0	3	0	
CHATEAM	72	61	75	56	67	-2	.3	.5	.2	7.4	127	18.6	71	89	67	0	0	3	0	
MI ALPENA	76	48	81	40	62	-5	1.3	.7	.2	5.1	80	13.7	82	96	44	0	0	2	0	
DETROIT	76	58	82	53	67	-5	1.1	.4	.5	8.3	126	20.6	111	94	53	0	0	4	1	
FLINT	76	55	82	50	66	-5	2.5	1.8	2.1	11.6	190	22.3	131	96	52	0	0	4	1	
GRAND RAPIDS	76	57	82	53	66	-6	1.4	.7	.6	10.4	156	21.9	114	99	55	0	0	3	1	
BOUGHTON LAKE	74	51	81	44	63	-5	T	.7	T	4.7	77	12.8	80	86	48	0	0	0	0	
LANSING	76	54	82	48	65	-6	1.4	.9	.9	8.5	131	20.7	120	98	57	0	0	3	2	
MARQUETTE	72	49	80	44	61	-4	.4	.3	.4	5.5	77	16.0	74	92	52	0	0	2	0	
MUSKOGON	75	57	80	52	66	-5	.4	.2	.2	4.2	84	12.8	74	96	53	0	0	2	0	
SAULT ST. MARIE	67	45	75	40	56	-8	.9	.2	.6	5.7	90	15.1	86	95	64	0	0	3	1	
MN ALEXANDRIA	77	56	83	52	66	-5	.1	.6	.1	6.8	94	14.1	93	90	42	0	0	1	0	
DULUTH	74	47	79	42	61	-5	.3	.2	.2	8.7	108	16.5	96	93	42	0	0	2	0	
INT'L FALLS	71	46	77	41	59	-7	.5	.3	.4	6.3	84	12.8	89	96	45	0	0	2	0	
MINNEAPOLIS	78	57	84	51	68	-6	1.2	.4	1.2	10.1	132	16.0	98	89	43	0	0	1	1	
ROCHESTER	75	54	81	50	65	-6	T	.8	T	5.1	66	14.0	83	94	49	0	0	1	0	
MS GREENWOOD	90	73	92	69	81	-1	.6	.3	.3	9.7	122	24.4	71	97	61	4	0	2	0	
JACKSON	91	71	94	69	81	-1	.7	.3	.4	9.2	118	22.2	67	100	54	5	0	3	0	
MERIDIAN	92	73	94	70	82	1	1.2	.1	.9	13.1	146	35.6	102	94	48	6	0	3	1	
MO CAPE GIRARDEAU	85	66	92	58	76	-1	1.0	.2	.8	7.5	102	20.9	75	98	53	1	0	2	1	
COLUMBIA	81	62	88	53	71	-7	.6	.1	.5	7.0	102	16.7	75	98	60	0	0	2	0	
KANSAS CITY	82	62	86	56	72	-9	3.0	2.2	1.2	19.3	218	32.3	148	98	60	0	0	3	3	
SAINT LOUIS	83	67	89	59	75	-4	T	.7	T	5.5	74	15.9	73	89	51	0	0	1	0	
SPRINGFIELD	83	63	87	54	73	-6	.5	.2	.3	12.9	156	22.7	95	96	58	0	0	2	0	
MT BILLINGS	87	56	92	54	71	-2	T	.2	T	4.4	154	9.3	94	70	23	3	0	0	0	
GLASGOW	82	55	91	48	68	-3	.3	.1	.2	4.5	107	6.3	83	83	32	2	0	2	0	
GREAT FALLS	85	51	92	45	68	-2	T	.2	T	5.1	133	9.7	92	78	21	1	0	0	0	
HAVRE	80	53	89	48	66	-5	.2	.1	.1	3.4	97	4.6	58	94	38	0	0	2	0	
HELENA	90	53	95	50	71	3	.0	.2	.0	3.4	112	5.6	73	64	17	4	0	0	0	
KALISPELL	86	48	94	44	67	2	.0	.2	.0	6.0	193	11.1	117	92	26	2	0	0	0	
MILES CITY	87	56	92	50	71	-4	.2	.1	.2	5.4	127	9.6	98	79	27	4	0	1	0	
MISSOULA	91	50	98	47	71	2	T	.2	T	3.9	146	8.0	96	80	16	4	0	0	0	
NE GRAND ISLAND	82	59	87	50	70	-7	.5	.1	.5	10.0	156	20.0	128	93	52	0	0	1	0	
LINCOLN	84	60	87	54	72	-6	2.0	1.2	1.7	9.0	126	17.0	97	96	54	0	0	2	1	
NORFOLK	80	57	86	50	69	-7	1.2	.6	.9	8.4	111	15.8	96	94	54	0	0	3	1	
NORTH PLATTE	84	54	91	47	69	-6	.3	.3	.2	6.4	95	15.0	108	97	41	1	0	3	0	
OMAHA	78	60	83	51	69	-8	1.1	.3	.7	11.1	142	22.4	120	94	63	0	0	3	1	
SCOTTSBLUFF	89	54	96	51	72	-3	T	.3	T	6.0	122	11.2	103	93	26	4	0	2	0	
VALENTINE	83	53	95	47	68	-7	.4	.1	.4	7.6	140	11.4	96	93	40	2	0	2	0	
NV ELY	90	49	93	44	70	2	.1	.1	.1	2.2	156	5.4	95	50	13	5	0	2	0	
LAS VEGAS	106	80	109	75	93	2	.0	.1	.0	.1	23	6.7	301	26	13	7	0	0	0	0
RENO	98	56	99	54	77	9	.0	.1	.0	1.3	223	2.7	58	49	11	7	0	0	0	0
WINNEMUCCA	100	53	101	49	77	4	.0	.0	.0	.5	47	1.9	40	29	13	7	0	0	0	0
NE CONCORD	77	53	85	49	65	-5	.5	.2	.5	6.8	113	17.0	84	97	52	0	0	2	0	
NJ ATLANTIC CITY	82	61	86	53	72	-4	.9	.1	.6	7.0	100	16.9	70	99	56	0	0	3	1	
NM ALBUQUERQUE	90	62	94	59	76	-3	.6	.2	.5	2.7	143	6.1	154	78	23	4	0	2	1	
CLOVIS	86	63	91	61	75	-3	.5	.1	.5	4.4	78	13.7	137	87	36	1	0	1	0	
ROSWELL	93	66	97	64	79	-1	.2	.3	.1	3.3	117	10.4	203	82	29	5	0	2	1	
NY ALBANY	77	56	83	53	67	-5	1.2	.5	.8	6.2	99	17.4	86	97	58	0	0	2	1	
BINGHAMTON	72	55	78	51	64	-6	2.0	1.2	1.0	7.6	107	24.4	115	96	61	0	0	4	2	
BUFFALO	71	55	74	52	63	-8	2.0	1.2	1.5	11.2	192	26.7	133	91	58	0	0	4	1	
NEW YORK	82	68	92	66	75	-2	1.0	.1	.7	7.6	110	18.9	77	84	49	1	0	4	1	
ROCHESTER	72	56	77	52	64	-6	1.2	.6	.9	8.0	148	21.1	119	97	58	0	0	3	1	
SYRACUSE	75	57	77	53	66	-5	1.6	.6	1.4	9.8	131	27.5	123	93	56	0	0	5	1	
NC ASHEVILLE	86	62	89	58	74	0	T	.9	T	7.7	101	28.1	106	95	45	0	0	1	0	
CHARLOTTE	92	73	95	69	82	3	T	.8	T	8.6	114	27.3	101	81	40	5	0	1	0	
GREENSBORO	88	67	92	63	78	0	.9	.1	.4	8.3	100	25.8	101	96	48	4	0	3	0	
HATTERAS	86	70	89	65	78	-1	.2	.1	.1	6.2	63	27.5	91	96	61	0	0	2	0	
NEW BERN	90	73	95	70	82	2	.2	.3	.2	8.2	67	25.4	81	97	58	4	0	1	0	
RALEIGH	89	69	94	63	79	-1	.5	.6	.4	8.6	105	22.1	87	96	48	4	0	3	0	
WILMINGTON	91	74	95	71	83	2	.4	.3	.4	10.2	76	35.7	112	95	54	4	0	2	0	
ND BISMARCK	82	52	88	45	67	-4	.5	.1	.3	6.1	122	8.8	84	96	36	0	0	4	0	
FARGO	80	54	89	48	67	-4	T	.7	T	7.3	113	13.0	105	94	37	0	0	2	0	
GRAND FORKS	78	51	86	44	65	-5	T	.6	T	5.1	88	11.2	99	93	39	0	0	1	0	
WILLISTON	80	51	89	47	66	-6	.3	.0	.2	3.0	68	7.9	87	89	34	0	0	2	0	
OH AKRON-CANTON	78	58	81	48	68	-4	2.4	1.6	1.3	12.5	170	27.1	122	100	63	0	0	4	2	
CINCINNATI	81	61	85	52	71	-5	1.6	.7	1.4	10.7	126	24.3	95	100	60	0	0	4	1	
CLEVELAND	77	59	81	50	68	-4	2.9	2.1	1.2	11.8	171	27.6	130	98	63	0	0	4	2	
COLUMBUS	81	60	84	50	70	-4	1.4	.5	1.0	14.7	181	27.0	115	97	57	0	0	3	1	

Based on 1951-80 normals.

Weather Data for the Week Ending August 1, 1992

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE		MAXIMUM	MINIMUM	TEMP. °F		PRECIP.
															90 AND ABOVE			32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	81	61	85	53	71	-4	2.0	1.3	1.5	10.1	139	25.7	116	96	57	0	0	5	1	
TOLEDO	78	59	83	53	69	-3	4.9	2	4	7.8	115	20.9	109	95	55	0	0	3	3	
YOUNGSTOWN	76	57	80	48	67	-4	4.6	3.8	2.6	10.7	139	24.1	106	100	65	0	0	4	3	
OK OKLAHOMA CITY	90	71	96	67	80	-3	2.1	1.5	1.1	11.4	167	23.4	119	94	48	3	0	4	2	
TULSA	89	71	94	65	80	-4	1.4	1.1	1.1	10.6	131	24.2	102	86	43	5	0	1	0	
OR ASTORIA	68	53	74	48	61	0	0	0	0	0	22	25.0	68	95	65	0	0	0	0	
BURNS	94	51	97	44	72	2	0	0	0	0	401	5.7	99	51	11	7	0	0	0	
MEDFORD	101	60	104	54	81	7	0	0	0	0	32	35.8	7.5	71	72	15	7	0	0	
PENDLETON	95	62	104	58	79	4	0	0	0	0	1.7	173	4.6	67	56	14	7	0	0	
PORTLAND	88	58	101	54	73	5	0	0	0	0	0	0	0	88	33	2	4	0	0	
SALEM	89	55	100	52	72	2	0	0	0	0	0	0	0	84	26	4	0	0	0	
PA ALLENTOWN	80	62	87	55	71	3	0	0	0	0	8.7	112	21.0	82	96	55	0	0	3	
ERIE	74	61	77	54	67	3	1.4	0.6	0.5	8.0	108	20.4	95	92	60	0	0	1	0	
HARRISBURG	82	66	89	59	74	2	1.1	0.6	0.5	4.9	69	16.6	72	86	54	0	0	1	1	
PHILADELPHIA	84	68	88	63	76	2	2.2	1.3	2.2	6.9	88	16.3	67	90	51	0	0	2	1	
PITTSBURGH	79	59	82	52	69	3	2.4	1.6	1.5	9.3	127	21.3	93	98	60	0	0	5	2	
SCRANTON	79	61	85	54	70	2	0.9	0.2	0.8	5.3	76	16.4	82	93	57	0	0	1	1	
RI PROVIDENCE	79	61	84	52	70	4	1.1	0.7	1.1	8.2	139	22.9	90	91	50	0	0	3	0	
SC CHARLESTON	93	76	94	73	85	4	0.5	0.1	0.4	10.6	75	29.2	91	93	54	7	0	2	0	
COLUMBIA	96	73	98	70	85	3	0	0	0	8.5	85	24.3	78	93	39	7	0	1	0	
FLORENCE	95	74	97	72	85	4	0	0	0	6.9	66	19.3	69	93	42	7	0	0	0	
GREENVILLE	90	69	92	65	79	0	0.4	0.6	0.3	7.8	85	31.5	98	94	43	5	0	2	0	
SD ABERDEEN	80	55	90	52	68	0	0.4	0.1	0.2	8.6	153	11.5	93	95	43	1	0	3	0	
HURON	79	56	88	52	68	0	0.3	0.4	0.8	10.4	186	15.5	122	94	51	0	0	3	1	
RAPID CITY	81	54	89	51	67	0	0.9	0.4	0.4	5.4	102	11.0	92	86	40	0	0	1	0	
SIoux FALLS	77	57	84	48	67	0	0.5	0.1	0.3	11.0	171	19.7	131	94	53	0	0	3	1	
TN CHATTANOOGA	86	68	89	62	77	0	0.8	0.1	0.5	14.2	178	32.1	98	99	56	0	0	4	1	
KNOXVILLE	86	66	89	62	76	0	0.4	0.5	0.3	7.7	92	24.2	80	100	58	0	0	2	0	
MEMPHIS	88	72	93	67	80	0	1.2	0.3	0.9	12.9	168	29.1	79	94	52	2	0	2	1	
NASHVILLE	88	69	92	62	79	0	0.2	0.6	0.2	10.2	135	24.2	144	88	45	4	0	2	1	
TX ABILENE	90	71	95	65	81	0	1.0	0.5	0.9	7.5	161	19.3	144	94	52	2	0	2	1	
AMARILLO	89	63	92	60	76	0	0.2	0.4	0.2	9.9	159	16.6	137	92	37	4	0	1	0	
AUSTIN	94	75	95	74	85	0	0	0	0	5.9	121	33.7	187	94	44	7	0	0	0	
BEAUMONT	92	75	94	73	84	0	0.3	0.1	0.2	16.2	148	44.7	142	100	61	7	0	4	0	
BROWNSVILLE	95	76	96	76	86	1	0	0	0	1.9	45	17.2	154	93	47	7	0	1	0	
CORPUS CHRISTI	93	75	94	74	84	0	0.1	0.5	0.1	2.5	40	27.4	177	96	49	7	0	0	0	
DEL RIO	93	73	95	73	83	0	0	0	0	3.3	98	17.0	182	70	38	7	0	1	0	
EL PASO	94	70	98	65	82	0	0.2	0.2	0.1	1.0	45	7.3	197	80	32	6	0	3	2	
FORT WORTH	95	74	98	69	84	0	2.6	2.1	1.8	7.8	173	26.2	138	93	47	7	0	2	0	
GALVESTON	91	81	93	78	86	2	0.5	0.4	0.4	6.0	80	35.0	167	80	58	7	0	2	0	
HOUSTON	94	75	95	73	84	0	0.2	0.7	0.1	7.3	91	38.1	146	98	51	7	0	0	0	
LUBBOCK	92	67	97	64	80	0	0.5	0.0	0.4	6.1	119	17.4	163	96	38	6	0	2	0	
MIDLAND	91	67	95	66	79	0	0.8	0.4	0.6	4.3	137	17.7	236	96	39	5	0	2	1	
SAN ANGELO	94	71	98	67	82	0	0.7	0.4	0.7	6.7	219	15.9	166	91	38	6	0	2	1	
SAN ANTONIO	95	76	96	74	85	0	0	0	0	6.9	141	36.3	225	89	39	7	0	1	0	
VICTORIA	95	76	97	73	85	1	0.1	0.4	0.1	3.6	51	39.0	197	95	48	7	0	2	1	
WACO	98	75	102	72	86	0	1.8	1.4	1.7	5.1	117	27.1	146	92	40	7	0	2	1	
WICHITA FALLS	95	72	99	68	84	0	0.3	0.1	0.2	9.9	206	18.7	117	90	40	7	0	2	1	
UT CEDAR CITY	93	57	96	54	75	1	0.2	0.1	0.2	0.8	49	5.7	95	53	13	6	0	1	0	
SALT LAKE CITY	97	63	100	58	80	1	0	0	0	0.7	42	6.7	69	44	10	7	0	0	0	
VT BURLINGTON	75	58	83	52	67	0	1.2	0.4	1.2	6.4	89	16.7	89	92	51	0	0	2	1	
VA NORFOLK	88	71	96	63	79	0	0.9	0.3	0.9	6.7	76	20.7	79	93	52	3	0	2	1	
RICMOND	88	67	94	59	78	0	1.1	0.1	0.7	8.0	89	25.6	101	100	51	3	0	3	1	
ROANOKE	87	63	91	58	75	0	0.5	0.4	0.4	8.6	125	28.4	122	94	47	1	0	4	0	
WA QUILLAYUTE	71	54	85	51	62	3	0	0	0	2.2	40	50.4	89	95	59	0	0	1	0	
SEATTLE-TACOMA	82	58	90	54	70	5	0	0	0	2.0	98	18.9	95	87	40	1	0	0	0	
SPOKANE	92	59	99	55	75	5	0	0	0	2.6	154	7.9	82	58	16	3	0	0	0	
YAKIMA	95	56	102	47	76	5	0	0	0	1.7	243	3.8	85	80	19	7	0	0	0	
WV BECKLEY	79	59	84	55	69	0	2.7	1.7	2.2	9.0	102	25.1	95	95	58	0	0	3	1	
CHARLESTON	81	62	88	56	72	0	2.3	1.1	1.0	10.0	114	27.1	102	99	63	0	0	4	2	
HUNTINGTON	80	62	86	56	71	0	4.7	3.6	1.8	11.1	133	26.7	103	99	60	0	0	4	3	
PARKERSBURG	81	60	85	53	71	0	1.2	0.3	0.6	10.4	129	23.4	97	98	60	0	0	5	1	
WI GREEN BAY	78	54	83	49	66	0	0.1	0.6	0.1	5.9	91	14.2	87	95	42	0	0	2	0	
LACROSSE	79	57	86	51	68	0	0.3	0.6	0.3	6.6	83	16.7	91	91	43	0	0	1	0	
MADISON	78	56	85	51	67	0	0.2	0.7	0.2	7.1	92	15.4	83	91	48	0	0	1	0	
MILWAUKEE	76	62	88	59	69	0	0.4	0.3	0.8	8.8	122	17.1	91	88	50	0	0	2	0	
WAUSAU	77	54	81	49	65	0	1.1	0.2	1.1	4.6	57	15.4	83	97	41	0	0	2	1	
WY CASPER	89	54	94	50	72	0	0	0	0	2.3	103	6.2	79	76	18	4	0	2	0	
CHEYENNE	82	53	88	49	68	0	0.8	0.4	0.6	4.0	103	8.4	90	81	23	0	0	2	1	
LANDER	87	55	90	51	71	0	0	0	0	3.6	173	9.7	105	66	19	1	0	0	0	
SHERIDAN	85	53	90	49	69	0	0	0	0	5.9	187	10.5	103	84	28	1	0	0	0	

Based on 1951-80 normals.

National Agricultural Summary

July 27 - August 2, 1992

HIGHLIGHTS: Intermittent rainfall from the Great Plains eastward thwarted harvest activities, but perpetuated recent improvements in soil moisture supplies and crop prospects. Dry, hot weather in the West aggravated short moisture supplies.

SMALL GRAINS: Winter wheat harvest advanced to 85 percent (%) complete in the 19 major producing States, 2 percentage points behind last year and 4 points behind the 5-year average. Harvest advanced sharply despite rains in Michigan and Ohio, and gained momentum in the northern Rocky Mountains and Great Plains. Intermittent showers delayed completion of wheat harvest in the central Great Plains and middle Mississippi Valley. Below-normal temperatures continued to prevail in the northern Rocky Mountains and Great Plains, further delaying ripening of spring wheat. Spring wheat harvest, at 2% complete, was 17 points behind last year and 25 points behind the historic average. Condition of the spring wheat crop remained mostly good in all five of the major producing States. Barley harvest was in full swing in the Pacific Northwest and Rocky Mountains. Oats and rye harvests were interrupted by rains in the North Central States.

CORN: Corn development continued to be hampered by below-normal temperatures, with the most dramatic delays occurring in the northern Corn Belt. Silking progressed to 76% of the acreage in the 17 major producing States, 13 points behind last year and 9 points behind the average. Sixteen percent of the crop was in the dough stage, compared with 40% last year and 30% average. Harvest continued between rains in the extreme South. The crop continued to improve in response to rains from the Great Plains eastward, with most acreage rating good.

SOYBEANS: Soybean progress remained delayed in the northern producing States but was ahead of schedule in the Delta. Seventy-six percent of the crop acreage was blooming in the 19 major States, 3 points behind last year and 1 point behind the average. Pods were setting on 32% of the acreage, 18 points behind last year and 14 points behind the average. Crop condition remained predominately good.

COTTON: Cotton progress remained well behind normal in the southern Plains and was somewhat delayed in the Southeast. Squaring advanced to 89% complete in the 14 major producing States, compared with 95% last year and 96% average. Bolls were setting on 64% of the acreage, 11 points behind last year and 10 points behind the average. Crop condition rated mostly fair in South Carolina and Texas, and mostly good in the other major States. Harvest began in the Rio Grande Valley.

GRAIN SORGHUM: Grain sorghum progress remained ahead of schedule in the Delta, and cooler-than-normal weather in the Great Plains and middle Mississippi Valley kept crop development behind

schedule. Heading was 40% complete in the 12 major producing States, 12 points behind last year and 10 points behind the 5-year average. Twenty-one percent of the grain sorghum was coloring, compared with 21% last year. Harvest was winding down in south Texas and the Rio Grande Valley. Crop condition rated good in all major producing States.

RICE: Development of the rice crop was ahead of schedule for the five major producing States, despite delayed crops in Texas. Rice was 56% headed in the five major States, 12 points ahead of both last year and the average. Harvest was underway in Louisiana and Texas, and was 6% complete for the five States. Rains continued to slow harvest in southern Louisiana.

OTHER FIELD CROPS: Periodic rainfall across the East continued to disrupt haying efforts. The second-cut haying was advanced in most regions, and the third-cut was active in the central and southern States. Safflower harvest continued in Arizona and California. Summer potato harvest started in Colorado, and early fields continued to be dug in Oregon and Washington. Dry pea, lentil, and mint harvests continued in Idaho and Washington. Blooming of dry beans was advancing in Colorado and Michigan. Tobacco harvest was winding down in the extreme South and continued in the central and northern Atlantic Coast States. Topping of tobacco plants was underway in Kentucky and Tennessee.

FRUIT AND NUTS: Lemon and grapefruit picking continued in Arizona. Summer stone fruit harvests remained active in California, with Freestone peaches, nectarines, and plums being picked. California pear, apple, and table grape harvests were also active. The California almond harvest was accelerating. Bartlett pear picking was underway in Oregon and Washington. Utah's tart cherry harvest ended, while the New York harvest gained momentum.

VEGETABLES: Intermittent rains hampered vegetable harvests in the East, while dry weather allowed western harvests to progress unhindered. California's broccoli, cauliflower, and lettuce harvests began to moderate, while carrot, sweet corn, onion, and tomato harvests remained in full swing. Onion digging continued in the Pacific Northwest.

PASTURES AND LIVESTOCK: Hot, dry weather in the West was causing range conditions and water supplies to deteriorate. Some early movement of livestock from public range was occurring in drought-stricken Nevada. Pasture and range conditions in the East, meanwhile, continued to benefit from periodic rainfall, with good conditions prevalent in most areas.

Crop Progress

for the Week Ending August 2, 1992

COTTON (Percent Squaring)

	Current	Last Wk	1991	Avg.
AL	100	98	99	100
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	100
GA	100	100	100	100
LA	100	100	97	99
MS	100	100	95	98
MO	100	99	100	100
MN	97	88	100	100
NC	87	85	99	96
OK	97	62	85	86
SC	100	97	100	98
TN	100	99	92	97
TX	78	60	92	94
14 States	89	80	95	96

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

COTTON (Percent Setting Bolls)

	Current	Last Wk	1991	Avg.
AL	90	73	86	89
AZ	99	95	94	96
AR	95	79	91	94
CA	95	75	90	91
GA	94	77	93	97
LA	98	96	81	85
MS	91	88	84	89
MO	89	58	85	94
NM	71	50	78	73
NC	62	42	86	81
OK	18	10	47	48
SC	78	46	91	78
TN	76	47	69	82
TX	39	27	64	58
14 States	64	51	75	74

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

GRAIN SORGHUM (Percent Headed)

	Current	Last Wk	1991	Avg.
AR	94	86	64	68
CO	3	2	15	11
IL	58	39	78	60
KS	15	5	30	25
LA	99	91	69	80
MS	91	87	72	81
MO	69	39	57	60
NE	12	2	57	50
NM	19	11	25	NA
OK	34	20	27	46
SD	9	6	28	36
TX	73	69	81	76
12 States	40	31	52	NA
Excl. States with NA	40	31	53	50

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

CORN (Percent Silking)

	Current	Last Wk	1991	Avg.
CO	41	24	54	56
GA	100	100	100	100
IL	97	90	100	94
IN	90	72	98	86
IA	85	60	84	90
KS	90	80	97	90
KY	91	81	93	88
MI	30	10	90	75
MN	45	8	71	74
MO	92	79	91	90
NE	95	69	95	91
NC	95	93	99	97
OH	70	45	98	85
PA	42	14	74	53
SD	37	16	80	73
TX	91	85	96	96
WI	36	13	80	73
17 States	76	56	89	85

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

CORN (Percent Dough)

	Current	Last Wk	1991	Avg.
CO	2	1	8	5
GA	97	91	99	99
IL	30	14	75	52
IN	15	8	67	41
IA	0	0	16	15
KS	40	20	65	45
KY	35	12	44	31
MI	0	0	4	10
MN	0	0	5	7
MO	50	29	64	57
NE	11	3	32	21
NC	73	60	87	74
OH	15	0	62	40
PA	0	0	14	7
SD	5	0	22	14
TX	69	61	84	82
WI	0	0	25	13
17 States	16	8	40	30

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

GRAIN SORGHUM (Percent Coloring)

	Current	Last Wk	1991	Avg.
AR	40	22	23	20
CO	0	0	0	0
IL	7	5	14	8
KS	0	0	3	1
LA	56	34	44	38
MS	47	25	48	42
MO	9	2	13	14
NE	0	0	0	0
NM	0	0	7	NA
OK	8	5	11	13
SD	0	0	0	0
TX	60	56	68	60
12 States	21	19	24	NA
Excl. States with NA	22	19	25	21

NA - not available.
These 12 States produced 98% of the 1991 grain sorghum crop.

SOYBEANS (Percent Blooming)

	Current	Last Wk	1991	Avg.
AL	47	36	41	49
AR	47	34	45	35
GA	59	42	73	74
IL	87	82	97	89
IN	91	79	98	85
IA	85	80	83	92
KS	60	50	75	65
KY	64	41	72	62
LA	77	65	29	53
MI	55	35	80	70
MN	82	62	84	90
MS	67	49	46	50
MO	74	57	66	70
NE	90	67	88	88
NC	34	20	47	36
OH	84	65	100	84
SC	38	22	44	36
SD	63	52	85	83
TN	50	32	29	43
19 States	76	63	79	77

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

SOYBEANS (Percent Setting Pods)

	Current	Last Wk	1991	Avg.
AL	22	16	14	23
AR	28	15	20	13
GA	29	14	36	36
IL	47	26	82	62
IN	26	13	67	43
IA	47	25	51	65
KS	20	15	45	35
KY	20	12	25	20
LA	51	28	5	27
MI	5	0	40	25
MN	23	12	40	54
MS	33	15	24	25
MO	36	15	33	38
NE	25	4	38	39
NC	14	12	22	12
OH	28	10	82	58
SC	16	7	19	13
SD	20	9	63	47
TN	17	8	9	16
19 States	32	16	50	46

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

WINTER WHEAT (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	100	100	100	100
CA	99	97	98	99
CO	93	83	90	93
GA	100	100	100	100
ID	33	17	7	18
IL	93	87	100	100
IN	86	69	100	100
KS	99	98	100	100
MI	70	30	99	95
MO	94	90	100	100
MT	4	1	8	35
NE	91	82	100	99
NC	100	100	100	100
OH	78	30	100	100
OK	100	100	100	100
OR	67	43	28	34
SD	39	18	100	94
TX	100	100	100	100
WA	55	38	17	34
19 States	85	78	87	89

These 19 States produced 92% of the 1991 winter wheat crop.

RICE
(Percent Headed)

	Current	Last Wk	1991	Avg.
AR	54	36	31	28
CA	5	0	5	6
LA	81	78	69	70
MS	52	40	44	53
TX	75	71	92	92
5 States	56	45	44	44

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

RICE
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	0	NA	0	0
CA	0	NA	0	0
LA	19	NA	17	10
MS	0	NA	0	0
TX	14	NA	29	13
5 States	6	NA	7	4

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

SPRING WHEAT
(Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	14	5	4	7
MN	2	0	17	28
MT	0	0	1	13
ND	0	0	15	22
SD	10	7	60	62
5 States	2	1	19	27

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

Crop Condition
(Percent)

for the Week Ending August 2, 1992

CORN

State	VP	P	F	G	EX
CO	1	6	25	52	16
GA	0	0	10	77	13
IL	0	0	6	76	18
IN	0	1	14	66	19
IA	0	1	8	64	27
KS	6	2	10	41	41
KY	0	0	6	61	33
MI	1	9	25	45	20
MN	4	11	44	38	3
MO	0	0	14	66	20
NE	0	6	10	52	32
NC	0	4	53	42	1
OH	1	5	21	51	22
PA	1	3	16	49	31
SD	0	2	25	52	21
TX	0	1	10	62	27
WI	4	7	32	50	7
17 State	1	3	17	58	21
Prev Week	1	3	20	57	19
Prev Year	5	16	32	39	8

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	1	89	10
AR	0	0	17	73	10
GA	0	0	15	81	4
IL	0	0	8	83	9
IN	1	4	24	59	12
IA	0	2	21	61	16
KS	0	1	18	49	32
KY	0	0	14	75	11
LA	0	0	46	54	0
MI	5	10	25	45	15
MN	2	11	51	35	1
MS	0	0	24	56	20
MO	0	10	21	61	8
NE	0	0	7	66	27
NC	3	7	31	58	1
OH	3	10	30	46	11
SC	2	11	52	35	0
SD	0	2	20	56	22
TN	0	0	8	78	14
19 State	1	4	22	61	12
Prev Week	0	3	24	61	12
Prev Year	3	15	45	32	5

COTTON

State	VP	P	F	G	EX
AL	0	0	1	70	29
AZ	0	0	17	50	33
AR	0	0	5	85	10
CA	0	0	5	70	25
GA	0	0	19	76	5
LA	0	2	37	61	0
MS	0	0	18	68	14
MO	0	8	31	53	8
NM	6	17	37	40	0
NC	3	10	36	46	5
OK	0	22	3	75	0
SC	0	9	75	16	0
TN	0	0	7	92	1
TX	6	13	64	16	1
14 State	3	8	39	43	7
Prev Week	4	7	40	43	6
Prev Year	2	2	37	52	7

GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	7	78	15
CO	1	3	27	58	11
IL	0	0	7	75	18
KS	0	3	11	53	33
LA	0	0	39	61	0
MS	0	0	10	71	19
MO	0	0	19	69	12
NE	0	2	10	65	23
NM	0	6	14	72	8
OK	0	1	0	88	11
SD	2	5	13	68	12
TX	0	1	24	57	18
12 State	0	2	16	60	22
Prev Week	0	2	21	61	16
Prev Year	2	12	40	40	6

SPRING WHEAT

State	VP	P	F	G	EX
ID	4	12	30	47	7
MN	2	1	20	68	9
MT	5	15	31	42	7
ND	0	0	18	64	18
SD	0	2	26	62	10
5 State	1	4	22	60	13
Prev Week	2	5	25	58	10
Prev Year	2	7	23	58	10

RICE

State	VP	P	F	G	EX
AR	0	0	32	68	0
CA	0	0	20	80	0
LA	0	0	66	34	0
MS	0	0	55	36	9
TX	0	0	18	64	18
5 State	0	0	38	59	3
Prev Week	0	0	34	63	3
Prev Year	1	2	37	56	4

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

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall mostly 0.50 to 2.00 in. north; 0.25 to 1.75 in. south. Temperatures 3 to 6° below normal north; 1 to 3° below normal central; near normal south. Lows upper 50s; upper 60s near coast. Highs upper 80s to low 90s.

Days suitable for fieldwork 3.8. Soil moisture 81% adequate, 19% surplus. Scattered rains benefitted crops, pastures. Corn 78% dented, 74% 1991, 77% avg.; 45% mature, 43% 1991, 51% avg.; 10% harvested, 10% 1991, 18% avg.; 3% fair, 31% good, 66% excellent. Sorghum 1% harvested, 1% 1991, 3% avg.; 82% good, 12% excellent. Peanuts 94% pegging, 95% 1991, 96% avg.; 65% good, 35% excellent. Pasture 7% fair, 65% good, 28% excellent. Livestock 4% fair, 81% good, 15% excellent. Primary activities: Harvesting hay, potatoes, fruits, vegetables; cultivating row crops; scouting fields for insects, diseases; applying herbicides to peanuts, cotton, fungicides applied to peanuts; general care of livestock, poultry, catfish.

ALASKA: Railbelt-wide, frequent showers put off most haying activities. Highs normal to 5° above normal. Lows 1° below normal to 4° above normal. Seasonal precipitation 1.86 in. wetter than normal, Fairbanks to 1.80 in. drier than normal, PMC-Butte in the Palmer area.

Days suitable for haymaking 2.0. Topsoil 10% short, 90% adequate. Subsoil 15% short, 85% adequate. Small grains: oats, 70% headed/earlier, 30% dough. Barley 40% headed, 60% dough. Crop growth; 20% slow, 50% moderate, 30% rapid. First crop hay harvest 75% complete. Barley 50% fair, 50% good. Commercial potatoes 55% bloom, 30% poor, 10% fair, 50% good, 10% excellent.

ARIZONA: Scattered thunderstorms 26th to 1st, statewide. Temperatures 6° below normal to 3° above. Extremes 45°; 96° higher elevations, 64°; 113° deserts. Precipitation mountains, north-east, trace to 1.66 central, none to 1.22 east-southeast, 0.53 to 1.51 west, trace to 0.24.

Cotton setting bolls 99%, 94% 1991, 96% avg.; bolls opening 17%, 17% avg.; 17% fair, 50% good, 33% excellent; weeds light to moderate; insects light to moderate, central, east; moderate to severe west. Alfalfa mostly good; insects light to moderate, weeds moderate to light statewide; harvest, moderate, light rain damage most areas. Safflower, lemon harvest continued west. Corn for silage harvested, east, central. Cantaloupes, watermelons, honeydews, valencia oranges, grapefruit, mixed vegetables harvested, central. Cabbage harvested, east. Pasture, range 92% of normal. Cattle, calves, good north, mostly good central, southeast. Stockwater mostly adequate statewide. Soil moisture adequate north, southeast; short to adequate, central. Range feed supplies average, statewide.

ARKANSAS: Temperatures below normal with scattered showers, thunderstorms statewide. Extremes 55°; 94°. Rainfall 0.59 to 4.64 in.

Days suitable for fieldwork 5. Soil moisture 3% short, 72% adequate, 25% surplus. Main farming activities: Scouting rice, cotton; applying

fungicide, fertilizer to rice, applying insecticides to cotton, applying herbicide to soybeans, pasture weed control, hay harvesting, working cattle, harvesting fruits, vegetables. Rice sheath blight, blast reports increased in central, east central. Armyworms reported in fields in southeast. Tobacco bud worms heavy in cotton fields in southeast. Boll weevil activity increased in southeast, east central. Soybean weed control hampered by continuous rainfall. Corn 11% fair, 77% good, 12% excellent. Peach fair to good. Watermelon harvest continued in southwest, mostly good. High humidity, heat caused stress to poultry. Livestock good. Pastures mostly good. Grasshopper numbers high northwest, west central. Hay harvest continued.

CALIFORNIA: Valley temperatures warmed well above normal.

Field activities good progress, open weather. Small grain harvest virtually complete, except higher elevation fields. Wheat straw baled; discing for fall crops followed. Cotton development excellent. Fields irrigated, sprayed aphids, lygus, mites, weeds. Rice good growth, still behind normal. Alfalfa treated weevils, worms. Few fields abandoned, water shortage. Field corn irrigated, fertilized, sprayed mites. Silage corn, garbanzo beans, safflower, sugar beets harvested. Alfalfa hay harvest normal. Summer stone fruit harvest active. Over 80% Freestone peach crop picked. Nectarine harvest 3/4 complete. Plum harvest nearly 70% completed. Bartlett pear harvest neared 60% complete. Good quality Asian pears, apples packed, Visalia area. Picking Gravenstein, Royal Gala apples continued. Picking table grapes ongoing; mildew a problem. Walnuts treated Husk Fly. Almond harvest gathering speed. Valencia orange, grapefruit, south coast lemon harvests continued. Strawberry harvest continued, moderate to fairly good demand, variable quality, central coast. Broccoli moderate, variable quality Salinas-Watsonville, good quality Santa Maria. Cauliflower moderate Salinas-Watsonville, light Santa Maria, variable quality. Carrot harvest continued Kern district. Celery moderate, good quality Salinas-Watsonville, variable quality Santa Maria. Sweet corn harvest continued Statewide, good quality. Iceberg lettuce shipments moderate Salinas-Watsonville, light Santa Maria, variable quality. Ground preparation fall lettuce continued Westside. Leaf lettuce fairly light, Romaine lettuce moderate, variable quality Salinas-Watsonville. Honeydew, watermelon harvests full swing Sacramento Valley, melon shipments continued central, desert districts, very good quality. Summer onion digging active central, southern growing areas. Summer potato harvest progressed Delta, south districts. Sweet potato harvest continued Merced-Atwater. Fresh market tomato picking continued. Processing tomato volume increased Sacramento, central valley, good quality. Other vegetables harvested: cucumbers, garlic, peppers, various oriental vegetables. Range conditions fair to poor. Few pockets very poor. Mountain range areas holding own. Foot-hills fire hazard. Stock ponds continued to dry.

Water supply continued to deteriorate. Live-stock movement moderate. Bees active, few hives pulled in preparation of harvest.

COLORADO: Widely scattered thunderstorms affected the northeast, eastern plains from the 22nd through 2nd. Very little rain reported with these storms. Western valleys remained mostly dry, warm for the period. Temperatures mostly 2 to 3° below normal.

Days suitable for fieldwork 5.7. Soil moisture 2% very short, 24% short, 70% adequate, 4% surplus. Alfalfa 2nd cutting 41%, 46% 1991, 50% avg. Barley harvested 29%, 22% 1991, 40% avg. Oats harvested 34%, 44% 1991, 39% avg. Spring wheat turning color 33%, 32% 1991, 56% avg.; harvested 5%. Sorghum headed 3%, 15% 1991, 11% avg. Dry beans flowering 35%, 44% 1991, 53% avg. Winter wheat harvested 93%, 90% 1991, 93% avg. Summer potato harvest just getting started. Corn silking 41%, 54% 1991, 56% avg. Corn 1% very poor, 6% poor, 25% fair, 52% good, 16% excellent. Dry beans 3% poor, 23% fair, 64% good, 10% excellent. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures near normal to 1° above normal northwest, near normal to 3° above normal elsewhere. Highs; near 90 to upper 90s. Lows; upper 60s to mid 70s. Rained 1 to 3 days south, 3 to 6 days north. Rainfall; generally 0.50 to 1.50 in. with isolated locations receiving 2.50 in.

Soil moisture adequate except short scattered areas north central Peninsula. Crops made generally good progress. Tobacco harvest winding down. Corn for grain harvest becoming active. Hot, dry most citrus areas, lots of irrigation. New growth most trees. Fruit sizes about normal. Excessive moisture few locations west coast causing fruit drop. Caretakers cutting cover crops, fertilizing, spraying, removing dead trees, burning debris, planting young trees. Ground preparation, laying of plastic for fall vegetables active north, central, southwest. Eggplant transplanting, pepper seeding active. Tomato, pepper transplanting to start next week east coast. State's pastures poor to excellent. Pasture ratings, 5% poor, 25% fair, 40% good, 30% excellent. Moisture levels short to adequate. State's cattle herds good to excellent.

GEORGIA: Temperatures 1 to 3° below normal north, 1 to 3° above normal southeast. Coolest mid 50s mountains to low 70s near coast. Warmest mid, upper 80s mountains, to mid and upper 90s south. Some rain. Rainfall under 0.25 in. to more than 2.00 in.

Days suitable for fieldwork 5.4. Soil moisture 29% short, 63% adequate, 8% surplus. Corn 91% dent, 92% 1991, 93% avg.; 49% mature, 83% 1991, 69% avg.; 3% harvested for grain, 12% 1991, 12% avg. Sorghum 14% fair, 83% good, 3% excellent. Peanuts 19% fair, 77% good, 4% excellent; 99% pegging, 100% 1991, 100% avg.; Insects and diseases on increase, control measures active. Tobacco 44% fair, 48% good, 8% excellent; 67% harvested, 80% 1991, 66% avg.; Harvest active. Watermelons 34% poor, 61% fair, 5% good; 95% harvested, 95% 1991, 94% avg. Other vegetables 16% poor, 58% fair, 26% good. Apples 1% poor, 9% fair, 90% good; 7% harvested, 12% 1991, 15% avg. Peaches 3% very poor, 5% poor, 16% fair, 76% good; 91% harvested, 95% 1991, 97% avg. Pecans 13% very poor, 6% poor, 55% fair, 26% good. Armyworms in pastures, hay fields, fair to mostly good. Cattle, hogs good.

HAWAII: Two tropical depressions near the State caused humid, wet weather. Additional rainfall continued to alleviate or eliminate previously dry, drought-like conditions many areas throughout Islands. Temperatures varied high 60s to low 90s. Rainfall none to 7.00 in.

Days suitable for fieldwork 7.0. Crops, pastures responded favorably to rainfall. Banana, papaya production continued near normal levels. Papaya industry, government officials approved plan to destroy healthy trees surrounding trees infected with mosaic virus to create buffer. Sugar, pineapple harvesting were on schedule.

IDAHO: Temperatures 3° below normal to 6° above normal across the State. No precipitation, except for Malad 0.02 in.

Days suitable for fieldwork 7. Soil moisture 16% very short, 43% short, 41% adequate. Winter wheat 2% very poor, 9% poor, 35% fair, 45% good, 9% excellent. Spring barley harvested 17%, 3% 1991, 10% avg. Oat harvested 37%, 15% 1991, 13% avg. Potatoes 97% closing middles, 18% turning, 3% vines dying/killed. Potato good. Second cutting alfalfa 63%, 45% 1991, 53% avg. Dry pea harvest 33%, 9% 1991, 18% avg. Lentil harvest 26%, 0% 1991, 5% avg. Mint 1st cutting 60%, 25% 1991, 36% avg. Peach harvest 74% complete. Irrigation water supplies 23% very poor, 27% poor, 34% fair, 16% good. Activities: Cultivating, 2nd cutting alfalfa, irrigation, harvesting of small grains, mint, dry peas, lentils. Pasture, range 58% of normal. Livestock good. Dry, low elevation range cattle getting protein supplements.

ILLINOIS: A familiar development of rainfall fell across State once again. Temperatures mid 50s to the lower 80s, while precipitation totaled 0.40 to 2.00 in. in most parts of State.

Days suitable for fieldwork 3.0. Soil moisture 7% short, 64% adequate, 29% surplus. Corn dented 3%, 31% 1991, 16% avg. Alfalfa second cutting 84%, 100% 1991, 96% avg.; third cutting 17%, 34% 1991, 30% avg.; 3% excellent, 76% good, 19% fair, 2% poor. Oats ripe 98%, 100% 1991, 98% avg.; 42%, 100% 1991, 91% avg.; 2% excellent, 49% good, 41% fair, 8% poor. Pasture 87% of normal.

INDIANA: Temperatures 3 to 8° below normal. Highs mid 70s to near 85°. Lows mid 50s to near 65°. Precipitation 0.50 to 1.00 in. south commonly more than 1.00 in. elsewhere. Base 50 growing degree-days for corn are about 30 to 50 behind.

Days suitable for fieldwork 2.0. Topsoil 2% short, 34% adequate, 64% surplus. Subsoil 8% short, 52% adequate, 40% surplus. Oats harvested 47%, 100% 1991, 83% avg. Rye harvested 71%, 100% 1991, 94% avg. Alfalfa cut twice 62%, 100% 1991, 86% avg. Pasture 94%, 89% last week, 38% 1991. Wet soil is stressing crops in low areas.

IOWA: Temperatures 6 to 7° below normal. Extremes 47°; 86°. Rainfall extremes 0.19 in. Decorah (northeast), 7.31 in. Hartford (south central); average 1.47 in. Past month was coolest July since 1891, wettest July since 1902.

Days suitable for fieldwork 1.3. Topsoil 39% adequate 61% surplus. Subsoil 69% adequate, 31% surplus. Hay 1% very poor, 6% poor, 28% fair, 57% good, 8% excellent. Pasture 2% poor, 21% fair, 50% good, 27% excellent. Corn tasseling 97%, 93% 1991, 97% avg.; milk stage 20%, 47% 1991, 46% avg. Oats harvested 60%, 100% 1991, 96% avg.; harvested 80%, 100% 1991, 96% avg. Second cutting alfalfa 70% harvested, 90% 1991,

91% avg. Second cutting clover 40% harvested, 72% 1991, 73% avg. Winter wheat harvested 80%, 100% 1991, 100% avg. Muddy feedlots, cool, wet weather starting to stress livestock.

KANSAS: Temperatures 3 to 6° below normal over State; avg. 6° below normal southwest, north central, northeast, 4° below normal east central, 3° below normal northwest. Remainder of State 5° below normal. Precipitation received all districts. Rainfall 0.28 in. south central to 2.72 in. northeast. Only 2 of 9 districts received less than 1.00 in. of rain.

Days suitable for fieldwork 3.5. Surface moisture 5% short, 69% adequate, 26% surplus. Subsurface moisture 6% short, 77% adequate, 17% surplus. Wheat harvest nearly complete, slowed by soft fields past week. Row crops mostly good to excellent. Row crop progress slightly behind normal because of cool temperatures, lack of sunshine past two months. Insect, disease problems light. Pasture very good. Forage, stockwater adequate over State. Ninety percent alfalfa cut second time. About 25% cut third time.

KENTUCKY: Cool, wet. Daytime highs averaged low 80s to lows, low 60s. Temperatures 5° below normal. Rainfall 2.00 in., 1.00 in. above mean.

Days suitable fieldwork 3.1. Soil moisture 1% very short, 4% short, 59% adequate, 36% surplus. Corn, soybeans making good growth. Burley tobacco 80% blooming, 73% 1991, 70% avg. Burley 39% topped, 34% 1991, 30% avg. Dark tobacco 59% topped. Poor curing conditions for hay. Pasture good to mostly excellent.

LOUISIANA: Temperatures 1.4° below to 1.1° above normal. Extremes 67°; 96°. Rainfall 0.20 in. west central to 3.04 in. south central.

Days suitable for fieldwork 4.2. Soil moisture 5% short, 69% adequate, 26% surplus. Corn 22% fair, 75% good, 3% excellent; 100% dough stage, 97% 1991, 98% avg.; 81% mature, 69% 1991, 61% avg.; 5% harvested, 11% 1991, 9% avg. Cotton 0% open bolls, 0% 1991, 1% avg. Insects increasing, spraying active. Hay 98% first cutting, 93% 1991, 96% avg.; 39% second cutting, 1% 1991, 7% avg. Peaches 97% harvested, 91% 1991, 93% avg. Rice 42% ripe, 29% 1991, 20% avg. Harvest slowed by rain. Sorghum 16% ripe, 17% 1991, 9% avg. Sugarcane 1% fair, 78% good, 21% excellent. Borer scouting, spraying where needed. Sweet potatoes 14% fair, 86% good; 11% harvested, 9% 1991, 5% avg. Livestock 22% fair, 64% good, 14% excellent. Pastures 1% poor, 6% fair, 89% good, 4% excellent. Vegetables 4% poor, 55% fair, 38% good, 3% excellent.

MARYLAND & DELAWARE: MARYLAND: Precipitation 1.72 in. Temperature 74.4°, normal 75.9°. Extremes 50°; 92°.

Days suitable for fieldwork 4.9. Topsoil 17% short, 78% adequate, 5% surplus. Subsoil 5% very short, 16% short, 74% adequate, 5% surplus. Corn excellent; silking 73%, 87% 1991, 81% avg.; dough stage 20%, 46% 1991, 36% avg.; 4% dent, 18% 1991, 12% avg. Soybeans fair mid-State, mostly good elsewhere: 48% blooming, 57% 1991, 47% avg.; 9% setting pods, 21% 1991, 18% avg. Pastures poor mid State, good to mostly excellent elsewhere. Alfalfa third cutting 25%, other hay third cutting 8%. Vegetable harvest active, potato digging active. Japanese beetles active again.

DELAWARE: Precipitation 0.57 in. Temperature 75.4°, normal 76.6°. Extremes 54°; 89°.

Days suitable for fieldwork 6.0. Topsoil 25% short, 75% adequate. Subsoil 29% short, 71% adequate. Soybeans 41% blooming, 49% 1991, 37% avg.; 7% setting pods, 9% 1991, 7% avg. Corn 92% silked, 96% 1991, 95% avg.; 18% dough stage, 37% 1991, 24% avg.; 1% dent, 3% 1991, 4% avg. Potato digging active. Alfalfa third cutting 22%, other hay still at second cutting, both behind 1991, supplies adequate. Peaches picked 24%; a few apples picked. Vegetable harvest very active. Pastures in good condition.

MICHIGAN: Temperatures 4 to 7° below normal. Extremes 40°; 84°. Precipitation 0.02 to 3.07 in. across the State.

Days suitable for fieldwork 5.0. Soil moisture 25% short, 45% adequate, 30% surplus. Hay 98% first cutting, 100% 1991, 100% avg.; 40% second cutting, 75% 1991, 60% avg.; 2% very poor, 13% poor, 35% fair, 40% good, 10% excellent. Oats 55% turning, 100% 1991, 100% avg.; 15% ripe, 80% 1991, 70% avg.; 10% poor, 35% fair, 45% good, 10% excellent. Dry Beans 40% blooming, 80% 1991, 65% avg.; 10% poor, 40% fair, 40% good, 10% excellent. Pasture 80% of normal. Major activities: Row crop cultivating, machinery repair, harvesting hay, wheat, vegetables, fruit.

MINNESOTA: Temperatures 4 to 6° below normal. Extremes 40°; 89°. Precipitation 0.10 to 0.80 in. State. Greatest weekly total was 1.17 in.

Days suitable for fieldwork 5.2. Topsoil 2% very short, 11% short, 68% adequate, 19% surplus. Spring wheat 59% turning ripe, 94% 1991, 95% avg.; 4% cut/swathed, 45% 1991, 50% avg.; 2% combined, 17% 1991, 28% avg. Oats 84% turning ripe, 98% 1991, 98% avg.; 2% cut/swathed, 88% 1991, 83% avg.; 13% combined, 69% 1991, 65% avg. Barley 65% turning ripe, 98% 1991, 98% avg.; 16% cut/swathed, 91% 1991, 82% avg.; 7% combined, 72% 1991, 60% avg. Corn 70% tasseling, 93% 1991. 90% avg.; 10% in milk, 44% 1991, 45% avg. Soybeans 82% blooming, 84% 1991, 90% avg.; 23% setting pods, 40% 1991, 54% avg. Winter wheat 21% harvested, 85% 1991, 84% avg. Rye 27% harvested, 78% 1991, 78% avg. Spring wheat 2% very poor, 1% poor, 20% fair, 68% good, 9% excellent. Oat 1% very poor, 4% poor, 23% fair, 64% good, 8% excellent. Barley 2% very poor, 3% poor, 24% fair, 61% good, 10% excellent. Soybean 2% very poor, 11% poor, 51% fair, 35% good, 1% excellent. Corn 4% very poor, 11% poor, 44% fair, 38% good, 3% excellent.

MISSISSIPPI: Temperatures 80°, 1.0° below normal. Extremes 60°; 95°. Most of State received rainfall. Average 1.31 in., 0.27 in. above normal. Soil temperature 85°.

Days suitable for fieldwork 3.0, 6.0 1991, 5.3 avg. Soil moisture 63% adequate, 30% surplus, 7% excessive. Corn 99% silking, 97% 1991, 98% avg.; dough 80%, 82% 1991, 81% avg.; dented 60%, 70% 1991, 64% avg.; mature 28%, 43% 1991, 23% avg.; silage harvested 34%, 61% 1991, 37% avg.; 12% fair, 56% good, 32% excellent. Cotton 91% setting bolls, 84% 1991, 89% avg.; 18% fair, 68% good, 14% excellent. Rice 52% heading, 44% 1991, 53% avg.; 55% fair, 36% good, 9% excellent. Sorghum 91% heading, 72% 1991, 81% avg.; 47% coloring, 48% 1991, 42% avg.; 13% mature, 38% 1991, 12% avg.; silage harvested 26%, 19% 1991, 22% avg.; 10% fair, 71% good, 19% excellent. Soybeans 67% blooming, 46% 1991, 50% avg.; 33% podding, 24% 1991, 25% avg.; 24% fair, 56% good, 20% excellent. Watermelons 75% harvested, 77% 1991, 71% avg. Hay harvested 76%, 73% 1991, 64% avg. Peaches 92% harvested, 95% 1991, 92% avg.; 28% poor, 57% fair, 15% good. Pecans 9% very

poor, 36% poor, 45% fair, 10% good. Livestock 5% fair, 76% good, 19% excellent. Pasture 92% of normal. Activities: Spraying cotton, insect control.

MISSOURI: Temperatures 5 to 7° below normal. Rainfall 0.86 in., varying from under 0.50 in. central, east central, southeastern districts to 1.80 in. northwest.

Days suitable for fieldwork 2.7. Topsoil 4% short, 50% adequate, 46% surplus. Districts with highest surplus are west central 64%; northwestern 78%; north central 100%. Corn continuing to improve most areas. Progress of corn reaching dough stage varies less than 40% north central, northeast, to 92% southeast. Surplus moisture hindering soybeans several northern counties, but beans making good progress most areas. Sorghum heading ranges 35% north central, northeast to 94% southeast. Sorghum turning color mostly confined to southeast district at 18%. Intermittent showers delaying completion of wheat harvest. Northwestern, north central districts still have 20% wheat crop still in field. Oat harvest 76%, 100% 1991, 99% avg. Alfalfa second cutting 84%, 99% 1991, 97% avg.; third cutting 14%, 35% 1991, 41% avg. Other hay cut 90%, 94% 1991, 94% avg. Pasture 3% poor, 26% fair, 56% good, 15% excellent.

MONTANA: Temperatures near to a little above normal west, near to 6° below normal east. Light precipitation statewide.

Days suitable for fieldwork 6.1. Topsoil 26% short, 72% adequate, 2% surplus. Subsoil 44% short, 55% adequate, 1% surplus. Barley 56% turning, 84% 1991, 86% avg.; 5% very poor, 15% poor, 36% fair, 36% good, 8% excellent. Oats 50% turning, 79% 1991, 81% avg.; 4% very poor, 11% poor, 25% fair, 48% good, 12% excellent. Sugarbeets 4% very poor, 6% poor, 59% fair, 19% good, 12% excellent. Pasture, range feed condition 85%, an increase of 2 points from last week. Alfalfa hay 90% harvested, 100% 1991, 100% avg.

NEBRASKA: Temperatures 4 to 8° below normal. Precipitation varied from 0.10 in. northwest to nearly 2.00 in. east central.

Days suitable for fieldwork 2.7. Topsoil 60% adequate, 40% surplus. Subsoil 4% short, 88% adequate, 8% surplus. Wheat harvest slowed by showers. Row crops 1 to 2 weeks behind normal development. Wheat harvested 91%, 100% 1991, 99% avg. Corn 6% poor, 10% fair, 52% good, 32% excellent; 95% silked, 95% 1991, 91% avg.; 11% dough, 32% 1991, 21% avg. Soybean 7% fair, 66% good, 27% excellent; 90% blooming, 88% 1991, 88% avg.; 25% setting pods, 38% 1991, 39% avg. Sorghum 2% poor, 10% fair, 65% good, 23% excellent; 12% headed, 57% 1991, 50% avg. Alfalfa 1% poor, 21% fair, 69% good, 9% excellent; second cutting 87%, 95% 1991, 94% avg.; third cutting 8%, 12% 1991, 18% avg. Pasture, range 99% of normal.

NEVADA: Strong high pressure system dominated. Precipitation mostly trace amounts from afternoon thundershowers mainly over central, eastern areas. Temperatures 5 to 8° above normal. Extremes 40°; 115°.

Irrigation water from surface sources essentially gone, groundwater sources holding up. Haying, small grain harvest proceeding well favored by hot, dry, weather. Grain crop harvest nearing completion many areas. Good progress harvesting garlic. Ranges continue to

deteriorate. Some movement of livestock off public ranges, much earlier than usual.

NEW ENGLAND: Precipitation 1.80 to 3.05 in. northern Maine, 0.45 to 1.75 in. elsewhere north; 0.15 to 2.20 in. south. Temperatures low to high 60s north, mid 60s to low 70s south; 2 to 5° below normal. Maximum temperatures mid 70s to mid 80s north, low to mid 80s south; minimum temperatures mid 40s to mid 50s north, mid 40s to high 50s south.

Days suitable for fieldwork 6. Soil moisture 8% short, 81% adequate, 11% surplus. Available grazing 6% short, 94% adequate. Fieldwork progress 4 days behind schedule. Maine potatoes good. Rhode Island potatoes good. Connecticut River Valley potatoes good. Maine oats good. Field corn good. Sweet corn 20% harvested, 29% 1991, 16% avg.; good. First cut hay 100% harvested, 100% 1991, 97% avg.; fair to good. Second cut hay 42% harvested, 49% 1991, 41% avg.; good. Third cut hay 2% harvested, 2% 1991, 3% avg.; good. Shade tobacco 19% harvested; good. Outdoor tobacco 10% harvested; good. Apple color fair, size medium; good. Peaches 10% harvested, size medium; good. Pear size medium; good. Cranberry good. Wild blueberry harvest beginning in Maine, harvest 30% complete in other States. Major farm activities: cultivating, mowing, spraying orchards, harvesting vegetables, sweet corn, tomatoes, blueberries, haying.

NEW JERSEY: Weather information unavailable. Extremely heavy downpours, tornadoes reported throughout the State late in the week, particularly in the central, southern areas. Crop damage is presently unknown.

Soil moisture content adequate overall. Dandelion, dill, basil, broccoli rabe, collards, kale, okra, leeks, spinach, beets in light volume. Green beans, cabbage--all types, parsley, green onions in moderate supply. Cucumbers, eggplants, peppers, squash, cantaloupe, watermelon, tomatoes, sweet corn in good volume. Peaches reaching good volume. Red Haven variety being picked. Blueberries in moderate, declining volume. Apples sizing well, harvest underway. Field corn, soybeans showing good growth. Field corn ears filling out. Pastures look good.

NEW MEXICO: Although a few spots stayed dry, most areas received some rainfall from scattered showers, thunderstorms. Heaviest amounts over 1.00 in. Temperatures a couple of degrees below normal at most locations. Extremes 42°; 99°.

Days suitable for fieldwork 5.6. Soil moisture 38% short, 59% adequate, 3% surplus. Light hail damage in isolated areas, no reports of major damage. Crop conditions: Alfalfa 16% fair, 81% good, 3% excellent. Corn, 10% fair, 85% good, 5% excellent. Chile 15% fair, 85% good with harvest gearing up in the south. Onions 20% fair, 80% good. Apples 9% fair, 91% good. Pecans 7% poor, 27% fair, 66% good. Cattle, sheep fair to excellent. Range, pasture 93% of normal.

NEW YORK: Temperatures mostly below normal, averages in 60s. Extremes 46°; 92°. Precipitation above normal, ranging from 0.75 to 1.75 in. in most areas. Exceptions were scattered amounts 2.00 to 2.50 in. from the Lower Hudson Valley across the Catskills, Southern Tier to the Buffalo area.

Days suitable for fieldwork 2.6. Soil moisture adequate to excessive. Pasture 87% of normal. Hay fair to good, corn mostly good. Hay harvest

slowed by wetness; second cutting alfalfa only 32% finished, 75% 1991, 50% avg. Oats 10% harvested, 30% 1991, 17% avg. Winter wheat harvest 53% complete, 91% 1991, 76% avg. Warmer weather needed to advance crop growth. Apples good to excellent in Lake Ontario region. Crop sizing well despite heavy set. Peach harvest underway. Tart cherry harvest 33% finished. Vegetable growth slow due to cool weather. Heavy rains flooded some fields, damaged crops.

NORTH CAROLINA: Temperatures 1° below normal to 3° above normal. Precipitation 2.62 in. at Enfield to no rainfall at a number of locations.

Days suitable for fieldwork 6.1. Soil moisture 11% very short, 44% short, 45% adequate. Crop condition: Pasture 9% poor, 47% fair, 40% good, 4% excellent; Tobacco 5% poor, 51% fair, 42% good, 2% excellent. Corn 4% poor; 53% fair, 42% good, 1% excellent. Cotton 3% very poor, 10% poor, 36% fair, 46% good, 5% excellent. Peanuts 5% poor, 33% fair, 57% good, 5% excellent. Soybeans 3% very poor, 7% poor, 31% fair, 58% good, 1% excellent. Hay 6% poor, 54% fair, 40% good. Irish potatoes 20% fair, 80% good. Sweet potatoes 23% fair, 77% good. Apples 5% very poor, 42% fair, 53% good. Peaches 27% very poor, 14% poor, 41% fair, 18% good. Sorghum 9% poor, 46% fair, 45% good. Truck crops 4% poor, 61% fair, 35% good. Cotton squaring 87%, 99% 1991, 96% avg.; setting bolls 62%, 86% 1991, 81% avg. Corn silking 95%, 99% 1991, 97% avg.; soft dough 73%, 87% 1991, 74% avg.; dented 51%, 65% 1991, 46% avg.; mature 18%, 30% 1991, 18% avg. Soybeans flowering 34%, 47% 1991, 36% avg. Soybeans setting pods 14%, 22% 1991, 12% avg. Flue-cured tobacco harvested 31%, 28% 1991, 22% avg. Irish potatoes harvested 95%, 97% 1991, 95% avg. Peaches harvested 78%, 78% 1991, 74% avg. Hay, roughage supplies 1% very short, 7% short, 86% adequate, 6% surplus. Hay second cutting 58%. Hay third cutting 23%. Major activities: Harvesting, marketing tobacco, harvesting vegetables. Other activities: Harvesting hay; spraying tobacco for sucker control; spraying soybeans; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: No Data Available.

OHIO: Front stalled across the Midwest last week as State has had each week throughout July. Much of north, central areas received above-normal rainfall with weekly totals ranging from 0.75 in. to over 3.00 in. Southern areas were drier with many areas receiving rainfall of less than 0.75 in. Cool weather prevailed keeping growing degree day accumulations, crop growth behind normal. Temperatures 2 to 7° below normal. Highs in mid 70s to low 80s with average lows in the mid 50s to low 60s. July was a very wet month for most with monthly rainfall ranging from 6.00 to 12.00 in. While the large amounts of rain caused flooding and standing water in fields, it has moved the Palmer Drought Index back towards normal.

Days suitable for fieldwork 2.4. Topsoil 1% short, 31% adequate, 68% surplus. Remaining wheat crop 8% very poor, 25% poor, 38% fair, 27% good, 2% excellent. Hay 4% very poor, 9% poor, 37% fair, 42% good, 8% excellent. Pasture 1% very poor, 4% poor, 27% fair, 53% good, 15% excellent. Oats 4% very poor, 9% poor, 37% fair, 44% good, 6% excellent. Tobacco has been damaged by weather as have many seasonal vegetables. Farmers have harvested wheat in spite of the weather.

OKLAHOMA: Temperatures 3° below normal southwest to 6° below normal southeast. Rainfall 0.01 in. west central to 1.68 in. east central.

Days suitable for fieldwork 5.4. Topsoil 12% short, 73% adequate, 15% surplus. Subsoil 100% adequate. Wheat 90% plowed, 94% 1991, 93% avg.; 6% seedbed prepared, 15% 1991, 12% avg. Cotton 22% poor, 3% fair, 75% good; 97% squaring, 85% 1991, 86% avg.; 18% setting bolls, 47% 1991, 48% avg. Sorghum 1% poor, 0% fair, 88% good, 11% excellent; 34% headed, 27% 1991, 46% avg.; 8% milk to soft, 11% 1991, 13% avg. Corn 84% milk to soft, 68% 1991, 64% avg.; 4% mature, 9% 1991, 12% avg. Soybeans 96% up to stand, 100% 1991, 100% avg.; 36% flowering, 46% 1991, 45% avg. Peanuts 86% pegging, 79% 1991, 83% avg. Pastures 103%. Cattle good; marketings average, prices steady to lower.

OREGON: Temperatures 6° above normal, except coastal areas slightly below normal. Record temperatures 30th Medford, Klamath Falls, Eugene; mid 90s to mid 100s. No precipitation.

Soil moisture 86% short, 14% adequate. Winter wheat 67% harvested. Barley 52% harvested. Eastern areas report many low test weights, variable protein levels. Some sprout damage, Pendleton area. Grass seed, hay harvest continues in Willamette Valley. Powdery mildew causing sugarbeet problems, Malheur County. Blueberry picking winding down. Gravenstein apples, Evergreen blackberry harvest underway, Willamette Valley. Bartlett pear harvest underway, Hood River Valley, Willamette Valley, Medford areas. Cranberry conditions excellent, southern coast. Hazelnut, walnut crops good. Klamath potatoes 80% in flower-tuber bulking stage. Early fresh market potato, onion harvest continues, Hermiston-Boardman district. Onion, potato damage from last week's hail storm extensive, Malheur County. Processing sweet corn harvest continues. Livestock continued good; rains have helped some higher elevation ranges. Stockwater continues to be short. Hay being feed many areas. Dryland pastures statewide dry, dormant. Range, pasture 53% of normal.

PENNSYLVANIA: Temperature 73°, 2° above normal. Extremes 45°; 89°. Precipitation 1.41; 0.55 in. above normal.

Days suitable for fieldwork 4. Soil moisture 1% short, 64% adequate, 35% surplus. Corn 42% silk, 74% 1991, 53% avg.; height 64 in., 57 in. 1991, 58 in. avg.; 1% very poor, 3% poor, 16% fair, 49% good, 31% excellent. Soybean 2% very poor, 4% poor, 17% fair, 48% good, 29% excellent. Barley 20% ripe, 4% 1991, 80% harvested, 96% 1991. Wheat 3% heading process or headed, 0% 1991, 6% turning yellow, 0% 1991; 47% ripe, 4% 1991, 44% harvested, 96% 1991; 2% very poor, 4% poor, 17% fair, 48% good, 29% excellent. Oats 9% heading process or headed, 1% 1991; 29% turning yellow, 8% 1991; 44% ripe, 21% 1991; 18% harvested, 70% 1991; 1% very poor, 4% poor, 24% fair, 52% good, 19% excellent. Alfalfa first cutting 100% complete, 100% 1991. Second cutting alfalfa 52% complete, 81% 1991. Quality of hay made 38% poor, 49% fair, 13% good. The first cutting of timothy clover was 98% complete. Last year at this time, it was 100% complete. Feed from pastures 1% very poor, 9% poor, 34% fair, 56% good. Peach 27% below avg., 64% avg., 9% above avg. Apple 18% below avg., 71% avg., 11% above avg. Activities: Spraying; hauling manure; maintaining machinery; cutting, baling hay; combining; fixing fence; caring for livestock.

PUERTO RICO: No Weather Data Available.

SOUTH CAROLINA: Temperatures across the State were near normal in the north to 3° above normal along coast, central. Average rainfall 0.40 in.

Days suitable for fieldwork 6.3. Soil moisture 21% very short, 68% short, 11% adequate. Tobacco fair; 47% harvested, 54% 1991, 41% avg. Corn fair to good; 96% dough stage, 96% 1991, 89% avg.; 43% mature, 62% 1991, 49% avg.; 6% harvested, 6% 1991, 4% avg. Cotton fair; 78% setting bolls, 91% 1991, 78% avg. Soybeans fair to good; 38% blooming, 44% 1991, 36% avg.; 16% setting pods, 19% 1991, 13% avg. Peaches poor to fair; 71% harvested, 76% 1991, 74% avg. Watermelons fair; 91% harvested, 86% 1991, 85% avg. Cantaloupes fair; 84% harvested, 84% 1991, 82% avg. Cucumbers fair to good; 89% harvested, 88% 1991. Snap beans fair to good. Apples fair to good; 0% harvested, 4% 1991. Grapes fair to good. Fall hay fair; 36% harvested, 33% 1991, 27% avg. Peanuts fair to good. Sorghum fair; 86% planted, 93% 1991, 96% avg.; 8% harvested, 10% 1991, 8% avg. Pastures fair. Rainfall needed for most crops.

SOUTH DAKOTA: Temperatures 5 to 10° below normal. Extremes 35°; 94°. Precipitation was generally less than 1.00 in. Maximum 1.61 in.

Days suitable for fieldwork 2.7. Topsoil 2% short, 69% adequate, 29% surplus. Subsoil 1% very short, 15% short, 74% adequate, 10% surplus. Rye 7% poor, 38% fair, 54% good, 1% excellent. Winter wheat 3% very poor, 18% poor, 50% fair, 26% good, 3% excellent. Barley 2% poor, 24% fair, 62% good, 12% excellent. Oats 2% poor, 22% fair, 62% good, 14% excellent. Flax 1% poor, 50% fair, 37% good, 12% excellent. Sunflowers 3% poor, 6% fair, 74% good, 17% excellent. Winter rye 14% harvested, 95% 1991, 91% avg. Barley 12% harvested, 82% 1991, 80% avg. Oats 18% harvested, 87% 1991, 83% avg. All crop progress remains behind normal due to wet conditions. Livestock 2% fair 70% good, 28% excellent. Pasture 93% of normal.

TENNESSEE: Scattered showers throughout week. Some areas now dry. All sections below normal rainfall. Temperatures below normal statewide.

Days suitable for fieldwork 4.3. Soil moisture 16% short, 80% adequate, 4% surplus. Corn 60% dough, 49% 1991, 55% avg.; 22% dent, 25% 1991, 25% avg.; 2% mature, 0% 1991, 1% avg.; 1% poor, 2% fair, 63% good, 34% excellent. Cotton 100% squaring, 92% 1991, 97% avg.; 76% setting bolls, 69% 1991, 82% avg.; 7% fair, 92% good, 1% excellent. Sorghum 78% headed, 49% 1991, 65% avg.; 7% fair, 76% good, 17% excellent. Soybeans 50% blooming, 29% 1991, 43% avg.; 17% setting pods, 9% 1991, 16% avg.; 8% fair, 78% good, 14% excellent. Tobacco 51% topped, 50% 1991, 36% avg.; 1% poor, 35% fair, 64% good. Pastures 1% poor, 9% fair, 78% good, 12% excellent. Cattle 9% fair, 84% good, 7% excellent.

TEXAS: Low pressure across Texas divided stable air to the east, west. Area of low pressure focused showers across North Texas, west central areas, along Coastal sections. Elsewhere, hot, dry conditions prevailed. Cloudiness kept Coastal locations cooler than normal. Data reflected rain activity across North, West Central Texas. Departures from normal rainfall all positive from East Texas to the Blacklands, the Cross Timbers, Edwards Plateau. South Plains above normal rainfall

totals. Positive departures ranged 1.51 in. the Cross Timbers to 1.01 in East Texas. Negative departures ranged -0.07 in. Lower Valley to -0.55 in. along Upper Coast. Coast had negative departures even though significant showers occurred.

Crops: Corn matured rapidly under hot, dry conditions. Many fields approached dented stage of growth on Plains. Harvesting in Blacklands and Central Texas. Hot temperatures encouraged cotton development on the Plains. Showers postponed irrigation in some areas. Insect control throughout State. Rio Grande Valley harvest operations began. Whiteflies noted, no major problems expected. Rice fields good growth. Some fields drained for harvest. Harvest operations active. Grain sorghum harvest winding down in South Texas, Rio Grande Valley. On the Plains, some spraying for weed control completed. Fields in Blacklands matured rapidly, midge problems in late planted fields. Spraying, cultivation practices underway in Central Texas. Dryland fields needed moisture to improve plant growth. Statewide peanut 85% normal, 81% 1991. Soybean fields rapidly growing in Upper Coast. Hot, humid conditions caused wilting in Central Texas. Stink bug infestation continued. Some early planted fields ready for harvest in East Texas.

Commercial Vegetables: San Antonio-Winter Garden, land preparation for fall vegetables underway. In East Texas, preparation for sweet potato harvest began. Melon, pea being harvested. On the High Plains, potato, onion harvested. Weeds plentiful. Insect pressure increased. In Trans-Pecos, melon, garlic being harvested. Pecan trees affected by hot weather conditions. Nut shedding, insect problems active throughout State.

Range and Livestock: Ranges, pastures dried down due to lack of moisture in many areas. Many pastures sprayed for weed control. Livestock good with abundant grazing. Armyworm outbreak spreading. Sporadic rainfall popped up across the State last week as hot, humid conditions continued throughout the week. Drying conditions early in the week were good for harvesting operations. Producers continued spraying, cultivating fields. Land preparation began for fall planted crop in the southern part of the State. Ranges, pastures that have not had ample moisture began to deteriorate. Haying operations remained active with excellent yields on second cuttings.

UTAH: Temperature maximums 2° above normal, minimums 1° above normal. Moderate precipitation was reported in the Southeastern division of the State; elsewhere precipitation was light, except in the North Central division, where none was reported.

Days suitable for fieldwork 6.7. Soil moisture 87% short, 13% adequate. Irrigation water supply 33% very short, 60% short, 7% adequate. Several counties in the state have reported irrigation water supplies have been completely depleted for the year. Stockwater supply 34% very short, 32% short, 34% adequate. Winter wheat: ripe 100%, 88% 1991; harvested 74%, 46% 1991, 64% avg. Spring wheat: ripe 91%, 54% 1991; harvested 51%, 29% 1991, 41% avg. Barley: ripe 92%, 64% 1991; harvested 55%, 39% 1991, 48% avg. Oats: turning 89%, 69% 1991; ripe 55%, 27% 1991, 50% avg.; harvested for hay or silage 74%, 17% 1991, 67% avg.; harvested for grain 19%, 6% 1991. Corn height 70 in., 60 in. 1991, 66 in. avg. Corn tasseling 66%, 35% 1991, 60% avg. Alfalfa 2nd cutting 90%, 61% 1991, 73% avg. Alfalfa 3rd

cutting 13%, 2% 1991. Other hay cut 80%, 77% 1991. Hay, roughage supplies 29% short, 56% adequate, 15% surplus. Tart cherries picked 100%. Apricots picked 94%. Peaches picked 19%. Pasture, range poor to fair.

VIRGINIA: High temperatures peaked above normal on three separate days, otherwise highs averaged near to below normal. Low temperatures were slightly above normal most of the week. Extremes 54°; 94°. Precipitation was recorded Statewide with 4.31 in. recorded at Dulles Airport.

Days suitable for fieldwork 4.0. Topsoil 15% short, 75% adequate, 10% excellent. Pasture 5% poor, 32% fair, 54% good, 9% excellent. Alfalfa 5% poor, 29% fair, 54% good, 12% excellent. Other hay 2% poor, 38% fair, 51% good, 9% excellent. Corn silked 69%, 80% 1991, 71% avg.; dough stage 37%, 50% 1991, 40% avg.; dented 15%, 25% 1991, 17% avg.; 3% poor, 31% fair, 55% good, 11% excellent. Soybeans 100% planted, 100% 1991, 100% avg.; 35% bloomed, 46% 1991, 38% avg.; setting pods 18%, 22% 1991, 17% avg.; 47% fair, 46% good, 7% excellent. Peanut 75% good, 25% excellent. Flue tobacco 13% harvested, 16% 1991, 10% avg. Tobacco 12% poor, 52% fair, 26% good, 10% excellent. Potato harvest continued. Peach harvest about 40% completed, the summer apple harvest continued. Livestock mostly good. Cutting hay, spraying alfalfa, fruit, irrigating tobacco. Topping, suckering tobacco. Harvesting tomatoes, cucumbers, peppers. Planting cucumbers, snap beans, peppers.

WASHINGTON: Temperatures normal to 5° above normal west; 2° below to 5° above normal, east. Rainfall, none reported statewide.

Days suitable for fieldwork 7.0. Soil moisture 36% short, 64% adequate. Hay, other roughage 1% short, 80% adequate, 19% surplus. Range, pasture 51% poor, 36% fair, 13% good. Winter wheat 55% harvested, 17% 1991, 34% avg. Barley 42% harvested, 15% 1991, 29% avg. Alfalfa hay second cut 90% complete, 71% 1991, 75% avg. Spring wheat 50% harvested, 18% 1991, 18% avg. Dry peas 33% harvested, 18% 1991, 44% avg. Potatoes 12% harvested, 6% 1991, 6% avg. Hot, dry weather had producers actively harvesting wheat, cutting hay. Second cutting of hay complete many areas; third cut starting. Field corn development ahead of normal west. Fresh pack potato harvest underway; yields normal to slightly above. Sweet corn ready for harvest west; harvest continues central locations. Blueberry harvest continues west, heavy yields reported. Bartlett pear blocks being picked in early areas. Many orchards to begin next week. Leaf miner above threshold levels some central areas. Peach, nectarine harvest progressed. Peppers, onions, tomatoes harvested Yakima county. Range, pasture conditions remain dry, despite earlier rain. Mild winter has external parasites at high levels.

WEST VIRGINIA: Temperature 70°. Extremes 46°; 92°. Precipitation 1.46 in.

Days suitable for fieldwork 3.6. Soil moisture, 79% adequate, 21% surplus. Tobacco 54% fair, 46% good; 23% topped. Gardens good. Oats good; 94% ripe. Wheat good; 73% harvested. Hay 23% fair, 77% good; 99% first cut, 43% second cut. Apples good. Peaches good. Corn 4% fair, 92% good, 4% excellent. Pastures 17% fair, 70% good, 13% excellent; 90% of normal. Cattle good. Sheep good. Soybeans good; 28% blooming. Farm activities: General maintenance, cutting hay, clipping pastures, gardening, hay, wheat harvest, topping tobacco, harvesting peaches.

WISCONSIN: Temperature 65°; 4° below normal. Extremes 36°; 88°. Precipitation 0.20 to 0.80 in. Cool, wet conditions throughout the State.

Days suitable for fieldwork 5.2. Soil moisture 36% short, 63% adequate, 1% surplus. Pasture 74% of normal, 76% 1991, 65% avg. General crops 2% very poor, 2% poor, 40% fair, 55% good, 1% excellent. Oats 3% very poor, 8% poor, 43% fair, 41% good, 5% excellent; harvested 7%, 53% 1991, 43% avg. Corn silked 36%, 80% 1991, 73% avg.; 4% very poor, 7% poor, 32% fair, 50% good, 7% excellent. Second crop hay 49% harvested, 73% 1991, 69% avg. Soybean 1% poor, 26% fair, 62% good, 11% excellent. Winter wheat 14% harvested, 86% 1991, 73% avg.

WYOMING: Temperatures were normal to below normal across State. Most locations 1 to 3° below normal. Precipitation varied greatly. Western half of the State had below normal precipitation while the eastern half had normal to above normal amounts.

Days suitable for fieldwork 6.0. Topsoil 52% short, 46% adequate, 2% surplus. Spring wheat 25% headed, 24% 1991, 7% avg.; 46% turning color, 40% 1991, 36% avg.; 15% mature, 31% 1991, 38% avg.; 14% harvested, 5% 1991, 18% avg. Oats 43% headed, 30% 1991, 20% avg.; 37% turning color, 38% 1991, 35% avg.; 14% mature, 28% 1991, 34% avg.; 6% harvested, 4% 1991, 11% avg. Barley 18% headed, 22% 1991, 10% avg.; 23% turning color, 28% 1991, 23% avg.; 39% mature, 36% 1991, 42% avg.; 20% harvested, 14% 1991, 24% avg. Winter wheat 31% turning color, 19% 1991, 8% avg.; 30% mature, 38% 1991, 33% avg.; 39% harvested, 43% 1991, 60% avg. Potatoes 85% in bloom, 75% 1991, 90% avg. Dry beans 64% in bloom, 68% 1991, 76% avg.; 45% setting pods, 50% 1991, 49% avg. Corn 36% tasseled, 72% 1991, 73% avg.; 26% silked, 32% 1991, 33% avg. Alfalfa 90% of first cutting completed; 23% of second cutting completed, 23% 1991, 33% avg. Other hay 54% of acreage harvested, 73% 1991, 72% avg. Winter wheat, spring wheat fair to good. Oats, barley fair to mostly good. Oats, barley, spring wheat excellent. Potatoes mostly fair. Corn, sugarbeets, dry beans, alfalfa fair to mostly good. Range, pastures good to excellent.

July 1992

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
*** = DATA NOT AVAILABLEInternational Weather and Crop Summary
HIGHLIGHTS

July 26 - August 1, 1992

FSU: In western areas, little, if any, precipitation favors winter and spring grain harvests. In the **New Lands**, unseasonably cold weather slows crop development.

EUROPE: Generally favorable weather prevails for winter grain harvesting and summer crop development.

SOUTH ASIA: Heavy showers benefit rain-fed crops in central India, but more rain is needed in the far north and southern interior.

EASTERN ASIA: Northern spring wheat areas experience harvest delays. Dry weather across southern China favors grain-filling rice.

SOUTHEAST ASIA: Heavy rain soaks Thailand's rice and corn areas.

AUSTRALIA: Soil moisture remains limited for winter wheat in the east.

SOUTH AMERICA: Late winter wheat planting progresses in Argentina. Adequate to abundant moisture aids winter wheat in southern Brazil.

MEXICO: Widespread tropical showers favor summer crops, but northeastern areas are becoming dry.

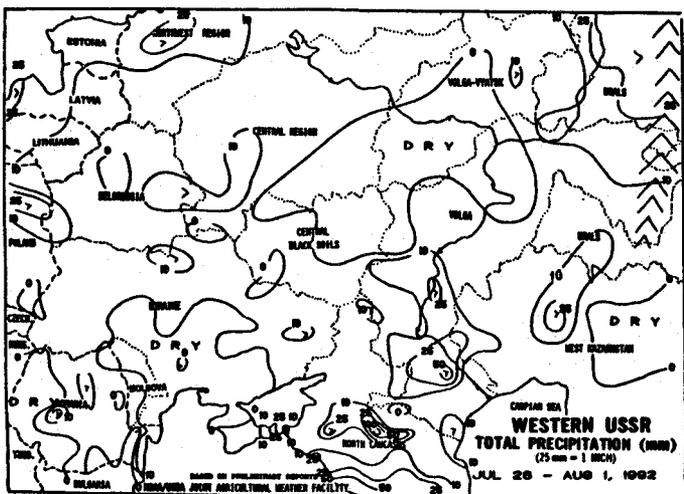
CANADA: Beneficial rain helps reproductive to filling crops in Saskatchewan and southern Alberta, but misses chronically dry northern Alberta.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG DPART	F/NRM TOTAL	F/NRM DPART	
NORWAY	OSLO	21	11	25	6	16	0.5	102	10
SWEDEN	STOCKHOLM	23	13	28	6	18	0.5	96	26
FINLAND	HELSINKI	23	12	29	5	17	0.3	46	-26
U KING	GLASGOW	19	11	26	3	15	-0.9	58	-25
	EDINBURGH	19	11	24	3	15	0.2	48	-17
	BIRMINGHAM	21	12	26	8	16	0.5	121	68
	LONDON	22	13	27	7	17	1.2	55	6
IRELAND	DUBLIN	19	13	23	8	16	0.8	70	11
ICELAND	REYKJAVIK	13	7	17	3	10	-0.9	33	-14
DENMRK	COPENHAGEN	23	15	28	11	19	1.0	8	-63
LUXEMB	LUXEMBOURG	24	14	32	10	19	1.6	69	3
SWITZL	ZURICH	24	15	31	12	19	1.9	106	-24
	GENEVA	26	15	32	11	21	1.5	98	30
FRANCE	PARIS/ORLY	26	15	35	12	20	***	31	**
	STRASBOURG	26	15	34	11	21	1.9	60	-2
	BOURGES	25	15	34	11	20	1.1	118	68
	BORDEAUX	27	16	35	13	21	2.0	72	18
	TOULOUSE	27	17	34	13	22	1.0	70	23
	MARSEILLE	29	19	37	15	24	0.5	21	7
SPAIN	VALLADOLID	31	15	37	10	23	2.3	1	-16
	MADRID	34	17	40	12	25	0.6	13	5
GERMNY	LEIPZIG	**	**	**	**	**	***	**	**
	DRESDEN	**	**	**	**	**	***	**	**
	HAMBURG	24	14	35	9	19	2.4	69	-18
	BERLIN	26	16	35	12	21	2.1	103	42
	DUSSELDORF	25	16	31	12	21	2.2	79	4
	STUTTART	24	14	33	10	19	1.5	115	37
	NURNBERG	25	14	35	9	20	1.7	67	-3
	MUNICH	**	**	**	**	**	***	**	**
AUSTRI	VIENNA	28	15	34	10	21	1.1	31	-39
	INNSBRUCK	26	14	34	10	20	2.4	101	-34
CZECH	PRAGUE	25	13	33	8	19	1.6	64	-7
POLAND	WARSAW	26	14	34	8	20	1.9	26	-51
	LODZ	26	14	33	9	20	2.2	47	-44
	KATOWICE	26	13	31	6	19	1.5	61	-33
	PRZEMYSL	**	**	**	**	**	***	**	**
HUNGAR	BUDAPEST	28	16	33	12	22	1.4	98	30
YUGOSL	SARAJEVO	**	**	**	**	**	***	**	**
ROMANI	BUCHAREST	29	14	34	7	21	-1.2	32	-33
BULGAR	SOFIA	26	14	32	9	20	0.3	30	-32
ITALY	MILAN	29	18	33	14	23	0.5	64	2
	VERONA	30	18	34	12	24	0.9	55	-5
	VENICE	28	19	33	15	23	0.3	42	-26
	GENOVA	26	21	31	17	24	-0.9	31	3
	ROME	28	18	33	15	23	-0.6	17	4
	NAPLES	30	20	36	15	25	1.6	50	29
GREECE	THESSALONIKA	30	19	34	14	24	-2.6	35	10
	LARISSA	31	17	37	13	24	-3.2	22	3
	ATHENS	30	21	35	17	26	-2.6	1	-1
TURKEY	ISTANBUL	27	19	32	15	23	-0.8	24	3
	ANKARA	25	11	32	6	18	-5.5	31	11
CYPRUS	LARNACA	31	21	35	17	26	-1.0	6	5
FSU	TALLINN	22	12	30	7	17	0.6	30	-47
	LENINGRAD	22	14	30	3	18	0.3	68	-8
	KAUNAS	25	13	32	5	19	1.6	23	-49
	MINSK	25	13	32	7	19	1.7	21	-59
	KAZAN	23	12	30	6	18	-1.6	45	-21
	MOSCOW	24	13	31	7	18	0.1	24	-61
	SVERDLOVSK	20	11	30	6	16	-2.3	131	47
	OMSK	24	14	37	5	19	-0.3	39	-26
	KUSTANAY	24	13	33	1	19	-2.0	29	-19
	KRASNOYARSK	25	12	32	2	19	0.1	25	-51
	NOVOSIBIRSK	24	14	33	9	19	0.4	88	29
	BARNAUL	26	15	39	11	21	0.6	34	-27
	KHABAROVSK	26	15	33	1	20	-0.9	123	6
	VLADIVOSTOK	24	17	33	11	21	3.1	36	-88
	KIEV	26	16	31	10	21	1.1	63	-17
	LVOV	25	13	29	5	19	0.9	68	-29
	KIROVOGRAD	27	14	33	8	20	-0.8	13	-48
	ODESSA	27	18	30	13	23	0.7	47	0

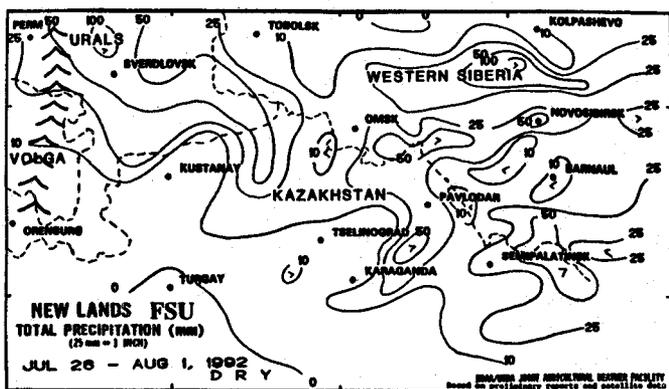
Based on Preliminary Reports

July 1992

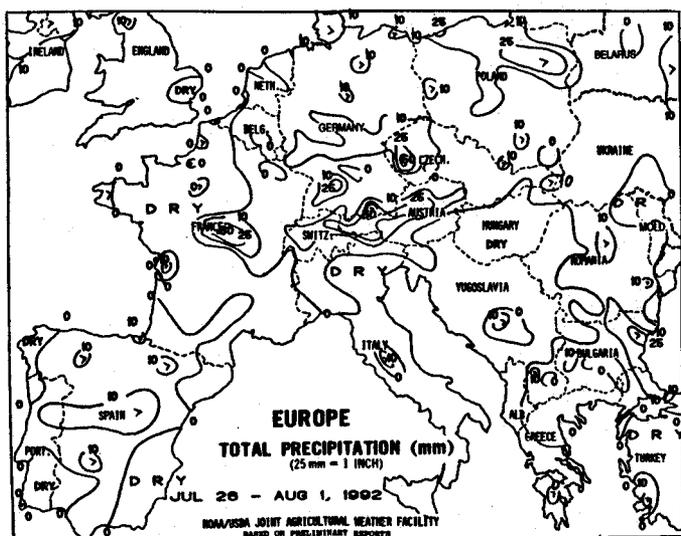
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)									
		AVG	AVG	HI	LO	DPART	TOTAL	DPART	AVG			AVG	HI	LO	DPART	TOTAL	DPART									
		MAX	MIN	MAX	MIN	AVG	F/NRM	F/NRM			MAX	MIN	MAX	MIN	AVG	F/NRM	F/NRM			MAX	MIN	AVG	F/NRM	F/NRM		
FSU	YALTA	26	19	33	15	23	-1.7	34	-14	KENYA	NAIROBI	23	12	27	9	17	0.3	35	22							
	VORONEZH	24	13	32	7	19	-0.9	71	3	TANZAN	DAR ES SALAAM	28	19	30	16	24	-0.1	137	106							
	SARATOV	25	16	30	10	21	-0.3	56	9	GABON	LIBREVILLE	26	21	28	20	24	-0.4	0	-1							
	KHARKOV	25	15	30	10	20	-1.1	64	6	TOGO	LOME	28	23	30	22	26	0.9	1	-100							
	VOLGOGRAD	27	16	32	8	21	-2.5	108	81	B FASO	OUAGADOUGOU	32	23	35	19	28	0.6	213	25							
	ROSTOV	25	16	30	11	21	-2.6	105	51	IVRY C	ABIDJAN	27	22	30	20	25	-0.4	35	-277							
	ASTRAKHAN	29	18	36	14	24	-1.6	79	57	MOZAMB	MAPUTO	26	14	32	11	20	1.7	2	-17							
	KRASNODAR	27	16	31	9	21	-2.2	214	169	ZAMBIA	KABWE	24	8	25	7	15	-0.4	0	0							
	ORENBURG	25	13	33	6	19	-2.8	32	-8	ZIMBAB	HARARE	21	8	24	3	15	1.4	0	-1							
	TSELINGRAD	26	14	38	8	20	0.1	57	6	S AFRI	PRETORIA	21	5	24	1	13	2.2	0	-6							
	KARAGANDA	26	14	39	7	20	-0.6	16	-27		KROONSTAD	19	-1	23	-6	9	0.2	1	-7							
	TBILISI	29	19	34	12	24	-0.8	46	1		JOHANNESBURG	18	3	22	-2	11	0.8	0	-7							
	TASHKENT	35	19	40	15	27	-0.2	0	-4		BETHAL	19	-1	23	-11	9	0.1	0	-8							
	ASHKHABAD	38	22	42	19	30	-0.8	0	-1		DURBAN	25	10	30	4	17	1.1	8	-26							
SYRIA	DAMASCUS	35	16	40	12	25	-1.6	0	0		CAPE TOWN	17	8	23	1	12	0.6	78	5							
ISRAEL	JERUSALEM	28	17	34	15	23	-0.8	0	0	CANADA	TORONTO	23	13	27	8	18	-2.5	135	64							
PAKIST	KARACHI	33	27	38	21	30	-0.3	11	-89		MONTREAL	24	14	28	7	19	-2.3	137	47							
INDIA	AMRITSAR	34	26	38	24	30	-0.9	85	-99		WINNIPEG	21	11	27	7	16	-3.7	112	36							
	NEW DELHI	33	27	38	25	30	-1.0	75	-160		REGINA	23	10	30	6	16	-2.8	57	4							
	AHMEDABAD	35	26	40	23	30	0.6	198	-69		SASKATOON	23	11	29	6	17	-1.7	67	13							
	INDORE	33	24	38	21	28	1.7	161	-124		LETHBRIDGE	21	10	28	3	16	-3.0	115	72							
	CALCUTTA	33	26	36	23	29	0.3	360	38		CALGARY	20	9	26	4	14	-2.0	77	11							
	VERAVAL	31	28	34	26	29	1.2	362	61		EDMONTON	22	11	28	6	17	-0.9	71	-18							
	BOMBAY	31	26	32	23	29	1.5	609	-337		VANCOOVER	22	15	29	13	18	1.1	42	10							
	POONA	30	23	33	20	26	0.9	128	-65	MEXICO	GUADALAJARA	28	17	34	14	22	0.9	652	395							
	BEGAMPET	33	23	35	19	28	1.4	91	-72		MEXICO CITY	23	13	28	12	18	1.4	215	90							
	MADRAS	36	27	39	23	32	1.0	89	-31		ACAPULCO	34	25	35	24	29	0.8	180	-55							
	MANGALORE	29	23	31	22	26	-0.1	1111	52		BERMUD	ST. GEORGES	30	25	32	17	28	1.2	32	-77						
H KONG	HONG KONG	31	28	31	27	29	0.7	4	-313		BAHAMA	NASSAU	32	24	33	21	28	0.5	35	-122						
N KREA	PYONGYANG	26	20	31	16	23	-0.7	195	-202		CUBA	HAVANA	31	24	33	21	28	0.4	127	22						
S KREA	SEOUL	28	22	32	19	25	0.7	270	-88		JAMAIC	KINGSTON	33	26	36	25	30	1.2	23	-19						
JAPAN	SAPPORO	25	18	31	15	21	1.2	48	-33		P RICO	SAN JUAN	31	25	33	23	28	0.4	96	-31						
	NAGOYA	31	23	37	17	27	1.4	138	-80		GUADEL	RAIZET	32	24	33	22	28	1.2	48	-57						
	TOKYO	29	23	35	17	26	0.7	132	7		MARTINQ	LAMENTIN	30	26	31	24	28	1.8	135	-86						
	YOKOHAMA	28	22	34	17	25	0.6	134	-7		BARBAD	BRIDGETOWN	30	25	31	24	27	0.2	62	-68						
	KYOTO	32	23	36	18	27	1.2	146	-71		TRINID	PORT OF SPAIN	31	24	35	22	28	1.5	93	-167						
	OSAKA	31	24	35	18	28	0.6	89	-104		COLOMB	BOGOTA	18	9	22	6	13	0.4	41	0						
THAILN	PHEITCHABUN	33	24	36	23	29	0.7	195	24		VENEZU	CARACAS	32	25	34	21	29	2.1	30	-21						
	BANGKOK	33	26	36	24	29	0.7	222	49		F GUIA	CAYENNE	30	22	31	21	26	0.3	134	-126						
MALAYS	KUALA LUMPUR	32	23	33	22	28	1.3	178	48		BRAZIL	FORTALEZA	29	22	31	20	26	-0.5	22	-86						
VIETNM	HANOI	32	27	37	24	29	0.4	378	56			RECIFE	27	21	29	19	24	0.3	223	-81						
CHINA	HARBIN	28	17	33	11	23	-0.5	127	-33			BELO HORIZONTE	24	15	29	12	20	1.3	16	-36						
	HAMI	33	18	40	13	25	-1.5	24	18			CAMPO GRANDE	26	13	31	4	19	0.2	5	-32						
	LANCHOW	28	16	33	12	22	-0.6	84	20			FRANCA	24	14	27	9	19	1.8	30	14						
	BEIJING	31	22	38	19	27	0.9	157	-36			LONDRINA	22	11	27	2	16	-0.1	10	-67						
	TIENTSIN	31	22	38	18	27	0.2	91	-99			SANTIA MARIA	16	8	28	1	12	-1.9	87	-56						
	LHASA	23	11	28	7	17	0.9	71	-67		PERU	LIMA	19	16	21	14	17	0.7	4	-1						
	KUNMING	23	17	27	15	20	0.2	76	-136		BOLIVI	LA PAZ	13	-3	15	-6	5	-2.3	15	6						
	CHENGCHOW	33	23	40	20	28	0.5	137	-18		CHILE	SANTIAGO	12	2	18	-3	7	-1.2	8	-59						
	YEHCHANG	32	24	38	18	28	-0.3	188	-32		ARGENT	IGUAZU	19	9	28	-1	14	***	109	**						
	HANKOW	33	25	37	21	29	0.0	93	-64			FORMOSA	18	10	29	1	14	-2.7	56	8						
	CHIHKLIANG	32	22	36	18	27	-0.6	76	-72			CERES	15	4	27	-4	10	-2.9	11	-7						
	SHANGHAI	32	25	38	20	28	***	24	**			CORDOBA	14	3	27	-3	9	-1.9	16	8						
	NANCHANG	33	25	40	20	29	-0.8	127	1			RIO CUARTO	12	1	21	-11	7	-2.3	10	0						
	TAIPEI	33	26	35	24	29	1.2	126	-108			ROSARIO	13	4	24	-3	9	-1.5	18	-22						
	CANTON	33	25	36	22	29	0.6	152	-61			BUENOS AIRES	12	3	23	-3	8	-2.1	38	-27						
	NANNING	32	25	36	23	29	0.4	241	46			SANTIA ROSA	12	0	18	-6	6	-1.7	2	-15						
CNRY I	LAS PALMAS	26	21	31	20	23	0.2	0	0			TRES ARROYOS	11	1	13	-3	6	-1.3	3	-49						
MOROCC	CASABLANCA	25	20	29	17	23	0.6	0	0		N CALD	NOUMEA	23	17	25	15	20	0.3	14	-69						
	MARRAKECH																									



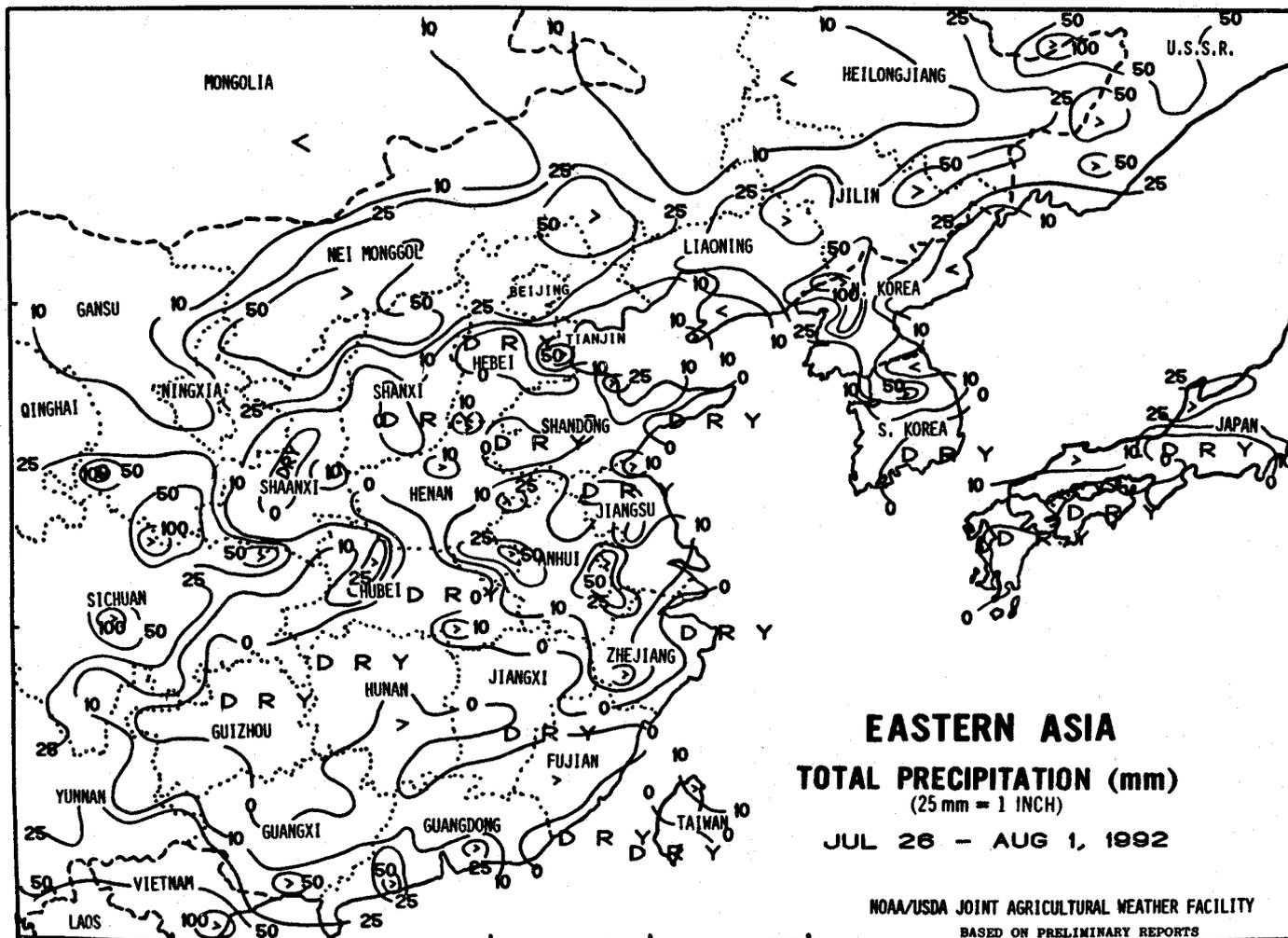
FSU - WESTERN: Winter grain harvesting was well underway, with spring grain harvest occurring in southern and eastern Ukraine, North Caucasus, and lower Volga. Mostly dry weather in Belarus, Ukraine, Central Region, Black Soils Region, Volga Vyatsk, middle Volga Valley, and the northern tip of North Caucasus allowed the harvest to progress with few delays. Welcomed drier weather covered central North Caucasus, improving harvest conditions. However, some interruptions in harvest were still possible early in the week when showers and thunderstorms produced 10-34 mm of rain. Additional rain is needed in Ukraine for corn in the filling stage. Average temperatures were 1-2 degrees Celsius (C) above normal in the west and 1-2 degrees C below normal in the east.



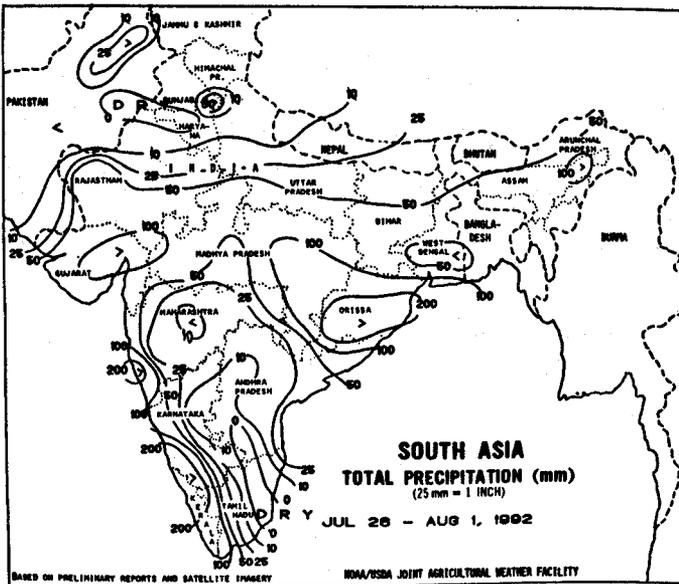
FSU - NEW LANDS: Spring grains were filling over most of the region, except for northernmost crop areas, where the crop was advancing through reproduction. Moderate to heavy rain (25-50 mm, with local amounts in excess of 60 mm) soaked crop areas in the northern Urals, parts of Kazakhstan, and in a narrow band that stretched eastward from Omsk to Novosibirsk in West Siberia. Dry weather continued over spring grains in the southern Urals, western Kazakhstan, and crop areas in and around Barnaul, West Siberia. Average temperatures ranging from 2 to 4 degrees Celsius below normal slowed crop development over most of the region, except in the extreme east, where temperatures averaged 1-2 degrees Celsius above normal.



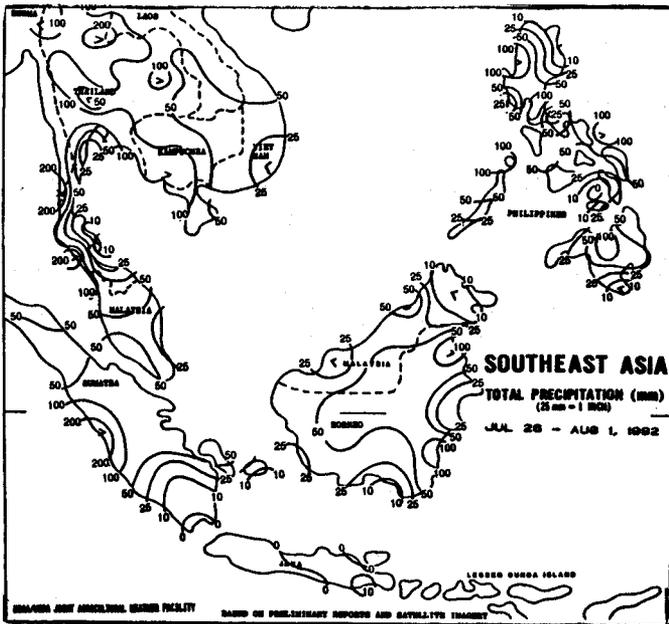
EUROPE: Dry weather prevailed from western France across Italy to Hungary and southward to Greece. Light showers (less than 10 mm) were scattered across northern Europe from England to Poland. Heavier rain (10-30 mm, with isolated amounts of 30-75 mm) was concentrated mostly over southern Germany, western Czechoslovakia, and the Alpine region. Much-needed moisture (10-34 mm) fell in extreme northern Germany and across northern Poland, helping immature crops suffering from a prolonged moisture deficiency. Temperatures averaged 1-5 degrees Celsius above normal over most of Europe, except the southeast, where temperatures averaged 1-4 degrees Celsius below normal. The warm, mostly dry, weather pattern promoted winter grain harvesting across the north, and hastened summer crop development.



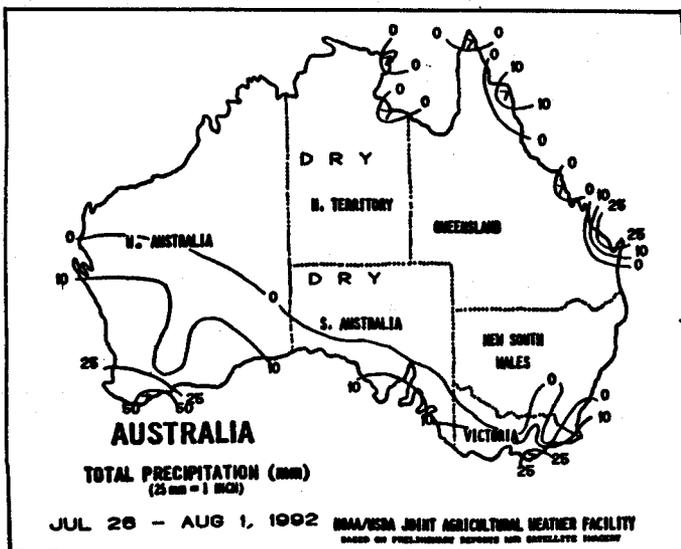
EASTERN ASIA: Scattered showers were common over the North China Plain, where mainly adequate moisture existed for reproductive to filling corn, soybeans, and rain-fed cotton. However, high maximum temperatures (35-40 degrees C) increased crop water use for summer crops, and additional rainfall would be helpful. Widespread moderate rain covered extreme northern China (Nei Mongol, northern Shanxi, and Hubei), delaying spring wheat harvesting. Light to moderate rain (7-85 mm) fell across Manchuria, aiding vegetative to reproductive corn and soybeans. Dry weather prevailed across south-central China (Guizhou, Hunan, Hubei, and Jiangxi), aiding grain-filling to maturing single-crop rice. Scattered showers fell elsewhere in southern China, keeping reservoir levels high for rice. Temperatures averaged 2-4 degrees C above normal across eastern and central China and 1-2 degrees below normal in Manchuria.



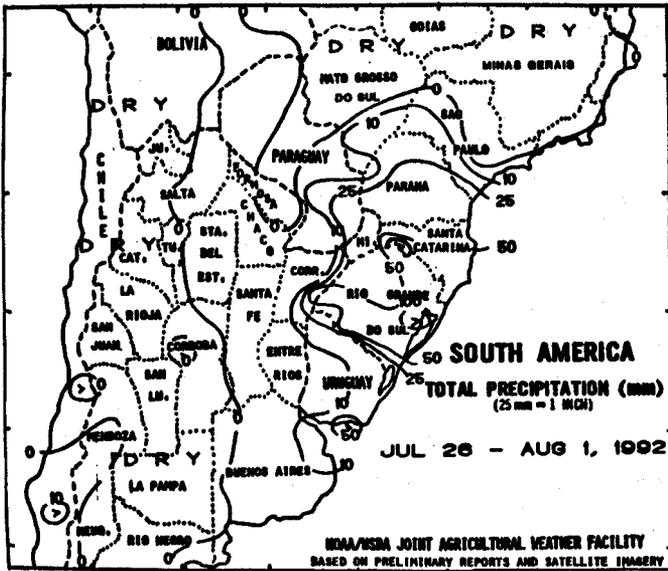
SOUTH ASIA: Moderate to heavy showers (50-100 mm or more) accompanied a cyclone from Orissa across central India to Gujarat. Although pockets of lighter rain (25-50 mm) were reported in crop regions of Madhya Pradesh and Rajasthan, cumulative rainfall in recent weeks has greatly improved prospects for rain-fed grains, oilseeds, and cotton following the late start to the monsoon. In contrast, less rain fell both to the south and north of the storm track, as crop areas of India's southern interior and from Uttar Pradesh northwestward received less than 25 mm. Rain is needed soon in southern India's rain-fed grain, oilseed, and cotton areas as crops advance through reproduction. However, irrigated rice area along the southeast coast received beneficial rain (25-48 mm), as did most rice areas of eastern India and Bangladesh.



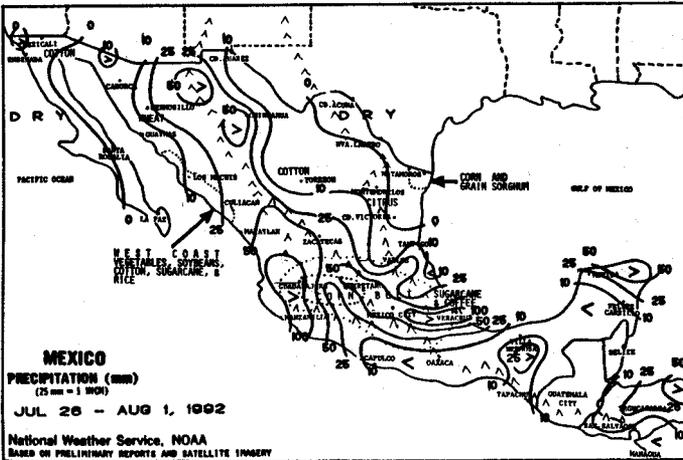
SOUTHEAST ASIA: Moderate to heavy showers (50-100 mm or more, with isolated totals of 200 mm) covered much of Indochina, including previously dry rain-fed rice and areas of Thailand. Ironically, Thailand's heaviest rain (100-211 mm) was concentrated in the Northern Hills region along the Chao Phraya river, likely causing flooding in that previously drought-stricken area. More flooding was also likely in northern Vietnam, where an additional 92-126 mm fell. Further south, unseasonably heavy showers (25-50 mm or more) gave irrigation supplies a boost in Malaysia and Indonesia, but missed Java, where showers would have been welcomed for the dry-season rice crops. In the Philippines, heavy showers (50-100 mm or more) continued over grain regions of central and southern Luzon and Mindanao, improving moisture for main-season rice and corn. Drier weather (rainfall accumulations of 25 mm or less) continued over northern Luzon and sugarcane areas of the western Visayans.



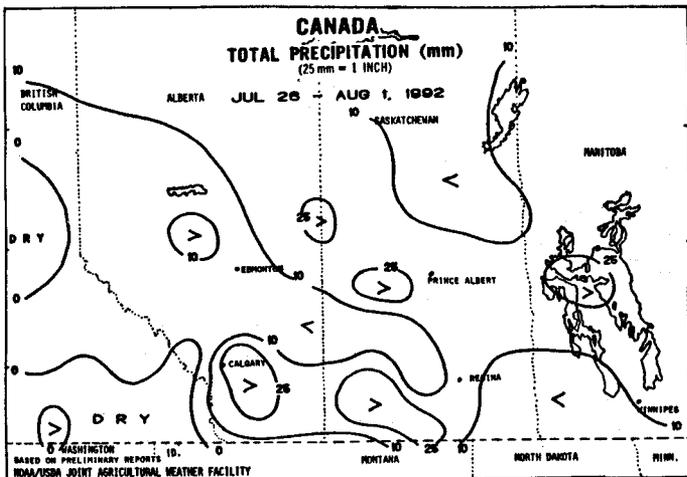
AUSTRALIA: Little or no rain fell across southern Queensland and northern New South Wales, where topsoil moisture is somewhat limited. The remaining eastern and southern areas received light rain (less than 10 mm), keeping topsoils moist for germinating to vegetative winter wheat. Western Australia continued to receive light to moderate rains (8-22 mm), keeping growing conditions favorable to excellent. Temperatures averaged 1-2 degrees C above normal in the west, 2-3 degrees C above normal in the east and near normal in the south.



SOUTH AMERICA: In Argentina, light rain (2-20 mm) fell across Buenos Aires, causing only slight delays in late winter wheat planting and benefiting germination. Moderate to heavy rain (26-104 mm) fell across southern Brazil, keeping soil moisture abundant for vegetative to reproductive winter wheat. Dry weather continued to favor coffee and citrus harvesting in Sao Paulo and Minas Gerais. Temperatures averaged 2-3 degrees C below normal across central Argentina and near normal in southern Brazil.



MEXICO: Tropical moisture pushed northward across western Mexico, producing moderate to heavy showers (34-140 mm) and favoring reservoir levels and corn growth, but causing some local flooding. The central and eastern Southern Plateau corn belt received moderate to heavy rain (33-147 mm), aiding sugarcane, coffee, and vegetative to reproductive corn. Northeastern Mexico remained dry, continuing a several-week dry trend that has limited soil moisture for corn and sorghum. Temperatures averaged near normal across the corn belt.



CANADA: Scattered showers (10-30 mm) boosted topsoil moisture in primary grain and canola areas of northern and southwestern Saskatchewan and southern Alberta, aiding reproductive to filling crops. However, unfavorably dry conditions persisted over most northern Alberta crop areas, including the Peace River Valley. Drier-than-normal conditions have prevailed since June in these areas, stressing grains and oilseeds, and this week's near-normal temperatures further increased crop moisture demand. In Manitoba, damp weather lingered until midweek, with temperatures averaging 3-5 degrees C below normal. Sunny weather the latter half of the week aided development, but a long period of warmer, drier weather is needed to improve crop quality and boost development to a normal pace. Further east, light to moderate showers (10-42 mm) swept across crop regions of Ontario and Quebec. However, like the Prairies, temperatures averaged 2-4 degrees C below normal, continuing this season's trend of cool weather.

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