

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

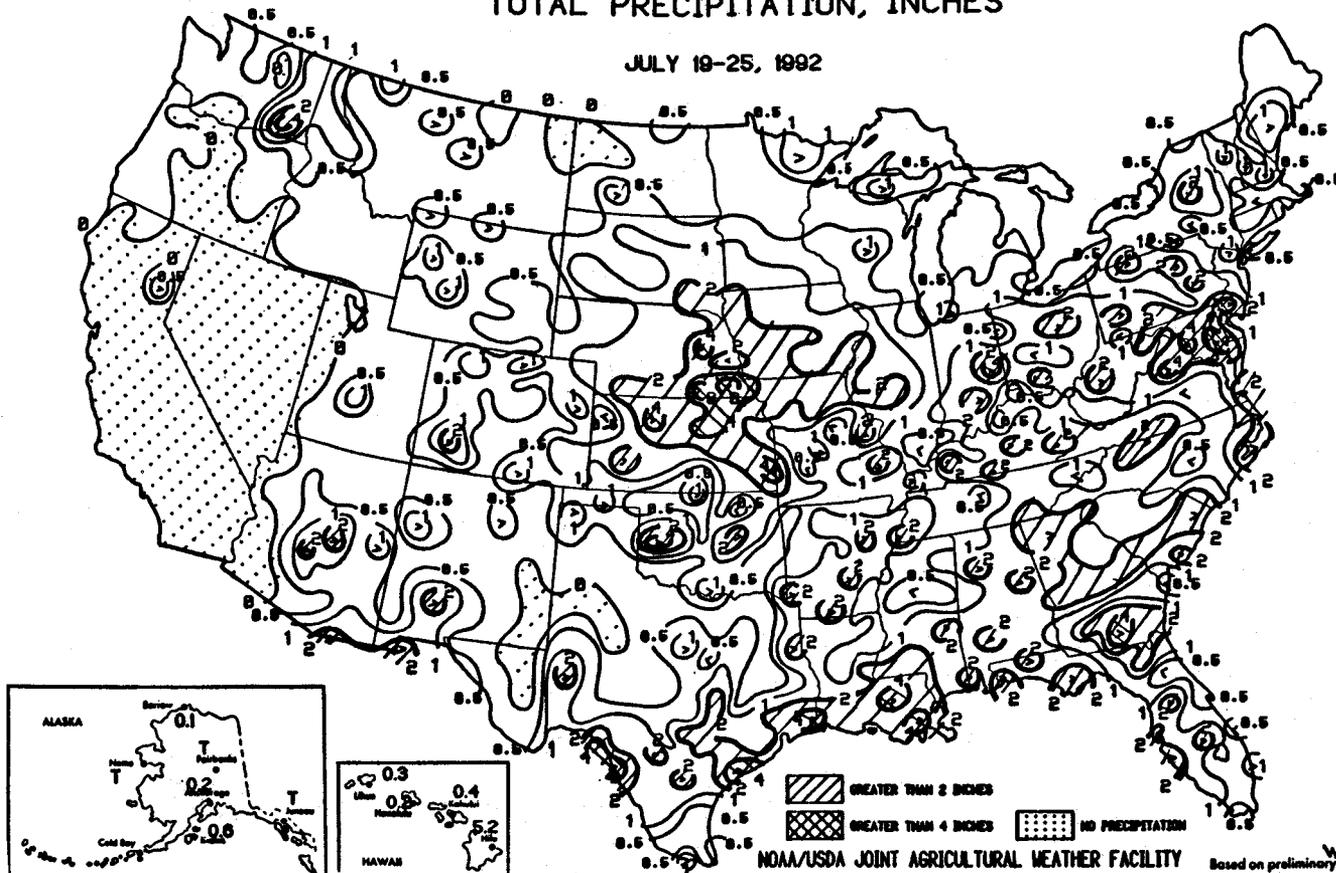
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Washington, D.C.

July 28, 1992

TOTAL PRECIPITATION, INCHES

JULY 19-25, 1992



HIGHLIGHTS

July 19 - 25, 1992

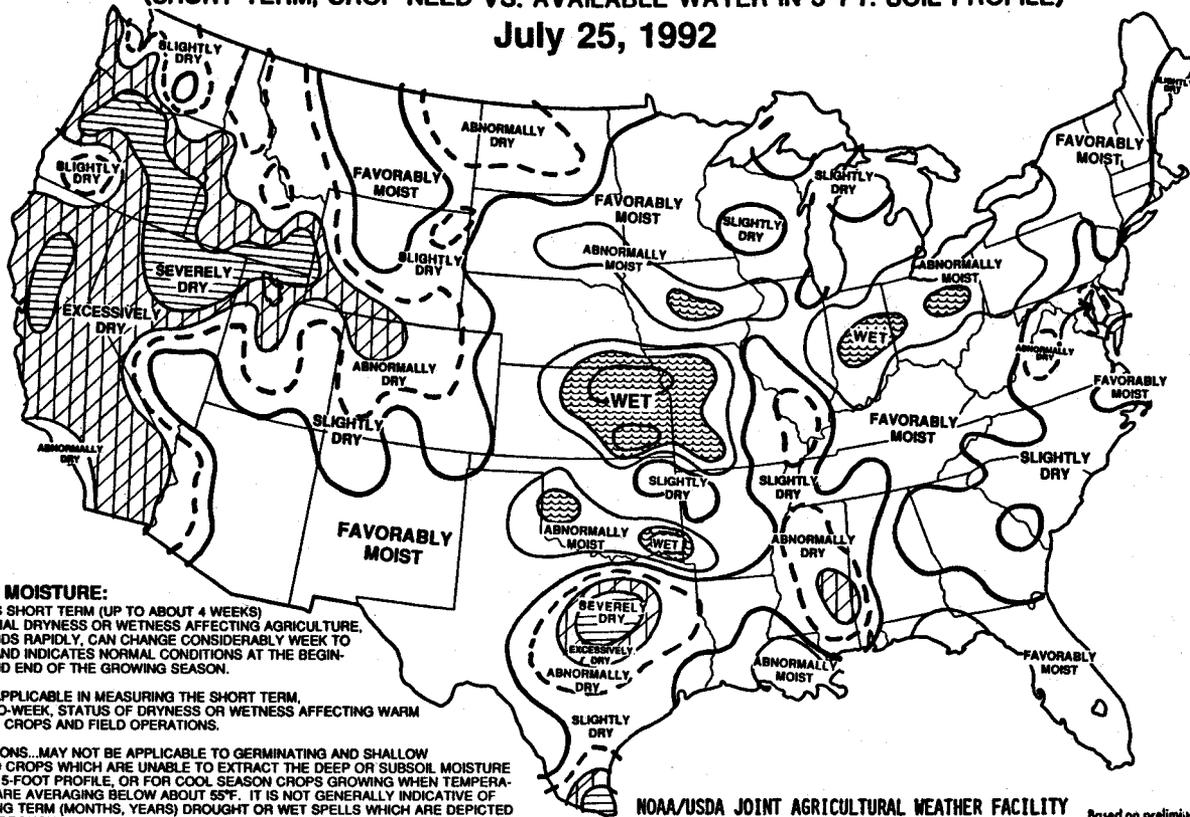
Persistent rains from the **central Plains** to the **East Coast** benefited crops in the reproductive stage, but led to flash flooding where topsoils have become saturated during the past 3 weeks. Cooler-than-normal weather overspread all but the **Southeastern States**, continuing a summer-long trend in parts of the Nation. (For example, weekly average temperatures have not been above normal in **Muskegon, MI**, since the freeze of May 25.) Early in the week, rain fell in separate bands along the **Gulf coast** and from the **central States** into the **Northeast**. Rainfall reached 4.75 inches in **Palacios, TX**, and 3.90 inches in **Manhattan, KS**. Up to 2 inches of rain caused rapid runoff and flash flooding from **central Ohio** to **northwestern Pennsylvania**. Farther north, **International Falls, MN**, noted a daily record low of 41°F. At midweek, thunderstorms infiltrated the **Northwest** and the **Southeast**.

(Continued to back cover)

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CROP MOISTURE (SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE) July 25, 1992



CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONSES RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

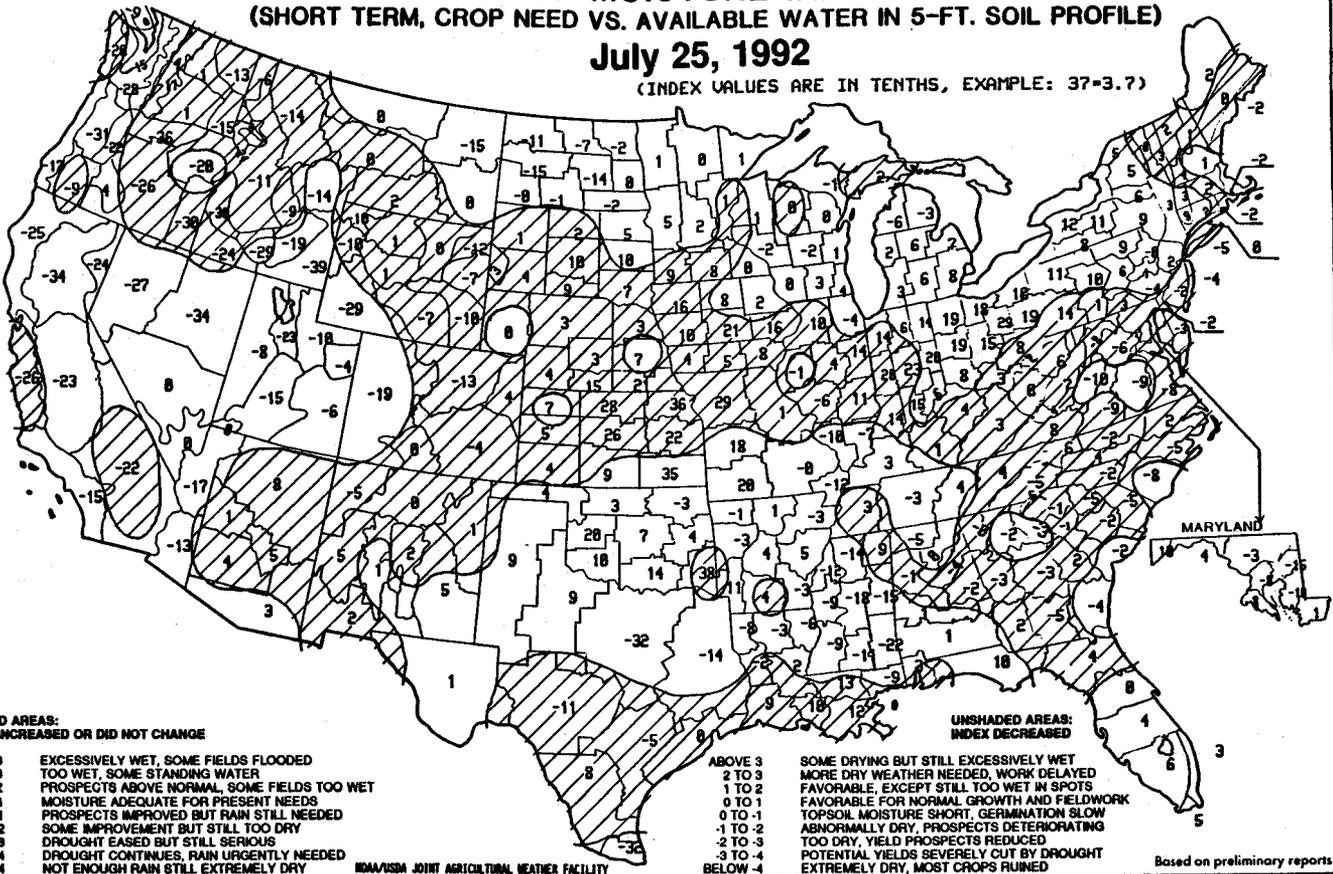
USES... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX (SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE) July 25, 1992

(INDEX VALUES ARE IN TENTHS, EXAMPLE: 37-3.?)



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

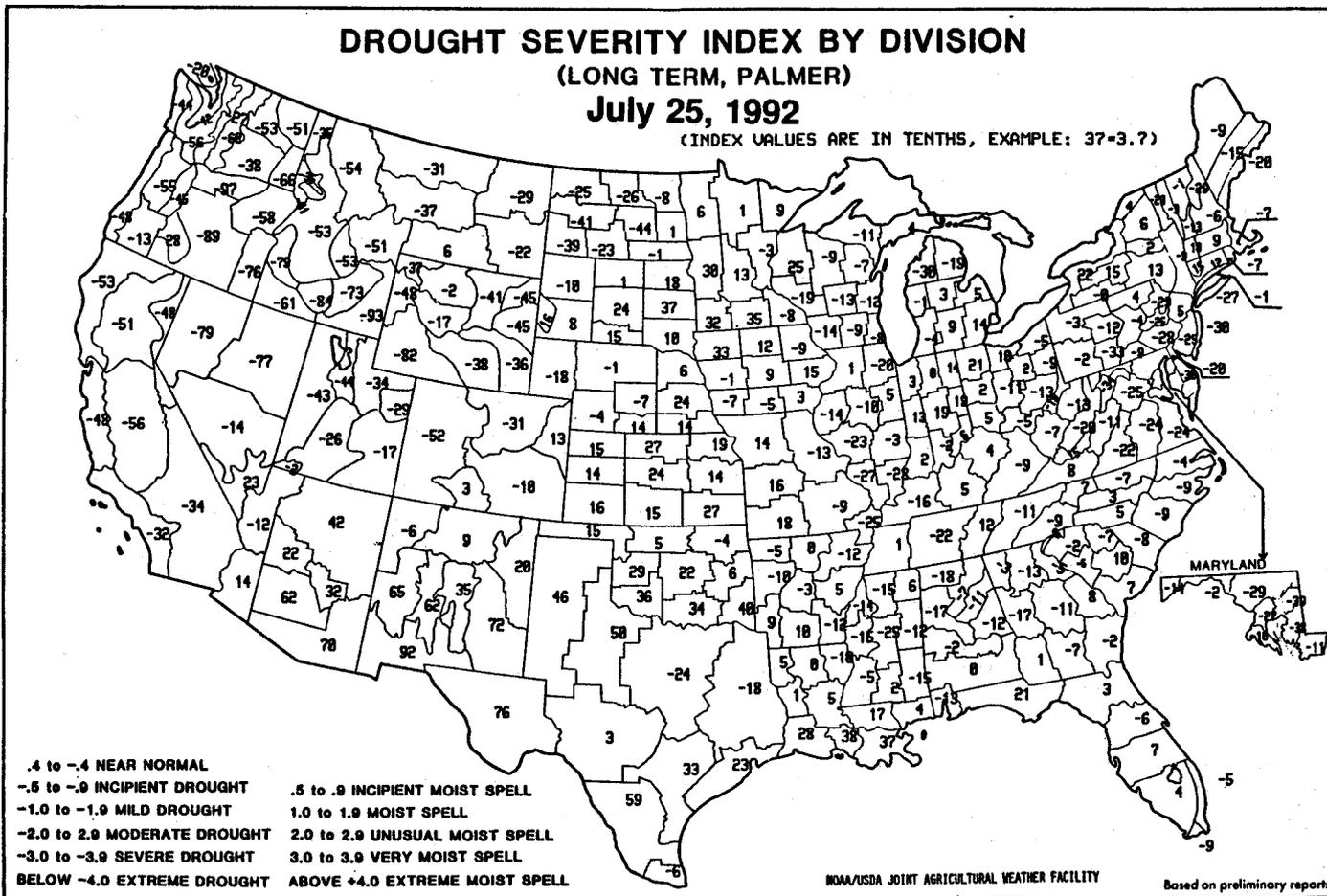
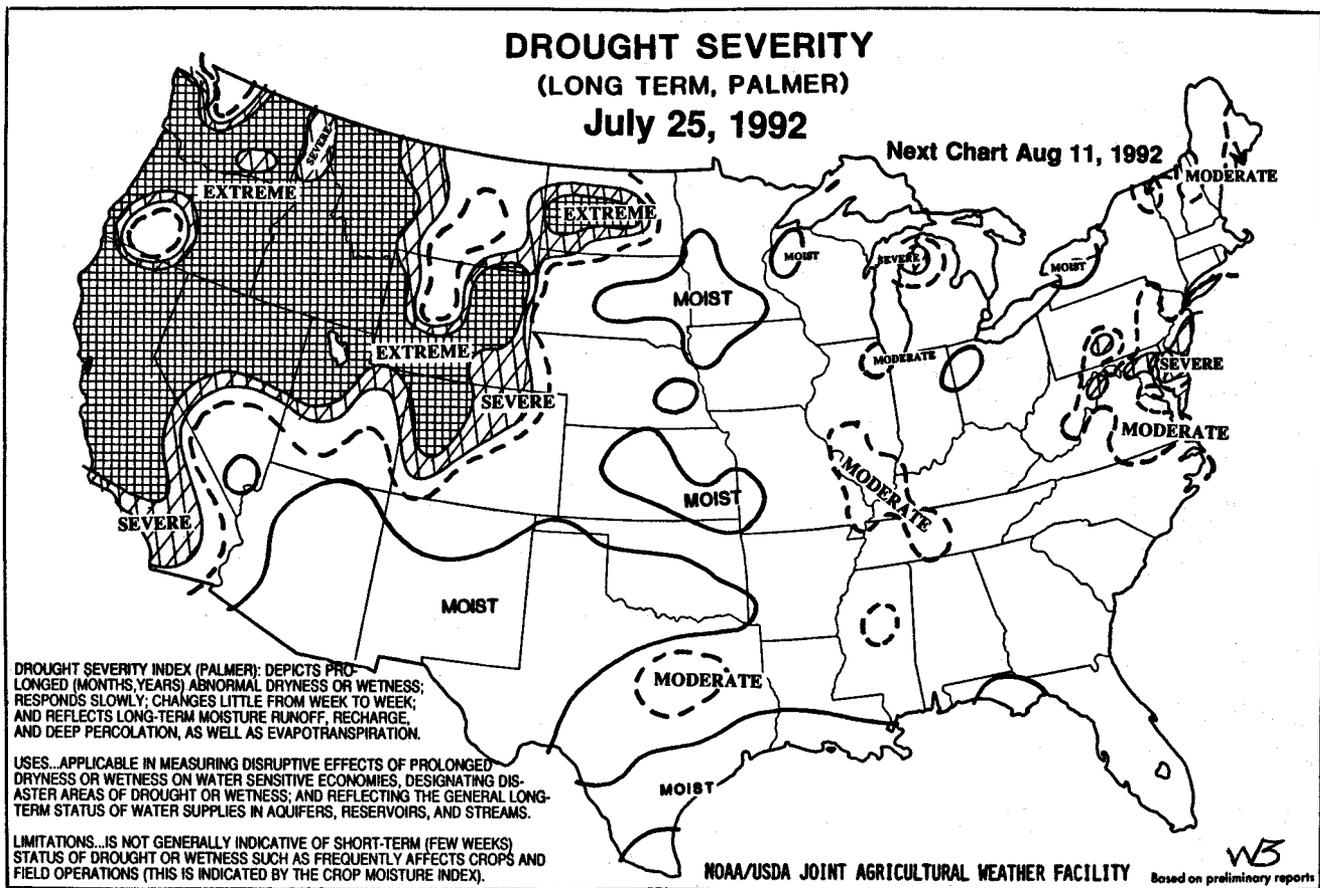
- ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
- 2 TO 3 TOO WET, SOME STANDING WATER
- 1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
- 0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
- 0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
- 1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
- 2 TO -3 DROUGHT EASED BUT STILL SERIOUS
- 3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
- BELOW -4 NOT ENOUGH RAIN STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED

- ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
- 2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
- 1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
- 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
- 0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
- 1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
- 2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
- 3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
- BELOW -4 EXTREMELY DRY, MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

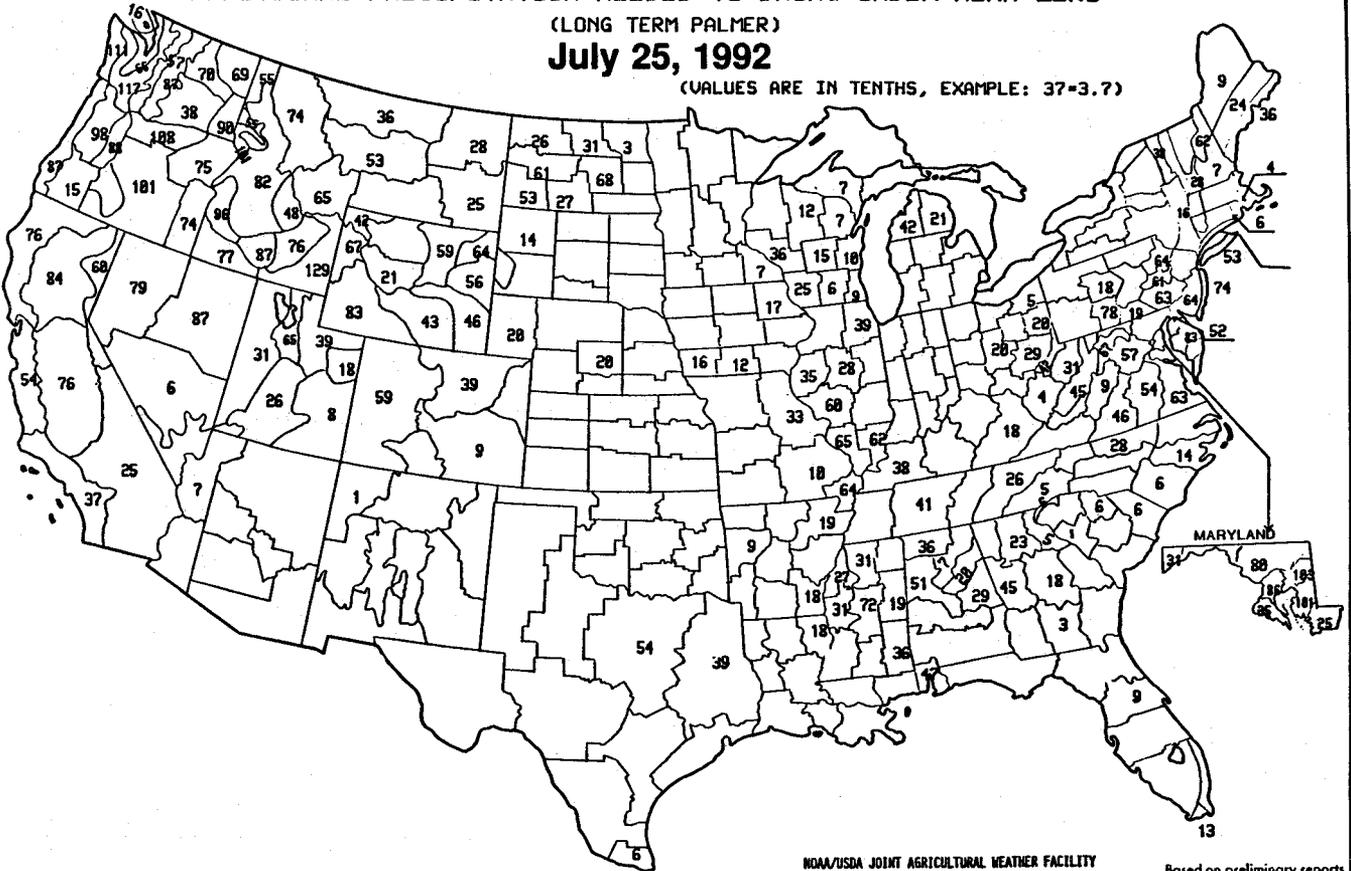


ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX NEAR ZERO

(LONG TERM PALMER)

July 25, 1992

(VALUES ARE IN TENTHS, EXAMPLE: 37=3.7)

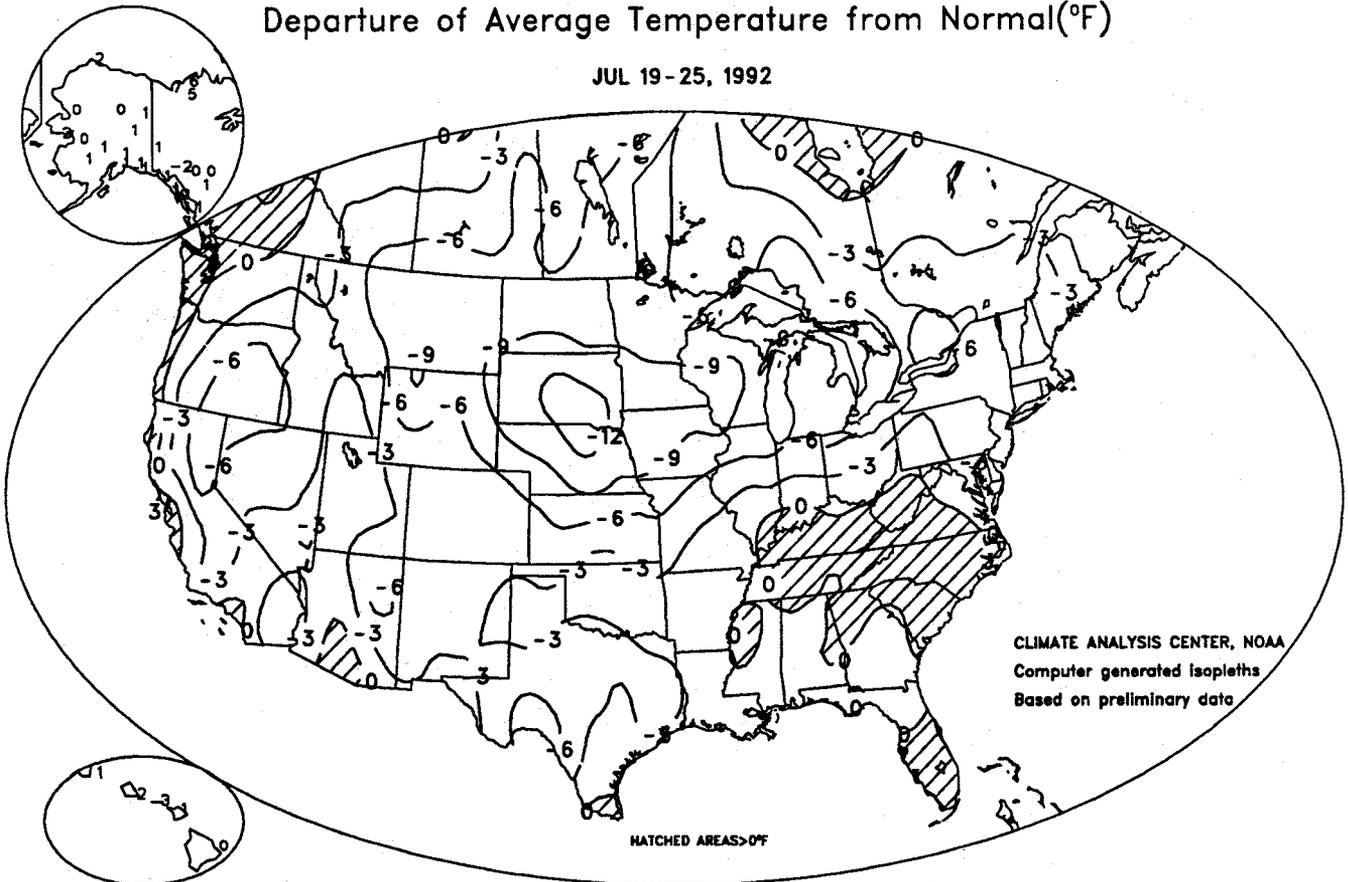


NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

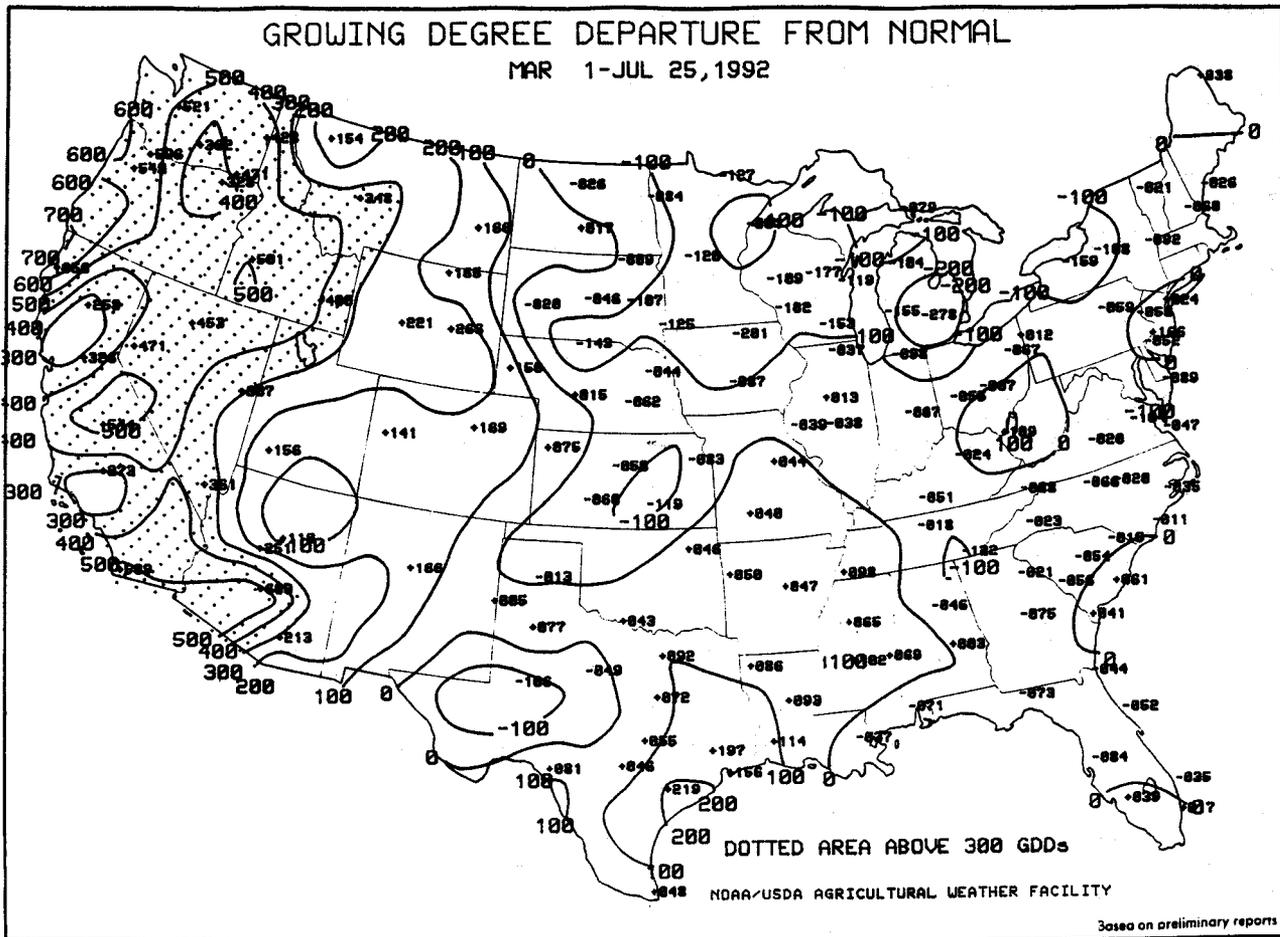
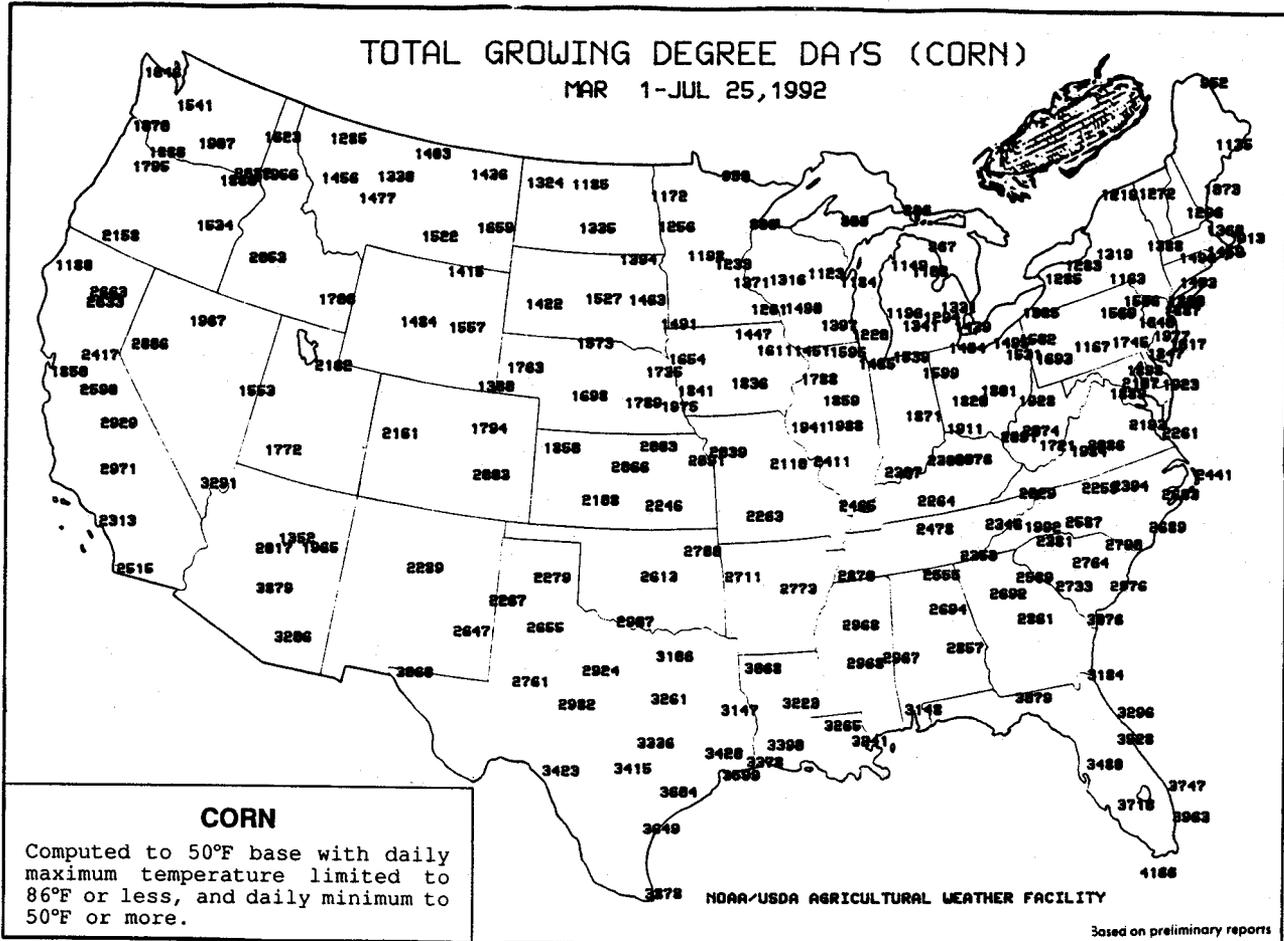
Departure of Average Temperature from Normal(°F)

JUL 19-25, 1992



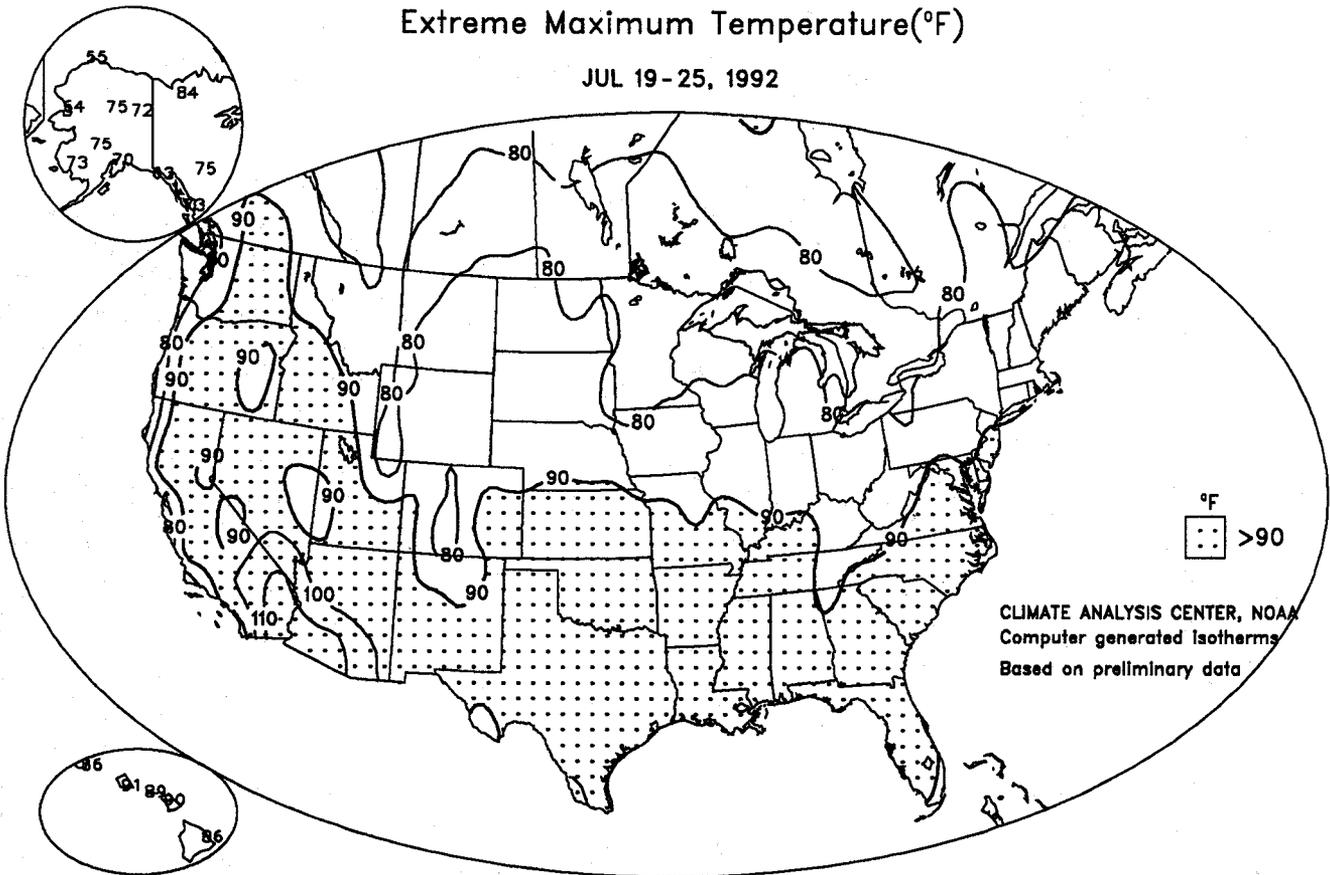
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isopleths
Based on preliminary data

HATCHED AREAS >0°F



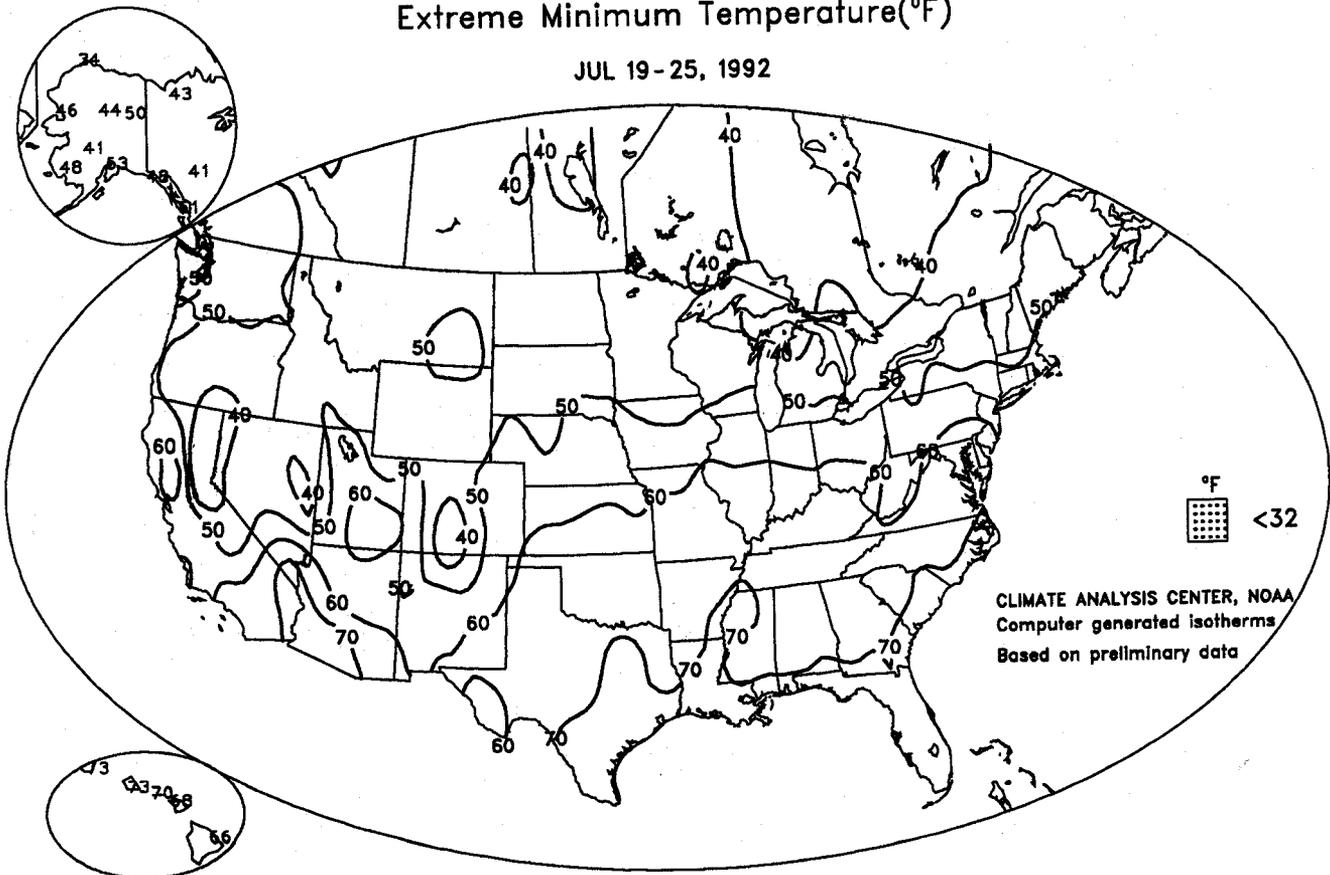
Extreme Maximum Temperature(°F)

JUL 19-25, 1992



Extreme Minimum Temperature(°F)

JUL 19-25, 1992



National Weather Data for Selected Cities

Weather Data for the Week Ending July 25, 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	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	70	91	68	79	-1	1.7	.4	1.1	11.1	138	26.0	76	100	60	3	0	4	1			
MOBILE	88	73	91	70	80	-2	2.0	.2	.9	11.9	105	38.9	102	99	65	2	0	5	1			
MONTCOMERY	91	71	92	69	81	-1	1.0	.0	.5	14.1	192	38.1	125	99	55	6	0	3	0			
AK ANCHORAGE	65	54	70	53	60	.2	.2	-.3	.1	2.0	73	5.1	83	91	61	0	0	4	0			
BARROW	48	36	55	34	42	.2	.1	-.1	.0	.3	30	.8	42	96	80	0	0	5	0			
FAIRBANKS	74	51	77	45	63	.1	.1	-.4	.0	3.9	139	7.1	143	89	40	0	0	1	0			
JUNEAU	62	51	67	49	57	.1	5.8	4.8	5.8	13.1	210	48.0	206	94	64	0	0	1	0			
KODIAK	60	51	69	47	56	.6	.6	-.2	.3	7.6	110	34.0	111	97	76	0	0	4	0			
NOME	55	41	60	34	48	-.3	.1	-.5	.7	1.0	36	3.4	57	96	71	0	0	1	0			
AZ PHOENIX	104	83	111	73	93	.1	1.8	1.6	1.7	3.0	408	9.5	298	56	28	6	0	2	0			
PRESCOTT	89	62	95	58	75	.5	.5	-.3	.5	.9	33	8.3	135	64	29	3	0	1	0			
TUCSON	99	75	107	68	88	.1	.1	-.5	.1	1.0	44	7.5	156	65	27	6	0	2	0			
YUMA	105	80	112	75	93	-.2	.0	-.1	.0	.0	0	3.2	319	--	--	7	0	0	0			
AR FORT SMITH	92	72	95	69	82	-.1	.5	-.2	.3	11.9	194	26.6	113	98	53	5	0	3	0			
LITTLE ROCK	90	73	94	71	81	-.1	1.0	.2	-.8	10.4	158	27.6	93	85	58	3	0	2	1			
CA BAKERSFIELD	94	65	99	62	79	-.6	.0	.0	.0	.1	100	5.7	148	62	20	6	0	0	0			
EUREKA	66	57	69	54	62	-.1	.1	-.1	.1	1.5	261	15.3	69	92	74	0	0	1	0			
FRESNO	95	64	100	61	79	-.2	.0	.0	.0	.2	400	9.2	132	70	20	7	0	0	0			
LOS ANGELES	77	67	81	66	72	.2	.0	.0	.0	.3	>1000	11.9	143	89	61	0	0	0	0			
REDDING	96	64	102	62	80	-.4	.0	.0	.0	1.7	175	20.2	82	66	18	7	0	0	0			
SACRAMENTO	91	58	95	57	75	-.1	.0	.0	.0	.1	108	9.9	93	87	28	6	0	0	0			
SAN DIEGO	75	66	79	65	71	.0	.0	.0	.0	.1	150	10.0	163	84	62	0	0	0	0			
SAN FRANCISCO	72	58	75	54	65	.3	.0	.0	.0	.4	355	13.3	107	88	56	0	0	0	0			
CO DENVER	84	58	89	55	71	-.3	.2	-.2	.1	4.2	136	10.7	110	90	31	0	0	5	0			
GRAND JUNCTION	89	65	95	59	77	-.3	.3	-.1	.3	.9	122	5.2	126	60	24	4	0	1	0			
PUEBLO	89	57	96	47	73	-.4	.4	.0	.2	4.3	166	6.7	107	87	26	4	0	3	0			
CT BRIDGEPORT	78	63	86	57	70	-.4	.6	-.2	.6	7.5	133	19.9	87	91	55	0	0	2	1			
HARTFORD	79	57	88	51	68	-.6	.9	-.3	.4	8.9	153	24.0	100	94	46	0	0	2	0			
DC WASHINGTON	85	71	96	68	78	.2	2.9	2.0	1.1	6.7	104	21.1	97	92	58	3	0	4	3			
FL APALACHICOLA	90	74	93	72	82	.0	2.5	.8	1.3	9.2	87	27.6	98	--	--	5	0	4	2			
DAYTONA BEACH	91	72	93	69	81	.0	.1	-1.2	.1	10.8	100	23.2	92	97	56	5	0	1	0			
JACKSONVILLE	93	73	95	70	83	.1	1.7	.2	1.7	10.2	94	34.0	121	96	49	7	0	1	1			
KEY WEST	89	78	89	76	84	-.1	.3	-.5	.1	12.8	162	20.1	113	83	64	0	0	1	0			
MIAMI	90	77	91	73	83	.1	.6	-.7	.3	16.2	116	25.1	84	88	57	5	0	4	0			
ORLANDO	92	74	94	72	83	.0	.2	-1.6	.1	10.9	80	28.6	101	99	53	7	0	4	0			
TALLAHASSEE	92	72	93	71	82	.0	1.8	-.2	1.2	18.1	132	40.5	106	99	55	6	0	4	1			
TAMPA	92	73	94	72	83	.0	1.3	-.5	1.1	9.8	88	18.2	72	97	51	7	0	3	1			
WEST PALM BEACH	90	76	91	73	83	.0	.7	-.6	.5	16.9	132	29.7	95	86	57	6	0	3	1			
GA ATLANTA	88	71	91	68	80	.1	2.4	1.3	1.9	12.3	169	26.4	85	99	55	4	0	3	1			
AUGUSTA	91	70	94	68	81	.0	2.6	1.6	1.2	11.8	160	28.5	104	100	58	7	0	3	2			
MACON	91	72	93	69	81	.0	4.0	3.0	3.2	14.2	193	31.4	109	98	54	5	0	2	2			
SAVANNAH	92	74	94	71	83	.2	.1	-1.6	.0	15.1	129	32.0	107	96	53	6	0	3	2			
HI HILO	84	69	86	66	77	.1	5.2	3.1	2.6	21.8	168	37.9	53	96	65	0	0	6	2			
HONOLULU	89	76	92	73	82	.2	.2	-.1	.2	1.8	206	5.5	41	77	48	3	0	1	0			
KAHULUI	87	73	90	68	80	.4	.4	-.3	.2	.8	148	7.0	60	90	57	1	0	3	0			
LIHUE	85	75	86	73	80	.1	.1	-.2	.3	2.3	72	13.9	58	88	64	0	0	1	0			
ID BOISE	86	55	95	47	70	-.6	.7	.0	.7	2.1	194	4.2	59	76	22	1	0	0	0			
LEWISTON	81	61	91	55	71	-.4	.7	.6	.4	1.5	82	5.6	72	71	32	1	0	2	0			
POCATELLO	86	53	91	43	70	-.3	.1	-.1	.1	2.1	148	4.3	66	97	18	3	0	1	0			
IL CHICAGO	73	59	85	56	66	-.7	.3	-.4	.1	4.3	62	11.7	60	91	69	0	0	3	0			
MOLINE	77	60	85	54	69	-.6	2.1	1.0	1.8	12.1	146	19.4	88	98	67	0	0	4	1			
PEORIA	79	63	85	59	71	-.4	1.7	.8	.6	6.9	97	14.5	70	98	68	0	0	5	2			
QUINCY	80	65	89	62	73	-.4	1.1	.1	.6	6.8	90	17.1	78	99	69	0	0	4	1			
ROCKFORD	73	60	85	55	66	-.7	.7	-.3	.5	5.1	62	13.6	63	91	63	0	0	2	1			
SPRINGFIELD	83	65	89	61	74	-.3	2.3	1.5	1.5	7.0	111	15.4	76	99	68	0	0	4	2			
IN EVANSVILLE	89	71	91	67	80	.1	.3	-.6	.2	8.7	129	20.2	78	94	58	5	0	2	0			
FORT WAYNE	79	60	84	56	70	-.4	.4	-.4	.3	8.0	125	20.9	102	96	60	0	0	4	0			
INDIANAPOLIS	81	65	84	61	73	-.2	1.3	-.3	.8	14.3	191	25.2	107	97	67	0	0	4	1			
SOUTH BEND	77	59	83	52	68	-.5	.9	.0	.4	5.6	82	15.3	72	97	60	0	0	4	0			
IA DES MOINES	76	61	85	55	69	-.8	2.0	1.3	1.3	7.2	108	17.9	98	94	66	0	0	5	2			
SIoux CITY	75	58	83	52	67	-1.0	2.1	1.4	.9	6.3	94	15.9	100	99	64	0	0	4	2			
WATERLOO	73	56	84	47	65	-.9	.9	-.1	.7	7.0	86	17.1	86	97	68	0	0	3	1			
KS CONCORDIA	83	62	93	58	73	-.7	2.9	2.2	1.6	16.7	240	26.4	159	98	60	3	0	4	3			
DODGE CITY	86	65	96	60	76	-.5	1.4	-.7	.8	9.3	170	14.8	113	96	53	2	0	3	2			
GOODLAND	83	60	92	56	72	-.5	.3	-.2	.2	10.7	231	14.7	140	98	48	2	0	5	0			
TOPEKA	84	66	93	58	75	-.4	1.9	1.0	1.3	8.7	104	21.1	106	95	61	2	0	4	1			
WICHITA	89	69	96	65	79	-.3	.2	-.6	.1	11.5	166	21.1	125	94	52	3	0	2	0			
KY BOWLING GREEN	90	68	95	65	79	.0	.5	-.5	.3	6.2	76	23.3	76	99	57	3	0	2	0			
LEXINGTON	86	68	88	65	77	.1	2.0	-.9	1.4	13.6	164	30.6	108	97	58	0	0	4	1			
LOUISVILLE	89	70	92	65	80	.1	.3	-.6	.2	6.2	89	21.9	82	92	54	3	0	4	0			
LA ALEXANDRIA	89	75	91	72	82	-.1	.7	-.4	.6	6.2	82	31.7	98	90	57	4	0	2	1			
BATON ROUGE	92	72	96	71	82	.0	4.7	3.0	1.8	20.4	229	46.6	139	100	59	6	0	6	3			
LAKE CHARLES	89	74	93	72	82	-.1	2.6	1.3	1.3	12.7	153	41.6	143	100	67	3	0	5	2			
NEW ORLEANS	90	73	93	71	81	-.1	2.3	.8	2.1	15.2	151	44.2	128	99	63	4	0	4	1			

Based on 1951-80 normals.

Weather Data for the Week Ending July 25, 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	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
SHREVEPORT	91	71	94	68	81	-2	1.3	.6	.8	5.6	88	28.7	106	99	55	5	0	3	1	0	0	
ME CARIBOU	76	50	82	41	63	-2	.1	.9	.1	7.4	115	20.2	107	86	41	0	0	2	3	1	0	
PORTLAND	76	56	80	51	66	-3	.7	.0	.6	7.4	140	23.2	97	95	52	0	0	3	1	0	0	
MD BALTIMORE	84	67	94	65	76	-2	2.3	1.4	1.1	6.5	95	19.5	84	99	67	3	0	4	2	0	0	
SALISBURY	83	67	94	64	75	-2	1.4	.4	.5	6.9	98	21.2	86	100	67	1	0	4	0	0	0	
MA BOSTON	77	61	87	54	69	-5	.4	.3	.4	6.8	136	19.5	81	90	49	0	0	1	0	0	0	
CRATHAM	72	60	79	54	66	-3	.6	.1	.4	7.1	141	18.3	72	95	75	0	0	3	0	0	0	
MI ALPENA	73	46	81	42	59	-8	.2	.5	.2	5.0	89	13.6	85	97	49	0	0	1	0	0	0	
DETROIT	74	58	79	52	66	-7	.7	.3	.3	7.2	122	19.5	109	90	59	0	0	3	0	0	0	
FLINT	74	54	80	50	64	-7	.7	.1	.4	9.1	168	19.8	121	95	55	0	0	5	0	0	0	
GRAND RAPIDS	73	53	82	47	63	-9	.5	.1	.5	9.1	150	20.6	110	97	62	0	0	3	0	0	0	
HOUGHTON LAKE	73	49	80	40	61	-7	.5	.2	.2	4.7	86	12.8	83	92	54	0	0	4	0	0	0	
LANSING	72	51	80	47	62	-9	.4	.2	.2	7.1	119	19.2	115	97	62	0	0	3	0	0	0	
MARQUETTE	72	45	80	37	58	-7	.4	.3	.2	5.2	80	15.6	74	94	55	0	0	4	0	0	0	
MUSKOGON	73	55	80	52	64	-7	.1	.5	.1	3.7	85	12.4	74	93	59	0	0	3	0	0	0	
SAUL ST. MARIE	72	45	78	36	58	-6	.3	.4	.3	4.8	85	14.2	85	94	52	0	0	1	0	0	0	
MN ALEXANDRIA	71	54	79	50	63	-8	.1	.4	.3	6.7	103	14.0	97	93	52	0	0	1	0	0	0	
DULUTH	72	49	75	42	61	-5	.1	.8	.1	8.5	120	16.3	100	91	48	0	0	0	0	0	0	
INT'L FALLS	73	48	78	41	61	-6	1.0	.2	.7	5.7	84	12.2	90	98	52	0	0	2	1	0	0	
MINNEAPOLIS	71	56	76	50	64	-6	.5	.3	.4	8.9	130	14.9	96	93	59	0	0	2	2	1	0	
ROCHESTER	69	52	80	44	60	-11	.9	.0	.8	5.1	74	14.0	87	98	69	0	0	2	1	0	0	
MS GREENWOOD	93	73	96	71	83	-2	.7	-1.0	T	9.2	129	23.9	71	97	53	7	0	0	0	0	0	
JACKSON	93	70	94	68	82	-1	1.6	.5	T	8.6	125	21.5	67	100	51	7	0	1	1	0	0	
MEMPHIS	90	72	93	68	81	-1	2.4	1.2	1.5	12.2	154	34.6	102	94	54	5	0	2	2	0	0	
MO CAPT GIRARDEAU	89	70	94	64	80	-3	.5	.4	.4	6.4	99	19.8	74	95	55	4	0	3	0	0	0	
COLUMBIA	85	66	89	60	76	-3	.3	.4	.1	6.4	103	16.1	74	99	62	2	0	5	0	0	0	
KANSAS CITY	83	64	91	59	74	-7	3.9	3.0	1.5	16.3	204	29.3	140	100	69	2	0	6	2	1	0	
SAINT LOUIS	87	71	91	66	79	-6	1.1	.3	.7	5.5	82	15.8	75	92	55	3	0	3	1	0	0	
SPRINGFIELD	85	67	90	64	76	-3	.5	.3	.2	12.3	163	22.1	95	96	61	2	0	3	0	0	0	
MT BILLINGS	76	56	85	53	66	-8	.2	.1	.1	4.4	163	9.3	95	90	45	0	0	3	0	0	0	
GLASGOW	77	51	83	46	64	-7	.7	.3	T	4.3	110	6.0	84	90	37	0	0	1	0	0	0	
GRAY FALLS	72	51	81	45	61	-9	.5	.3	.5	5.1	141	9.7	94	94	47	0	0	3	0	0	0	
HAVRE	74	52	80	48	63	-8	.4	.1	.4	3.2	99	4.4	57	95	46	0	0	1	0	0	0	
HELENA	74	52	84	46	63	-6	.2	.0	.1	3.4	120	5.6	75	85	42	0	0	2	0	0	0	
KALISPELL	75	51	84	44	63	-3	.5	.3	.4	6.0	207	11.1	120	86	41	0	0	5	0	0	0	
MILES CITY	77	57	87	56	67	-8	.5	.2	.4	5.2	131	9.4	99	88	40	0	0	2	0	0	0	
MISSOULA	77	53	86	42	65	-3	.5	.3	.2	3.9	155	8.0	98	83	36	0	0	3	0	0	0	
NE GRAND ISLAND	77	58	86	53	68	-10	1.8	1.2	1.1	9.3	160	19.4	129	94	63	0	0	6	1	0	0	
LINCOLN	80	60	88	55	70	-8	.7	.0	.3	7.0	109	15.0	89	94	63	0	0	4	0	0	0	
NORFOLK	75	57	84	51	66	-10	1.2	.6	.5	7.2	104	14.6	92	96	61	0	0	5	1	0	0	
NORTH PLATTE	76	57	88	50	67	-8	1.1	.5	.8	6.1	99	14.7	110	98	58	0	0	5	1	0	0	
OMAHA	74	60	82	56	67	-11	2.2	1.4	.7	10.0	143	21.3	119	93	72	0	0	4	3	0	0	
SCOTTSBLUFF	78	56	89	50	67	-8	.4	.1	.4	5.6	124	10.9	103	93	50	0	0	3	0	0	0	
VALENTINE	73	55	89	49	64	-11	1.0	.5	.8	7.2	147	11.0	97	94	58	0	0	3	1	0	0	
NV ELY	86	48	90	39	67	-1	.0	-1.1	.0	2.2	171	5.4	97	43	11	1	0	0	0	0	0	
LAS VEGAS	102	77	108	75	90	-1	.0	-1.1	.0	.1	29	6.7	317	26	10	7	0	0	0	0	0	
RENO	87	50	93	45	68	-2	.0	-1.1	.0	1.3	244	2.7	59	54	12	1	0	0	0	0	0	
WINNEMUCCA	88	52	92	45	70	-3	.0	.0	.0	.5	50	1.9	40	48	12	2	0	0	0	0	0	
NH CONCORD	79	53	87	46	66	-4	.2	-.5	.2	5.9	111	16.1	82	98	46	0	0	1	0	0	0	
NJ ATLANTIC CITY	81	64	94	58	73	-2	.7	-.2	.7	6.1	102	16.0	69	97	62	1	0	2	1	0	0	
NM ALBUQUERQUE	89	62	94	59	76	-4	.4	-.1	.3	2.1	139	5.6	153	78	27	5	0	4	0	0	0	
CLOVIS	89	63	93	59	76	-2	.7	-.6	T	3.9	78	13.2	141	86	35	2	0	1	0	0	0	
ROSWELL	92	66	96	63	79	-1	.2	-.3	.1	3.1	132	10.2	219	87	30	7	0	2	0	0	0	
NY ALBANY	77	56	86	49	67	-5	.6	-.1	.6	5.1	90	16.3	83	98	52	0	0	1	1	0	0	
BINGHAMTON	72	57	82	51	64	-5	.4	-.4	.3	5.7	90	22.5	110	98	60	0	0	2	0	0	0	
BUFFALO	74	57	81	49	66	-6	.6	-.2	.3	9.2	182	24.7	128	92	58	0	0	4	0	0	0	
NEW YORK	80	66	88	59	73	-4	.5	-.4	.4	6.6	110	17.9	76	83	48	0	0	2	0	0	0	
ROCHESTER	74	57	86	48	66	-6	.5	-.1	.5	6.8	142	19.9	116	96	59	0	0	3	0	0	0	
SYRACUSE	74	58	86	51	66	-5	.8	.0	.8	8.2	124	25.9	121	96	60	0	0	3	1	0	0	
NC ASHEVILLE	85	65	90	59	75	-1	.8	-.1	.4	7.7	115	28.1	110	97	49	1	0	3	0	0	0	
CHARLOTTE	91	72	95	69	81	-2	1.7	.9	1.6	8.6	128	27.2	105	92	47	5	0	4	1	0	0	
GREENSBORO	89	69	93	67	79	-1	3.1	2.2	2.5	7.5	102	25.0	101	97	51	4	0	5	2	0	0	
HATTERAS	84	74	87	72	79	0	4.0	2.7	1.5	6.1	71	27.3	95	98	70	0	0	6	3	0	0	
NEW BERN	89	73	92	72	81	-2	2.3	.8	1.0	8.0	75	25.2	85	99	61	4	0	5	2	0	0	
RALEIGH	90	70	93	67	80	-2	.7	-.3	.6	8.1	113	21.6	88	98	53	5	0	3	1	0	0	
WILMINGTON	88	74	94	72	81	0	.9	-.8	.4	9.8	83	35.3	117	97	63	1	0	6	0	0	0	
ND BISMARCK	76	50	83	41	63	-9	.1	-.3	-.1	5.6	121	8.3	82	94	44	0	0	2	0	0	0	
FARGO	75	53	83	47	64	-8	.2	-.6	-.1	7.4	128	13.1	112	95	51	0	0	3	0	0	0	
GRAND FORKS	74	50	82	44	62	-7	.3	-.4	.2	5.1	98	11.2	105	96	50	0	0	2	0	0	0	
WILLISTON	79	50	89	43	65	-6	.7	-.4	T	2.8	67	7.6	87	90	33	0	0	0	0	0	0	
OH AKRON-CANTON	78	61	83	53	69	-3	1.9	1.0	1.4	10.1	155	24.6	115	98	62	0	0	4	1	0	0	
CINCINNATI	81	65	86	59	73	-3	.2	-.7	.1	9.1	120	22.8	92	99	68	0	0	4	0	0	0	
CLEVELAND	77	61	83	51	69	-4	.9	-.2	.7	9.0	146	24.8	121	96	62	0	0	3	1	0	0	
COLUMBUS	81	64	86	60	73	-2	.7	-.2	.3	13.3	184	25.6	113	99	62	0	0	5	0	0	0	

Based on 1951-80 normals.

Weather Data for the Week Ending July 25, 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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
DAYTON	82	64	87	62	73	-2	.8	.1	.3	8.1	124	23.7	111	97	59	0	0	4	0			
TOLEDO	76	58	82	54	67	-5	1.7	.9	.8	6.9	114	20.0	108	98	62	0	0	3	2			
YOUNGSTOWN	77	59	84	48	68	-3	.6	.4	.5	5.8	86	19.3	89	100	60	0	0	3	0			
OK OKLAHOMA CITY	91	72	94	70	82	-1	1.1	.6	.9	9.3	149	21.3	112	92	50	0	0	2	0			
TULSA	91	73	95	68	82	-1	1.1	.7	.1	10.5	143	24.1	105	90	51	5	0	2	0			
OR ASTORIA	67	55	72	48	61	0	0	0	0	0	24	25.0	68	95	67	0	0	0	0			
BURNS	78	47	89	43	63	-8	2.2	.2	.2	3.3	438	5.7	100	84	27	0	0	3	0			
MEDFORD	88	57	100	47	73	-1	1.1	0	0	3.2	382	7.5	72	84	34	3	0	2	0			
PENDLETON	80	61	96	54	70	-4	0	0	0	1.7	188	4.6	68	72	35	1	0	2	0			
PORTLAND	77	59	89	56	68	-2	0	0	0	0	0	0	0	0	0	0	0	0	0			
SALEM	79	56	91	51	68	-2	0	0	0	0	47	15.1	76	89	48	0	0	1	0			
PA ALLENTOWN	78	63	87	60	70	-4	0	0	0	1.6	112	16.1	74	82	39	2	0	0	0			
ERIE	74	61	82	55	68	-3	0	0	0	8.1	121	20.4	83	92	56	0	0	2	1			
HARRISBURG	77	65	88	61	71	-5	1.9	.7	.1	6.5	98	19.0	91	92	63	0	0	2	0			
PHILADELPHIA	82	68	91	63	75	-2	1.3	.5	1.3	4.7	68	14.1	60	90	54	1	0	2	1			
PITTSBURGH	78	63	83	60	71	-2	2.0	1.1	1.5	6.9	106	19.0	85	97	63	0	0	4	1			
SCRANTON	76	61	86	55	69	-4	0	0	0	4.5	72	15.6	81	96	59	0	0	5	0			
RI PROVIDENCE	80	61	98	54	71	-3	0	0	0	8.0	155	22.6	92	95	48	0	0	1	1			
SC CHARLESTON	81	75	93	72	83	2	1.3	.6	.9	10.1	81	28.7	94	97	57	5	0	4	1			
COLUMBIA	93	71	96	68	82	1	1.7	.5	1.1	8.5	97	24.3	81	96	49	6	0	3	1			
FLORENCE	91	73	94	70	82	1	2.7	1.4	1.0	6.9	74	19.3	72	96	53	5	0	4	3			
GREENVILLE	90	69	93	65	79	0	1.1	.1	.5	7.3	91	31.1	100	98	48	4	0	4	0			
SD ABERDEEN	72	52	84	44	62	-10	2.2	.3	.1	8.1	157	11.0	93	97	56	0	0	2	0			
BURON	72	55	83	48	63	-11	1.1	.7	.6	9.5	186	14.7	120	96	59	0	0	3	2			
RAPID CITY	70	54	86	50	63	-11	1.1	.7	1.0	5.4	109	11.0	94	95	59	0	0	5	2			
STOK FALLS	70	56	78	52	63	-11	1.9	1.3	.7	10.5	180	19.2	133	95	66	0	0	5	2			
TN CHATTANOOGA	88	68	91	65	78	-1	3.1	2.1	2.6	13.4	190	31.3	98	100	55	3	0	4	1			
KNOXVILLE	88	69	90	64	78	0	0	0	0	7.3	98	23.8	81	100	58	2	0	4	1			
MEMPHIS	81	74	94	72	83	0	2.1	1.2	2.1	12.2	180	28.4	89	94	56	6	0	1	1			
NASHVILLE	90	70	93	67	80	1	1.1	.8	1.1	10.0	148	23.9	80	94	53	5	0	2	0			
TX ABILENE	89	70	94	68	80	-5	0	0	0	6.5	155	18.3	142	91	44	4	0	1	0			
AMARILLO	89	65	95	60	77	-2	0	0	0	9.7	174	16.4	143	90	37	3	0	1	0			
AUSTIN	91	73	93	71	82	-3	0	0	0	5.9	131	33.7	191	98	54	5	0	4	0			
BRAUNOFT	88	74	92	71	81	-2	4.2	2.8	1.9	16.0	167	44.5	147	100	69	3	0	6	4			
BROWNSVILLE	93	75	95	72	84	0	0	0	0	1.9	50	17.2	159	96	52	7	0	2	0			
CORPUS CHRISTI	92	74	93	73	83	-1	0	0	0	2.4	43	27.3	182	96	56	6	0	1	1			
DEL RIO	88	72	93	67	80	-6	1.5	1.1	.8	3.3	108	17.0	189	77	46	3	0	3	2			
EL PASO	96	69	100	65	83	0	0	0	0	0	45	7.2	212	74	26	7	0	3	0			
FORT WORTH	94	74	98	70	84	-2	0	0	0	5.3	130	23.6	128	91	44	6	0	0	0			
GALVESTON	88	78	92	73	83	-1	2.6	1.8	1.8	5.6	85	34.6	172	90	65	4	0	5	1			
HOUSTON	87	73	92	71	80	-4	2.7	1.9	1.1	7.2	98	38.0	150	100	68	2	0	6	2			
LUBBOCK	92	67	96	64	80	0	0	0	0	5.6	120	16.8	165	92	40	6	0	0	0			
MIDLAND	87	66	93	64	76	-5	0	0	0	129	17.0	239	100	48	2	0	2	1				
SAN ANGELO	92	71	96	68	81	-3	0	0	0	6.0	215	15.2	163	88	40	4	0	1	0			
SAN ANTONIO	91	74	94	71	83	-2	1.2	.8	.8	6.9	153	36.2	231	93	48	5	0	4	1			
VICTORIA	92	75	95	73	84	-1	1.7	1.2	.7	3.5	53	38.8	202	96	55	6	0	4	2			
WACO	96	74	99	72	85	-1	0	0	0	3.3	84	25.3	139	94	45	7	0	3	0			
WICHITA FALLS	94	71	97	67	83	-3	0	0	0	9.6	218	18.3	118	92	44	7	0	1	0			
UT CEDAR CITY	88	60	93	55	74	-1	1	0	0	0	43	5.4	96	51	16	3	0	0	0			
SALT LAKE CITY	91	64	95	58	77	-1	0	0	0	0	47	6.7	70	53	15	4	0	0	0			
VT BURLINGTON	75	53	85	45	64	-6	0	0	0	5.2	81	15.5	87	100	52	0	0	3	0			
VA NORFOLK	87	72	95	69	80	1	2.9	1.7	2.0	5.8	76	19.7	79	96	61	2	0	4	2			
RICHMOND	88	69	94	64	78	0	0	0	0	6.9	90	24.5	102	100	63	3	0	3	1			
ROANOKE	87	65	93	60	76	0	0	0	0	8.1	134	27.9	124	95	46	2	0	5	0			
WA QUILLAYUTE	65	55	71	53	60	1	0	0	0	2.2	44	50.9	90	98	72	0	0	4	0			
SEATTLE-TACOMA	72	57	82	55	65	-1	0	0	0	2.1	107	18.9	96	94	57	0	0	3	0			
SPOKANE	77	56	89	47	67	-4	0	0	0	2.7	174	8.0	85	88	40	0	0	5	0			
YAKIMA	82	58	89	51	70	-1	0	0	0	1.4	215	3.5	80	84	39	0	0	2	0			
WV BECKLEY	82	63	85	57	73	3	0	0	0	6.2	79	22.3	87	93	51	0	0	2	1			
CHARLESTON	85	66	90	61	76	1	2.1	.9	.8	7.7	101	24.8	97	98	58	1	0	4	2			
HUNTINGTON	85	67	89	62	76	0	0	0	0	6.4	88	22.0	89	98	57	0	0	4	0			
PARKERSBURG	83	66	88	61	74	-1	1.7	.8	1.5	9.2	129	22.2	96	98	62	0	0	3	1			
WI GREEN BAY	74	52	81	44	63	-7	0	0	0	3.2	101	14.1	90	98	55	0	0	3	0			
LACROSSE	73	55	85	48	64	-6	0	0	0	5.8	81	15.9	90	95	52	0	0	1	1			
MADISON	73	56	84	51	65	-5	0	0	0	6.9	100	15.2	86	90	54	0	0	4	0			
MILWAUKEE	70	59	83	57	64	-7	0	0	0	8.4	130	16.7	92	91	52	0	0	3	0			
WAUSAU	71	50	77	40	60	-9	0	0	0	3.5	49	14.3	81	87	57	0	0	3	0			
WY CASPER	81	54	89	45	68	-4	0	0	0	2.3	114	6.2	81	87	28	0	0	4	0			
CHEYENNE	76	52	84	47	64	-4	0	0	0	3.4	97	7.8	87	93	39	0	0	6	0			
LANDER	78	54	87	48	66	-6	0	0	0	3.6	181	9.7	106	86	35	0	0	4	0			
SHERIDAN	74	55	84	49	65	-6	0	0	0	6.1	204	10.7	106	93	50	0	0	4	0			

Based on 1951-80 normals.

National Agricultural Summary

July 20 - 26, 1992

HIGHLIGHTS: Widespread rainfall from the Rocky Mountains eastward limited fieldwork. Below-normal temperatures in the Central States slowed crop development, while the additional rainfall boosted crop prospects. Some flooding was reported in Ohio where soils had been previously saturated.

SMALL GRAINS: Winter wheat harvest reached 78 percent (%) complete in the 19 major producing States, 7 percentage points behind last year and 8 points behind the 5-year average. Harvest commenced in the northernmost States, and continued between rains from the central Rocky Mountains to the western Ohio Valley. Below-normal temperatures in the northern Rocky Mountains and Great Plains continued to delay ripening of spring wheat. Spring wheat harvest was underway in Idaho and South Dakota but had yet to begin in Minnesota, Montana, and North Dakota. Harvest was 1% complete in the five major States, compared with 6% last year and 12% average. Crop condition remained mostly good, with additional rains benefiting later seeded acreage. Harvests of barley, oats, and rye were slowed by rains.

CORN: Below-normal temperatures persisted in the Corn Belt, keeping corn progress well behind normal. Silking was evident on 56% of the acreage in the 17 major producing States, 25 points behind last year and 15 points behind the average. Eight percent of the crop was in the dough stage, compared with 26% last year and 18% average. Crop development was most delayed in the northern Corn Belt. Harvest was underway, as weather permitted in the extreme South. Additional rains further improved crop condition.

SOYBEANS: Soybean progress was also delayed, with 63% of the crop acreage blooming in the 19 major States, 6 points behind last year and 3 points behind the average. Pods were setting on 16% of the acreage, 15 points behind last year and 9 points behind the average. Planting was completed in Arkansas. Rains across the soybean-producing region were beneficial to crop condition, with most acreage rating good. Excessive moisture and limited sunshine caused yellowing of soybeans in northern Missouri.

COTTON: Cotton progress continued to lag in the southern Plains and Southeast, holding squaring progress to 80% complete in the 14 major producing States, compared with 90% last year and 92% average. Bolls were setting on 51% of the acreage, 8 points behind last year and 6 points behind the average. Crop condition continued to rate mostly fair to good. Some fields were defoliated to prepare for harvest in the Rio Grande Valley.

GRAIN SORGHUM: Grain sorghum progress remained ahead of schedule in the Delta, but was behind in the Great Plains and middle Mississippi Valley. Heading was 31% complete in the 12 major producing States, 13 points behind last year and 8 points behind the 5-year average. Nineteen

percent of the grain sorghum was coloring, compared with 22% last year and 19% average. Harvest was slowed by rainfall in south Texas. Crop condition remained predominately good.

RICE: Rice heading reached 45% complete in the five major States, 10 points ahead of last year and 13 points ahead of the average. Heading progress remained behind normal in Texas but was ahead of normal in the Delta. Harvest began but was slowed by rain in southern Louisiana. Crop condition remained mostly good. Sheath blight continued a problem in central and east-central Arkansas.

OTHER FIELD CROPS: Rainfall from the Rocky Mountains eastward, interrupted haying, with second cutting well advanced and third cutting underway in the Central States. Safflower harvest began in Arizona and California. Dry pea and lentil harvests gained momentum in Idaho and Washington. Mint cutting continued in the Pacific Northwest, as did potato digging. Potatoes were damaged by hail in Malheur County, Oregon. Dry beans were flowering in Colorado. Tobacco harvest was active in the East. Sweetpotato harvest increased in Louisiana. Sunflower bloom was just beginning in North Dakota. Corn cutting for silage continued in the Southwest and Delta.

FRUIT AND NUTS: New crop lemon harvest began in Arizona, while Valencia orange and grapefruit picking continued. Stonefruit picking continued in California, and table grape picking progressed in the San Joaquin Valley. Apple picking began in Georgia, while peach harvest continued. Peach and apple harvests were also active in New Jersey. Apples in New York's Lake Ontario region showed excellent crop prospects, with hand-thinning ongoing. A large portion of New York's sweet cherry crop was lost to cracking caused by recent rains. Utah's tart cherry harvest was well along.

VEGETABLES: Summer vegetable harvests were in full swing in the West and active between rains in the East and Gulf. Fall crop tomato transplanting was underway in northern Florida. New Mexico's chile harvest was starting. California's processing tomato harvest increased in the Sacramento Valley. Onions were being dug in the Pacific Northwest.

PASTURES AND LIVESTOCK: Pasture and range conditions continued to benefit from rainfall across the eastern two-thirds of the Nation. Livestock were responding well to cooler weather in the Midwest. Water for livestock continued to be short in Oregon, forcing some producers to haul water or drill new wells.

Crop Progress

for the Week Ending July 26, 1992

COTTON (Percent Squaring)

	Current	Last Wk	1991	Avg.
AL	98	95	98	99
AZ	100	99	100	99
AR	100	100	100	100
CA	100	100	100	100
GA	100	96	98	99
LA	100	99	97	96
MS	100	98	93	96
MO	99	94	100	100
NM	88	81	95	98
NC	85	72	97	91
OK	62	52	75	75
SC	97	93	99	94
TN	99	95	88	95
TX	60	52	83	87
14 States	80	74	90	92

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

COTTON (Percent Setting Bolls)

	Current	Last Wk	1991	Avg.
AL	73	50	74	79
AZ	95	86	88	91
AR	79	55	79	81
CA	75	45	65	65
GA	77	43	83	91
LA	96	85	79	77
MS	88	69	70	79
MO	58	30	74	84
NM	50	34	59	51
NC	42	33	75	70
OK	10	2	22	28
SC	46	22	84	68
TN	47	32	45	62
TX	27	20	46	37
14 States	51	37	59	57

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

GRAIN SORGHUM (Percent Headed)

	Current	Last Wk	1991	Avg.
AR	86	68	58	57
CO	2	1	10	5
IL	39	19	57	42
KS	5	4	20	15
LA	91	87	67	73
MS	87	80	65	73
MO	39	30	41	46
NE	2	0	42	28
NM	11	4	4	NA
OK	20	11	19	35
SD	6	3	15	18
TX	69	65	76	70
12 States	31	27	43	NA
Excl. States with NA	31	28	44	39

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

CORN (Percent Silking)

	Current	Last Wk	1991	Avg.
CO	24	4	19	25
GA	100	98	99	100
IL	90	61	99	88
IN	72	30	93	73
IA	60	18	73	73
KS	80	55	95	80
KY	81	64	82	76
MI	10	3	80	50
MN	8	5	59	53
MO	79	59	84	82
NE	69	27	89	77
NC	93	86	97	92
OH	45	20	93	71
PA	14	2	57	33
SD	16	6	64	49
TX	85	77	94	92
WI	13	3	70	50
17 States	56	30	81	71

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

CORN (Percent Dough)

	Current	Last Wk	1991	Avg.
CO	1	NA	1	0
GA	91	NA	96	97
IL	14	NA	63	36
IN	8	NA	43	30
IA	0	NA	1	3
KS	20	NA	45	25
KY	12	NA	26	16
MI	0	NA	2	2
MN	1	NA	12	14
MO	29	NA	49	35
NE	3	NA	17	9
NC	60	NA	79	65
OH	0	NA	34	17
PA	0	NA	0	0
SD	0	NA	0	0
TX	61	NA	78	72
WI	0	NA	0	0
17 States	8	NA	26	18

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

GRAIN SORGHUM (Percent Coloring)

	Current	Last Wk	1991	Avg.
AR	22	NA	15	10
CO	0	NA	0	0
IL	5	NA	11	3
KS	0	NA	0	0
LA	34	NA	42	27
MS	25	NA	45	33
MO	2	NA	4	6
NE	0	NA	0	0
NM	0	NA	0	NA
OK	5	NA	6	8
SD	0	NA	0	0
TX	56	NA	65	56
12 States	19	NA	22	NA
Excl. States with NA	19	NA	22	19

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

SOYBEANS (Percent Blooming)

	Current	Last Wk	1991	Avg.
AL	36	27	26	37
AR	34	23	29	22
GA	42	27	56	56
IL	82	65	94	82
IN	79	59	91	74
IA	80	65	70	83
KS	50	25	65	50
KY	41	27	59	49
LA	65	48	25	40
MI	35	25	65	50
MN	62	42	74	78
MS	49	32	38	41
MO	57	31	54	56
NE	67	32	71	70
NC	20	15	30	25
OH	65	55	97	82
SC	22	12	31	23
SD	52	33	76	69
TN	32	20	14	28
19 States	63	46	69	66

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

SOYBEANS (Percent Setting Pods)

	Current	Last Wk	1991	Avg.
AL	16	6	8	15
AR	15	6	14	7
GA	14	6	21	26
IL	26	13	71	48
IN	13	4	50	29
IA	25	20	37	43
KS	15	4	25	20
KY	12	6	21	14
LA	28	19	2	15
MI	0	0	20	15
MN	12	5	27	33
MS	15	10	17	17
MO	15	6	20	24
NE	4	0	20	20
NC	12	0	12	2
OH	10	5	65	34
SC	7	3	8	6
SD	9	0	45	27
TN	8	4	3	9
19 States	16	8	37	30

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	97	95	95	97
CO	83	72	82	83
GA	100	100	100	100
ID	17	8	1	8
IL	87	79	100	100
IN	69	43	100	98
KS	98	97	100	100
MI	30	0	96	75
MO	90	84	100	100
MT	1	0	3	19
NE	82	49	95	95
NC	100	98	100	100
OH	30	10	100	98
OK	100	98	100	100
OR	43	22	17	20
SD	18	12	91	82
TX	100	99	99	100
WA	38	20	7	16
19 States	78	72	85	86

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

RICE
(Percent Headed)

	Current	Last Wk	1991	Avg.
AR	36	15	19	14
CA	0	0	1	2
LA	78	70	66	60
MS	40	26	28	35
TX	71	52	84	85
5 States	45	30	35	32

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

SPRING WHEAT
(Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	5	NA	0	2
MN	0	NA	4	11
MT	0	NA	0	6
ND	0	NA	3	8
SD	7	NA	31	37
5 States	1	NA	6	12

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

Crop Condition
(Percent)

for the Week Ending July 26, 1992

CORN

State	VP	P	F	G	EX
CO	0	5	22	55	18
GA	0	0	13	72	15
IL	0	0	10	77	13
IN	0	1	11	68	20
IA	0	1	11	59	29
KS	6	1	13	49	31
KY	0	0	12	61	27
MI	2	8	25	45	20
MN	3	9	52	34	2
MO	0	3	27	57	13
NE	0	7	14	56	23
NC	1	9	56	34	0
OH	1	4	21	53	21
PA	1	3	20	47	29
SD	1	3	24	53	19
TX	0	2	16	58	24
WI	1	7	31	54	7
17 State	1	3	20	57	19
Prev Week	1	3	21	59	16
Prev Year	3	10	34	43	10

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	4	73	23
AR	0	0	19	81	0
GA	0	0	4	92	4
IL	0	0	10	80	10
IN	0	3	23	63	11
IA	0	1	12	64	23
KS	0	1	17	46	36
KY	0	0	18	68	14
LA	0	0	54	46	0
MI	5	10	25	45	15
MN	2	14	51	31	2
MS	0	0	37	62	1
MO	0	0	41	54	5
NE	0	0	6	74	20
NC	0	4	41	55	0
OH	2	8	27	48	15
SC	0	0	57	43	0
SD	1	2	26	51	20
TN	0	0	15	78	7
19 State	0	3	24	61	12
Prev Week	0	3	24	63	10
Prev Year	2	9	43	42	4

COTTON

State	VP	P	F	G	EX
AL	0	0	1	47	52
AZ	0	0	17	50	33
AR	0	0	0	94	6
CA	0	0	5	75	20
GA	0	0	12	83	5
LA	0	2	40	58	0
MS	0	0	10	88	2
MO	0	0	31	61	8
NM	0	13	25	62	0
NC	0	6	52	40	2
OK	0	2	19	79	0
SC	0	2	78	20	0
TN	0	4	15	71	10
TX	9	13	66	10	2
14 State	4	7	40	43	6
Prev Week	3	13	38	39	7
Prev Year	2	2	33	58	5

GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	16	62	22
CO	1	4	34	48	13
IL	0	0	5	75	20
KS	0	1	19	57	23
LA	0	0	56	44	0
MS	0	0	12	87	1
MO	0	0	28	67	5
NE	0	2	11	67	20
NM	0	0	27	73	0
OK	0	1	8	82	9
SD	0	6	31	52	11
TX	1	2	25	60	12
12 State	0	2	21	61	16
Prev Week	0	3	19	60	18
Prev Year	2	12	35	43	8

SPRING WHEAT

State	VP	P	F	G	EX
ID	3	12	28	52	5
MN	1	2	26	62	9
MT	8	16	25	47	4
ND	0	2	23	61	14
SD	1	2	31	58	8
5 State	2	5	25	58	10
Prev Week	2	5	25	57	11
Prev Year	2	7	22	58	11

RICE

State	VP	P	F	G	EX
AR	0	0	25	75	0
CA	0	0	20	75	5
LA	0	0	60	40	0
MS	0	0	48	52	0
TX	0	0	32	48	20
5 State	0	0	34	63	3
Prev Week	0	0	26	68	6
Prev Year	1	0	35	55	9

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 0.25 to 2.50 in. north; mostly 0.50 to 2.50 in. in south. Temperatures 1 to 2° below normal. Lows mid 60s; low 70s near coast. Highs low 90s.

Days suitable for fieldwork 3.5. Soil moisture 2% short, 69% adequate, 29% surplus. Scattered rains benefited crops, pastures. Corn 98% silked, 95% 1991, 98% avg.; 58% dented, 68% 1991, 66% avg.; 30% mature, 39% 1991, 39% avg.; 6% harvested, 5% 1991, 11% avg.; 9% fair, 34% good, 57% excellent. Sorghum 79% good, 21% excellent. Peanuts 83% pegging, 91% 1991, 93% avg.; 57% good, 43% excellent. Pasture 1% poor, 13% fair, 55% good, 31% excellent. Livestock 5% fair, 75% good, 20% 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: Periodic showers plagued haymaking in central and southern Railbelt, while warm weather and sunshine combined to permit excellent progress in Tanana Valley. Highs ranged 2° below normal to 4° above normal. Lows 2 to 6° above normal. Seasonal precipitation 2.10 in. wetter than normal at Fairbanks to 1.83 in. drier than normal at Kenai.

Days suitable for haymaking 3.0. Topsoil moisture 20% short, 80% adequate. Subsoil moisture 15% short, 85% adequate. Small grains: oats, 100% headed, barley 75% headed, 25% early dough. Crop growth; 25% slow, 43% moderate, 30% rapid. First crop hay harvest 70% complete. Barley 48% fair, 52% good. Commercial potatoes 35% blooming; 20% poor, 13% fair, 52% good, 15% excellent.

ARIZONA: Sunny, hot, 19th to 20th; increased humidity, clouds, scattered showers 21st to 23rd; strong storms, cloudy, cooler 23rd to 25th. Temperatures 9° below normal to 2° above. Extremes 45°; 98°, higher elevations, 60°; 114° deserts. Precipitation; mountains, northeast, 0.41 to 1.45; central 0.01 to 6.25; east, southeast, 0.04 to 1.09; west none. Some delay in fieldwork, central. Year-to-date rainfall above normal statewide; double to triple normal southeast, central, west.

Cotton squaring 100%, 100% 1991, 99% avg.; setting bolls 95%, 88% 1991, 91% avg.; 17% fair, 50% good, 33% excellent; weeds light to moderate; insects mostly light to moderate, central and east; moderate to severe, west. Alfalfa mostly good to excellent; insects light to moderate, weeds moderate to light statewide; harvest, active to moderate. Light rain damage in sections. Safflower harvest begun, west. Corn for silage harvested, east, central. New crop lemon harvest, west. Cantaloupes, watermelons, honeydews harvested almost complete west, continuing central. Valencia oranges, grapefruit, mixed vegetables harvested, central. Cabbage harvested, east.

ARKANSAS: Temperatures near normal, scattered showers statewide first of week. Temperatures 61°; 98°. Rainfall none to 2.45.

Days suitable for fieldwork 5. Soil moisture 8% short, 79% adequate, 13% surplus. Main farming activities: Applying herbicide, fertilizer to rice, applying insecticides to cotton, applying herbicide to soybeans, pasture weed control, hay harvesting, working cattle, harvesting fruits, vegetables. Rice sheath blight continues to be a problem 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. Soybean planting completed. Soybeans emerged 99%, 95% 1991, 96% avg. Cut worms reported in some fields in southeast. Some spot replanting done in east central due to excess rain in low areas. Nematodes reported in fields in northeast, east central. Worms at treatment levels reported in fields in northeast. Corn 12% fair, 53% good, 35% excellent. Peach harvest continued across the State. Peach fair to good. Watermelon harvest continued in southwest, mostly good. Tomatoes good. High humidity, heat caused stress to poultry. Livestock good. Pastures mostly good. Grasshopper numbers increased in northwest. Hay harvest continued.

CALIFORNIA: Weak high pressure continued over the State bringing warmer than normal temperatures. Remnants of hurricane Estelle brought isolated showers early in the week. Drier air by midweek ended showers and mountain thunderstorms.

Open weather permitted good progress field activities. Small grains harvested, followed by straw baling, stubble burning, ground preparation second crop seedings. Cotton good growth. Fields irrigated, sprayed aphids, mites, weeds, worms. Rice growing well, slightly behind normal. Safflower harvest underway, few areas. Seed alfalfa treated lygus. Field corn, dry beans sprayed mites, worms. Corn irrigated, fertilized. Garbanzo beans, sugar beets harvested. Alfalfa hay harvest normal. Some fields treated weevils. Stonefruit harvest continued. Free-stone peach 70% picked. Nectarine harvest three-fourths complete. Plum crop 65% picked. Pear harvest 40% complete; increased activity, Mendocino County. Crimson pear, Shinsui, Shinseiki Asian pear harvest began, Fresno County. Table grape picking moved along, San Joaquin Valley. Controlled mildew; leafhoppers grapes. Almond hull split continued, harvest began Merced county. Almonds treated Navel Orange worm; walnuts, codding moth, scale. Gravenstein apple harvest began, Sonoma County. Gala apple harvest continued. Valencia orange, grapefruit, south coast lemon harvest continued. Avocado harvest, slow. Strawberry growers fumigated ground, transplanted. Harvest continued, very good demand, variable quality, central coast. Broccoli moderate, good quality central coast. Cauliflower moderate Salinas-Watsonville, light Santa Maria variable quality. Carrot harvest continued Kern District. Celery moderate, good quality Salinas-Watsonville; moderate, variable quality Santa Maria. Sweet corn harvest continued central, northern areas good quality. Iceberg lettuce moderate, variable quality central coast. Leaf, Romaine lettuce moderate, variable quality Salinas-Watsonville. Honeydew, watermelon harvest started Sacramento

Valley, melon shipments continued central valley. Summer onion digging active central, southern growing areas. Summer potato movement active Kern, south districts. Sweet potato harvest continued Merced-Atwater. Fresh market tomato picking continued, fall fields being planted central valley areas. Processing tomato volume increased Sacramento, central valley areas good quality. Other vegetables harvested: Beans, cucumbers, garlic for fresh market and processing, peppers, various oriental vegetables. Range conditions poor to good. Few pockets very poor. Mountain areas holding own. Foothills fire hazard. Stock ponds continued to dry. Water supply variable, below normal mountains. Livestock movement active, demand good.

COLORADO: Abundant moisture kept afternoon showers widespread over State. Rainfall up to 2.00 in. reported in east on 21st to 22nd. Rain west 22nd through 26th with some locations reporting almost 2.00 in. Rainfall in major river basins was 0.50 in. to 0.75 in. in the San Luis Valley and the east, while western valleys received 0.25 in. Temperatures 3 to 6° below normal with considerable cloudiness.

Days suitable for fieldwork 4.8. Soil moisture 1% very short, 17% short, 68% adequate, 14% surplus. Alfalfa 2nd cutting 34%, 39% 1991, 37% avg. Small grain harvests slowed by frequent rain showers. Barley harvested 13%, 19% 1991, 26% avg. Oats harvested 27%, 30% 1991, 26% avg. Spring wheat turning color 28%, 30% 1991, 43% avg; harvested 4%. Sorghum headed 2%, 10% 1991, 5% avg. Dry beans flowering 31%, 16% 1991, 32% avg. Winter wheat harvested 83%, 82% 1991, 83% avg. Corn silking 24%, 19% 1991, 25% avg. Corn 5% poor, 22% fair, 55% good, 18% excellent. Dry beans 4% poor, 24% fair, 60% good, 12% excellent. Onion, potato crops are progressing favorably, mostly good to excellent. Early varieties of peaches are being harvested. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures; 1 to 2° below normal Panhandle, around normal Peninsula. Lows; upper 60s to lower 70s. Highs; low to mid 90s. Rainfall; 1.00 to 2.00 in. Panhandle, Big Bend, elsewhere generally less than 0.50 in. Isolated amounts exceeding 5.00 in., all areas.

Soil moisture adequate to surplus all areas. Locally heavy rains delayed fieldwork many areas. Tobacco harvest active. Haying active, weather permitting. Corn for grain harvest increasing. Cotton, peanuts, soybeans, sugarcane made good progress. Citrus groves, trees very good. Rain needed some areas, low volume irrigation all locations. Lots of new foliage with normal fruit sizes. Valencia harvest all but complete, some late bloom fruit picked for juice. Caretakers cutting cover crops, fertilizations, sprays continue. Growers pushing and burning dead trees, resetting old groves, new plantings continue. Vegetable producers preparing land, laying plastic for fall crops. Fall crop tomato transplanting underway north. Limited eggplant planting to begin east coast. State's pastures fair to excellent. Pasture ratings, 10% fair, 55% good, 35% excellent. Moisture levels mostly adequate to surplus. State's cattle herds good to excellent condition.

GEORGIA: Many locations rain 3 or more days. Rainfall north 0.50 to 1.50 in. several locations 2.00 to 4.00 in. South variable, 0.02 Tifton, 5.32 in. Douglas. Temperatures within 1° of normal most locations, 2° above northeast,

inland southeast. Maximum upper 80s northeast, mid 90s south, east, low 90s elsewhere. Lows low to mid 60s mountains, low 70s south.

Days suitable for fieldwork 4.2. Soil moisture 10% short, 72% adequate, 18% surplus. Corn 71% dent, 89% 1991, 87% avg.; 22% mature, 57% 1991, 51% avg.; 0% harvested for grain, 11% 1991, 6% avg. Cotton 0% bolls open, 1% 1991, 1% avg.; insects on increase, spraying active. Sorghum 9% fair, 89% good, 2% excellent. Peanuts 15% fair, 74% good, 11% excellent; 92% pegging, 99% 1991, 98% avg.; Spraying fungicides. Soybean weed control active. Tobacco 52% fair, 48% good; 51% harvested, 67% 1991, 54% avg. Watermelons 7% very poor, 52% poor, 23% fair, 18% good; 93% harvested, 93% 1991, 93% avg.; Supply plentiful. Other vegetables 10% very poor, 2% poor, 47% fair, 41% good; Wet fields slowing harvest some crops, planting fall crop. Apples 1% poor, 7% fair, 92% good; 3% harvested, 11% 1991, 8% avg. Peaches 5% very poor, 18% fair, 77% good; 85% harvested, 94% 1991, 95% avg. Pecans 5% very poor, 14% poor, 46% fair, 35% good. Pastures, hay good. Armyworm infestations some southern areas. Cattle, hogs good.

HAWAII: Remnants from shower systems near the State brought rainfall to the islands which were favorable to agriculture. Showers fell continuously throughout the week, mainly windward areas, upper elevations. Rainfall should return to normal in a few months as the El Niño weather pattern is considered waning. Irrigation remained necessary for some areas. Temperatures high 60s to high 90s. Rainfall 0.02 to 8.50 in.

Days suitable for fieldwork 7.0. Brazilian banana production will continue steady. Papaya output seasonally increased. Sweet corn harvesting moderate to heavy. Watermelon yields were reduced by whitefly infestation.

IDAHO: Temperatures were below normal across State. Scattered precipitation fell in the State with areas of the north receiving over 1.00 in.

Days suitable for fieldwork 6. Soil moisture 14% very short, 45% short, 41% adequate. Winter wheat 3% very poor, 8% poor, 34% fair, 49% good, 6% excellent. Spring barley harvested 8%, 0% 1991, 5% avg. Oat harvested 21%, 9% 1991, 8% avg. Potatoes 92% closing middles, 10% turning. Potato good. First cutting alfalfa 100 percent complete; second cutting 50%, 30% 1991, 32% avg. Dry pea harvest 15%, 4% 1991, 7% avg. Lentil harvest 8%, 0% 1991, 2% avg. Mint 1st cutting 44%, 14% 1991, 19% avg. Peach harvest 38% complete. Irrigation water supplies 18% very poor, 32% poor, 34% fair, 16% good. Activities: cultivating, 2nd cutting alfalfa, irrigation, harvesting of small grains, mint, dry peas, lentils. Pasture, range 61% of normal. Livestock good.

ILLINOIS: State experienced cool, wetter than normal weather. Temperatures mid 60s to the lower 80s, while precipitation averaged 1.00 to 3.00 in. most parts of State.

Days suitable for fieldwork 2.75. Soil moisture 8% short, 81% adequate, 11% surplus. Corn dented 1%, 19% 1991, 9% avg. Alfalfa second cutting 74%, 97% 1991, 90% avg.; third cutting 8%, 30% 1991, 19% avg.; 3% excellent, 64% good, 31% fair, 2% poor. Oats turning yellow 95%, 100% 1991, 99% avg.; ripe 70%, 100% 1991, 93% avg.; harvested 20%, 98% 1991, 76% avg.; 4% excellent, 48% good, 43% fair, 5% poor. Pasture 82% of normal.

INDIANA: Temperatures 3 to 6° below normal north, 0 to 2° above normal south. Highs mid 70s to mid 80s. Lows, 60° to around 70°. Precipitation 0.30 to 1.00 far north, southwest, 1.50 to

3.00 in. elsewhere. Since July 1st, 5.00 to 10.00 in. of rain has fallen over most of State, more than twice normal monthly amount.

Days suitable for fieldwork 1.7. Topsoil 1% short, 41% adequate, 58% surplus. Subsoil 8% short, 61% adequate, 31% surplus. Oats harvested 24%, 96% 1991, 70% avg. Rye harvested 48%, 100% 1991, 88% avg. Pasture 89%, 87% last week, 44% 1991. Many problems due to wet conditions in unharvested wheat fields.

IOWA: Temperatures 6 to 10° below normal. Extremes 43°; 85°. Rainfall 0.94 in. to 6.10 in.; average 1.82 in. Wettest July since 1958; coolest July since at least 1915.

Days suitable for fieldwork 2.2. Topsoil 63% adequate 37% surplus. Subsoil 2% short, 79% adequate, 19% surplus. Winter wheat 8% very poor, 21% poor, 52% fair, 15% good, 4% excellent. Hay 6% poor, 44% fair, 43% good, 7% excellent. Oats 1% very poor, 5% poor, 35% fair, 52% good, 7% excellent. Pasture 6% poor, 36% fair, 43% good 15% excellent. Corn tasseling 85%, 87% 1991, 89% avg. Oats harvested 40%, 92% 1991, 81% avg. Winter wheat harvested 70%, 100% 1991, 97% avg. Second cutting alfalfa 60% harvested, 79% 1991, 80% avg. Second cutting clover 30% harvested, 55% 1991, 52% avg. Livestock responding well to cool weather.

KANSAS: Temperatures 4 to 8° below normal over State; avg. 8° below normal north central, 7° below normal northeast, 5° below normal northwest, south central, 4° below normal southeast. Remainder of State 6° below normal. Precipitation received all districts. Rainfall 0.93 in. west central to 3.29 in. northeast.

Days suitable for fieldwork 2.5. Surface moisture 3% short, 46% adequate, 51% surplus. Subsurface moisture 7% short, 71% adequate, 22% surplus. Wheat harvest nearly complete, slowed by rain past week. Cool, rainy weather recent weeks is non-typical July weather. Row crops mostly good to excellent. Insect, disease problems very light. Pasture very good. Forage, stockwater adequate over State. Alfalfa cut 85% second time. About 15% cut third time.

KENTUCKY: Weather wet, muggy. Temperatures near or slightly above normal. Highs 85 to 90°, lows 70°. Rainfall 0.50 to 3.00 in. or more. Rainfall 1.20 to 1.70 in.

Days suitable for fieldwork 3.7. Soil moisture 3% very short, 9% short, 67% adequate, 21% surplus. Corn, soybeans developing well. Burley crop diverse, very small to cut, housed. Burley 65% blooming, 63% 1991, 48% avg. Burley 25% topped, 26% 1991, 17% avg. Cutting date August 4. Hay crop fair to good.

LOUISIANA: Temperatures 1.1 to 2.5° below normal. Extremes 66°; 96°. Rainfall 0.70 in. north central to 3.04 in. southeast.

Days suitable for fieldwork 3.2. Soil moisture 2% very short, 2% short, 54% adequate, 42% surplus. Corn 15% fair, 82% good, 3% excellent; 99% dough stage, 96% 1991, 95% avg.; 66% mature, 61% 1991, 46% avg.; 1% harvested, 4% 1991, 3% avg. Hay 96% first cutting, 87% 1991, 93% avg.; 26% second cutting, 0% 1991, 2% avg. Peaches 91% harvested, 90% 1991, 85% avg. Rice 24% ripe, 26% 1991, 13% avg.; 8% harvested, 14% 1991, 6% avg. Harvest slowed due to heavy rain, south. Sorghum 3% ripe, 13% 1991, 4% avg. Webworm problems, south. Sugarcane 79% good, 21% excellent. Sweet potatoes 14% fair, 86% good; 10% harvested, 9% 1991, 3% avg. Livestock 25% fair, 68% good, 7% excellent. Pastures 1% poor, 1% fair, 97% good, 1% excellent. Armyworm

populations vastly increasing. Vegetables 5% very poor, 16% poor, 55% fair, 24% good. Scouting, spraying for insects active in cotton.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 1.51 in. Temperature 77.3°, normal 76.1°. Extremes 53°; 96°.

Days suitable for fieldwork 4.1. Topsoil 4% very short, 17% short, 53% adequate, 26% surplus. Subsoil 9% very short, 35% short, 56% adequate. Crops poor mid-State, fair to good elsewhere. Corn silking 58%, 79% 1991, 67% avg. Soybeans 23% blooming, 45% 1991, 35% avg.; 1% setting pods, 14% 1991, 9% avg. Wheat harvest 92%, 100% 1991, 96% avg. Pastures very poor condition both sides of Bay, good to excellent elsewhere. Alfalfa third cutting 50%, other hay second cutting 51%. Vegetable harvest active, rain slowed potato digging. Rain reduced insect activity.

DELAWARE: Precipitation 1.25 in. Temperature 76.4°, normal 77.0°. Extremes 63°; 94°.

Days suitable for fieldwork 5.1. Topsoil 33% short, 67% adequate. Subsoil 33% short, 67% adequate. Soybeans 28% blooming, 32% 1991, 21% avg. Corn 75% silked, 87% 1991, 84% avg., 2% dough stage, 14% 1991, 12% avg. Potato digging slowed due to rain. Alfalfa third cutting 5%, other hay second cutting 48%, both behind 1991, supplies adequate. A few peaches picked. Cucumber harvest very active.

MICHIGAN: Temperatures 5 to 8° below normal. Extremes 36°; 90°. Precipitation 0.01 to 2.25 in. across State.

Days suitable for fieldwork 4.0. Soil moisture 5% short, 65% adequate, 30% surplus. Corn 56 in. high, 72 in. 1991, 62 in. avg. Hay 95% first cutting, 100% 1991, 100% avg.; 25% second cutting, 65% 1991, 45% avg.; 5% very poor, 15% poor, 30% fair, 40% good, 10% excellent. Oats 20% turning, 100% 1991, 90% avg.; 95% headed, 100% 1991, 100% avg.; 10% poor, 30% fair, 45% good, 15% excellent. Pasture 80% of normal. Major activities: manure spreading, row crop cultivating, harvesting hay, canola, wheat.

MINNESOTA: Temperatures 7 to 13° below normal. Extremes 41°; 85°. Precipitation 0.22 to 1.56 in. State, 0.58 to 0.78 in. above normal for south central, southwest, 0.15 to 0.71 in. below normal elsewhere. Greatest weekly total was 2.80 in.

Days suitable for fieldwork 3.3. Topsoil 3% short, 57% adequate, 40% surplus. Spring wheat 35% turning ripe, 87% 1991, 82% avg.; 0% cut/swathed, 9% 1991, 18% avg.; 0% combined, 4% 1991, 11% avg. Oats 61% turning ripe, 95% 1991, 92% avg.; 6% cut/swathed, 63% 1991, 56% avg.; 3% combined, 36% 1991, 37% avg. Barley 36% turning ripe, 93% 1991, 92% avg.; 1% cut/swathed, 46% 1991, 41% avg.; 0% combined, 19% 1991, 19% avg. Corn 42% tasseling, 71% 1991. 74% avg.; 1% in milk, 12% 1991, 14% avg. Soybeans 62% blooming, 74% 1991, 78% avg.; 12% setting pods, 27% 1991, 33% avg. Winter wheat 4% harvested, 57% 1991, 58% avg. Rye 6% harvested, 47% 1991, 56% avg. Spring wheat 1% very poor, 2% poor, 26% fair, 62% good, 9% excellent. Oat 1% very poor, 3% poor, 30% fair, 58% good, 8% excellent. Barley 1% very poor, 3% poor, 21% fair, 68% good, 7% excellent. Soybean 2% very poor, 14% poor, 51% fair, 31% good, 2% excellent. Corn 3% very poor, 9% poor, 52% fair, 34% good, 2% excellent.

MISSISSIPPI: Temperatures 80°, 1.3° below normal. Extremes 55°; 96°. Most of State received normal rainfall. Rainfall 1.28 to 0.14 in. above normal. Soil temperatures 83°.

Days suitable for fieldwork 3.7, 5.3 1991, 4.7 avg. Soil moisture 4% short, 68% adequate, 28%

surplus. Corn 98% silking, 94% 1991, 94% avg.; dough 78%, 75% 1991, 73% avg.; dented 53%, 51% 1991, 50% avg.; mature 12%, 29% 1991, 14%, avg.; silage harvested 25%, 45% 1991, 28% avg.; 88% good, 12% excellent. Cotton 88% setting bolls, 70% 1991, 79% avg.; 10% fair, 88% good, 2% excellent. Rice 40% heading, 28% 1991, 35% avg.; 48% fair, 52% good. Sorghum 87% heading, 65% 1991, 73% avg.; 25% coloring, 45% 1991, 33% avg.; 1% mature, 15% 1991, 5% avg.; 12% fair, 87% good, 1% excellent; soybeans 97% emerged, 91% 1991, 92% avg.; 49% blooming, 38% 1991, 41% avg.; 15% podding, 17% 1991, 17% avg.; 37% fair, 62% good, 1% excellent. Watermelons 60% harvested, 62% 1991, 60% avg. Hay harvested 74%, 70% 1991, 60% avg. Peaches 90% harvested, 88% 1991, 88% avg.; 28% poor, 50% fair, 22% good. Pecans 32% very poor, 43% poor, 6% fair, 19% good. Livestock 90% fair, 10% good. Pasture 94% of normal. Activities: Insect control, hay harvesting.

MISSOURI: Temperatures 6° below normal St. Joseph to normal St. Louis. Rainfall 2.17 in., ranging from 1.16 in. east central to 4.31 in. northwest. Several small rivers ran out of banks northwest.

Days suitable for fieldwork 2.4, ranging about 1 day northwest, north central, west central, to over 4 days east central, south central, southeast. Topsoil 6% short, 63% adequate, 31% surplus. Crops, pastures continue to benefit from recent rains. Corn silking varies 67% north central to 100% southeast. Corn dough stage less than 20% avg. in 3 northern districts to 72% southeast. Soybeans podding behind last year all districts except northeast, southeast. Excessive moisture, limited sunshine caused yellowing of soybeans in northern districts. Sorghum heading 15% or less 3 northern districts to 63% southeast. Wheat harvest avg. 76% complete 3 northern districts to 96% or more other districts. Oats harvested 66%, 100% 1991, 96% avg. Alfalfa second cutting, 79%, 91% 1991, 93% avg. Other hay cut 87%, 93% 1991, 92% avg. Pasture 1% very poor, 3% poor, 41% fair, 43% good, 12% excellent.

MONTANA: Temperatures below normal. Precipitation near or above normal.

Days suitable for fieldwork 4.5. Topsoil 11% short, 80% adequate, 9% surplus. Subsoil 30% short, 68% adequate, 2% surplus. Barley 43% turning, 61% 1991, 70% avg. Oats 40% turning, 55% 1991, 66% avg. Pasture, range feed 83%, an increase of 8 points from last week. Alfalfa hay 86% harvested, 95% 1991, 96% avg.

NEBRASKA: Temperatures 7 to 10° below normal. Rainfall 0.50 in. in the Panhandle to nearly 9.00 in. southeast, where flooding was reported.

Days suitable for fieldwork 2.9. Topsoil 1% short, 68% adequate, 31% surplus. Subsoil 2% short, 94% adequate, 4% surplus. Wheat harvest slowed by showers. Row crops 9 days behind normal. Wheat 14% very poor, 29% poor, 41% fair, 16% good; 82% harvested, 95% 1991, 95% avg. Corn 7% poor, 14% fair, 56% good, 23% excellent; 69% silked, 89% 1991, 77% avg.; 3% dough, 17% 1991, 9% avg. Soybean 6% fair, 74% good, 20% excellent; 67% blooming, 71% 1991, 70% avg.; 4% setting pods, 20% 1991, 20% avg. Sorghum 2% poor, 11% fair, 67% good, 20% excellent; 2% headed, 42% 1991, 28% avg. Alfalfa 2% poor, 18% fair, 75% good, 5% excellent; second cutting 87%, 89% 1991, 87% avg.; 4% third cutting, 5% 1991, 7% avg. Pasture, range 96% of normal.

NEVADA: Low pressure systems brought cool, dry weather with no measurable precipitation statewide. Scattered afternoon thundershowers occurred over eastern sections, Sierra. Temperatures slightly below normal. Extremes 33°; 112°.

Small grain harvest in full swing. Garlic harvest started, gaining momentum. Second cutting alfalfa well underway north; third, fourth cutting extreme south. Stockwater very short many areas.

NEW ENGLAND: Precipitation none to 1.45 in. Maine, Vermont, 0.10 to 0.90 in. New Hampshire, 0.20 to 1.15 in. southern New England. Temperatures low to high 60s north, mid 60s to low 70s south; 2 to 6° below normal. Maximum temperatures low to high 80s north, mid 80s to low 90s south; minimum temperatures high 30s to low 50s north, mid 40s to high 50s south.

Days suitable for fieldwork 5. Soil moisture 9% short, 79% adequate, 12% surplus. Available grazing 13% short, 83% adequate, 4% surplus. 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 harvest beginning, Connecticut, Massachusetts 8% harvested, good. First cut hay 95% harvested, 100% 1991, 95% avg.; fair to good. Second cut hay 29% harvested, 37% 1991, 31% avg.; good. Shade, outdoor tobacco harvest started, both crops good. Apple set, fruit drop average, scab infection light. Peach set average, 5% harvested in Connecticut, Massachusetts. Pear set average, 4% harvested Massachusetts; elsewhere 0% harvested. Early cranberry fruit set heavy. Strawberries 100% harvested. Blueberry set average, 16% of high bush harvested in southern Maine. Major activities: Irrigating, cultivating, mowing, spraying orchards, harvesting early vegetables, sweet corn, tomatoes, blueberries, haying.

NEW JERSEY: Temperatures much below normal. Extremes 52°; 94°. Rainfall 1.28 in. north, 1.15 in. central, 1.97 in. south. Heaviest 24 hour total 2.50 in. on 23rd, 24th. Estimated soil moisture, in percent field capacity, averaged 79% north, 65% central, 60% south. Four-inch soil temperatures averaged 69° north, 71° central, 74° south.

Soil moisture content adequate. Chinese cabbage, dandelion, dill, basil, okra, spinach, turnips in light volume. Beets, beans, cabbage, leeks, cantaloupe, watermelon in moderate volume. Cucumbers, eggplant, peppers, squash, tomatoes, sweet corn in good volume. Potato harvest in south. Peach harvest increasing. Apple harvest started. Blueberry harvest past peak. Second cutting hay. Wheat harvest delayed by rain. Some oat harvest in central Jersey. Field corn in silk. Rain improved pasture, field crops.

NEW MEXICO: Surge of tropical moisture from Mexico helped produce scattered to occasionally numerous showers, thunderstorms over nearly all areas during the week. Several areas in the northeast received over 2.00 in. Clouds, precipitation held temperatures down a couple of degrees below normal. Extremes 45°; 98°.

Days suitable for fieldwork 6.0. Soil moisture 44% short, 52% adequate, 4% surplus. Light hail damage in isolated areas. Crop conditions: Alfalfa, 11% fair, 89% good. Harvest progressing well. Corn, 100% good, 49% tasseled. Onions 40% fair, 60% good. Chile 25% fair, 75% good with a small amount of harvest starting. Apples 8% fair, 92% good. Pecans 20% fair, 80% good. Cattle, sheep fair to excellent. Range, pasture 91% of normal.

NEW YORK: Temperatures 3 to 6° below normal. The 23rd was extremely cold, with low maximum temperatures. Extremes 40°; 88°. Most areas received between 0.50 to 1.00 in. of rain. Rain fell in some part of the State each day except the 25th.

Days suitable for fieldwork 3.5. Soil moisture adequate to excessive. Pastures 87% of normal. Hay, wheat in good condition. Corn in good to excellent condition, some fields tasselling. Wet weather slowed haying. Second cutting alfalfa 25% finished, 68% 1991, 35% average. Clo-tim 88% cut, 99% 1991, 93% avg. Apples in Lake Ontario region show excellent crop prospects, sizing nicely. Hand thinning continued. Pears show a heavy set. Large portion of sweet cherry crop lost to cracking caused by rain. Early tart cherries poor due to scarring, cracking caused by frost, rain. Grapes in Finger Lakes region show some mildew. Development of the crop has been slowed by cool weather. Heavy rains earlier in month damaged some vegetables. Many fields still flooded. Harvesting gaining momentum, but behind normal due to cool weather. Onions in Orange County in very good condition.

NORTH CAROLINA: Temperatures near normal to 2° above normal. Precipitation 4.81 in. at Longwood to 0.03 in. at Pope Air Force Base.

Days suitable for fieldwork 5.6. Soil moisture 3% very short, 47% short, 47% adequate, 3% surplus. Crop condition: Pasture 5% poor, 58% fair, 37% good. Tobacco 4% poor, 58% fair, 34% good, 4% excellent. Corn 1% very poor, 9% poor; 56% fair, 34% good. Cotton 6% poor, 52% fair, 40% good, 2% excellent. Peanuts 4% poor, 26% fair, 70% good. Soybeans 4% poor, 41% fair, 55% good; Hay 1% poor, 60% fair, 39% good. Irish potatoes 8% poor, 31% fair, 61% good. Sweet potatoes 27% fair, 73% good. Apples 5% very poor, 5% poor, 57% fair, 33% good. Peaches 20% very poor, 20% poor, 40% fair, 20% good. Sorghum 4% poor, 44% fair, 52% good. Truck Crops 14% poor, 54% fair, 32% good. Cotton Squaring 85%, 97% 1991, 91% avg.; Cotton setting bolls 42%, 75% 1991, 70% avg. Corn silking 93%, 97% 1991, 92% avg.; soft dough 60%, 79% 1991, 65% avg. Soybeans flowering 20%, 84% 1991, 80% avg. Flue-cured tobacco harvested 21%, 19% 1991, 16% avg. Irish potatoes harvested 90%, 95% 1991, 91% avg. Peaches harvested 76%, 68% 1991, 66% avg. Hay, roughage supplies 3% short, 91% adequate, 6% surplus. Hay second cutting 37%. Major activities: Topping tobacco, harvesting tobacco, vegetables. Other activities: harvesting hay; spraying tobacco for sucker control; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: Cool with scattered showers throughout State. Statewide temperatures 9° below normal southwest, south central, southeast to 5° below normal northwest. Extremes 37° southwest; 94° west central. Precipitation 0.05 in. west central to 0.50 in. northeast.

Days suitable for fieldwork 6.6. Soil moisture above last year and average. Topsoil 7% very short, 33% short, 60% adequate. Subsoil 9% very short, 36% short, 55% adequate. Small grain development continued far behind 1991 and average. Spring wheat 2% poor, 23% fair, 61% good, 14% excellent; none swathed or combined; 15% turning and beyond, 67% 1991, 64% avg. Durum 1% poor, 23% fair, 62% good, 14% excellent; none swathed or combined; 5% turning and beyond, 37% 1991, 43% avg. Barley 1% poor, 24% fair, 63% good, 12% excellent; 1% swathed; 29% turning and

beyond, 81% 1991, 81% avg. Oats 3% poor, 46% fair, 47% good, 4% excellent; 1% swathed; 25% turning and beyond, 68% 1991, 68% avg. Winter wheat 4% poor, 39% fair, 56% good, 1% excellent; 2% combined, 43% 1991, 38% avg. Late season crop development also far behind last year and average. Sugarbeets 89% good, 11% excellent. Corn 2% poor, 26% fair, 72% good; 6% tasseling to silking, 83% 1991, 63% avg. Flax 1% poor, 33% fair, 60% good, 6% excellent; 2% turning to ripe, 11% 1991, 7% avg. Potatoes 100% good; 67% bloom or beyond, 96% 1991, 94% avg. Soybeans 12% fair, 88% good; 12% pods on lower plant only; none fully podded, 13% 1991, 5% avg. Dry beans 26% fair, 74% good; 13% podding; none fully podded, 17% 1991, NA avg.. Sunflower 5% poor, 27% fair, 68% good; 1% bloom and beyond, 24% last year, 20% avg. Range and pasture conditions 73% of normal. Hay crop condition 60% of normal. Alfalfa hay second cutting 22% complete, other hay 69% complete. Stockwater supplies 5% very short, 24% short, 71% adequate.

OHIO: Once again weather was dominated by clouds, rain. Rains of 1.00 to 3.00 in. were common with some larger amounts. Since July began, 5.00 to 10.00 in. of rain has fallen on average across State which is more than two times normal monthly precipitation. Due to saturated soils flooding was prevalent, in some cases severe. Northern sections of the State had slightly below normal temperatures while southern sections had normal to slightly above normal temperatures. Mean daytime highs varied from the mid 70s north to low 80s south while average lows near 60° north to around 70° south.

Days suitable for fieldwork 1.6. Topsoil 2% short, 35% adequate, 63% surplus. Wheat 6% very poor, 23% poor, 38% fair, 28% good, 5% excellent. Hay 1% very poor, 8% poor, 32% fair, 50% good, 9% excellent. Pasture 4% poor, 25% fair, 56% good, 15% excellent. Oats 4% very poor, 11% poor, 33% fair, 46% good, 6% excellent. Seasonal fruits, vegetables are being harvested. Conditions of corn, soybeans are improving while the condition of wheat continues to deteriorate. Extremely wet weather continues to set small grain harvest further behind.

OKLAHOMA: Temperatures below normal Panhandle to normal northeast. Precipitation 0.02 in. north central to 4.20 in. southeast.

Days suitable for fieldwork 5.4. Topsoil 15% short, 70% adequate, 15% surplus. Subsoil 100% adequate. Wheat 82% plowed, 93% 1991, 89% avg.; 1% seedbed prepared, 7% 1991, 7% avg. Cotton 2% poor, 19% fair, 79% good; 62% squaring, 75% 1991, 75% avg.; 10% setting bolls, 22% 1991, 28% avg. Sorghum 1% poor, 8% fair, 82% good, 9% excellent; 20% headed, 19% 1991, 35% avg.; 5% milk to soft, 6% 1991, 8% avg. Corn 60% milk to soft, 20% 1991, 49% avg.; 2% mature, 5% 1991, 6% avg.; Soybeans 95% planted, 100% 1991, 100% avg. Peanuts 79% pegging, 65% 1991, 69% avg. Pastures 102% of normal. Cattle good; marketings average, prices steady to lower.

OREGON: Thunderstorms early in week, causing hail damage, high winds, heavy rains, urban flooding; mostly east of Cascades. All areas received some rainfall. Temperatures above normal, west of Cascades; eastern areas varied.

Soil moisture 81% short, 19% adequate. Winter wheat 22% harvested. Barley 27% harvested. Rain delayed grain, hay harvest. Grass seed, alfalfa, mint harvest underway in Willamette Valley. Curly top causing sugarbeet problems, Malheur County. Blueberry picking continued, Gravenstein apples, peach, plum, nectarine harvest underway,

Willamette Valley. Bartlett pear harvest is expected by week of 27th, Hood River Valley, Medford areas. Cranberry development excellent, southern coast. Strawberry field regrowth good, strong runner growth. Hazelnut crop two weeks ahead of normal. Klamath potatoes in flower-tuber bulking stage, 20%. Early fresh market potato, onion harvest underway, Hermiston-Boardman district. Onions, potatoes damaged, hail; Malheur Co. Hermiston melon harvest underway. Processing sweet corn, potato harvest beginning. Livestock continued good; rains have helped some higher elevation range, pastures. Stock water continues to be short, producers hauling water; some drilling wells for stock, irrigation water, southern areas. Hay being feed most areas. Dryland pastures state-wide dry, dormant. Range, pasture 53% of normal.

PENNSYLVANIA: Temperature 74°, 4° above normal. Extremes 44°; 91°. Precipitation 1.29 in., 0.40 in. above normal.

Days suitable for fieldwork 3. Soil moisture 15% short, 62% adequate, 23% surplus. Corn 14% silk, 57% 1991, 33% avg.; height 52 in., 56 in. 1991, 51 in. avg.; 1% very poor, 3% poor, 20% fair, 47% good, 29% excellent. Soybeans 100% planted, 100% 1991, 100% avg.; 3% very poor, 4% poor, 20% fair, 44% good, 29% excellent. Barley 10% turning yellow, 0% 1991, 20% ripe, 8% 1991, 70% harvested, 92% 1991. Wheat 6% heading process or headed, 0% 1991, 10% turning yellow, 1% 1991; 52% ripe, 9% 1991, 32% harvested, 90% 1991; 2% very poor, 3% poor, 20% fair, 56% good, 19% excellent. Oats 29% heading process or headed, 5% 1991; 41% turning yellow, 14% 1991; 24% ripe, 28% 1991; 6% harvested, 53% 1991; 2% poor, 20% fair, 58% good, 20% excellent. Alfalfa first cutting 99% complete, 100% 1991. Second cutting alfalfa 43% complete, 75% 1991. Quality of hay made 34% poor, 54% fair, 12% good. The first cutting of timothy clover was 96% complete. Last year at this time, it was 100% complete. Feed from pastures 4% very poor, 20% poor, 44% fair, 32% good. Peach 35% below avg., 60% avg., 5% above avg. Apple 13% below avg., 83% avg., 4% above avg. Activities: Spraying; hauling manure; spreading fertilizer; 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. Statewide rainfall averaged 1.10 in.

Days suitable for fieldwork 5.5. Soil moisture 9% very short, 54% short, 37% adequate. Tobacco fair to good; 97% topped, 99% 1991, 96% avg.; 45% harvested, 43% 1991, 29% avg. Corn fair to good; 90% dough stage, 92% 1991, 80% avg.; 17% mature, 49% 1991, 35% avg.; 3% harvested, 4% 1991, 3% avg. Cotton fair to good; 97% squaring, 99% 1991, 94% avg.; 46% setting bolls, 84% 1991, 68% avg. Soybeans fair to good; 22% blooming, 31% 1991, 23% avg.; 7% setting pods, 8% 1991, 6% avg. Peaches fair; 56% harvested, 70% 1991, 64% avg. Watermelons fair; 85% harvested, 84% 1991, 79% avg. Cantaloupes fair; 82% harvested, 82% 1991, 76% avg. Cucumbers fair to good; 83% harvested, 86% 1991. Snap beans fair to good. Apples fair to good. Grapes fair to good. Fall hay fair; 32% harvested, 31% 1991, 22% avg. Peanuts fair to good. Sorghum fair to good; 83% planted, 89% 1991, 93% avg.; 7% harvested, 7% 1991, 5% avg. Pastures fair. Rain last week brought needed moisture, especially to corn, soybeans.

SOUTH DAKOTA: Temperatures 5 to 13° below normal. Extremes 39°; 89°. Precipitation was widespread with amounts ranging from over 1.00 in. in the south to 0.25 in. or less in the north. Maximum 3.95 in.

Days suitable for fieldwork 2.3. Topsoil 1% very short, 2% short, 67% adequate, 30% surplus. Subsoil 2% very short, 20% short, 65% adequate, 13% surplus. Rye 6% very poor, 8% poor, 38% fair, 45% good, 3% excellent. Winter wheat 8% very poor, 25% poor, 42% fair, 24% good, 1% excellent. Barley 1% very poor, 1% poor, 25% fair, 58% good, 15% excellent. Oats 2% poor, 21% fair, 65% good, 12% excellent. Flax 2% very poor, 12% poor, 19% fair, 35% good, 32% excellent. Sunflowers 1% very poor, 1% poor, 11% fair, 72% good, 15% excellent. Winter rye 13% harvested, 80% 1991, 73% avg. Barley 9% harvested, 61% 1991, 56% avg. Oats 15% harvested, 70% 1991, 63% avg. All crop progress is behind normal. Livestock 2% fair, 71% good, 27% excellent. Pasture 90% of normal.

TENNESSEE: Warm moist air throughout week. Temperatures above normal Middle, East, below normal elsewhere. State on the plus side for weekly precipitation, except Middle.

Days suitable for fieldwork 4.3. Soil moisture 15% short, 78% adequate, 7% surplus. Corn 93% tasseling, 76% 1991, 82% avg.; 34% dough, 37% 1991, 40% avg.; 11% dent, 13% 1991, 16% avg.; 5% fair, 54% good, 41% excellent. Cotton 99% squaring, 88% 1991, 95% avg.; 47% setting bolls, 45% 1991, 62% avg.; 4% poor, 15% fair, 71% good, 10% excellent. Sorghum 59% headed, 38% 1991, 52% avg.; 5% fair, 87% good, 8% excellent. Soybeans 32% blooming, 14% 1991, 28% avg.; 8% setting pods, 3% 1991, 9% avg.; 15% fair, 78% good, 7% excellent. Tobacco 29% topped, 33% 1991, 22% avg.; 2% poor, 36% fair, 61% good, 1% excellent. Pastures 1% poor, 10% fair, 77% good, 12% excellent. Cattle 7% fair, 86% good, 7% excellent.

TEXAS: Weekly rainfall quite variable as usual in summer. General trend below or near normal amounts over northern half of State, above normal amounts in south. Heaviest rainfall along Upper Coast where storms popped up on a daily basis. Only a few hundredths an inch fell in Lower Valley making it driest district for the week. Temperatures near or below normal. Showers in south, weak cool front in north kept readings down.

Crops: Corn harvest temporarily delayed by rainfall in Upper Coast while cooler temperatures, showers helped fields in Blacklands. Fields in High Plains that missed rainfall were irrigated. Most cotton fields progressed relatively well. In High Plains fleahoppers damaged isolated areas. Fields defoliated in Rio Grande Valley. Insect pressure in late planted fields. Irrigation practices continued most areas. Rice fields progressed along Upper Coast. Harvest activities minimal due to moist conditions, expanded as week ended. Early in week grain sorghum harvest slowed by rainfall in South Texas, Upper Coast. Harvest preparations continued in Blacklands as producers began harvesting some fields. Late blooming fields treated for midge damage. Cultivation practices active on Plains where fields behind schedule. Peanut fields showed signs of good growth. On Plains some varieties set nuts, others pegged. Insect damage active in Hill Country. Statewide peanut condition rated 86% normal, 80% last year. Rainfall improved soybean growth in Upper Coast. Many fields bloomed, set pods. Harvest preparations on early varieties in Blacklands with excellent yield potential. Stink bugs sprayed Central Texas.

Commercial Vegetables: In San Antonio-Winter Garden, peppers progressed well. Showers improved most vegetable crops. In East Texas, tomatoes plentiful. Watermelons harvesting. Insect and disease problems widespread. In High Plains, potatoes harvesting. Onion harvest full swing with good quality. In Trans-Pecos, some chile wilt occurred. Melon harvest continued. Peach harvest continued with good yield, quality. Disease problems major concern on many late varieties. Pecan set and development improved in areas with good moisture conditions. Trees stressed from heat had nuts dropping, leaf browning. Scab infection caused heavy nut loss in some areas.

Range and Livestock: Range, pasture conditions varied depending on amount of moisture received. Hay operations active with good yields. Spraying for armyworms continued. Livestock good. Hornfly population increased.

UTAH: Temperatures were within 1° of normal. Light precipitation was reported in all areas except Dixie where none was reported.

Days suitable for fieldwork 6.6. Soil moisture 79% short, 21% adequate. Irrigation water 20% very short, 70% short, 10% adequate. Stockwater supply 29% very short, 41% short, 30% adequate. Winter wheat ripe 96%, 63% 1991, 82% avg.; harvested 47%, 16% 1991, 44% avg. Spring wheat ripe 71%, 23% 1991, 56% avg.; harvested 23%. Barley turning 97%, 84% 1991; ripe 77%, 26% 1991, 60% avg.; harvested 26%. Oats turning 69%, 45% 1991; ripe 33%, 11% 1991; harvested for hay or silage 65%; harvested for grain 7%. Corn height 62 in., 46 in. 1991, 56 in. avg. Corn tasseling 51%, 10% 1991, 37% avg. Alfalfa 2nd cutting 83%, 43% 1991, 56% avg. Alfalfa 3rd cutting 9%. Other hay cut 74%, 62% 1991. Hay and roughage supplies 34% short, 49% adequate, 17% surplus. Tart cherries picked 85%. Apricots picked 90%. Starting to pick early peaches. Pasture, range poor to fair.

VIRGINIA: High temperatures normal the first of the week, above normal the middle of the week, below normal the end of the week. Low temperatures were mostly normal. Extremes 50°; 98°. Precipitation 0.08 to 2.98 in.

Days suitable for fieldwork 4.8. Topsoil 8% very short, 45% short, 41% adequate, 6% excellent. Pasture 23% poor, 38% fair, 33% good, 6% excellent. Alfalfa 8% poor, 32% fair, 51% good, 9% excellent. Other hay 2% very poor, 20% poor, 39% fair, 39% good. Corn silked 60%, 76% 1991, 65% avg.; dough stage 20%, 36% 1991, 27% avg.; dented 7%, 14% 1991, 14% avg.; 1% very poor, 17% poor, 33% fair, 38% good, 11% excellent. Soybeans 99% planted, 100% 1991, 99% avg.; 20% bloomed, 32% 1991, 25% avg.; setting pods 7%, 14% 1991, 10% avg.; 10% poor, 55% fair, 27% good, 8% excellent. Peanut 40% fair, 40% good, 20% excellent. Flue tobacco 6% harvested, 12% 1991, 5% avg. Tobacco 11% poor, 42% fair, 47% good. Wheat 99% harvested, 100% 1991, 99% avg. Oats 95% harvested, 100% 1991, 99% avg. Potatoes 75% harvested. Peach harvest continued; summer apple harvest began. Livestock mostly good. Cutting hay, spraying alfalfa, fruit, irrigating tobacco, harvesting vegetables. Topping, suckering tobacco. Picking tomatoes.

WASHINGTON: Temperatures 1° below normal to 3° above normal west; 5° below to 2° above normal east. Rainfall none to 0.80 in. west; 0.30 to 4.37 in. east.

Days suitable for fieldwork 5.8. Soil moisture 56% short, 44% adequate. Hay, other roughage 7% short, 73% adequate, 20% surplus. Range, pasture 40% poor, 56% fair, 4% good. Winter wheat 38% harvested, 7% 1991, 16% avg. Barley 28% harvested, 8% 1991, 15% avg. Alfalfa hay second cut 79% complete, 63% 1991, 66% avg. Spring wheat 24% harvested, 5% 1991, 5% avg. Dry

peas 27% harvested, 8% 1991, 26% avg. Potatoes 10% harvested, 2% 1991, 4% avg. Cool, wet weather slows grain harvest; heavy precipitation, flooding in some eastern locations shuts down wheat harvest. Winter wheat yields better than expected. Rain damaged hay central areas; helped hay in east. Potato harvest continued; late blight threatens potatoes west. Blueberry harvest continues west; wild blackberries coming into production. Peach, nectarines harvested; pear harvest begins. Cattle grazed harvested cereal fields. Weather helped improve range conditions.

WEST VIRGINIA: No Weather Data Available.

Days suitable for fieldwork 3.2. Soil moisture 82% adequate, 18% surplus. Tobacco good; 20% topped. Gardens good. Oats 7% fair, 93% good; 92% ripe. Wheat good; 65% harvested. Hay 9% poor, 3% fair, 88% good; 98% first cut, 41% second cut. Apples good. Peaches good. Corn 6% fair, 91% good, 3% excellent; 37% silked. Pastures 9% poor, 3% fair, 83% good, 5% excellent; 89% of normal. Cattle good. Sheep good. Soybeans good; 26% blooming. Activities: maintenance, cutting hay, clipping pastures, gardening, harvesting peaches, wheat.

WISCONSIN: Temperature 63°; 8° below normal. Extremes 34°; 87°. Precipitation 0.10 to 1.00 in. Cool weather made for poor hay drying conditions.

Days suitable for fieldwork 3.3. Soil moisture 9% short, 87% adequate, 4% surplus. Pasture 74% of normal, 75% 1991, 64% avg. General condition of crops 1% very poor, 2% poor, 40% fair, 56% good, 1% excellent. Oats 2% very poor, 9% poor, 30% fair, 54% good, 5% excellent. Oats harvested 3%, 29% 1991, 21% avg. Corn height 55 in., 73 in. 1991, 66 in. avg.; 13% silked, 70% 1991, 50% avg.; 1% very poor, 7% poor, 31% fair, 54% good, 7% excellent. Second crop hay 35% harvested, 60% 1991, 55% avg. Soybeans 1% poor, 22% fair, 69% good, 8% excellent. Winter wheat 7% harvested, 76% 1991, 54% avg.

WYOMING: Cool, wet weather prevailed across much of State last week. Temperatures 2 to 5° below normal. Temperatures near normal in the extreme west, southwest. Precipitation above normal across much of the State this past week with amounts generally between 0.20 to 0.50 in. above normal. A few places in the west, isolated areas in the east received around 0.20 in. below normal rainfall.

Days suitable for fieldwork 5.0. Topsoil 31% short, 54% adequate, 15% surplus. Spring wheat 38% headed, 43% 1991, 17% avg.; 40% turning color, 41% 1991, 43% avg.; 20% mature, 15% 1991, 33% avg.; 2% harvested, 1% 1991, 7% avg. Oats 49% headed, 52% 1991, 36% avg.; 39% turning color, 34% 1991, 39% avg.; 10% mature, 13% 1991, 22% avg.; 2% harvested, 1% 1991, 3% avg. Barley 24% headed, 30% 1991, 19% avg.; 28% turning color, 36% 1991, 37% avg.; 44% mature, 33% 1991, 40% avg.; 4% harvested, 1% 1991, 5% avg. Winter wheat 4% headed, 10% 1991, 3% avg.; 31% turning color, 30% 1991, 16% avg.; 50% mature, 38% 1991, 47% avg.; 15% harvested, 22% 1991, 34% avg. Potatoes 65% in bloom, 55% 1991, 72% avg. Dry beans 55% in bloom, 54% 1991, 64% avg.; 8% setting pods, 37% 1991, 29% avg. Corn 31% tasseled, 39% 1991, 43% avg.; 7% silked, 6% 1991, 11% avg. Alfalfa 84% of first cutting completed; 10% of second cutting completed, 6% 1991, 12% avg. Other hay 50% of acreage harvested, 59% 1991, 62% avg. Winter wheat, spring wheat fair to good. Oats, barley fair to mostly good. A few reports of barley, spring wheat in very poor condition. Potatoes, corn good. Sugarbeets, dry beans had a wide range of conditions across the State. Dry beans mostly good, reports of very poor to excellent conditions. Sugarbeets good, with reports of poor to excellent conditions. Stockwater supplies 47% short, 49% adequate, 4% surplus.

International Weather and Crop Summary HIGHLIGHTS

July 19 - 25, 1992

FSU: In western areas, wet weather continues to worsen harvest conditions in North Caucasus, while persistent dryness stresses crops in northwestern areas. In the **New Lands**, widespread, variable rain and near-normal temperatures benefit spring grains in most areas.

EUROPE: Rain slows early grain harvesting in southeastern England, but unfavorably dry weather returns to extreme northern Germany and Poland.

SOUTH ASIA: Monsoon rains surge into central and northern India, but showers taper off over southern grains, oilseeds, and cotton.

SOUTHEAST ASIA: Widespread showers continue over Indochina, with heavy rain again hitting Vietnam. Much needed rain covers the Philippines.

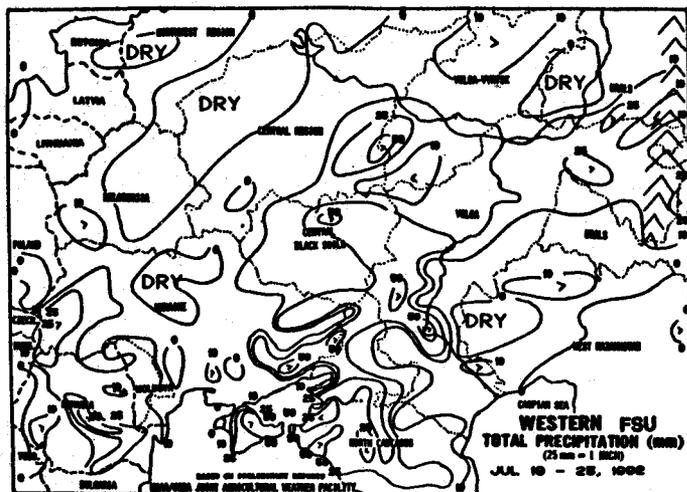
EASTERN ASIA: Rain benefits summer crops throughout China. Heavy rain causes flooding in southern China and North Korea.

AUSTRALIA: Favorable moisture exists for winter grains. Soil moisture is somewhat limited in the east.

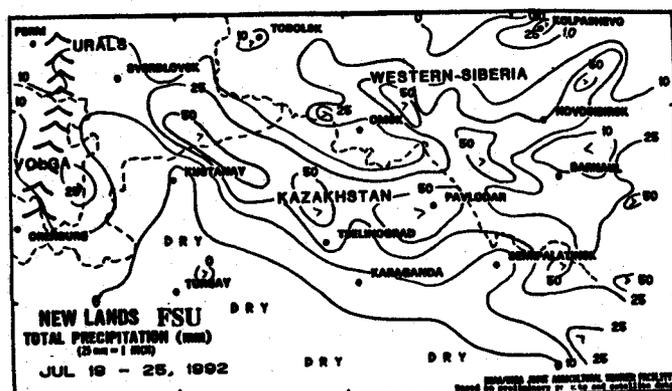
SOUTH AMERICA: Scattered frost raises concern about Brazilian coffee, but little or no damage is expected. However, freezing temperatures possibly damage reproductive Brazilian winter wheat.

MEXICO: Seasonal rains benefit corn, but isolated flooding occurs in the west.

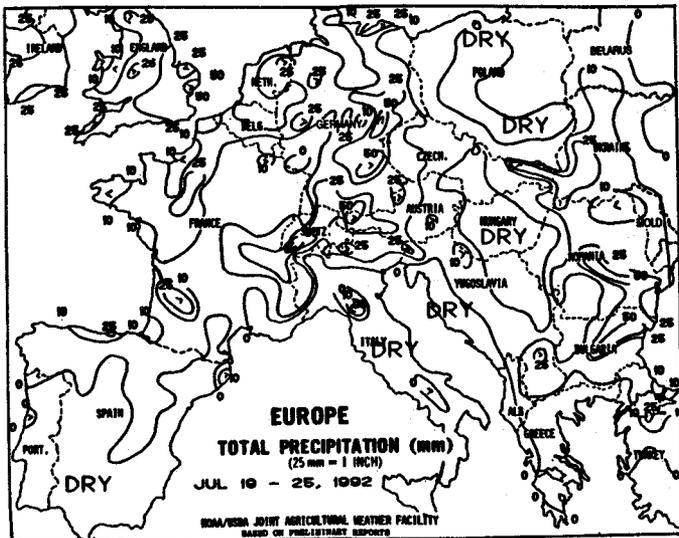
CANADA: Cool, wet weather threatens the condition of Manitoban spring grains and oilseeds.



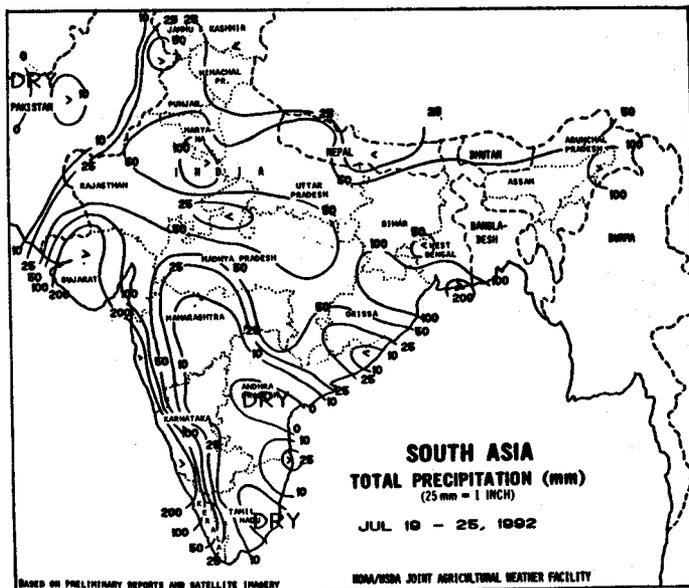
FSU - WESTERN: Winter grain harvesting continued to advance northward, while spring grain harvesting was just beginning in the southern Ukraine and North Caucasus. Persistent wet weather since June in the Krasnodar region of North Caucasus has caused widespread lodging and increased disease. This area historically accounts for about 10 percent of total winter wheat production. This past week, rainfall in this region ranged from 25 to 50 mm, with locally heavier amounts in excess of 90 mm. Although dry weather in the Baltic States, Belarus, Northwest Region, Central Region, and northern Ukraine allowed rapid winter grain harvesting, the dryness has persisted since June, lowering yield prospects for spring grains, currently in the filling stage. In addition, maximum temperatures ranging from 30 to 33 degrees Celsius (C) this past week increased heat stress on crops. Elsewhere, light to moderate rain (10-25 mm, with local amounts in excess of 50 mm) over eastern Ukraine, Black Soils Region, and Volga Valley benefited spring grains and summer crops.



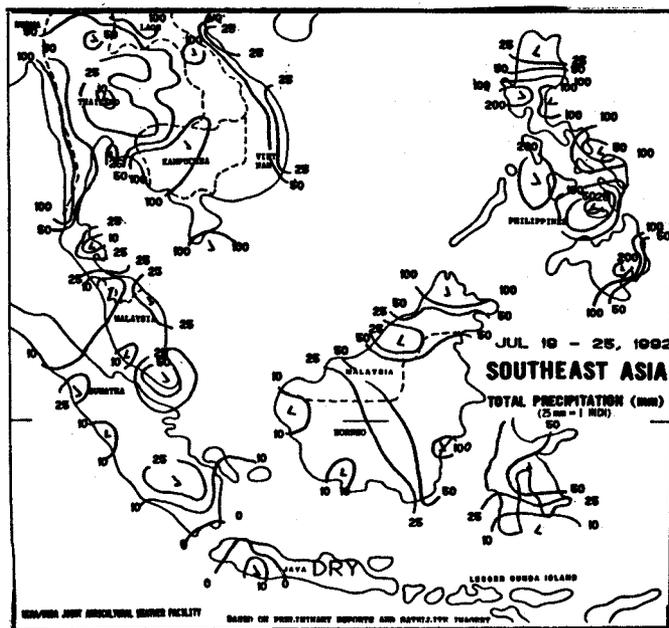
FSU - NEW LANDS: Spring grains were in the filling stage in the southern Urals, Kazakhstan, and Altay Kray and were advancing through reproduction in the northern Urals and northern crop areas in Western Siberia. Light to moderate rain (25-50 mm, with local amounts in excess of 60 mm) benefited spring grains in northern Kazakhstan, northern Urals, and central growing areas in Western Siberia. Lesser amounts of rain (less than 10 mm) covered western Kazakhstan, southern Urals, and crop areas in and around Omsk, Western Siberia. Average temperatures were near-normal over most crop areas.



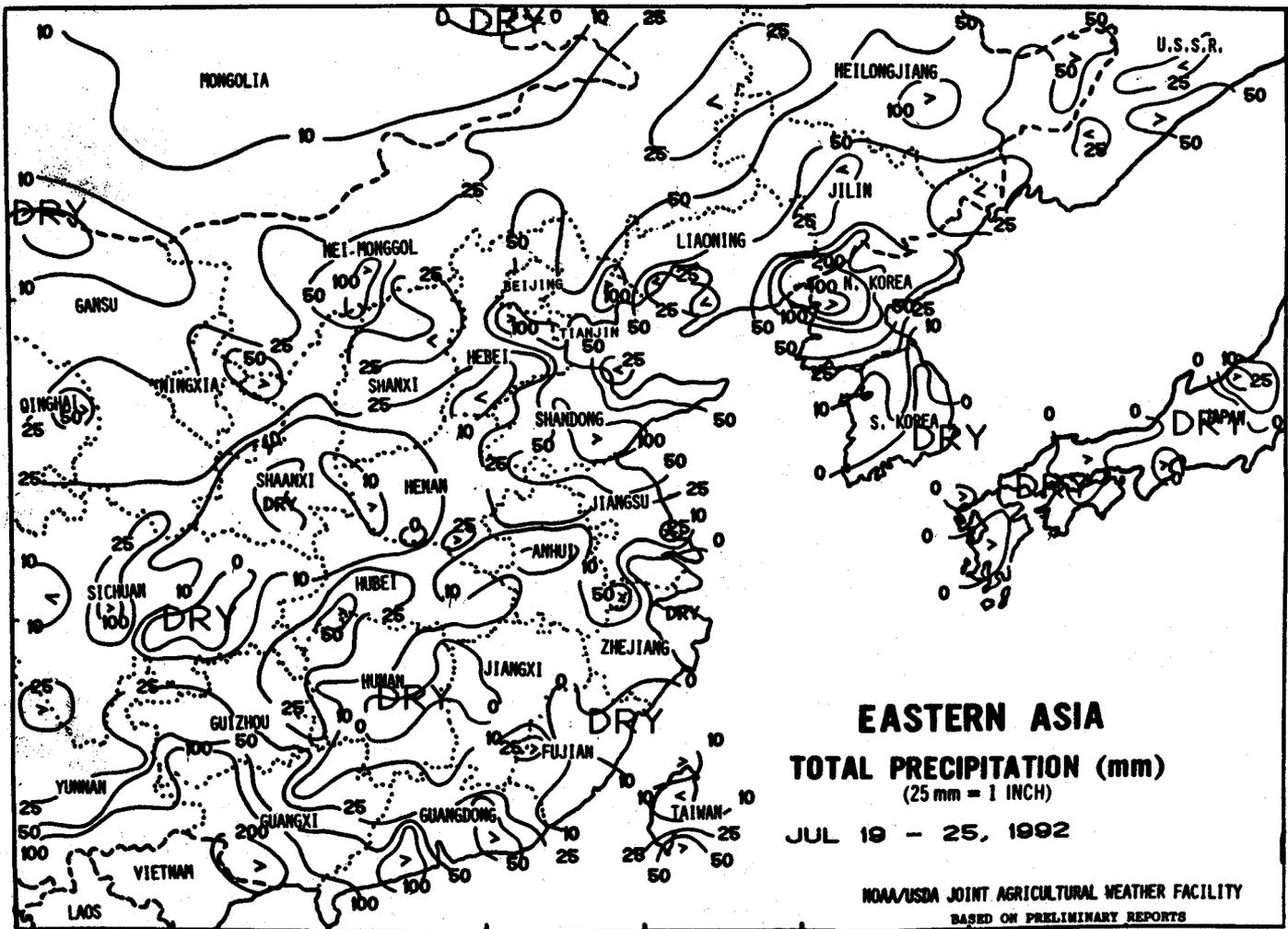
EUROPE: Europe's heaviest rain (25-50 mm, with isolated 50-78 mm amounts) fell in scattered areas across southeastern England, western and east-central France, Germany, extreme southeastern Poland, Romania, and northern Bulgaria. The moisture slowed winter crop harvesting in England, while maintaining adequate growing conditions for summer crops in France and the Benelux countries. However, drier weather returned to extreme northern Germany and most of Poland, where the previous week's rain temporarily eased the long-term moisture deficit. Early grain harvesting began across northern Europe. Mostly dry weather prevailed over Czechoslovakia and Hungary, promoting grain development and winter crop harvesting. Variable rainfall in southeastern Europe moistened topsoils but fieldwork still progressed in most areas. Seasonably dry weather prevailed across the Mediterranean region. Temperatures averaged 2-5 degrees C above normal over most of Europe. Below-normal temperatures were confined to the extreme southeast, especially in Greece.



SOUTH ASIA: The heaviest rain of the season (53-195 mm) soaked primary crop regions of Gujarat and Rajasthan, including primary groundnut regions, which improved soil moisture for planting and establishment delayed by earlier dryness. Further south, seasonably heavy showers (80-388 mm) fell along the southwest coast but did not reach primary crop regions of the southern interior, where rainfall totaled less than 10 mm over a broad area from Maharashtra southward. Following a good, albeit late, start of the monsoon in June, India's southern interior has been tending dry, reducing moisture for developing grains, oilseeds, and cotton. Despite the recent intensification of the monsoon, beneficial rains (25-91 mm) have been limited to localized areas of northeastern Pakistan.



SOUTHEAST ASIA: Beneficial showers continued across Indochina, although many locations in central Thailand received less than 25mm. Warmer-than-normal temperatures accompanied the dryness in central Thailand, enhancing evapotranspiration rates. Typhoon Gary, which crossed Luzon, Philippines on the 20th, made landfall in southern China near the Vietnamese border, bringing heavy showers (100-150 mm) to rice areas of the Red River delta. It was the third storm in a month to hit near northern Vietnam, increasing flood possibilities in rice areas of the river system. In the Philippines, widespread, moderate to heavy rain (50-200 mm or more) covered most primary crop areas. The recent increase in rainfall, directly caused by the start of the typhoon season in the western Pacific, has been timely for main season rice and corn development following months of drought.



EASTERN ASIA: The summer rains moved northward into the North China Plain, with totals ranging from 10 to 133 mm. The rains continue to benefit vegetative to reproductive cotton, corn, and soybeans, and greatly improve yield prospects. Moderate to heavy rain (29-112 mm) covered Manchuria, favoring vegetative corn and soybeans, but delaying early spring wheat harvesting. Central China received widely scattered showers (22-58 mm), but second rice crop transplanting progressed in drier areas. Typhoon Gary hit extreme southwestern Guangdong (Leizhou Peninsula) on July 23, with sustained winds of 70-75 mph, and then swept into Guangxi. Gary produced heavy to isolated torrential rains (113-265 mm) along its path, causing flooding and local damage to rice. Torrential rains (200-475 mm) fell in North Korea, producing extensive flooding. Temperatures averaged 1-2 degrees C above normal across central and northern China and near-normal temperatures elsewhere.

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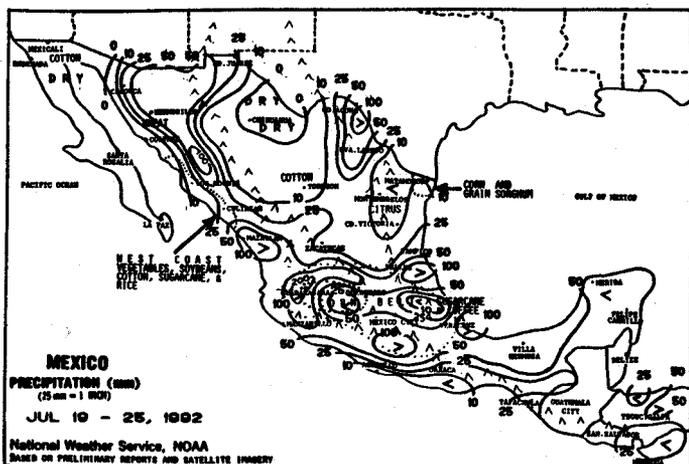
U.S. DEPARTMENT OF COMMERCE

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

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

U.S. DEPARTMENT OF AGRICULTURE

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



MEXICO: Variable showers (21-156 mm) covered the Southern Plateau corn belt, favoring vegetative to reproductive corn. Heavy rain (87-219 mm) fell from the western corn belt northward into northwest Mexico, benefiting reservoir levels, but causing isolated flooding. Temperatures averaged 1-2 degrees C above normal across the corn belt.

(Continued from front cover)

and continued from the central Plains to the Northeast. The 2-day rainfall topped 4 inches in Walla Walla, WA, which is nearly one-fourth of the normal annual total. Numerous thunderstorms in the Southeast eased the effects of the recent hot spell. Record cold lingered in the North Central States, where Sault Sainte Marie, MI, slid to 36°F on Tuesday. Temperatures dropped to 45°F as far south as Mason City, IA. On Thursday, several cities failed to climb above the 60°F mark, including Spokane, WA (59°F), Rochester, MN (60°F), and Lansing, MI (60°F). Late in the week, thunderstorms, some unleashing intense rains, arced from the Southwest to the Mid-Atlantic region. Up to 6 inches inundated Phoenix, AZ, and northeastern Kansas, while 8.40 inches fell near Fairbury, NE. July rainfall records have already been set in parts of Ohio, Arizona, and the east-central Plains.

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