

# WEEKLY WEATHER AND CROP BULLETIN

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

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

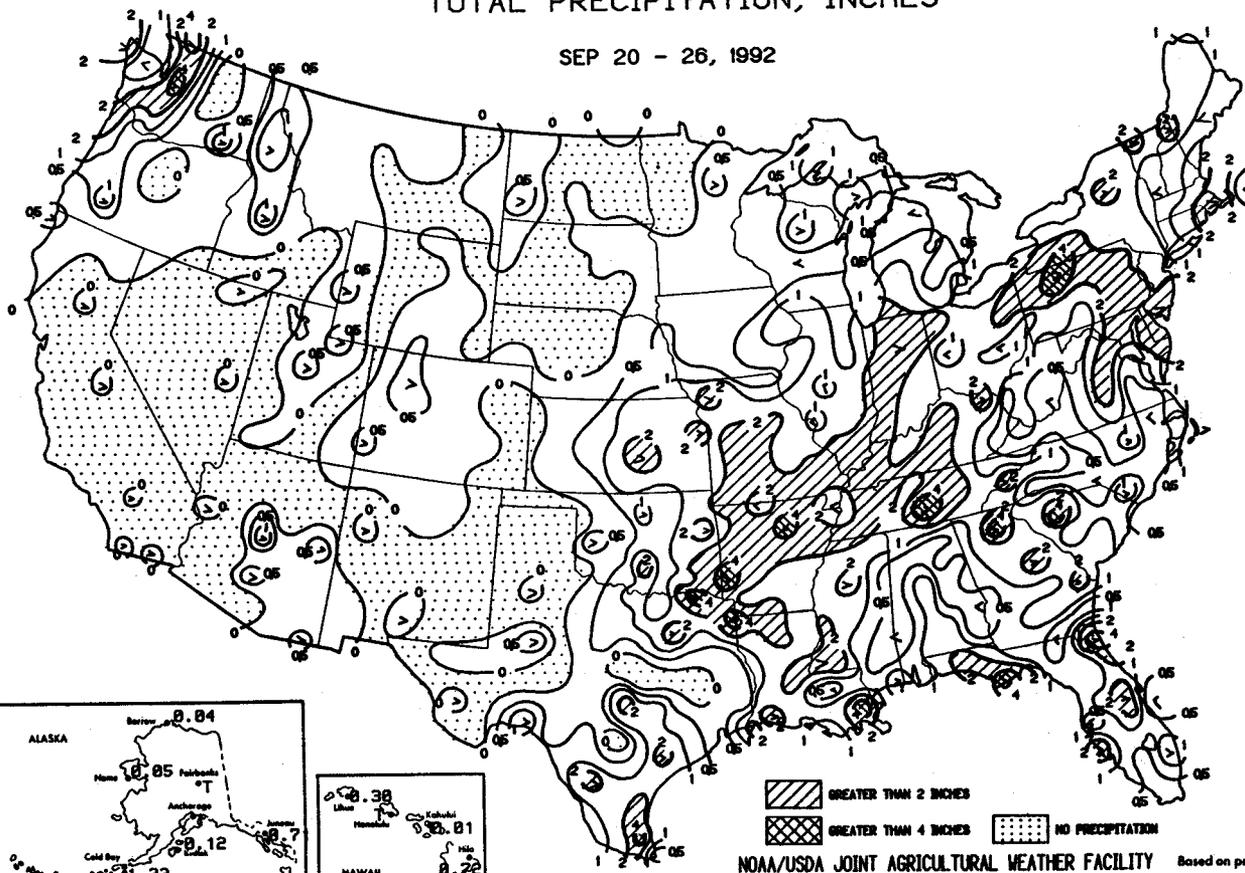
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September 29, 1992

## TOTAL PRECIPITATION, INCHES

SEP 20 - 26, 1992



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

## HIGHLIGHTS

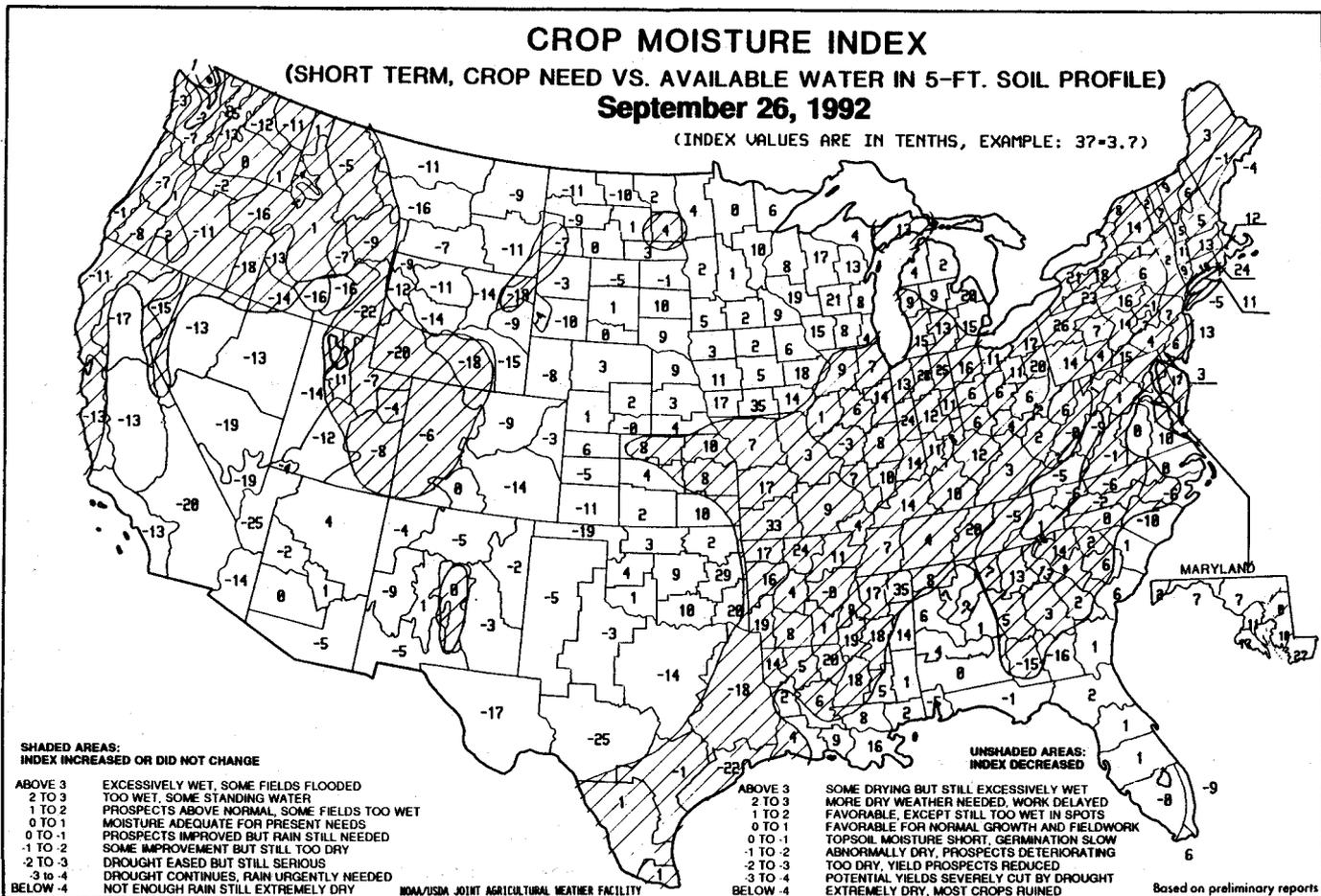
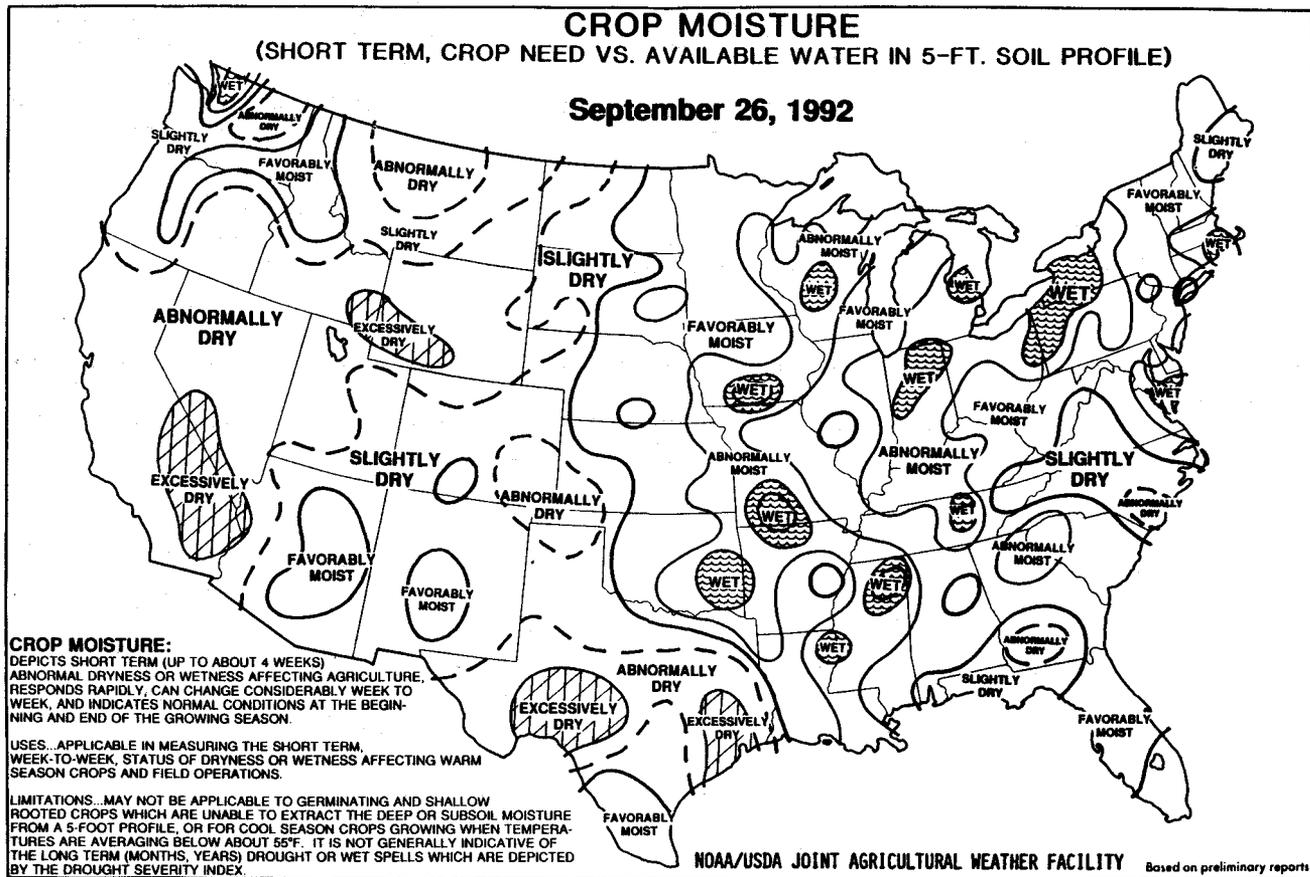
September 20 - 26, 1992

A shot of cool air brought frost to the **northern Corn Belt**, and a Pacific storm pushed record warmth into the **northern High Plains**. Elsewhere, tropical storm "Danielle" roiled **Middle Atlantic** coastal waters, and widespread thunderstorms covered the **Southern and Eastern States**. Early in the week, a band of thunderstorms extended from the **eastern Great Lakes** to **Texas**. Up to 5 inches of rain fell in **west-central Indiana**, causing local flooding. Flash flooding also occurred in **southern Texas** and **northwestern Pennsylvania**. Rainfall pushed toward the **Atlantic and Gulf coasts** by midweek and diminished, and cooler air overspread the **Midwest**. On Tuesday morning, sub-freezing cold covered the **Red River Valley** (between ND and MN), and a day later nipped the northern halves of **Wisconsin** and **lower Michigan**. Minimum temperatures included 30°F in **Fargo, ND**, and 32°F in (Continued to back cover)

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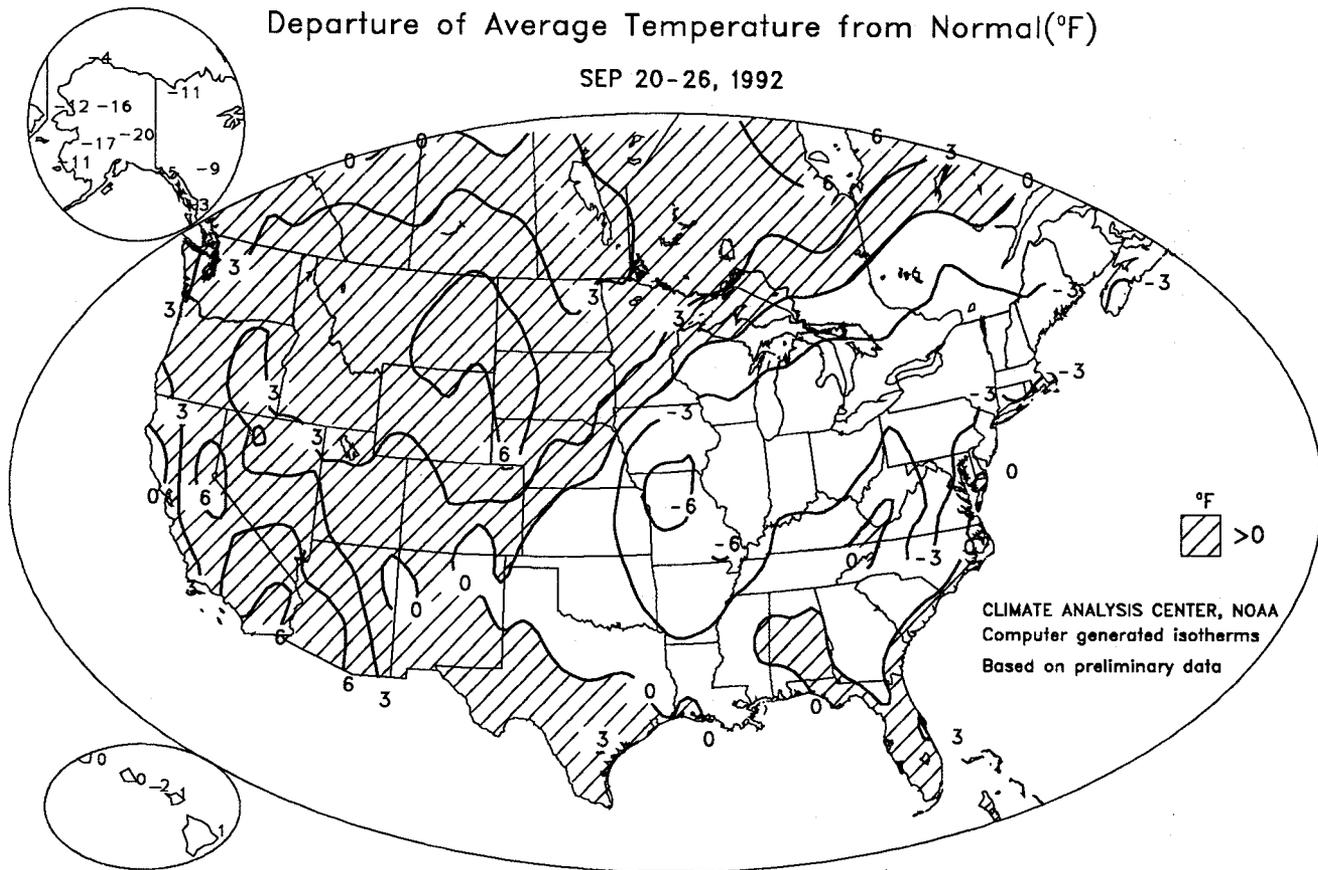
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Departure of Average Temperature from Normal(°F)

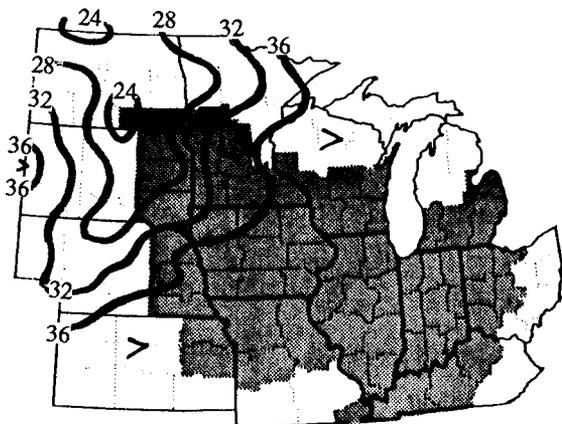
SEP 20-26, 1992



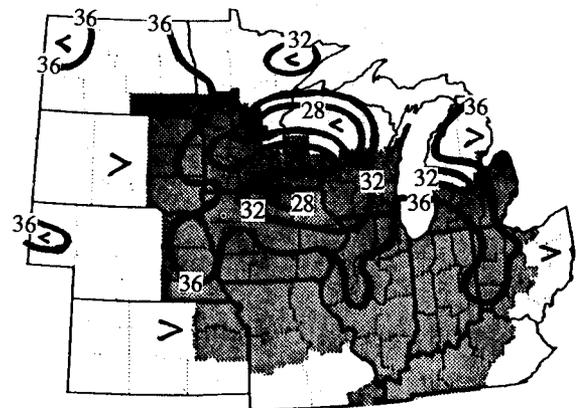
CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isotherms  
Based on preliminary data

Frost in the Corn Belt

Temperatures (°F) at 7 a.m. CDT  
Primary Corn and Soybean Belt Growing Region  
September 28, 1992



Temperatures (°F) at 7 a.m. CDT  
Primary Corn and Soybean Belt Growing Region  
September 29, 1992



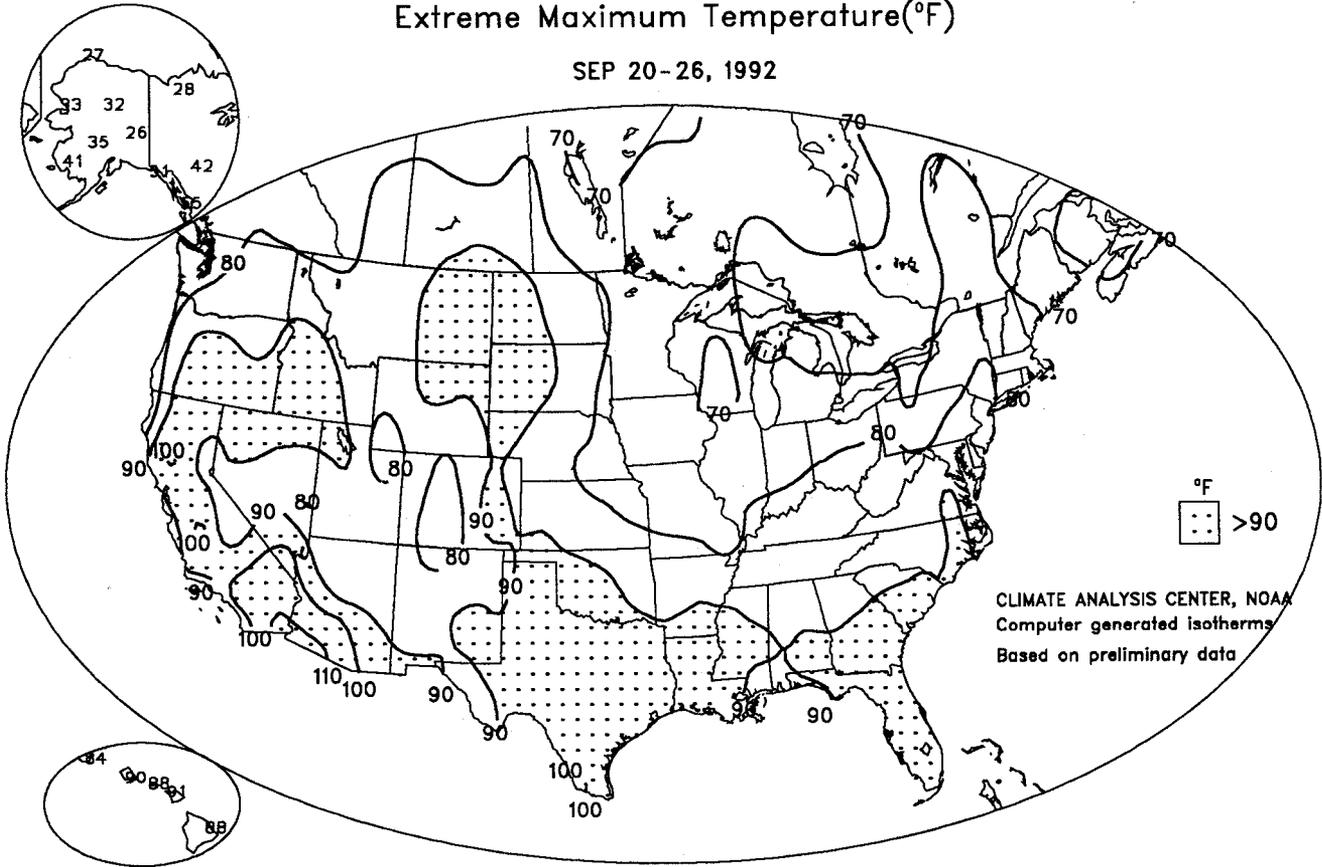
Isotherms drawn for 24, 28, 32, and 36°F

Primary Corn and Soybean Belt growing region shaded.

Clear skies and calm winds combined to produce frost and pockets of subfreezing temperatures over portions of the north-central Corn Belt on Tuesday morning, September 29. However, overall crop damage will be limited to the coldest pockets, where temperatures reached the mid-20's (°F) from north-central Iowa into Minnesota. Minimum temperatures were mostly in the mid-30's to near freezing east of Iowa. Tender vegetables were likely killed across much of the western Great Lakes States. A day earlier, temperatures dropped into the mid to upper 20's in the eastern Dakotas and north-central Nebraska.

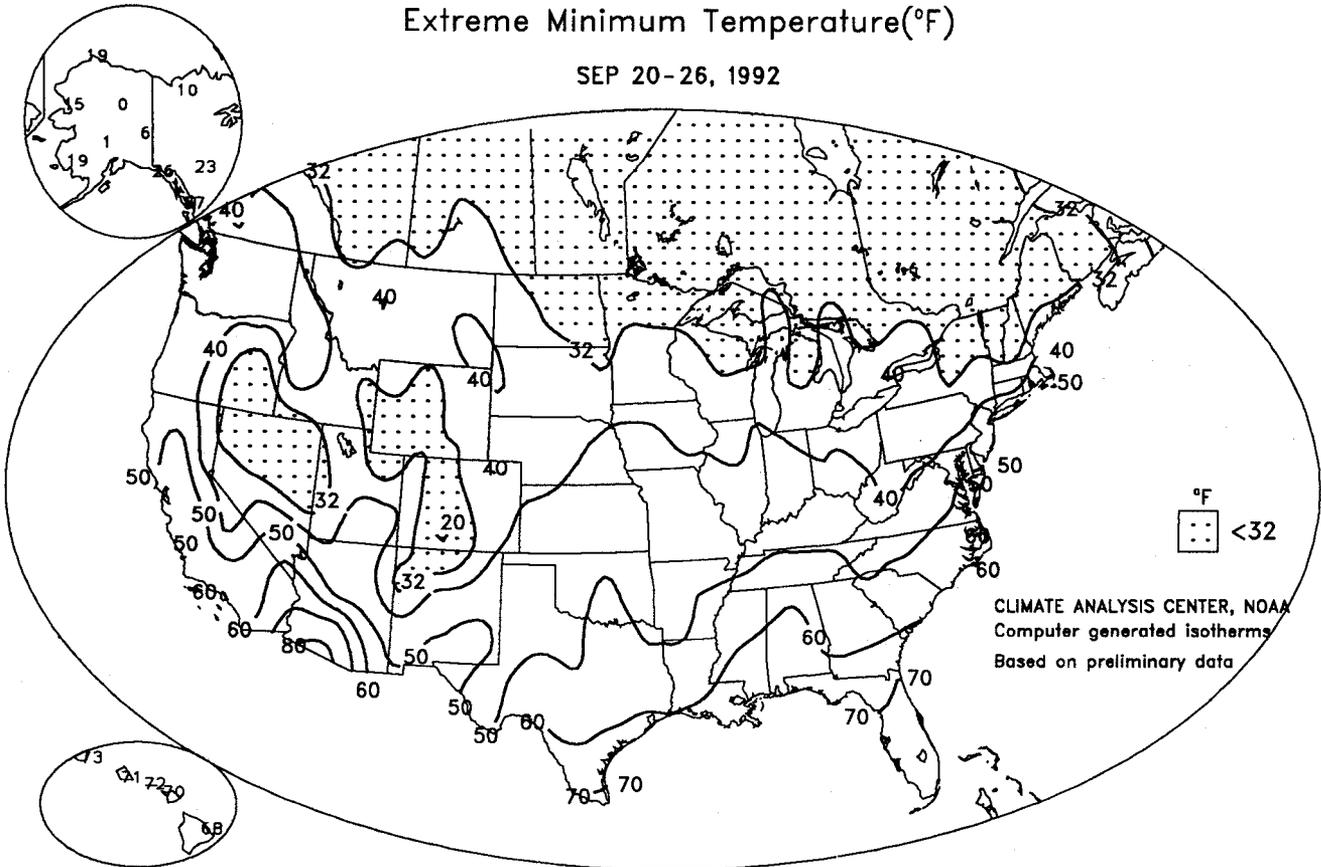
Extreme Maximum Temperature(°F)

SEP 20-26, 1992

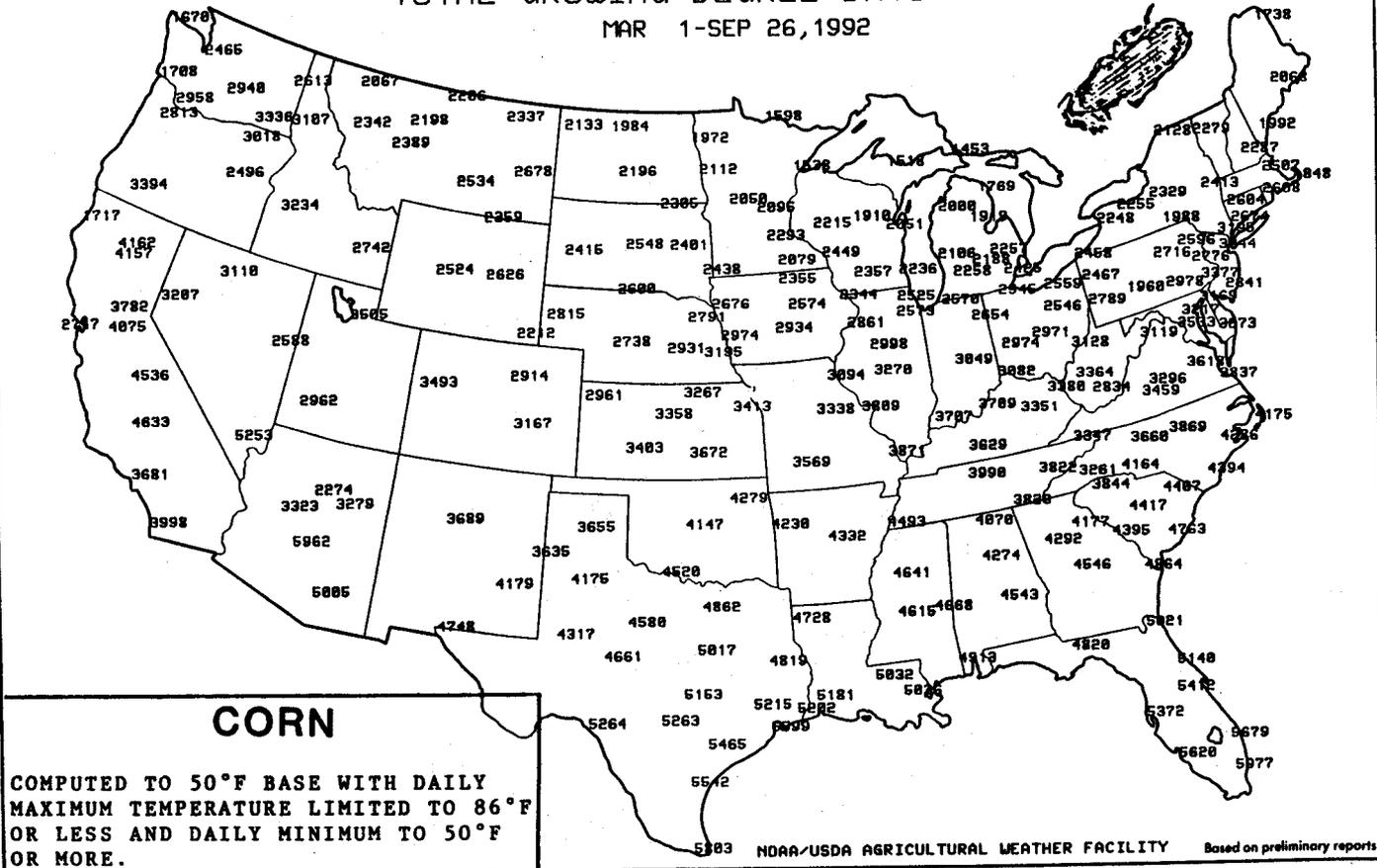


Extreme Minimum Temperature(°F)

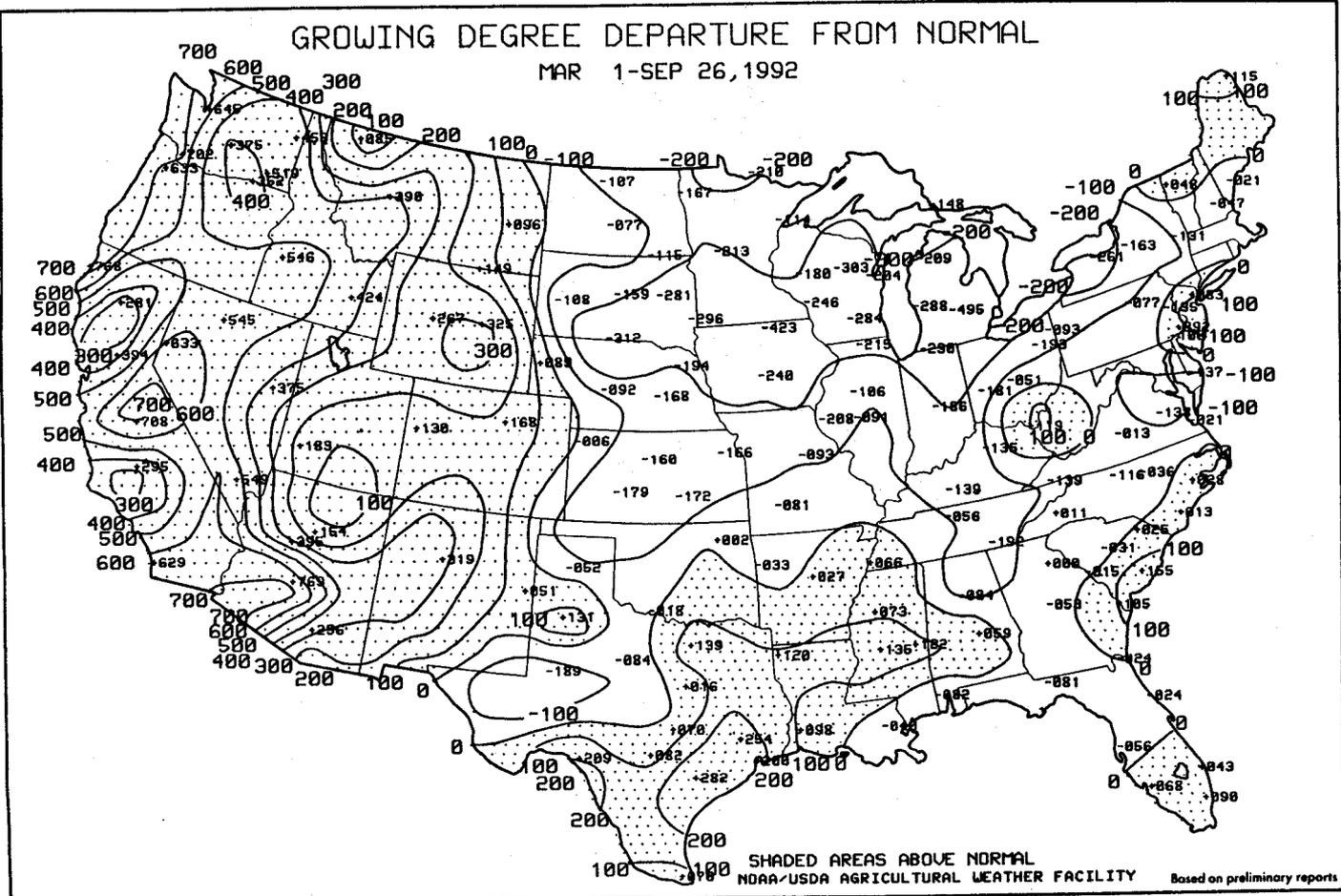
SEP 20-26, 1992



TOTAL GROWING DEGREE DAYS (CORN)  
MAR 1-SEP 26, 1992



GROWING DEGREE DEPARTURE FROM NORMAL  
MAR 1-SEP 26, 1992



## Tropical Storm "Danielle" Lashes the Mid-Atlantic Coast

Tropical Storm "Danielle" moved ashore near Wallops Island, VA, at about 6 p.m. eastern daylight time on September 25, packing 65 miles per hour (mph) sustained winds. Damage due to winds and heavy rainfall was minimal, but strong easterly winds north of "Danielle's" center resulted in tides 2 - 4 feet above normal and widespread minor coastal flooding. A strong high pressure system centered over northern New England helped to channel strong onshore (easterly) winds into the Mid-Atlantic region.

"Danielle" was born in a thunderstorm cluster on the tail of a cold front that pushed off the Carolina coastline on September 20. Two days later, Tropical Storm "Danielle" formed 160 miles south of Cape Hatteras, NC. The storm

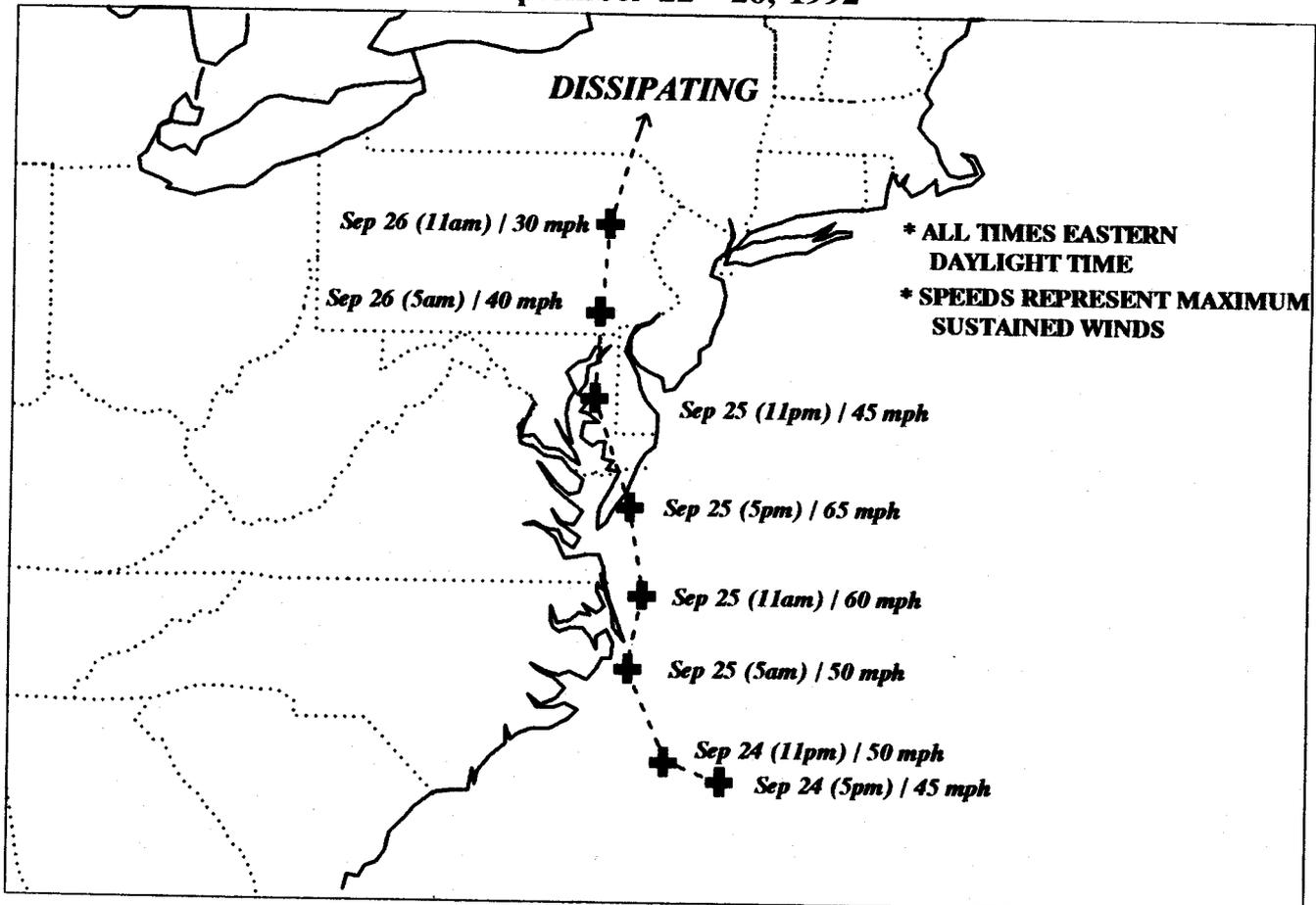
drifted northeastward until September 24, when the New England high pressure system steered it northwestward. The center of "Danielle" passed a few miles east of Cape Hatteras during the pre-dawn hours of September 25, producing wind gusts as high as 48 mph. A few hours later, Norfolk, VA, recorded a gust to 55 mph.

After "Danielle" made landfall, its winds diminished rapidly. Within 12 hours, tropical storm force winds were confined to coastal waters near New York City. But a broad shield of heavy rain spread northward from Virginia and Maryland to eastern Maine. Dover, DE, recorded a storm total of 3.19 inches, and Salisbury, MD, measured 2.68 inches. Farther north, rainfall totaled 1.86 inches in Providence, RI.

--Brad Rippey

### Tropical Storm "Danielle"

September 22 - 26, 1992



# National Weather Data for Selected Cities

Weather Data for the Week Ending September 26, 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 Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	77	66	87	60	71	0	.2	-.7	.2	5.5	146	41.0	96	93	70	0	0	0	1	0		
MOBILE	80	69	87	64	74	-2	.9	-.5	.4	3.3	56	51.5	99	98	76	0	0	0	4	0		
MONTGOMERY	82	66	92	61	74	0	.5	-.6	.3	1.1	26	44.5	116	96	64	3	0	0	2	0		
AK ANCHORAGE	39	24	41	19	32	-13	T	-.6	T	2.5	118	10.2	94	66	36	0	7	0	0	0		
BARROW	25	21	27	20	23	-4	T	-.1	T	1.4	82	9.7	120	85	50	0	7	0	0	0		
FAIRBANKS	29	15	32	7	22	-18	T	-.2	T	1.4	141	9.7	120	85	50	0	7	0	0	0		
JUNEAU	51	40	55	33	46	-1	.9	-.7	.5	9.5	173	57.5	166	98	65	0	0	0	3	0		
KODIAK	47	29	50	26	38	-9	T	-.1	1.1	1.1	20	41.2	99	82	43	0	5	1	1	0		
NOME	35	20	37	15	27	-12	T	-.4	1.1	1.7	84	9.0	78	83	45	0	7	1	0	0		
AZ PHOENIX	102	79	105	75	91	8	T	-.1	T	T	5	10.9	221	53	22	7	0	0	0	0		
PRESCOTT	86	55	88	47	70	6	T	-.2	T	T	2	17.5	150	60	21	7	0	0	0	0		
TUCSON	97	70	100	67	83	5	T	-.3	T	.9	82	13.0	172	69	23	7	0	0	0	0		
YUMA	105	82	111	77	93	9	T	-.1	T	0	0	3.5	210	60	21	7	0	0	0	0		
AR FORT SMITH	78	56	87	46	67	-4	2.0	1.3	1.0	6.9	250	36.7	123	97	56	0	0	0	4	2		
LITTLE ROCK	76	59	88	49	67	-4	2.1	1.1	1.9	3.0	81	35.2	95	90	64	0	0	0	5	1		
CA BAKERSFIELD	94	63	103	57	79	3	.0	.0	.0	T	0	5.7	144	57	22	4	0	0	0	0		
EUREKA	65	52	71	49	59	2	.3	.0	.2	.3	38	15.6	67	93	70	0	0	2	0	0		
FRESNO	94	62	100	58	78	6	.0	-.1	.0	T	0	9.2	130	71	22	5	0	0	0	0		
LOS ANGELES	80	64	90	62	72	3	.0	.0	.0	0	0	11.9	140	94	56	1	0	0	0	0		
REDDING	93	61	101	55	77	3	.0	-.3	.0	0	0	20.2	77	56	16	4	0	0	0	0		
SACRAMENTO	90	58	96	52	74	4	.0	-.1	.0	0	0	10.1	92	80	22	4	0	0	0	0		
SAN DIEGO	82	66	91	62	74	4	.0	-.1	.0	0	0	10.0	156	94	52	1	0	0	0	0		
SAN FRANCISCO	76	56	90	54	66	3	.0	-.1	T	0	0	13.4	107	91	48	1	0	0	0	0		
CO DENVER	80	49	89	38	64	4	T	-.3	T	T	1	13.1	103	62	17	0	0	1	0	0		
GRAND JUNCTION	80	50	87	40	65	1	.2	-.1	.2	.3	54	6.6	115	63	21	0	0	1	0	0		
PUEBLO	81	43	93	36	62	-1	.1	.0	-.1	.7	99	10.1	110	72	21	1	0	2	0	0		
CT BRIDGEPORT	68	54	79	44	61	-2	1.1	.3	.5	5.3	186	34.9	98	92	51	0	0	2	1	1		
HARTFORD	68	46	80	36	57	-4	1.3	.4	.9	2.4	70	31.5	98	82	51	0	0	2	1	1		
DC WASHINGTON	72	58	88	47	65	-3	1.6	.9	1.1	3.3	118	27.9	94	87	58	0	0	2	1	1		
FL APALACHICOLA	85	70	89	67	77	0	4.1	2.3	3.0	5.6	73	46.0	103	99	65	3	0	0	3	2		
DAYTONA BEACH	89	72	92	70	80	2	2.0	.5	1.1	3.8	64	35.8	93	99	65	4	0	0	3	2		
JACKSONVILLE	87	71	94	69	79	2	3.4	2.0	2.3	6.5	115	51.5	120	87	65	1	0	5	0	0		
KEY WEST	88	79	90	76	83	1	.3	-.2	.2	5.2	96	29.2	102	87	63	2	0	5	0	0		
MIAMI	89	78	94	76	83	2	1.0	-.9	.3	6.4	92	40.0	89	91	61	5	0	6	2	1		
ORLANDO	91	74	93	73	82	2	3.3	1.9	1.6	6.9	122	43.9	105	98	61	4	0	2	1	1		
TALLAHASSEE	86	66	94	64	76	0	.7	-.7	.6	4.0	70	51.4	97	96	61	4	0	2	1	0		
TAMPA	91	74	92	72	83	3	.1	-.1	.1	3.0	54	29.4	74	97	56	7	0	1	0	0		
WEST PALM BEACH	89	76	90	75	82	1	.7	-.1	.5	5.2	65	42.1	93	92	64	2	0	4	1	1		
GA ATLANTA	77	64	88	52	71	0	1.5	.8	.8	7.4	268	39.7	104	97	68	2	0	3	1	1		
AUGUSTA	80	64	93	56	72	0	.7	-.1	.6	3.1	100	37.3	106	98	67	2	0	3	1	1		
MACON	81	64	92	57	72	-1	1.1	.4	.7	2.7	92	41.5	115	97	63	3	0	2	1	1		
SAVANNAH	84	67	93	60	75	1	1.0	.0	1.0	5.9	129	45.6	108	97	61	4	0	2	1	1		
HI HILO	85	70	88	68	78	2	.7	-.8	.4	16.8	297	73.6	82	93	65	0	0	5	0	0		
HONOLULU	88	72	90	71	80	0	T	-.2	T	2.0	410	8.8	60	85	51	1	0	0	0	0		
KAHULUI	87	73	92	70	80	2	T	-.1	T	1.0	459	8.8	71	85	56	1	0	1	1	0		
LIHUE	84	75	85	73	79	1	.3	-.3	.3	.7	39	17.5	62	82	66	0	0	1	0	0		
ID BOISE	79	51	95	43	65	5	.2	-.1	-.2	.3	59	4.5	56	65	23	1	0	1	0	0		
LEWISTON	77	53	92	47	65	5	.4	-.3	.4	.8	121	8.3	89	71	31	1	0	2	0	0		
POCATELLO	76	44	89	34	60	4	T	-.2	T	.1	15	4.8	61	65	22	0	0	0	0	1		
IL CHICAGO	67	47	74	40	57	-5	1.5	-.6	1.3	4.7	131	20.8	76	96	56	0	0	3	0	0		
MOLINE	68	45	73	37	57	-5	.5	-.3	.3	4.8	147	27.7	92	99	57	0	0	4	2	0		
PEORIA	69	49	76	39	59	-4	1.8	1.0	1.1	5.8	182	22.7	81	95	59	0	0	4	2	0		
QUINCY	69	49	74	40	59	-6	1.0	.0	.5	2.3	62	19.8	65	84	54	0	0	3	1	0		
ROCKFORD	67	46	71	37	56	-4	.8	.0	.5	5.4	168	22.6	77	95	58	0	0	2	0	0		
SPRINGFIELD	73	50	80	40	62	-3	.6	-.2	.4	1.6	56	19.5	72	96	53	0	0	3	1	0		
IN EVANSVILLE	74	55	83	43	64	-3	2.2	1.6	1.5	2.9	124	28.6	89	93	57	0	0	3	1	1		
FORT WAYNE	68	46	74	40	57	-5	2.2	1.7	2.0	5.7	258	31.0	117	93	52	0	0	4	2	0		
INDIANAPOLIS	70	51	77	43	60	-4	2.1	1.5	1.3	3.4	143	31.6	105	91	58	0	0	4	2	0		
SOUTH BEND	68	46	76	39	57	-5	2.3	1.5	1.2	8.7	314	27.4	95	94	54	0	0	3	2	0		
IA DES MOINES	67	49	71	43	58	-4	.4	-.2	.3	5.0	186	25.8	101	89	51	0	0	2	0	0		
SIOUX CITY	73	47	80	41	60	0	.3	-.2	.2	2.8	128	24.5	113	95	46	0	0	3	1	0		
WATERLOO	68	44	73	34	56	-3	.4	-.4	.2	2.2	74	23.0	84	94	53	0	0	2	0	0		
KS CONCORDIA	73	53	78	48	63	-2	1.6	1.0	1.1	2.9	111	33.0	142	88	46	0	0	3	1	0		
DODGE CITY	80	49	87	44	65	-1	.5	-.1	.3	.5	30	18.5	104	88	27	0	0	2	0	0		
GOODLAND	77	46	84	41	61	0	T	-.3	T	3.5	285	23.8	169	74	28	0	0	2	1	1		
TOPEKA	74	51	76	43	63	-3	1.7	1.0	1.6	3.3	111	26.6	98	97	51	0	0	2	1	1		
WICHITA	79	54	86	46	67	-1	1.5	.7	1.3	2.9	98	26.5	113	90	41	0	0	4	1	1		
KY BOWLING GREEN	74	56	86	47	65	-2	2.6	1.8	1.7	3.9	141	29.9	80	96	69	0	0	4	1	1		
LEXINGTON	74	53	83	44	63	-3	2.0	1.3	1.6	3.4	120	43.1	120	94	61	0	0	3	1	1		
LOUISVILLE	75	55	86	45	65	-2	1.2	.5	.7	3.5	120	33.4	100	92	60	0	0	4	1	1		
LA BATON ROUGE	83	69	93	60	76	0	.3	-.6	.3	1.5	38	56.2	128	98	69	2	0	2	0	0		
LAKE CHARLES	84	69	89	60	76	0	1.2	.0	.6	3.6	71	49.1	121	95	69	0	0	3	1	1		
NEW ORLEANS	81	72	90	69	77	0	3.4	2.1	2.4	6.6	128	60.6	129	94	74	1	0	5	2	1		
SHREVEPORT	82	64	92	53	73	-2	1.5	.7	1.3	5.2	179	36.8	111	90	56	2	0	3	1	1		

Based on 1951-80 normals.

Weather Data for the Week Ending September 26, 1992

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS								
	AVERAGE	MAXIMUM	MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1		TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	TEMP. °F		PRECIP.	
													90 AND ABOVE						32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME CARIBOU	63	38	71	32	51	0	.7	.0	.6	1.2	40	29.4	110	87	45	0	0	0	1	1	3	1
PORTLAND	63	42	68	33	53	-3	1.2	.5	.8	2.8	99	29.2	97	94	54	0	0	0	0	0	0	1
MD BALTIMORE	72	56	88	46	64	-2	3.1	2.4	2.5	5.8	192	27.9	88	92	58	0	0	0	0	0	0	1
SALISBURY	75	59	87	51	67	1	2.8	2.0	2.7	5.5	160	34.3	99	96	65	0	0	0	0	0	0	2
MA BOSTON	67	50	84	42	59	-3	1.7	.9	1.2	3.5	118	27.7	89	88	52	0	0	0	0	0	0	1
CHATHAM	63	54	69	51	59	-1	.8	-1.1	.6	2.0	62	28.9	87	90	69	0	0	0	0	0	0	1
MI ALPENA	64	37	69	30	50	-4	.3	-1.4	.2	1.9	69	18.2	81	97	54	0	0	0	0	0	0	0
DETROIT	66	46	74	38	56	-4	.6	.2	.4	5.4	280	28.5	121	92	52	0	0	0	0	0	0	0
FLINT	67	43	75	34	55	-4	.4	-1.1	.2	2.7	132	28.5	128	96	56	0	0	0	0	0	0	0
GRAND RAPIDS	66	42	70	35	54	-5	1.2	.5	.5	5.5	196	30.8	122	99	59	0	0	0	0	0	0	1
HOUGHTON LAKE	63	40	69	29	52	-3	.1	-1.5	.1	2.9	121	19.2	90	91	53	0	0	0	0	0	0	0
LANSING	67	40	74	32	53	-5	.7	-1.1	.5	3.1	119	26.5	116	100	55	0	0	0	0	0	0	0
MARQUETTE	62	40	70	26	51	0	.8	-1.1	.8	2.9	86	22.2	79	86	55	0	0	0	0	0	0	1
MUSKEGON	67	42	73	32	55	-4	1.0	.3	.5	3.4	133	18.1	80	97	54	0	0	0	0	0	0	1
SAULT ST. MARIE	61	42	66	30	52	0	.3	-1.6	.3	5.0	146	23.3	96	84	55	0	0	0	0	0	0	0
MN ALEXANDRIA	69	46	75	36	58	3	T	-1.5	T	1.3	64	16.6	81	80	37	0	0	0	0	0	0	0
DULUTH	65	42	72	31	54	2	.1	-1.6	.1	4.7	166	25.3	106	88	43	0	0	0	0	0	0	0
INT'L FALLS	67	42	78	30	55	4	T	-1.7	T	2.2	81	20.3	102	84	39	0	0	0	0	0	0	0
MINNEAPOLIS	68	47	76	41	58	0	.1	-1.5	.1	5.2	239	24.6	112	88	44	0	0	0	0	0	0	0
ROCHESTER	65	44	74	36	54	-2	T	-1.7	T	4.9	168	20.5	88	94	55	0	0	0	0	0	0	0
MS GREENWOOD	81	64	90	56	72	-1	1.9	1.1	.9	2.2	75	33.6	84	96	63	1	0	0	0	0	0	0
JACKSON	80	67	90	61	73	0	1.1	.3	.8	3.8	123	34.3	86	97	70	1	1	0	0	0	0	2
MERIDIAN	79	68	90	61	73	0	.1	-1.7	.1	5.9	29	46.8	113	88	65	1	1	0	0	0	0	0
MO CAPE GIRARDEAU	72	57	79	47	64	-1	2.3	1.5	1.8	5.4	161	28.3	82	94	63	0	0	0	0	0	0	0
COLUMBIA	71	50	76	39	60	-6	2.0	1.1	1.4	4.1	121	22.5	78	97	57	0	0	0	0	0	0	2
KANSAS CITY	70	51	73	45	61	-6	1.1	.1	.8	5.7	153	40.4	138	95	61	0	0	0	0	0	0	2
SAINT LOUIS	73	56	80	47	64	-2	.7	.1	.3	3.0	127	22.3	84	88	50	0	0	0	0	0	0	1
SPRINGFIELD	72	52	81	42	62	-5	3.1	2.1	2.5	7.4	199	33.9	111	92	56	0	0	0	0	0	0	0
MT BILLINGS	79	51	91	43	65	8	T	.3	T	.6	58	10.2	85	52	22	1	1	0	0	0	0	0
GLASGOW	75	46	95	38	60	6	.2	0	.1	4	51	7.6	79	70	26	0	0	0	0	0	0	0
GREAT FALLS	74	48	87	43	61	7	T	-1.2	T	.3	28	11.3	89	62	26	1	0	0	0	0	0	0
HAVRE	72	42	92	35	57	3	.1	-1.1	.1	2	21	6.4	64	77	30	0	0	0	0	0	0	0
HELENA	74	46	84	41	60	7	T	-1.2	T	.1	12	6.7	70	69	24	1	1	0	0	0	0	0
KALISPELL	68	42	80	34	55	5	.5	-1.3	.2	1.0	107	12.9	109	94	40	0	0	0	0	0	0	4
MILES CITY	79	49	98	43	64	7	T	-1.2	T	1.3	135	12.5	105	69	24	2	2	0	0	0	0	0
MISSOULA	71	43	86	38	57	5	.3	.1	.3	.7	82	9.3	92	87	31	0	0	0	0	0	0	0
NE GRAND ISLAND	77	49	79	40	63	1	.2	-1.3	.2	1.0	47	26.3	129	92	37	0	0	0	0	0	0	1
LINCOLN	74	49	81	44	62	-1	.3	-1.3	.1	2.6	101	21.7	93	93	44	0	0	0	0	0	0	0
NORFOLK	74	47	78	39	61	1	.3	-1.1	.3	2.9	158	23.7	114	90	42	0	0	0	0	0	0	3
NORTH PLATTE	79	44	83	35	61	2	.0	-1.4	.0	.3	17	21.6	125	86	32	0	0	0	0	0	0	1
OMAHA	70	52	75	46	61	-2	.3	-1.5	.2	4.6	150	28.9	112	83	53	0	0	0	0	0	0	0
SCOTTSBLUFF	81	45	92	37	63	4	T	-1.3	T	.2	17	13.0	103	78	18	1	1	0	0	0	0	0
VALENTINE	79	44	88	33	62	4	T	-1.3	T	.0	1.2	93	17.0	110	71	26	0	0	0	0	0	0
NV ELY	78	37	85	24	58	4	T	-1.2	T	.3	41	7.4	106	64	15	0	0	0	0	0	0	0
LAS VEGAS	97	71	101	60	84	7	.0	-1.1	.0	.0	0	6.9	230	30	13	6	0	0	0	0	0	0
RENO	83	47	91	36	65	7	.0	-1.1	.0	T	0	3.0	58	51	14	1	0	0	0	0	0	0
WINNEMUCCA	81	38	92	24	60	3	.0	-1.1	.0	.1	23	2.1	37	49	15	1	2	0	0	0	0	0
NH CONCORD	67	39	79	28	53	-3	1.0	.3	.7	2.5	92	21.6	83	98	48	0	0	0	0	0	0	0
NJ ATLANTIC CITY	72	54	84	44	63	-1	2.9	2.3	2.7	4.6	185	28.2	91	95	62	0	0	0	0	0	0	4
NM ALBUQUERQUE	82	52	87	44	67	0	.0	-1.2	.0	.8	110	9.1	148	67	22	0	0	0	0	0	0	0
CLOVIS	79	54	86	50	66	0	.0	-1.4	.0	1.2	73	19.3	138	68	25	0	0	0	0	0	0	0
ROSWELL	87	56	95	52	71	3	T	-1.4	T	.1	7	12.0	139	68	22	3	0	0	0	0	0	0
NY ALBANY	67	43	81	34	55	-3	.7	.0	.6	2.4	86	21.9	83	94	51	0	0	0	0	0	0	1
BINGHAMTON	62	41	73	32	52	-6	1.6	.8	.8	3.2	113	30.5	111	94	59	0	0	0	0	0	0	2
BUFFALO	66	45	71	35	56	-4	1.9	1.2	1.5	5.4	183	35.9	132	91	50	0	0	0	0	0	0	2
NEW YORK	71	56	82	46	63	-2	.8	.0	.4	2.3	76	25.3	80	87	56	0	0	0	0	0	0	3
ROCHESTER	64	44	71	35	54	-5	1.5	.9	.9	2.8	123	28.4	122	96	56	0	0	0	0	0	0	3
SYRACUSE	65	44	74	32	54	-5	1.8	1.1	.7	4.1	145	34.2	119	93	53	0	0	0	0	0	0	3
NC ASHEVILLE	71	58	81	48	65	0	.3	-1.5	.2	1.7	53	37.5	110	95	69	0	0	0	0	0	0	3
CHARLOTTE	73	61	86	52	67	-2	.2	-1.6	.2	3.6	116	34.4	102	91	68	0	0	0	0	0	0	0
GREENSBORO	70	57	84	47	64	-4	.4	-1.4	.4	2.4	77	31.2	95	96	72	0	0	0	0	0	0	2
HATTERAS	79	69	87	65	74	1	1.0	-1.3	.6	2.5	50	43.9	107	99	72	0	0	0	0	0	0	5
NEW BERN	80	64	90	56	72	1	.3	-1.9	.3	1.8	36	40.0	94	96	63	1	0	0	0	0	0	1
RALEIGH	73	60	86	51	67	-2	.6	-1.1	.4	2.2	77	31.9	98	97	72	0	0	0	0	0	0	0
WILMINGTON	81	65	91	58	73	0	T	-1.2	T	.8	16	50.1	116	94	65	1	0	0	0	0	0	0
ND BISMARCK	75	40	89	31	58	4	.2	-1.1	.2	1.3	107	11.1	83	83	29	0	0	0	0	0	0	0
FARGO	71	45	82	30	58	3	T	-1.4	T	2.6	156	17.9	108	80	37	0	0	0	0	0	0	0
GRAND FORKS	71	44	83	30	57	4	T	-1.4	T	1.5	81	15.3	98	83	37	0	0	0	0	0	0	0
WILLISTON	75	43	93	35	59	5	.1	-1.2	.1	.7	62	10.7	92	77	27	2	0	0	0	0	0	0
OH AKRON-CANTON	68	47	77	37	57	-4	2.5	1.9	2.2	3.7	145	35.8	128	93	58	0	0	0	0	0	0	3
CINCINNATI	71	51	82	43	61	-4	1.4	.8	1.0	3.2	128	30.7	99	94	59	0	0	0	0	0	0	1
CLEVELAND	69	49	77	40	59	-3	1.1	.4	1.0	3.3	128	35.4	131	89	53	0	0	0	0	0	0	3
COLUMBUS	71	50	81	43	61	-3	1.3	.7	.9	2.1	89	32.9	112									

Weather Data for the Week Ending September 26, 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 Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	68	44	73	37	56	4	1.8	1.2	1.6	3.9	179	27.2	112	97	52	0	0	4	1
YOUNGSTOWN	68	45	76	35	57	4	2.7	2.0	2.4	4.4	165	32.4	113	95	61	0	0	3	0
OK OKLAHOMA CITY	80	58	92	50	69	1	1.7	1.8	2.3	78	30.5	122	87	39	1	0	0	0	0
TULSA	79	58	88	49	69	1	1.7	1.4	1.5	70	29.9	98	90	44	0	0	2	1	
OR ASTORIA	64	54	74	46	59	2	1.6	1.7	2.7	100	28.5	69	95	79	0	0	0	0	
BURNS	76	37	91	25	57	1	1.1	1.1	1.1	37	6.2	94	74	22	1	1	1	0	
MEDFORD	86	50	98	45	68	4	1.1	1.2	1.1	10	7.5	65	81	25	3	0	0	0	
PRNDLETON	77	53	87	47	65	5	1.2	1.1	1.3	66	5.4	68	76	35	0	0	0	0	
PORTLAND	73	55	86	52	64	4	1.6	1.2	1.3	1.1	83	16.7	75	99	66	0	0	0	0
SALEM	76	53	88	48	64	4	1.6	1.1	1.4	7	53	17.2	72	91	50	0	0	0	0
PA ALLENTOWN	69	49	84	39	59	3	1.8	1.9	1.9	3.3	95	28.4	86	90	57	0	0	0	0
ERIE	67	50	75	39	59	1	2.0	1.1	1.7	6.7	194	31.2	108	84	55	0	0	0	0
HARRISBURG	67	55	83	41	61	3	3.3	2.5	3.3	5.6	180	24.3	82	83	58	0	0	0	0
PHILADELPHIA	72	57	87	47	64	1	1.8	1.1	1.3	2.9	97	21.2	68	88	48	0	0	0	0
PITTSBURGH	70	47	81	38	59	3	1.9	1.3	1.7	2.7	112	28.8	101	92	53	0	0	0	0
SCRANTON	68	46	80	35	57	3	1.8	1.1	1.3	2.6	94	21.2	81	91	56	0	0	0	0
RI PROVIDENCE	68	50	77	43	59	0	2.6	1.8	1.9	5.1	166	34.0	105	92	58	0	0	0	0
SC CHARLESTON	82	66	92	59	74	0	1.7	1.3	1.4	3.0	70	41.8	98	96	66	2	0	0	0
COLUMBIA	78	63	92	53	71	2	1.0	1.1	1.8	3.6	97	37.5	93	95	65	2	0	0	0
FLORENCE	80	64	91	56	72	2	1.4	1.4	1.4	4.1	115	36.6	101	93	64	1	0	0	0
GREENVILLE	74	60	85	50	67	2	1.5	1.4	1.8	2.7	66	39.7	99	97	72	0	0	0	0
SD ABERDEEN	76	45	84	33	61	5	1.1	1.3	1.7	1.7	128	14.7	95	83	32	0	0	0	0
HURON	74	46	83	36	60	3	1.1	1.2	1.1	2.6	220	20.8	132	83	40	0	0	0	0
RAPID CITY	83	49	97	40	66	8	1.1	1.2	1.1	4	47	11.9	83	57	17	2	0	0	0
SIoux FALLS	73	47	78	37	60	2	1.1	1.5	1.1	3.1	126	27.9	136	86	41	0	0	0	0
TN CHATTANOOGA	76	62	84	53	69	1	1.6	1.6	1.8	4.5	119	39.7	99	97	69	0	0	0	0
KNOXVILLE	77	61	86	53	69	0	1.6	1.1	1.3	1.5	56	29.9	84	97	66	0	0	0	0
MEMPHIS	77	62	89	53	69	0	3.1	2.3	2.6	3.7	116	35.2	89	92	65	0	0	0	0
NASHVILLE	75	60	87	51	68	2	1.3	1.5	1.7	3.4	103	30.8	83	92	68	0	0	0	0
TX ABILENE	85	61	93	50	73	0	1.1	1.6	1.1	1.8	68	23.1	125	77	33	2	0	0	0
AMARILLO	83	51	93	46	67	0	1.0	1.3	1.0	2	11	19.0	116	77	22	1	0	0	0
AUSTIN	87	67	97	55	78	1	1.8	1.1	1.8	2.0	64	37.6	161	85	38	4	0	0	0
BEAUMONT	84	68	91	59	77	0	1.3	1.8	1.3	2.1	44	48.9	117	94	66	2	0	0	0
BROWNSVILLE	89	73	93	71	81	1	1.3	1.0	1.3	3.5	77	24.4	131	95	59	4	0	0	0
CORPUS CHRISTI	90	71	95	67	81	1	1.7	1.2	1.5	4.1	70	34.8	139	93	53	4	0	0	0
DEL RIO	92	68	100	62	80	2	1.4	1.3	1.4	4	17	18.6	140	75	33	5	0	0	0
EL PASO	88	62	92	56	75	2	1.1	1.3	1.4	2	12	9.5	157	59	21	2	0	0	0
FORT WORTH	85	64	95	53	75	1	1.9	1.0	1.9	3.3	110	31.4	131	86	40	2	0	0	0
GALVESTON	84	75	93	65	79	1	1.3	1.1	1.3	4.2	78	40.5	132	84	63	1	0	0	0
HOUSTON	87	67	93	58	77	0	1.2	1.2	1.1	1.1	24	41.9	121	93	54	3	0	0	0
LUBBOCK	85	54	92	49	70	1	1.1	1.5	1.7	7	39	19.6	135	81	24	3	0	0	0
MIDLAND	87	58	94	49	72	0	1.1	1.3	1.1	2	9	20.1	185	84	27	3	0	0	0
SAN ANGELO	88	64	98	57	76	2	1.0	1.7	1.0	3	10	18.0	128	75	31	3	0	0	0
SAN ANTONIO	91	69	97	55	80	3	1.1	1.9	1.1	1.1	33	39.9	182	81	37	4	0	0	0
VICTORIA	91	70	97	62	80	2	2.6	1.2	2.6	3.6	66	44.2	155	94	48	4	0	0	0
WACO	90	64	98	50	77	0	1.1	1.7	1.1	2.2	81	29.8	128	86	37	3	0	0	0
WICHITA FALLS	85	58	97	49	71	2	1.8	1.0	1.8	1.7	57	22.0	105	89	34	2	0	0	0
UT CEDAR CITY	80	46	85	34	63	2	1.0	1.2	1.0	2	23	8.6	110	60	18	0	0	0	0
SALT LAKE CITY	80	51	92	40	66	4	1.1	1.2	1.1	5	64	7.5	66	69	22	2	0	0	0
VT BURLINGTON	65	41	74	31	53	3	2.5	1.8	2.4	4.7	168	23.2	92	98	53	0	1	3	1
VA NORFOLK	76	65	88	59	71	1	1.4	1.5	1.3	2.0	53	37.0	105	94	65	0	0	0	0
RICHMOND	75	58	90	47	66	1	1.1	1.7	1.0	2.0	66	34.0	103	95	60	1	0	0	0
ROANOKE	70	56	85	45	63	2	1.1	1.6	1.1	1.2	45	32.0	108	92	61	0	0	0	0
WA QUILLAYUTE	64	51	73	43	58	2	3.7	2.0	1.8	5.3	103	57.6	89	99	72	0	0	0	0
SEATTLE-TACOMA	67	55	74	50	61	3	1.8	1.3	1.6	1.2	68	20.8	91	95	64	0	0	0	0
SPOKANE	73	49	83	43	61	4	1.1	1.1	1.1	4	59	8.6	79	86	36	0	0	0	0
YAKIMA	77	47	86	42	62	4	1.1	1.1	1.1	2	58	4.2	82	86	37	0	0	0	0
WV BECKLEY	71	51	79	41	61	1	1.3	1.6	1.1	1.1	34	30.1	91	94	58	0	0	0	0
CHARLESTON	77	51	87	40	64	1	1.4	1.3	1.3	1.9	34	32.0	96	96	52	0	0	0	0
HUNTINGTON	76	52	86	44	64	2	1.4	1.2	1.1	1.1	42	30.3	94	95	54	0	0	0	0
PARKERSBURG	74	50	84	41	62	3	1.1	1.5	1.5	2.1	84	28.4	95	96	55	0	0	0	0
WI GREEN BAY	66	45	72	32	55	1	1.5	1.5	1.5	5.5	201	21.8	98	94	53	0	1	1	0
LACROSSE	65	47	71	38	56	2	1.3	1.5	1.2	6.6	217	25.8	103	91	52	0	0	0	0
MADISON	66	45	70	34	56	2	1.9	1.3	1.7	6.0	226	23.9	96	91	55	0	0	0	0
MILWAUKEE	64	48	68	40	56	3	1.8	1.2	1.4	4.1	165	24.7	102	93	59	0	0	0	0
WAUSAU	63	43	68	31	53	2	1.0	1.2	1.0	8.5	250	26.4	102	95	54	0	1	1	1
WY CASPER	79	45	90	36	62	7	1.2	1.1	1.1	3	45	7.4	81	65	17	1	0	0	0
CHEYENNE	73	45	85	39	59	4	1.1	1.2	1.1	1	10.3	89	60	19	0	0	0	0	0
LANDER	76	46	87	33	61	6	1.1	1.2	1.1	1	10.3	99	52	18	0	0	0	0	0
SHERIDAN	79	46	94	36	62	8	1.1	1.2	1.1	5	47	11.6	95	69	21	1	0	1	0

Based on 1951-80 normals.

## National Agricultural Summary

September 21 - 27, 1992

**HIGHLIGHTS:** Frost occurred in several areas from the northern Great Plains to New England. Damage to field crops appears to have been limited, while the vegetable season ended in many areas. Heavy rains across much of the East limited harvest activity.

**SMALL GRAINS:** Mostly dry weather in the central and northern Great Plains allowed winter wheat seeding to progress well. Seeding advanced to 46 percent (%) complete for the 19 major producing States, compared with 42% last year and 43% for the 5-year average. Winter wheat harvest was virtually completed in Montana. Spring wheat harvest also progressed well, reaching 91% complete in the five major States, although harvest was complete at this time for both last year and the average. Harvest was completed in Idaho and South Dakota, and nearing completion in Minnesota, Montana, and North Dakota. Harvesting of barley and oats continued, though near completion, from Montana to Minnesota, while seeding of winter varieties gained momentum.

**CORN:** Rain from the eastern Corn Belt southward and from eastern Texas eastward slowed corn harvest. Harvest was only 7% complete in the 17 major States, compared with 33% last year and 22% average. Harvest was just beginning in many of the Northern States and had yet to begin in Colorado, South Dakota, and Wisconsin. Forty-four percent of the crop had fully matured, 46 percentage points behind last year and 38 points behind the average. Denting advanced to 90% of the acreage, 99% last year and 98% average. Frost damage due to frigid weather early in the week appears to be limited and confined only to the northernmost producing areas. Crop condition ratings remained predominately good.

**SOYBEANS:** Seasonal cooling and shortening of daylight hours, as well as overcast skies, accelerated leaf drop in soybeans. Leaves were dropping on 64% of the acreage in the 19 major producing States, up sharply from last week's 39% and only 3 points behind the historic average. Harvest was underway between rains in the Delta and middle Mississippi Valley. Harvest was 8% complete in the 19 major States, compared with 20% last year and 15% average. Crop condition remained fair in Louisiana and Minnesota, and good in the other major States.

**COTTON:** Above-normal temperatures advanced crop maturity in the Southwest, while rain and cooler temperatures limited progress in the East. Bolls were opening on 55% of the acreage in the 14 major producing States, 10 points behind both last year and the historic average. Crop development was behind schedule in the southern Plains and Southeast. Picking was advancing, as weather conditions permitted, in the southernmost States.

**GRAIN SORGHUM:** Although near-normal temperatures helped development in the Great Plains, the crop was still well behind last year and average. Only 42% of the crop was rated mature, compared to 71% last year and 66% average. Coloring was 80% complete, compared with 94% last year and average. Harvest continued in Texas, neared completion in the South, and just began in Nebraska and Kansas.

In the 12 major States, harvest was 28% complete, compared with 40% last year and 32% average. Crop condition improved slightly from last week.

**RICE:** Rice harvest remained ahead of last year's pace with 70% of the acreage harvested, compared with 59% last year and 60% average. Harvest was virtually complete in Texas. Rainy conditions in Louisiana prevented completion of the harvest.

**OTHER FIELD CROPS:** Fall potato harvest advanced from Washington to Maine. Harvest progress was generally behind last year's pace but on par with the average. Dry bean harvest continued active in the North Central and Northwestern States, with progress equal to average but lagged behind last year's pace. Peanut harvest continued in the South, and started in Oklahoma and the Low Plains and Cross Timber areas of Texas. The Florida harvest was delayed by rainy weather. Sunflower harvest continued in Texas. Sugar beet harvest started in the North Central region, with about 10% of the acreage lifted. Flax was being harvested in Minnesota and the Dakotas, with progress well behind normal. Tobacco harvest was winding down in the Mid-Atlantic region. Safflower harvest neared completion in California.

**FRUIT AND NUTS:** Lemon harvest was active in western Arizona and the California desert. Apple picking was active nationwide. Pistachios were being picked in Arizona. Peach harvest remained active in the northeast. Cranberry harvest was gaining momentum in Oregon, New Jersey, and Massachusetts. Raisin, juice, wine, and table grape harvests continued in California. Almond, walnut, and pistachio picking was active in California, and hazelnut harvest was underway in Oregon.

**VEGETABLES:** Melon harvest was active in central Arizona and along the Rio Grande Valley. Sweet corn harvest for processing use was nearing completion in the Northern States. Vegetables in Florida, were in good condition, while the Louisiana and Georgia crops were mostly fair to good. Frost in New York ended the growing season for their vegetables. Cabbage harvest was active in New Jersey, New York, and Texas. Chile pepper harvest was active in Arizona, New Mexico, and Texas. Egg plant was harvested in New Jersey and Florida. Planting of fall broccoli and cauliflower continued in the Central Valley and Blithe areas of California. Heavy leafminer infestation persisted in fall fields in California's Westside area.

**PASTURES AND LIVESTOCK:** Precipitation across the eastern half of the nation continued to keep pastures in good condition. Pastures in the western half of the country continued to suffer from lack of moisture. Supplemental feeding continued in the West. Livestock was generally in good condition nationwide.

### Crop Progress

for the Week Ending September 27, 1992

#### GRAIN SORGHUM (Percent Coloring)

	Current	Last Wk	1991	Avg.
AR	100	100	92	96
CO	61	56	81	81
IL	93	90	96	92
KS	70	55	90	90
LA	100	100	100	100
MS	100	100	100	100
MO	93	90	96	93
NE	88	68	100	98
NM	89	60	94	NA
OK	91	83	98	99
SD	55	39	100	98
TX	86	82	94	96
12 States	80	70	94	NA
Excl. States with NA	80	70	94	94

NA - not available.

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

#### GRAIN SORGHUM (Percent Mature)

	Current	Last Wk	1991	Avg.
AR	94	90	84	87
CO	25	13	35	30
IL	50	38	74	72
KS	15	10	50	45
LA	100	99	92	96
MS	100	95	88	91
MO	66	55	70	67
NE	15	4	94	81
NM	7	5	11	NA
OK	19	18	28	47
SD	22	12	92	81
TX	76	72	84	79
12 States	41	35	70	NA
Excl. States with NA	42	36	71	66

NA - not available.

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

#### GRAIN SORGHUM (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	78	66	62	68
CO	0	0	5	4
IL	3	2	35	26
KS	2	1	20	10
LA	94	89	81	86
MS	80	63	61	73
MO	22	17	33	31
NE	5	0	30	15
NM	0	0	0	NA
OK	6	5	6	7
SD	70	0	22	16
TX	70	68	74	65
12 States	28	25	40	NA
Excl. States with NA	28	25	40	32

NA - not available.

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

#### CORN (Percent Dented)

	Current	Last Wk	1991	Avg.
CO	83	75	82	91
GA	100	100	100	100
IL	93	80	100	99
IN	99	91	100	98
IA	94	76	100	100
KS	95	90	100	99
KY	98	96	99	93
MI	60	25	98	90
MN	91	70	99	99
MO	100	96	100	100
NE	96	89	100	100
NC	100	98	100	100
OH	95	85	100	98
PA	58	45	87	72
SD	77	58	100	100
TX	98	96	100	100
WI	65	40	92	92
17 States	90	76	99	98

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

#### CORN (Percent Mature)

	Current	Last Wk	1991	Avg.
CO	32	16	46	49
GA	100	100	100	100
IL	46	25	100	89
IN	49	29	97	78
IA	59	36	91	95
KS	80	75	96	90
KY	77	75	88	75
MI	5	2	80	50
MN	20	8	80	84
MO	80	59	95	92
NE	37	18	96	88
NC	96	92	98	97
OH	25	15	78	50
PA	8	4	48	26
SD	25	18	94	88
TX	86	82	91	96
WI	17	7	84	65
17 States	44	28	90	82

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

#### CORN (Percent Harvested)

	Current	Last Wk	1991	Avg.
CO	0	0	4	4
GA	81	74	93	91
IL	4	3	63	32
IN	5	3	42	20
IA	3	2	18	19
KS	30	20	60	40
KY	20	15	47	32
MI	1	0	10	5
MN	0	0	7	10
MO	19	14	54	40
NE	3	0	25	15
NC	47	34	65	49
OH	1	1	26	15
PA	1	0	10	4
SD	0	0	31	15
TX	73	64	73	80
WI	0	0	9	6
17 States	7	5	33	22

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

#### WINTER WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	5	0	5	1
CA	0	0	0	0
CO	82	57	54	61
GA	2	2	6	3
ID	49	31	34	37
IL	3	1	10	8
IN	8	4	17	15
KS	45	30	45	45
KY	20	15	35	30
MO	6	4	11	13
MT	58	24	68	66
NE	86	64	80	78
NC	11	4	8	6
OH	3	1	12	13
OK	49	37	45	40
OR	24	17	26	22
SD	86	64	86	83
TX	49	32	37	46
WA	77	67	52	60
19 States	46	32	42	43

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

#### SOYBEANS (Percent Dropping Leaves)

	Current	Last Wk	1991	Avg.
AL	25	17	22	34
AR	19	10	13	14
GA	37	24	60	47
IL	77	56	89	79
IN	79	52	95	73
IA	72	38	80	85
KS	75	60	80	65
KY	37	30	41	39
LA	55	33	19	35
MI	50	15	90	70
MN	80	42	87	94
MS	47	38	26	38
MO	63	44	55	53
NE	62	27	96	82
NC	21	13	25	16
OH	80	40	100	65
SC	10	2	13	9
SD	56	27	100	97
TN	30	21	25	38
19 States	64	39	73	67

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

#### SOYBEANS (Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	0	NA	3	7
AR	6	NA	2	1
GA	0	NA	1	2
IL	18	NA	41	28
IN	9	NA	34	22
IA	5	NA	14	18
KS	10	NA	25	10
KY	3	NA	3	4
LA	16	NA	2	9
MI	0	NA	10	4
MN	4	NA	15	24
MS	9	NA	4	7
MO	5	NA	9	10
NE	10	NA	32	17
NC	0	NA	0	0
OH	3	NA	29	6
SC	0	NA	0	0
SD	0	NA	43	25
TN	0	NA	0	0
19 States	8	NA	20	15

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

**COTTON**  
(Percent Bolls Opening)

	Current	Last Wk	1991	Avg.
AL	55	42	77	85
AZ	98	97	88	94
AR	65	55	70	78
CA	100	100	90	94
GA	52	49	75	78
LA	96	92	80	91
MS	90	82	86	91
MO	47	37	83	81
NM	56	39	50	67
NC	57	40	94	87
OK	25	23	33	41
SC	80	76	86	80
TN	75	56	78	81
TX	31	26	48	43
14 States	55	49	65	65

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

**COTTON**  
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	3	NA	17	28
AZ	22	NA	9	8
AR	6	NA	15	17
CA	5	NA	0	1
GA	2	NA	8	16
LA	16	NA	14	30
MS	9	NA	18	28
MO	1	NA	22	22
NM	0	NA	0	0
NC	0	NA	10	8
OK	0	NA	0	1
SC	3	NA	10	10
TN	2	NA	15	18
TX	21	NA	20	17
14 States	13	NA	15	17

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

**RICE**  
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	65	53	54	52
CA	35	15	10	9
LA	91	89	90	91
MS	68	52	38	59
TX	98	80	99	99
5 States	70	58	59	60

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

**SPRING WHEAT**  
(Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	100	99	96	99
MN	83	71	100	100
MT	85	75	98	98
ND	93	74	100	100
SD	100	97	100	100
5 States	91	77	100	100

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

**Crop Condition**  
(Percent)

for the Week Ending September 27, 1992

**CORN**

State	VP	P	F	G	EX
CO	1	5	16	65	13
GA	0	1	1	78	20
IL	0	0	6	86	8
IN	0	0	17	74	9
IA	0	0	7	72	21
KS	0	0	12	27	61
KY	0	0	3	51	46
MI	5	10	20	50	15
MN	8	11	40	40	1
MO	0	0	10	67	23
NE	1	9	8	57	25
NC	0	3	29	60	8
OH	1	5	23	47	24
PA	1	5	21	48	25
SD	0	2	22	55	21
TX	0	3	14	64	19
WI	2	3	35	57	3
17 State	1	3	16	63	17
Prev Week	1	3	18	62	16
Prev Year	4	10	34	44	8

**SOYBEANS**

State	VP	P	F	G	EX
AL	0	0	13	55	32
AR	0	0	15	56	29
GA	0	0	9	88	3
IL	0	0	12	78	10
IN	0	2	17	76	5
IA	0	0	13	72	15
KS	0	0	7	40	53
KY	0	0	22	75	3
LA	0	6	60	34	0
MI	4	11	25	40	20
MN	8	12	49	31	0
MS	0	1	13	81	5
MO	0	0	14	77	9
NE	1	3	6	62	28
NC	0	4	36	57	3
OH	3	7	31	42	17
SC	0	1	47	52	0
SD	0	3	27	56	14
TN	0	0	12	70	18
19 State	1	3	20	63	13
Prev Week	1	3	23	62	11
Prev Year	3	12	42	39	4

**COTTON**

State	VP	P	F	G	EX
AL	0	0	19	81	0
AZ	0	0	30	57	13
AR	0	0	48	52	0
CA	0	0	0	60	40
GA	0	0	24	69	7
LA	0	13	60	27	0
MS	2	7	55	36	0
MO	0	0	45	55	0
NM	0	14	29	57	0
NC	0	9	47	42	2
OK	1	7	44	48	0
SC	0	0	88	12	0
TN	0	4	22	74	0
TX	2	5	68	24	1
14 State	1	5	52	38	4
Prev Week	0	8	49	38	5
Prev Year	0	5	34	55	6

**GRAIN SORGHUM**

State	VP	P	F	G	EX
AR	0	0	2	71	27
CO	1	6	18	57	18
IL	0	0	17	75	8
KS	0	0	18	39	43
LA	2	13	39	46	0
MS	0	1	30	66	3
MO	0	0	11	71	18
NE	0	2	16	65	17
NM	0	0	2	98	0
OK	0	0	1	94	5
SD	0	5	32	54	9
TX	0	3	19	66	12
12 State	0	2	18	58	22
Prev Week	0	3	20	57	20
Prev Year	10	13	34	37	6

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 0.02 to 3.76 in. north, 0.10 to 2.41 in. central, 0.13 to 1.46 south. Temperatures 3° below normal to 1° above normal north, 4° below normal to 1° above normal central, 4° below normal to at normal south; Lows 54 to 60° north; 55 to 62° central; 57 to 64° south. Highs 84 to 90° north; 85 to 91° central; 87 to 92° south.

Days suitable for fieldwork 5.1. Soil moisture 25% short, 61% adequate, 14% surplus. Dry conditions allowed crop progress, harvest to catch up. Corn 65% harvested, 86% 1991, 87% avg. Sorghum 35% harvested, 54% 1991, 58% avg.; 24% fair, 58% good, 18% excellent. Peanuts 53% dug, 65% 1991, 58% avg.; 39% combined, 54% 1991, 46% avg.; 43% fair, 56% good, 1% excellent. Pasture 14% fair, 64% good, 22% excellent. Livestock 3% fair, 84% good, 13% excellent. Primary activities: Scouting fields for insects, diseases; harvesting vegetables, hay, corn, sorghum, peanuts, cotton; plowing fields for small grain seeding; planting small grains, marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

**ALASKA:** Unusually early, cold temperatures continued throughout the Railbelt. Tanana Valley had significant snowcover, harvest activities were abandoned for the year. Matanuska valley farmers continued harvest of hay, small grains, potatoes. Frozen ground or snowcover will limit further harvest this year's crop. Highs and lows 7 to 21° below normal. Seasonal precipitation 3.60 in. drier than normal at Homer to 1.20 in. wetter than normal at Clearwater.

Topsoil, subsoil 70% adequate, 30% surplus. Barley 85% harvested. Oats 30% harvested. Second crop hay 60% complete. Commercial potato harvest 70% complete. Winter hay availability mostly short to adequate.

**ARIZONA:** Sunny, warmer during the period. Scattered showers 20th, southeast. Temperatures normal to 8° above normal. Extremes 34°; 92° higher elevations, 51°; 110° deserts.

Cotton bolls opening 98%, 88% 1991, 94% avg.; harvested 22%, 9%, 8% avg.; 30% fair, 57% good, 13% excellent; insects moderate to severe, central, severe, west; light to moderate, east; weeds light to moderate. Activities included insect monitoring, pesticide applications, irrigating, statewide; defoliating: active west, central, moderate to active south central; harvesting, west, central. Alfalfa good; weeds, insects light; harvest, moderate to active. Lemon harvest, west. Cantaloupes, watermelons, honeydews, green onions harvested, central. Apples, pistachio, squash, garlic, east. Chili peppers harvested central, east.

**ARKANSAS:** Temperatures below normal, widespread showers, thunderstorms, first of week. Temperatures 37°; 90°. Rainfall 0.15 to 5.01 in.

Days suitable for fieldwork 5. Soil moisture supplies 8% short, 80% adequate, 12% surplus. Main farming activities: defoliating cotton, applying herbicide to soybeans, irrigating soybeans, wheat seedbed preparation, harvesting cotton, milo, corn, rice, hay, planting wheat,

pasture weed control, fall forage planting, working cattle. Cotton harvest underway. Maturity remained behind schedule. Cotton gins beginning to run. Soybean harvest gaining momentum. Rainfall during the week helped fill out pods in northeast, east central. Sudden death syndrome reported in southwest. Rice harvest progressed at a steady pace. Yields reported mostly good. Grain sorghum harvest continued. Corn harvest winding down. Corn 2% fair, 57% good, 41% excellent; harvested 82%, 90% 1991, 90% avg. Livestock good. Flies a problem in west central, north central. Pastures mostly good. Pastures were supplying average forage for herds. Hay harvest continued.

**CALIFORNIA:** Strong high pressure over State beginning of the week. An upper level low pressure system moved through 24th bringing cooler temperatures. Small amount precipitation reported along northwest coast.

Open weather permitted good progress field activities. Rice harvest gathered momentum. Cotton harvest nearing completion desert areas; growers salvaged remaining bolls following whitefly infestations. San Joaquin Valley harvest picked up steam, defoliation active. Alfalfa green chopped, treated worms. Planting next years sugarbeets. Alfalfa seed, safflower harvests winding down. Harvested fields disced, leveled, preparation small grain, forage crop seedings. Grain corn, silage corn, dry beans, sugarbeets harvested. Alfalfa hay harvest normal. Raisin, juice, wine, table grape harvests progressed. Rolling, binning raisins. Late variety stone fruit harvested. Almond, walnut harvests progressed. Pistachio harvest picked up. Olives, persimmons harvested. Pomegranates packed. Sonoma apple harvest 85% complete; Granny Smith's not yet released. Fresno Granny, Fuji apples harvested. Harvest desert lemons continued. Harvests grapefruits, avocados western half Riverside County. Valencia oranges packed slow rate. Navel oranges sized. Strawberry harvest underway Westside area. Picking light central coast, some production diverted to processors. Broccoli moderate, cauliflower moderate to fairly light; variable quality central coast. Planting fall broccoli, cauliflower on going central valley, Blythe area. Carrots light central district. Celery fairly heavy, good quality Salinas-Watsonville; moderate, variable quality Santa Maria. Iceberg lettuce central coast moderate, variable quality. Heavy leafminer infestation persisted fall fields Westside area. Leaf, Romaine lettuce moderate, variable quality Salinas-Watsonville. Summer melon harvest nearing completion some central valley areas, desert fall crop made good progress. Summer onion digging active central, southern districts. Sweet potato movement steady central valley. Processing tomato harvest finished some areas. Fresh market tomato growers Westside area sustained treatment fall fields leafminers and pinworms, summer harvest continued. Other vegetables harvested: beans, cucumbers, peas, peppers, various oriental vegetables. Range, pasture conditions declined overall: fair-poor mid-central, good northwest, mostly fair north central, very poor northeast,

scattered north central, fair-poor south central, southern. Many pastures still irrigated. Water supplies short, some watering holes completely dry. Supplementary feeding continued. Cattle in good shape.

**COLORADO:** Rainfall limited to scattered showers with 0.25 in. or less. Warmer than normal temperatures east, dry, cooler temperatures west of the Divide. Temperatures 3 to 6° above normal in the east, 4 to 6° below normal west, in the San Luis Valley.

Days suitable for fieldwork 6.4. Soil moisture 7% very short, 38% short, 54% adequate, 1% surplus. Alfalfa 3rd cutting 60%, 62% 1991, 63% avg. Fourth cutting alfalfa 11% Complete. Oats harvested 95%, 89% 1991, 92% avg. Spring wheat harvested 91%, 65% 1991, 81% avg. Sorghum turning color 61%, 81% 1991, 81% avg.; mature 25%, 35% 1991, 30% avg. Dry beans harvested 53%, 53% 1991, 47% avg. Dry onions harvested 72%, 74% 1991, 63% avg. Corn dent stage 83%, 82% 1991, 91% avg.; mature stage 32%, 46% 1991, 49% avg.; silage harvested 58%, 73% 1991, 68% avg.; 1% very poor, 5% poor, 16% fair, 65% good, 13% excellent. Fall potatoes harvested 50%, 20% 1991, 22% avg. Winter Wheat seeded 82%, 54% 1991, 61% avg.; emerged 49%. Livestock mostly good. Pasture, range feed excellent.

**FLORIDA:** Temperatures 1 to 2° below normal Panhandle, 1 to 2° above normal elsewhere. Highs; low, middle 90s. Lows; lower 60s Panhandle, Big Bend, around 70s elsewhere, except low, middle 70s lower southeast coast. Rain reported on 1 to 5 days during week. Rainfall; many areas reported under 0.50 in. but local areas received 1.00 to 2.00 in.

Soil moisture mostly adequate to surplus throughout State. Wet weather delayed start of cotton harvest. Peanut harvest slowed by wet weather. Tobacco marketing winding down. Sugarcane planting active. Haymaking active. Cotton, soybeans, sugarcane making good progress. Tree condition excellent. Recent rains beneficial, moisture adequate. Abundant new growth, good fruit sizes, droppage about normal, some loss from splitting. Fruit testing for early harvest continues, red to white grapefruit, K-Early citrus fruit. Navel oranges have been shipped. Caretakers cutting cover crops, spraying, fertilizing, planting new trees. Crop condition good all major vegetable production areas. Soil moisture adequate to excessive. Rain hampered some fieldwork central, south. Planting, tending of growing crops very active. Harvesting snap beans, eggplant. State's pastures fair to excellent. Pasture 24% fair, 52% good, 24% excellent. Moisture levels mostly adequate to surplus. State's cattle herds mostly good.

**GEORGIA:** Wet week much of State. Several reports of 1.00 to 3.00 in., isolated 5.00 in. Exception southeast under 0.50 in. Temperatures couple degrees cooler than normal, except couple degrees above southeast. Warmest early-week; maximums from low 80s in northeast mountains to low to mid 90s south. Coolest varied near 50° mountains to low to mid 60s southern counties.

Days suitable for fieldwork 4.8. Soil moisture 4% very short, 27% short, 50% adequate, 19% surplus. Corn harvest slowed by showers. Sorghum 10% fair, 90% good; 42% harvested for grain, 60% 1991, 56% avg. Peanuts 17% fair, 83% good; 52% dug, 70% 1991, 66% avg.; 35% threshed, 54% 1991, 50% avg. Wheat 24% fair, 76% good. Seeding of other small grains behind average. Vegetables 6% poor, 42% fair, 52% good. Apples

1% poor, 18% fair, 81% good; 61% harvested, 78% 1991, 74% avg. Pecans 8% very poor, 24% poor, 60% fair, 8% good. Hay, pastures good. Cattle, hogs good. Other activities included mowing pastures, harvesting hay between showers, preparing seedbeds for small grains, harvesting fall vegetables, routine farm chores.

**HAWAII:** Warm, humid weather returned to the State. Light trade winds caused daytime temperatures to climb to the low 90s with evening temperatures cooling to high 60s. Rain fell in windward areas, higher elevations. Winds 5 to 25 mph. Rainfall none to 4.10 in.

Days suitable for fieldwork 7.0. Favorable weather benefited crop progress, cleanup efforts stemming from Hurricane Iniki's destruction. Banana and papaya production lower. Watermelon season completed. Recent rains aided pastures major grazing areas.

**IDAHO:** Temperatures 0 to 6° above normal. Precipitation fell across the State with the greatest amount falling in Sandpoint which received 1.38 in.

Days suitable for fieldwork 7. Soil moisture 39% very short, 23% short, 38% adequate. Winter wheat emerged 20%, 10% 1991, 13% avg. Oats harvested 100% Potatoes 51% harvested; good. Third cutting alfalfa 87%, 59% 1991, 74% avg. Sugarbeet harvested 16%, 10% 1991, 10% avg. Dry bean harvest 67%, 59% 1991, 76% avg. Onion harvest 90%, 61% 1991, 69% avg. Field corn for silage 82%, for grain 9%. Sweet corn for processing 96% harvested. Apple harvest 60%, 21% 1991, 24% avg. Hops harvest 100%, 94% 1991, 93% avg. Irrigation water supplies 36% very poor, 16% poor, 22% fair, 26% good. Activities: 3rd cuttings of alfalfa, harvesting of sugarbeets, onions, dry beans, potatoes. Pasture, range condition 45% of normal. Livestock good.

**ILLINOIS:** After the passage of an early-week cold front, cool, dry weather dominated. Light to moderate rain, 0.25 to 1.50 in., was followed by cooler weather later in the week. Temperatures low 50s to upper 60s across the State, which were 3 to 5° below normal.

Days suitable for fieldwork 4.25. Soil moisture 12% short, 78% adequate, 10% surplus. Soybeans turning yellow 95%, 97% 1991, 93% avg. Corn dough stage 99%, 100% 1991, 100% avg. Alfalfa third cutting 91%, 98% 1991, 98% avg. Pasture 87% of normal.

**INDIANA:** Temperatures 1 to 6° below normal across the State. Highs from mid 60s to low 70s. Lows mid 40s to mid 50s. Precipitation 1.00 to 2.00 in. most of State.

Days suitable for fieldwork 4.1. Topsoil 4% short, 72% adequate, 24% surplus. Subsoil 11% short, 80% adequate, 9% surplus. Alfalfa third cutting 84%. Tobacco harvest 91%, 88% 1991, 87% avg. Pasture condition 91%, 90% last week, 54% 1991. Soybeans turning color 98%, 100% 1991, 91% avg.

**IOWA:** Temperatures 0 to 4° below normal. Extremes 31°, 80°. Rainfall 0.02 to 0.95 in.; average 0.29. Scattered frost northeast 23rd; widespread frost northwest 28th.

Days suitable for fieldwork 5.3. Topsoil 83% adequate, 17% surplus. Subsoil 85% adequate, 15% surplus. Pasture condition 13% fair, 68% good, 19% excellent. Corn needs at least another week frost free. Soybeans turning color 96%, 92% 1991, 97% avg. Third cutting alfalfa 89% harvested, 98% 1991, 99% avg. Winter wheat seeded 18%, 34% 1991, 99% avg. Livestock generally good.

**KANSAS:** Temperatures 2° above normal to 5° below normal over State. Significant precipitation received central, eastern areas.

Days suitable for fieldwork 6.0. Surface moisture 52% short, 47% adequate, 1% surplus. Subsurface moisture 12% short, 84% adequate, 4% surplus. Principle farm activities are fall harvest, wheat planting. Row crops mostly good to excellent. Corn, sorghum progress still behind normal. Open weather allowed wheat seeding to make good progress. Pastures very good. Forage, stockwater adequate for State, with very few shortages. About 55% alfalfa cut fourth time.

**KENTUCKY:** Highest temperatures low, mid 80s, lows low, mid 40s. Temperatures 65°, 2 to 3° below normal. Rainfall 1.00 in. Heaviest rainfall was 2.00 in. over central areas.

Days suitable for fieldwork 3.9. Soil moisture 1% very short, 3% short, 80% adequate, 16% surplus. Corn yields excellent. Kernel moisture levels remain high. Early soybean yields good. Burley tobacco 86% cut, 91% 1991, 87% avg. Houseburn heavy on early housed burley. Dark tobacco 90% cut, 90% 1991, 85% avg. Fall wheat seeding 12% complete, mostly cover crop. Hay crops generally good. Pastures mostly good.

**LOUISIANA:** Temperatures 0.3 to 2.9° below normal. Extremes 49°; 93°. Rainfall 0.47 in. west-central to 2.37 in. northwest.

Days suitable for fieldwork 3.4. Soil moisture 2% short, 55% adequate, 43% surplus. Corn 100% harvested, 100% 1991, 99% avg. Hay 91% second cutting, 78% 1991, 81% avg. Rice 98% ripe, 95% 1991, 97% avg. Second crop rice management continued, southwest. Soybeans 84% turning color, 39% 1991, 59% avg. Stinkbugs being sprayed. Wheat 0% planted, 3% 1991, 1% avg. Sugarcane 30% poor, 59% fair, 11% good; 39% planted, 78% 1991, 74% avg. Rain slowed planting. Sweet potatoes 1% poor, 16% fair, 82% good; 46% harvested, 55% 1991, 60% avg. Livestock 33% fair, 60% good, 7% excellent. Pastures 6% poor, 7% fair, 84% good, 3% excellent. Vegetables 8% very poor, 17% poor, 50% fair, 25% good. Preparing land for winter pastures, wheat. Crawfish pond flooding active.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 1.19 in. Temperature 65.6°, normal 65.0°. Extremes 34°; 89°.

Days suitable for fieldwork 4.5. Topsoil 4% short, 64% adequate, 32% surplus. Subsoil 10% short, 76% adequate, 14% surplus. Corn good: 87% dent, 99% 1991, 95% avg.; 58% mature, 91% 1991, 74% avg. Grain harvested: 8%, 39% 1991, 32% avg.; silage harvested 41%, 90% 1991, 81% avg. Soybeans good: 49% turned, 70% 1991, 55% avg.; 21% shedding leaves, 42% 1991, 28% avg. Sorghum good: 47% mature, 86% 1991; 1% harvested, 11% 1991. Tobacco good: 96% harvested, 97% 1991, 92% avg. Pastures excellent. Alfalfa fourth cutting 49%, other hay third cutting 72%. Apples harvested 41%, 55% 1991, 53% avg. Vegetable, melon harvest virtually complete, lima beans, sweet potato harvest active, few acres small grains seeded.

**DELAWARE:** Precipitation 1.68 in. Temperature 65.3°, normal 65.8°. Extremes 46°; 87°.

Days suitable for fieldwork 4.5. Topsoil 50% adequate, 37% surplus. Subsoil 86% adequate, 14% surplus. Soybeans good; 33% turned, 54% 1991, 42% avg.; 12% shedding leaves, 24% 1991, 14% avg. Corn fair to good; 49% mature, 99% 1991, 86% avg. Sorghum 11% mature. Alfalfa fourth cutting 64%; other hay third cutting 83%, supplies mostly adequate. Apple picking 37%

complete, 53% 1991, 48% avg. Vegetable, melon harvest virtually complete; lima bean harvest active. Pastures mostly excellent.

**MICHIGAN:** Temperatures 2° above to 4° below normal. Extremes 26°; 76°. Precipitation 0.28 to 2.33 in. across State.

Days suitable for fieldwork 4.5. Soil moisture 55% adequate, 45% surplus. Hay 60% third cutting, 85% 1991, 70% avg.; 1% very poor, 9% poor, 25% fair, 40% good, 25% excellent. Corn silage 15% harvested, 80% 1991, 55% avg. Dry beans 60% mature, 95% 1991, 60% avg.; 25% harvested, 65% 1991, 30% avg.; 6% very poor, 14% poor, 40% fair, 30% good, 10% excellent. Potatoes 60% harvested, 65% 1991, 60% avg. Pasture 85% of normal. Activities: Chopping corn, seeding wheat, spreading manure, cutting hay, harvesting fruit, vegetables.

**MINNESOTA:** Temperatures 1 to 4° above normal. Extremes 27°; 85°. Precipitation none to 0.15 in., 0.48 to 0.70 in. below normal. Greatest weekly total 0.26 in.

Days suitable for fieldwork 5.8. Topsoil 1% very short, 5% short, 69% adequate, 25% surplus. Spring wheat 90% cut/swathed, 99% 1991, 99% avg.; 83% combined, 99% 1991, 99% avg. Barley 98% cut/swathed, 99% 1991, 99% avg.; 96% combined, 99% 1991, 99% avg. Corn 91% dent, 99% 1991, 99% avg.; 20% mature, 80% 1991, 84% avg.; 0% picked/combined 7% 1991, 10% avg.; 15% silage cut, 69% 1991, 67% avg. Soybeans 80% dropping leaves, 87% 1991, 94% avg.; 21% mature, 66% 1991, 75% avg.; 4% combined, 15% 1991, 24% avg. Sugarbeets 10%, 10% 1991, 8% avg. Potatoes 48% harvested, 57% 1991, 60% avg. Flax 25% harvested, 87% 1991, 87% avg. Dry edible beans 49% harvested, 88% 1991, 80% avg. Sweet corn 89% harvested, 98% 1991, 98% avg. Winter wheat 70% seeded, 91% 1991, 92% avg. Rye 80% seeded, 86% 1991, 91% avg. Hay, small grain 42% stubble plowed, 73% 1991, 72% avg. Soybean 8% very poor, 12% poor, 49% fair, 31% good. Corn 8% very poor, 11% poor, 40% fair, 40% good, 1% excellent.

**MISSISSIPPI:** Temperatures 71°, 2.1° below normal. Extremes 49°; 91°. Most of the State received above-normal rainfall with the exception of the southeast, coastal regions which received below normal rainfall, average 1.33 in., 0.41 in. above normal. Soil temperatures 75°.

Days suitable for fieldwork 3.4, 3.7 1991, 5.4 avg. Soil moisture 2% short, 66% adequate, 24% surplus, 8% excessive. Corn harvested 67%, 65% 1991, 68% avg.; 6% poor, 28% fair, 47% good, 19% excellent. Cotton open bolls 90%, 86% 1991, 91% avg.; 9% harvested, 18% 1991, 28% avg.; 2% very poor, 7% poor, 55% fair, 36% good. Peanuts harvested 73%, 76% 1991, 78% avg. Rice mature 96%, 75% 1991, 89% avg.; harvested 68%, 38% 1991, 59% avg.; 37% fair, 60% good, 3% excellent. Sorghum harvested 80%, 61% 1991, 73% avg.; silage harvested 97%, 86% 1991, 91% avg.; 1% poor, 30% fair, 66% good, 3% excellent. Soybeans turning color 80%, 58% 1991, 66% avg.; shedding leaves 47%, 26% 1991, 38% avg.; 9% harvested, 4% 1991, 7% avg.; 1% poor, 13% fair, 81% good, 5% excellent. Sweet potatoes harvested 50%, 49% 1991, 51% avg.; 70% fair, 5% good, 25% excellent. Wheat planted 10%, 13% 1991, 11% avg.; 4% emerged, 4% 1991, 6% avg. Hay harvested 95%, 94% 1991, 91% avg. Pecans 55% very poor, 29% poor, 14% fair, 2% good. Livestock 15% fair, 83% good, 2% excellent. Pasture 95% of normal. Activities: Harvesting, maintenance work.

**MISSOURI:** Temperature 3° below normal east-central to 7° below normal northeast, southwest

districts. Rainfall averaged 0.83 in., around 0.50 in. northeast, north central, 1.55 in. southeast.

Days suitable for fieldwork 4.1. Topsoil 7% short, 83% adequate, 10% surplus. Corn mature ranges from 67% northeast to 100% southeast. Corn harvesting varies from 8% or less northern districts to 73% southeast. Soybeans turning color 83%, 76% 1990, 79% avg. Soybeans dropping leaves, least advanced southeast 34%, most advanced northeast 82%. Soybeans mature 37%, 35% 1990, 28% avg. Soybeans harvested varies 3% southeast to 10% east central. Sorghum mature from 27% southwest to 91% southeast, central, northern districts around 50%. Sorghum harvested varies from 3% or less northern third to 43% southeast. Wheat seeded less than 10% major producing areas. Pasture 1% very poor, 4% poor, 27% fair, 55% good, 13% excellent.

**MONTANA:** Temperatures 8 to 10° above normal. Precipitation mostly near or above normal for the entire State.

Days suitable for fieldwork 6.2. Topsoil 54% short, 44% adequate, 2% surplus. Subsoil 58% short, 41% adequate, 1% surplus. Barley 89% harvested, 98% 1991, 98% avg. Oats 92% harvested, 98% 1991, 98% avg. Corn for silage 67% harvested, 62% 1991, 76% avg. Dry bean 83% harvested, 96% 1991, 82% avg. Sugarbeets 10% harvested, 6% 1991, 9% avg. Potatoes 29% harvested, 20% 1991, 30% avg. Second cutting alfalfa hay 96% harvested, 97% 1991, 98% avg. Pasture, range feed conditions 76%, dropped 5 points from last week. Movement of cattle, calves from summer ranges 21%, sheep, lambs 22%.

**NEBRASKA:** Temperatures 1 to 3° above normal. Light precipitation at weekend varied from a trace west to 0.30 in. east.

Days suitable for fieldwork 6.8. Topsoil 27% short, 71% adequate, 2% surplus. Subsoil 6% short, 89% adequate, 5% surplus. Row crops up to three weeks behind normal. Corn 1% very poor, 9% poor, 8% fair, 57% good, 25% excellent; 96% dented, 100% 1991, 100% avg.; 37% mature, 96% 1991, 88% avg.; 3% harvested, 25% 1991, 15% avg. Soybean 1% very poor, 3% poor, 6% fair, 62% good, 28% excellent; 97% turning, 100% 1991, 97% avg.; 62% dropping leaves, 96% 1991, 82% avg.; 10% harvested, 32% 1991, 17% avg. Sorghum 2% poor, 16% fair, 65% good, 17% excellent; 88% coloring, 100% 1991, 98% avg.; 15% mature, 94% 1991, 81% avg.; 5% harvested, 30% 1991, 15% avg. Alfalfa 4% poor, 9% fair, 67% good, 20% excellent; 31% fourth cutting. Winter wheat 86% sown, 80% 1991, 78% avg.; 57% emerged, 38% 1991, 40% avg. Pasture, range 97% of normal.

**NEVADA:** High pressure dominated at the beginning, again at the end of period with a strong, dry low pressure trough holding sway at midweek. Some scattered thunderstorms in the north, central, east, south left light amounts of precipitation. Temperatures generally above normal although the passage of the trough, and an associated cold front did bring high temperatures down from record, near record levels over much of State. Extremes 20°; 106°.

Digging potatoes progressing normally, aided by warm dry weather. Harvest of onions, late alfalfa hay continues. Alfalfa seed harvest about complete. Planting garlic, winter wheat underway. Livestock being moved to winter ranges.

**NEW ENGLAND:** Precipitation 0.50 to 2.52 in. north, 0.78 to 4.09 south. Temperatures high 40s to mid 50s north, low 50s to low 60s south;

1° above normal to 3° below normal. Maximum temperatures high 60s to mid 80s throughout region. Minimum temperatures mid 20s to mid 40s throughout region.

Days suitable for fieldwork 6. Soil moisture 13% short, 74% adequate, 13% surplus. Available grazing 14% short, 86% adequate. Fieldwork progress 5 days behind schedule. Maine potatoes 60% harvested, 50% 1991, 41% avg.; good. Rhode Island potatoes 60% harvested, 77% 1991, 76% avg.; excellent. Massachusetts, Connecticut potatoes 75% harvested, 68% 1991, 55% avg.; good. Maine oats 82% harvested, 99% 1991, 88% avg.; good. Field corn 25% harvested, 49% 1991, 38% avg.; good. Connecticut, Massachusetts sweet corn 95% harvested, 95% 1991, 98% avg.; good. Second cut hay 93% harvested, 100% 1991, 96% avg.; good. Third cut hay 60% harvested, 71% 1991, 68% avg.; good. Apples 35% harvested, 62% 1991, 49% avg.; color good, size medium; good. Connecticut, Massachusetts peaches 87% harvested, size medium; good. Connecticut pears 60% harvested, size medium; good. Massachusetts cranberries 5% harvest; good. Major farm activities: Harvesting field corn, vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, cranberries, haying.

**NEW JERSEY:** Temperatures near normal. Extremes 34°; 86°. Rainfall 1.51 in. north, 1.80 in. central, 2.56 in. south. Heaviest 24 hour total 2.74 in. on 25th, 26th. Estimated soil moisture, in percent field capacity, averaged 77% north, 73% central, 67% south. Four inch soil temperatures averaged 59° north, 62° central, 65° south.

Soil moisture content short to adequate. Greens, escarole, endive, leeks, okra, parsley, turnips, tomatoes, sweet corn, in light volume. Cucumbers, pickles, cabbage, green beans in moderate supply. Eggplant, peppers, squash good volume. Peaches in storage. Harvest of tomatoes, peppers, cucumbers, potatoes, nearing completion. Harvesting sweet potatoes, corn silage. Corn for grain nearing maturity. Soybeans dropping leaves. Harvesting apples. Harvesting fall vegetables, snap beans, cabbage, lettuce. Pastures need rainfall overall.

**NEW MEXICO:** Most of the State had a dry week with temperatures at or slightly below normal. A few spots in the north-central mountains, the extreme eastern plains averaged as much as 3 to 4° below normal. Extremes 25°; 96°. Only two reporting stations received any measurable rain during the week.

Days suitable for fieldwork 6.6. Soil moisture 54% short, 46% adequate. Crop conditions: Alfalfa 19% fair, 81% good; harvest complete in higher elevations. Corn 13% fair, 87% good; silage harvest nearing end. Irrigated wheat 15% fair, 85% good. Dryland wheat 33% fair, 67% good. Wheat crop is 92% planted. Chile poor to excellent mostly good with harvest active. Onion harvest winding down with remaining crop good. Lettuce in good shape with some harvest started. Apple harvest continues with crop poor to excellent, mostly good. Pecans 34% fair, 66% good. Cattle, sheep fair to excellent. Range 88% of normal.

**NEW YORK:** Temperatures slightly below normal. Precipitation was heaviest in western areas, averaging between 1.50 to 2.00 in. Extreme eastern areas had the least, averaging only 0.75 in. Week began dry, cool. Wet spell on 21st, 22nd led to cool weather during midweek. Many areas had a frost or freeze on 24th to 25th. Temperatures of 32° or lower were widespread north of Mohawk Valley. Extremes 21°; 84°.

Days suitable for fieldwork 5.1. Soil moisture mostly adequate to surplus. Pasture 93% normal. Corn fair to good. Harvesting of corn for silage gaining momentum. Hay good. Third cutting of alfalfa 59% finished, 78% 1991, 73% avg. Oats 87% harvested, 100% 1991, 100% avg. Potato digging continued very active across the State. Widespread frost or freeze hit on morning of 24th ending the growing season for many vegetable crops. Harvesting of most crops remained in high gear. Undercutting was completed for Oswego County onions. Harvest continued active. Crop conditions varied from fair to excellent depending on location. There was still considerable acreage of corn left to be picked. Spinach harvest was going strong in Franklin County. The crop continued in good condition. Very busy harvest schedule with cabbage, cauliflower, broccoli. Extensive acreage matured in a very short period of time. Onion harvesting continued in Orange County. Condition of the crop remained very good. McIntosh apple picking continued in the Lake Ontario region. Size, color are excellent. In western areas State storages started.

**NORTH CAROLINA:** Temperatures 4° below normal to 1° above normal. The positive departures occurred at coastal locations. Precipitation 3.42 in. at Uniontown Dam to 0.01 in. at a river monitoring station near Fayetteville.

Days suitable for fieldwork 5.1. Soil moisture 1% very short, 24% short, 64% adequate, 11% surplus. Crop condition: Pasture 31% fair, 66% good, 3% excellent. Corn 3% poor, 29% fair, 60% good, 8% excellent. Cotton 9% poor, 47% fair, 42% good, 2% excellent. Peanuts 4% poor, 55% fair, 41% good. Soybeans 4% poor, 36% fair, 57% good, 3% excellent. Hay 27% fair, 71% good, 2% excellent. Sweetpotatoes 43% fair, 54% good, 3% excellent. Apples 47% fair, 53% good. Sorghum 36% fair, 64% good. Cotton Open bolls 57%, 94% 1991, 87% avg. Corn dented 100%, 100% 1991, 100% avg.; mature 96%, 98% 1991, 97% avg. Soybeans setting pods 96%, 97% 1991, 97% avg.; leaf drop 21%, 25% 1991, 16% avg.; Flue cured tobacco harvested 94%, 92% 1991, 89% avg. Burley tobacco harvested 73%, 91% 1991, 83% avg. Corn for silage harvested 74%, 88% 1991, 88% avg.; grain harvested 47%, 65% 1991, 49% avg. Sorghum for grain harvested 29%, 42% 1991, 35% avg. Apples harvested 60%, 76% 1991, 63% avg. Hay, roughage supplies 96% adequate, 4% surplus; second cutting 92%; third cutting 55%. Major activities: Harvesting, curing, marketing tobacco, cutting corn for silage, grain. Other activities: Harvesting fruits, vegetables; harvesting sorghum; digging sweetpotatoes; seeding small grains; preparing for peanut, cotton harvest; tending livestock; equipment repair; general farm maintenance.

**NORTH DAKOTA:** Unseasonably warm temperatures at midweek were sandwiches between cool temperatures early, late in the week. Statewide temperatures 3° above normal north central, northeast to 8° above normal southwest. Extremes 24° northeast; 95° southwest. Precipitation none east central to 0.34 in. southwest.

Days suitable for fieldwork 6.3. Soil moisture supplies above last year, average. Topsoil 9% very short, 46% short, 45% adequate. Subsoil 18% very short, 39% short, 43% adequate. Small grain harvest behind last year, average, significant progress made. Spring wheat 93% combined, 100% 1991, 100% avg.; durum 82% combined, 100% 1991, 100% avg.; barley 97% combined, 100% 1991, 100% avg.; oats 98% combined, 100% 1991, 100% avg. Intended acres planted winter wheat 74%, 83%

1991, 87% avg.; rye 75%, 87% 1991, 87% avg. Late season crop development continued behind average. Immature crops were hurt by frost in many areas. Corn for grain 1% very poor, 7% poor, 73% fair, 19% good; 11% ripe and beyond, 98% 1991, 74% avg. Flax 2% poor, 24% fair, 68% good, 6% excellent; 50% combined, 92% 1991, 88% avg. Potatoes 100% good; 62% dug, 69% 1991, 73% avg. Soybeans 1% poor, 60% fair, 39% good; 8% combined, 55% 1991, 42% avg. Dry beans 6% poor, 34% fair, 60% good; 26% combined, 94% 1991, 81% avg. Sunflower 7% poor, 21% fair, 72% good; 44% bracts turned brown and beyond, 88% 1991, 77% avg. Sugarbeets 2% fair, 86% good, 12% excellent; 10% lifted, 11% 1991, 9% avg. Range, pasture conditions 66% of normal. Stockwater supplies 7% very short, 27% short, 66% adequate.

**OHIO:** Cool and dry weather dominated the State until a frontal system approached around the 26th bringing rain, cool weather. On the 24th, lows fell to the mid 30s to the mid 40s. Mean readings ranged from mid 50s to low 60s which was 1° to 6° below normal. Daytime highs varied from the upper 60s to low 70s while mean lows stayed in the mid to upper 40s. Precipitation 0.50 to 2.75 in. With largest rainfalls in the northeast.

Days suitable for fieldwork 3.6. Topsoil 3% short, 69% adequate, 28% surplus. Hay 1% very poor, 9% poor, 28% fair, 51% good, 11% excellent. Pasture 4% poor, 25% fair, 57% good, 14% excellent. Potatoes harvested 58%, 70% 1991, 58% avg. Processing tomatoes harvested 70%, 92% 1991, 88% avg. Corn harvested for silage 30%, 91% 1991, 63% avg. Sunny weather continued, cool temperatures slowed crop development.

**OKLAHOMA:** Temperatures 8° below normal southeast to 4° below normal Panhandle. Precipitation none Panhandle, southwest, west central to 0.63 in. southeast.

Days suitable for fieldwork 5.4. Topsoil 25% short, 54% adequate, 21% surplus. Subsoil 100% adequate. Wheat 49% planted, 45% 1991, 40% avg.; 25% up to stand, 18% 1991, 14% avg. Cotton 1% very poor, 7% poor, 44% fair, 48% good; 25% open bolls, 33% 1991, 41% avg. Sorghum 1% fair, 94% good, 5% excellent; 19% mature, 28% 1991, 47% avg.; 6% harvested, 6% 1991, 7% avg. Peanuts 40% fair, 60% good; 42% mature, 65% 1991, 57% avg.; 7% harvested, 2% 1991, 4% avg. Soybeans 43% mature, 39% 1991, 32% avg.; 14% harvested, 12% 1991, 5% avg. Corn 78% harvested, 80% 1991, 74% avg.; Pastures 101%. Cattle good; marketings average, prices steady.

**OREGON:** Temperatures 4 to 6° above normal, statewide, except central coast, Burns, Enterprise, Klamath Falls. Precipitation 1.00 to 1.50 in. northern, central coast, 0.50 in. or more Willamette Valley, 0.25 to 0.50 in. northeastern areas, 0.25 in. or less elsewhere.

Soil moisture 94% short, 6% adequate. Winter wheat 24% planted, 4% emerged. Barley 96% harvested. Winter barley 17% planted. Field prep for fall seeding in cereal grains, canola, grass seed continues; some waiting for more moisture. Field corn silage being cut. Fourth cuttings of alfalfa continue. Mint harvest winding down. Apples, walnut, hazelnut harvest continues; Willamette Valley. Hood River Valley winter pear, apple harvest underway in upper elevations. Apple harvest continues east of Cascades. Cranberry harvest underway, moderate activity; southern coast. Potato harvest continues, statewide. Sweet corn, snap beans harvest nearing completion, onions drying, table beet, broccoli, cauliflower harvest continues; Willamette Valley. Livestock good. Stockwater

continues to be scarce. Some dryland pastures greened up, Willamette Valley. Cattle continue coming off federal ranges, forests. Hay, protein supplements continue being feed. Range, pasture condition 45% of normal.

**PENNSYLVANIA:** Temperature 61°, 1° below normal. Extremes 28°; 87°. Precipitation 2.07 in., 1.23 in. above normal.

Days suitable for fieldwork 5. Soil moisture 5% short, 75% adequate, 20% surplus. Ensilage corn harvested 17% complete, 69% 1991. Corn 1% very poor, 5% poor, 21% fair, 48% good, 25% excellent. Soybean harvest 4% complete, 4% 1991; 1% very poor, 6% poor, 23% fair, 47% good, 23% excellent. Wheat planted 37% complete, 38% 1991. Oat harvest 100% complete, 100% 1991. Barley planted 39% complete, 47% 1991. Tobacco harvest 85% complete, 98% 1991. Potato harvest 65% complete, 72% 1991. Second cutting alfalfa 100% complete, 100% 1991. Third cutting alfalfa 73% complete, 84% 1991. Fourth cutting alfalfa 35% complete, 46% 1991. Second cutting clover timothy 91% complete, 98% 1991. Quality of hay made 4% poor, 49% fair, 47% good. Feed from pastures 1% very poor, 4% poor, 50% fair; 45% good. Apple harvest 45% complete, 48% 1991. Peach harvest 98% complete, 99% 1991. Grapes harvest 50% complete, 74% 1991. Fall plowing 54% complete, 60% 1991. Activities: hauling manure; maintaining machinery; cutting, baling hay; making corn silage; fall plowing; seeding small grains; fruit, potato harvesting; fixing fence; caring for livestock.

**PUERTO RICO:** Rainfall of 2.54 in. was 0.69 in. above normal. Highest rainfall 6.43 in. Rio Blanco, 5.59 in. at San Lorenzo, 4.82 in. at Morovis. Highest 24 hour total 3.32 in. at Morovis. San Juan mean temperatures 81.9° which is 0.1° below normal. Rainfall 1.54 in. which is 0.14 in. above normal. Island temperatures 81 to 82° on coasts, 73 to 76° interior, with mean station temperatures 64.3° at Cerro Maravilla to 84.3° Guayama. Extremes 57°; 93°.

**SOUTH CAROLINA:** Temperatures across State were below normal north, central, above normal along coast. Rainfall 0.70 in. statewide.

Days suitable for fieldwork 4.9. Soil moisture 38% short, 60% adequate, 2% surplus. Tobacco fair to good; 69% stalks destroyed, 72% 1991, 54% avg. Corn fair to good; 82% harvested, 88% 1991, 76% avg. Cotton fair; 80% open bolls, 86% 1991, 80% avg.; 3% harvested, 10% 1991, 10% avg. Soybeans fair to good; 27% leaves turning, 34% 1991, 27% avg.; 10% shedding leaves, 13% 1991, 9% avg.; 5% mature, 1% 1991, 2% avg. Apples fair to good; 63% harvested, 88% 1991, 76% avg. Grapes fair to good. Fall hay fair to good; 79% harvested, 73% 1991, 68% avg. Peanuts fair to good; 21% harvested, 32% 1991, 20% avg. Sorghum fair to good; 48% harvested, 47% 1991, 43% avg. Oats 4% planted, 1% 1991, 3% avg. Rye 8% planted, 5% 1991, 6% avg. Winter grazing fair to good; 38% planted, 29% 1991, 29% avg.; 25% emerged, 16% 1991, 16% avg. Barley 1% planted, 1% 1991, 2% avg. Timely rains for soybeans, small grain. Some soybean insect pressure.

**SOUTH DAKOTA:** Temperatures 5 to 10° above normal west, 0 to 5° above normal east. Extremes 23°; 97°. Precipitation spotty, light. Maximum 0.51 in..

Days suitable for fieldwork 5.9. Topsoil 6% very short, 35% short, 54% adequate, 5% surplus. Subsoil 9% very short, 24% short, 60% adequate, 7% surplus. Sunflowers 1% poor, 10% fair, 72%

good, 17% excellent. Warmer than normal weather has helped crops to mature. Some reporters were saying it would be at least two more weeks before the crops would be safe from a hard freeze. Livestock 2% fair, 69% good, 29% excellent. Pasture 91% of normal.

**TENNESSEE:** Thunderstorms, areas of heavy rain moved across State on the 22nd bringing up to 4.00 in. some areas. Cool, dry air covered the region 23rd to 25th. Widespread showers returned over the weekend. Temperatures a degree below normal in the east to 5° below normal in the west, on the Plateau. Rainfall was around 1.50 to 2.00 in. above normal in the west, on the Plateau. East, middle regions were closer to normal with rainfall 0.25 in. above average.

Days suitable for fieldwork 3.3. Soil moisture, 2% short, 72% adequate, 26% surplus. Corn 89% mature, 86% 1991, 89% avg.; 75% silage harvested, 80% 1991, 88% avg.; 32% grain harvested, 44% 1991, 41% avg. Cotton 75% open bolls, 78% 1991, 81% avg.; 2% harvested, 15% 1991, 18% avg.; 4% poor, 22% fair, 74% good. Sorghum 87% mature, 76% 1991, 85% avg.; 39% harvested, 27% 1991, 49% avg. Soybeans 30% dropping leaves, 25% 1991, 38% avg.; 15% mature, 14% 1991, 18% avg.; 12% fair, 70% good, 18% excellent. Wheat 6% seeded, 7% 1991, 9% avg. Burley tobacco 91% harvested, 91% 1991, 91% avg. Dark air-cured tobacco 93% harvested, 82% 1991, 89% avg. Dark fire-cured tobacco 91% harvested, 91% 1991, 91% avg. Cattle 6% fair, 85% good, 9% excellent. Pasture 1% poor, 9% fair, 74% good, 16% excellent. Farm activities: harvesting hay, corn, tobacco, sorghum, cotton; defoliating cotton; stripping tobacco; fall seedings.

**TEXAS:** Upper level system, surface front produced significant rainfall over southern part State early in the week. Rains lingered Lower Valley, dry air pushed across rest State mid, latter half of week. Rain amounts generally below normal Northern, Eastern sections, above normal South. No rainfall Western part of State. Temperatures below normal most of State, 4 to 7° below normal North, a few degrees below normal elsewhere.

**Crops:** Corn harvest Plains, Cross Timbers active, activity Central Texas, Hill Country ended. Cotton Plains benefitted from warm, dry conditions day, cooler evenings slowed development. Spraying boll weevils occurred Low Plains. Blacklands harvest delayed by rains. Ginning activity Coastal Bend nearly completed. Rice harvest nearing completion Upper Coast. Grain sorghum fields High Plains need few weeks warm, dry weather to mature. Harvest Low Plains continued. Some fields Cross Timbers damage from birds. Small grain planting continued some areas. South Texas more moisture necessary for planting activities. Irrigation activity increased High Plains. Peanut harvest began Low Plains, Cross Timbers. Spider mites increasing several fields, leaf spot damage still problem Low Plains, Hill Country. Harvest continued Central Texas, slight delays. Statewide peanut condition 85% normal compared 83% 1991. 19% of crop harvested, 18% 1991, 14% avg. Soybean harvest winding down Blacklands. Upper Coast harvest full swing, good yields.

**Commercial Vegetables:** Rio Grande Valley, watermelon harvest underway. Planting lettuce, onions continued. High Plains, carrot, cabbage harvest ending. Pepper harvest continued. East Texas, winter greens responded well to cooler temperatures. Sweet potato harvest continued. Additional moisture needed most fields. Trans-Pecos, chile pepper harvest continued. Fire blight heavy some pears. South, Central Texas

some harvest early variety pecans. Hill Country, webworm, stinkbug, aphid, scab damage heavy. Shuck split continued to occur parts Central Texas, Trans-Pecos, Low Plains, early maturing natives.

**Range and Livestock:** Ranges, pastures drying out Plains, forage availability still good. More rains needed winter pastures. Final cuttings hay made East Texas, Upper Coast. Livestock conditions good, some supplemental feeding of protein Plains.

**UTAH:** Temperature maximums 4° above normal, minimums 5° above normal. Precipitation was light throughout the State.

Days suitable for fieldwork 6.8. Soil moisture 90% short, 10% adequate. Winter wheat seeded 78%, 78% 1991, 69% avg. Winter wheat emerged 28%. Field corn in dent stage 93%; 85% 1991; mature 74%, 40% 1991, 59% avg.; harvested for grain 11%, 6% 1991, harvested for silage 80%, 48% 1991, 63% avg. Alfalfa 3rd cutting 97%, 80% 1991, 86% avg. Alfalfa 4th cutting 47%, 26% 1991, 42% avg. Alfalfa seed harvested 91%, 65% 1991, 49% avg. Potatoes harvested 65%, 53% 1991, 41% avg. Onions harvested 79%, 61% 1991, 68% avg. Most dry beans have been windrowed, threshing is proceeding as beans dry out. Apples 73% picked, 50% 1991, 40% avg. As a result of high winds, significant damage was reported to the remaining apple crop in Utah county. Cattle moved from summer range 43%, 30% 1991, 32% avg. Sheep moved from summer range 43%, 27% 1991, 35% avg. Pasture and range poor to fair.

**VIRGINIA:** Temperatures above normal for the week. Extremes 33°; 92°. Tropical Storm Danielle produced some heavy downpours in central areas, precipitation was mostly below normal for the week.

Days suitable for fieldwork 5.4. Topsoil 4% very short, 31% short, 59% adequate, 6% surplus. Pasture 8% poor, 27% fair, 53% good, 12% excellent. Corn mature 93%, 94% 1991, 86% avg.; silage harvested 61%, 87% 1991, 80% avg.; harvested for grain 26%, 60% 1991, 48% avg. Soybean 3% poor, 44% fair, 45% good, 8% excellent. Peanuts 75% fair, 25% good. Apple harvest nearly 40% completed. Flue tobacco 89% harvested, 88% 1991, 78% avg. Fire tobacco 99% harvested, 99% 1991, 93% avg. Sun tobacco 93% harvested, 98% 1991, 93% avg. Burley tobacco 80% harvested, 90% 1991, 87% avg. Sweet potato harvest over 60% completed. Peanuts 5% dug, 40% 1991, 19% avg. Oats seeded 20%, 26% 1991, 20% avg. Barley seeded 10%, 13% 1991, 13% avg. Livestock mostly good. Harvesting some hay. Harvesting cucumbers, snap beans, peppers, tomatoes.

**WASHINGTON:** Temperatures 2 to 5° above normal west; 1 to 6° above normal, east. Rainfall 0.29 to 1.83 in. west; none to 1.18 in. east.

Days suitable for fieldwork 5.6. Soil moisture 40% short, 60% adequate. Hay, other roughage 15% short, 57% adequate, 28% surplus. Range, pasture 77% poor, 23% fair. Winter wheat planted 77%, 52% 1991, 60% avg.; emerged 46%, 35% 1991, 35% avg. Alfalfa hay third cut 98% complete, 91% 1991, 92% avg. Potatoes 35% harvested, 42% 1991, 45% avg. Corn silage 76% harvested, 48% 1991, 56% avg. Dry beans harvested 55%, 64% 1991, 60% avg. Precipitation received statewide. Winter wheat seeding

advances, despite rain. Fall crop seeding slows east due to rain, limited reseeding due to crusting, previous week dust storms. Potato harvest advances, complete by next week Kittitas county. Third cutting alfalfa almost complete, fifth cutting progressing grant county. Apple harvest continues, nearing completion early varieties Benton county. Other areas picking short, mid term storage apples. Grape harvest proceeds. Vegetable harvest continued. Livestock continue on supplemental feed most areas.

**WEST VIRGINIA:** Temperature 67°. Extremes 27°; 87°. Precipitation 1.01 in.

Days suitable for fieldwork 4.7. Soil moisture, 17% short, 83% adequate. Tobacco, 95% fair, 1% good, 4% excellent; 90% harvested. Hay, 16% fair, 79% good, 5% excellent; 94% second cut, 75% third cut. Apples, good. Corn, 99% good, 1% excellent; 99% dough stage, 83% mature, 20% harvested. Pastures, 17% fair, 60% good, 23% excellent; 90% of normal. Cattle, mostly good. Sheep, mostly good. Soybeans, good; 100% bloomed, 100% setting pods, 32% dropping leaves. Farm activities: General maintenance; clipping pastures; chopping silage; harvesting hay, corn, tobacco, apples.

**WISCONSIN:** Temperature 54°; 1° below normal. Extremes 22°; 80°. Precipitation 0.10 to 0.90 in. Widespread frost across the State on the night of the 22nd. Some damage reported; mostly reduced yields expected from this frost.

Days suitable for fieldwork 5.1. Soil moisture 1% short, 67% adequate, 32% surplus. Pasture 79% of normal, 76% 1991, 76% avg. General condition of crops 1% very poor, 2% poor, 36% fair, 59% good, 2% excellent. Corn 2% very poor, 3% poor, 35% fair, 57% good, 3% excellent; 65% in dent stage or beyond, 92% 1991, 92% avg.; 17% mature, 84% 1991, 65% avg.; for grain 0% harvested, 9% 1991, 6% avg.; silage 9% harvested, 56% 1991, 49% avg. Third crop hay 56% harvested, 78% 1991, 75% avg. Soybean 3% poor, 33% fair, 62% good, 2% excellent. Soybeans 59% turned, 90% 1991, 86% avg. Soybean 15% shedding leaves, 79% 1991, 58% avg. Intended fall tillage 5% complete, 9% 1991, 12% avg.

**WYOMING:** Warm, dry weather prevailed across the entire State last week. Precipitation was below normal while temperatures were 1 to 8° above normal.

Days suitable for fieldwork 6.4. Topsoil 72% short, 28% adequate. Oats 4% mature, 3% 1991, 3% avg.; 96% harvested, 97% 1991, 97% avg. Dry beans 19% leaves turning color, 1% 1991, 11% avg.; 21% windrowed, 18% 1991, 22% avg.; 60% combined, 91% 1991, 67% avg. Corn 19% dough, 3% 1991, 6% avg.; 67% dented, 35% 1991, 34% avg.; 8% mature, 46% 1991, 52% avg.; 6% harvested, 16% 1991, 8% avg.; silage 71% harvested, 78% 1991, 78% avg. Potatoes 50% harvested, 44% 1991, 53% avg. Sugarbeets harvested 14%, 17% 1991, 15% avg. Freeze damage to row crops this fall 19% none, 65% light, 16% moderate, 0% severe. 1993 Winter wheat 7% not planted, 12% 1991, 17% avg.; 42% planted, 51% 1991, 38% avg.; 51% emerged, 37% 1991, 45% avg. 1993 Winter wheat poor to mostly fair. Livestock moved from summer ranges 46% cattle, calves; 48% sheep, lambs. Prospects for fall grazing 21% very poor, 9% poor, 41% fair, 29% good. Prospects for winter grazing 16% very poor, 18% poor, 28% fair, 38% good. Stockwater 58% short, 38% adequate, 4% surplus.

## International Weather and Crop Summary HIGHLIGHTS

September 20-26, 1992

**FSU:** In the west, cool, dry weather with nighttime frosts benefits summer crop harvests and prompts hardening in winter grains in northern areas. In the **New Lands**, colder weather accompanies light rain and snow, hampering spring grain harvest.

**EUROPE:** Severe storms flood western Europe, but dryness persists in the East.

**SOUTH ASIA:** Seasonably drier weather dominates the main summer crop areas, favoring maturation.

**SOUTHEAST ASIA:** Late-season rains continue over Indochina. Beneficial showers return to Java.

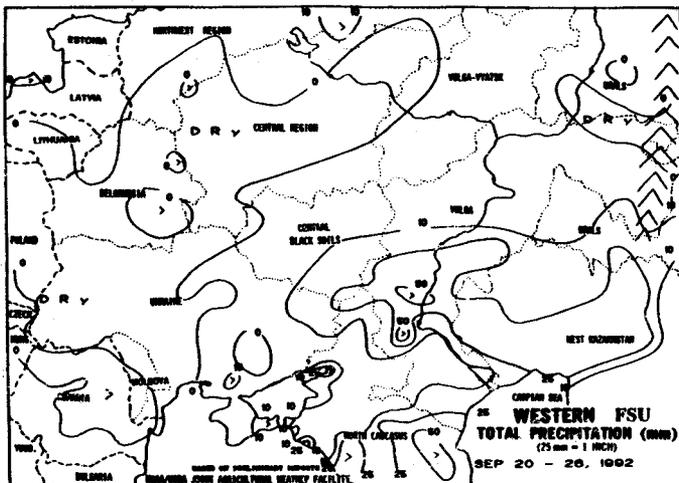
**EASTERN ASIA:** Typhoon Ted brought heavy rain to Taiwan, extreme eastern China, South Korea, and northern Japan. Dry weather continues to aid harvesting in central and southern China.

**AUSTRALIA:** Dryness continues across the eastern wheat region.

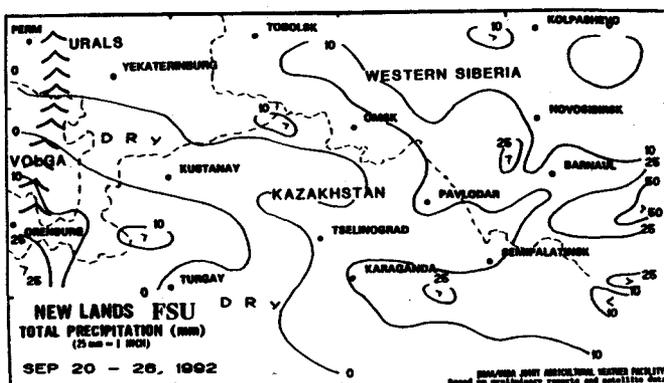
**SOUTH AMERICA:** Dry weather favors fieldwork in Argentina, while wetness slows summer crop planting and wheat harvesting in southern Brazil.

**MEXICO:** Corn yield prospects look favorable.

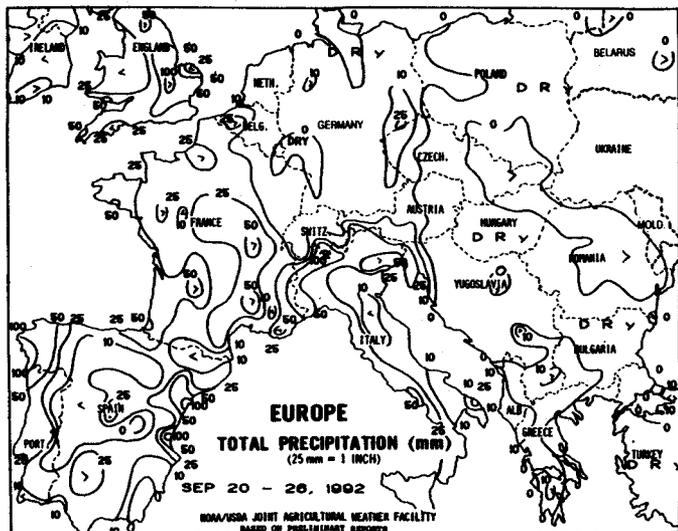
**CANADA:** Dry, warmer weather covers the Prairies, helping to dry crops and promote harvesting. Scattered frost hits Ontario and Quebec.



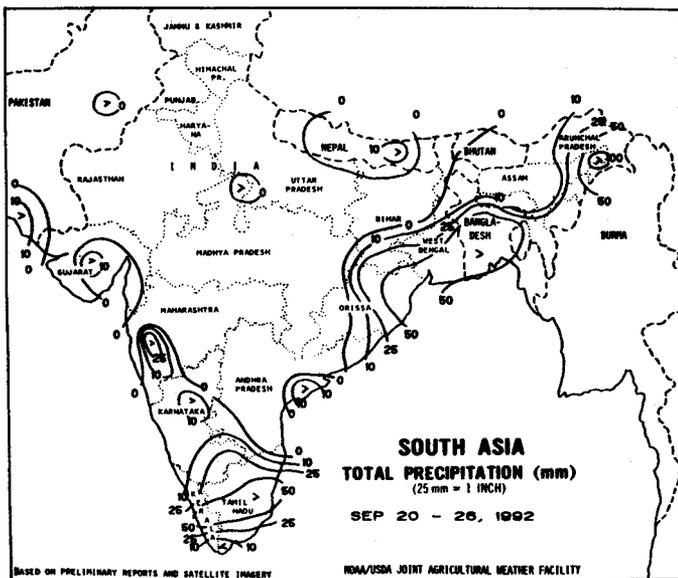
**FSU-WESTERN:** High pressure prevailed over Ukraine, Belarus, Baltic States, Central Region, Volga Vyatsk, and upper Volga, providing abundant sunshine and seasonably cool autumn temperatures. The dry weather in these areas helped summer crop harvesting and fall plowing. Winter grains began hardening in the north, prompted by patchy frost which occurred on some nights. In the southeast, widespread significant rain (10-40 mm, with local amounts in excess of 50 mm) covered the extreme eastern Ukraine, lower Volga, and southern North Caucasus. While the rain in these areas increased topsoil moisture for winter grain establishment, it slowed corn and sunflower harvests. In southern Ukraine and Moldova, although continued dryness has limited moisture for winter grain planting, summer crop harvests have benefited from the dryness.



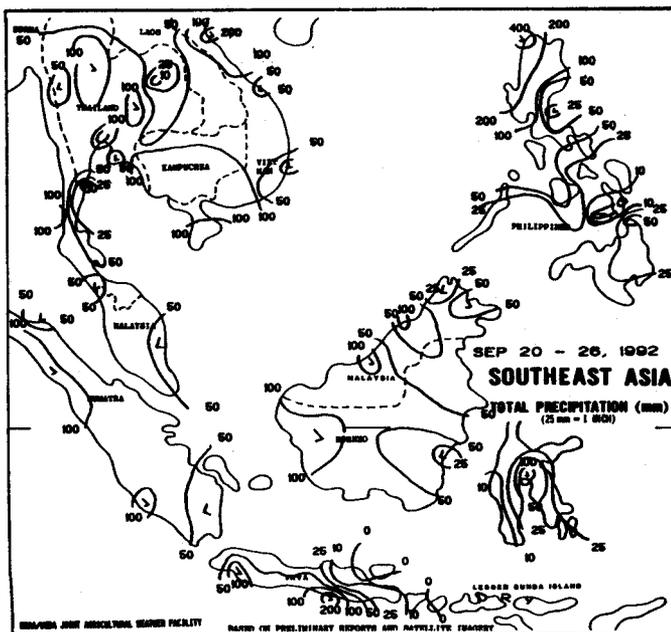
**FSU - NEW LANDS:** Following a long warm, dry spell in the Urals, the weather turned significantly colder with light precipitation (around 10 mm). The colder weather plunged as far south as central Kazakhstan, producing widespread sub-freezing temperatures. In Western Siberia, cold weather accompanied by rain and wet snow hampered spring grain harvesting. In Kazakhstan, although the weather this past week turned cold, several days of dryness allowed the harvest to continue. Average temperatures were 3-6 degrees Celsius (C) below normal over the region. Lowest weekly temperatures ranged from -3 to -8 degrees C as far south as Kazakhstan.



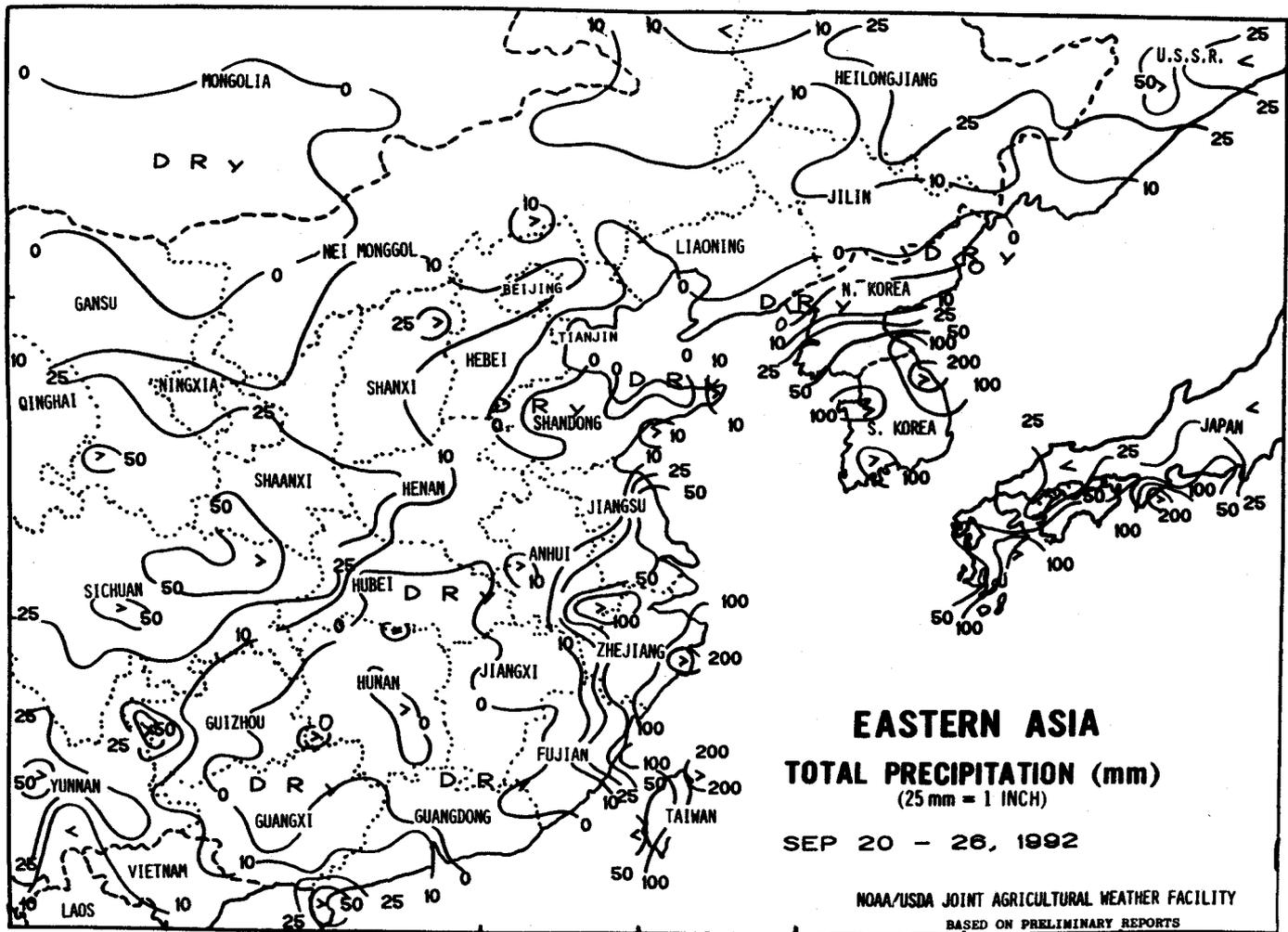
**EUROPE:** Torrential rain (50-100 mm or more) and locally severe thunderstorms hit southeastern France, northern Spain, extreme northern Italy, and southeastern England. The persistent downpours disrupted harvesting, and produced widespread and potentially damaging floods. The widespread moisture (10-50 mm) throughout western Europe, from Belgium to the Iberian peninsula and Italy, provided topsoil moisture for winter crop planting. In contrast, dry weather prevailed in the east from Poland to Bulgaria, with mostly light showers (1-10 mm) over Germany, extreme western Czechoslovakia, and along the southern Adriatic region. While the dryness favored summer crop harvesting, topsoil moisture is needed in the east for winter crop establishment. Temperatures averaged 2-3 degrees C above normal in north-central Europe, favoring any late-summer crop development.



**SOUTH ASIA:** The seasonable drying trend expanded over northwestern and central India and Pakistan, with most locations as far south as northern Andhra Pradesh receiving no rain. The dry, seasonably warm weather aided maturing summer grains, oilseeds, and cotton, although late-planted crops in the northwest would have welcomed more rain for development. The drier weather also helped Pakistan's recently flooded regions. Moderate to heavy showers (25-50 mm or more) continued over India's southern interior, and returned to eastern rice areas from Orissa to Assam, caused mainly by a tropical storm. The moisture improved irrigation reserves for fall plantings.



**SOUTHEAST ASIA:** Moderate to heavy showers (50-200 mm) covered a large area of Indochina, improving moisture for fall-planted rice but likely causing more flooding. The heavy rain in northern Vietnam was due mainly to a tropical depression that hit south of Hanoi early in the week. Showers also picked up along the Malay Peninsula and in Indonesia, where rainfall over Java's western and central rice regions totaled 9-73 mm. Tropical Storm Ted brought more inundating rains to western Luzon, Philippines, causing more flooding. Precipitation totaled 50 mm or more over most windward locations of the western Visayans, but crop areas elsewhere in the central and southern Philippines generally received less than 25 mm.



**EASTERN ASIA:** Minimal Typhoon Ted brushed Taiwan and swept across extreme eastern China, while the remnants brought heavy rain to South Korea and northern Japan. Ted brushed the eastern side of Taiwan, dumping 66-150 mm of rain, with locally heavier amounts, causing some flooding. Ted then weakened as it moved north across eastern Zhejiang and Jiangsu, producing widespread moderate to heavy rain (54-151 mm) and locally heavier amounts (greater than 200 mm). The storm had sustained winds of 45-50 knots (52-58 mph) across eastern China, causing minor crop damage and harvest delays to mature cotton and single-crop rice. As Ted dissipated across South Korea and northern Japan, sustain winds were down to 30-35 knots (35-40 mph), but the system still brought moderate to heavy rain (39-129 mm). Elsewhere in China, dry weather prevailed across central and southern China, favoring rice, cotton, corn, and soybean harvesting. Wet weather (20-56 mm) delayed rice harvesting in Sichuan. Widespread rain (14-59 mm) covered the northern wheat areas, aiding topsoil moisture for winter wheat. Light to moderate rain fell (5-35 mm) across Manchuria, favoring late-summer crops, but slowing early harvesting. Scattered frost was reported in southern Heilongjiang, slowing late development of corn and soybeans. Temperatures averaged slightly above normal, 1-2 degrees C above normal, across most of China.



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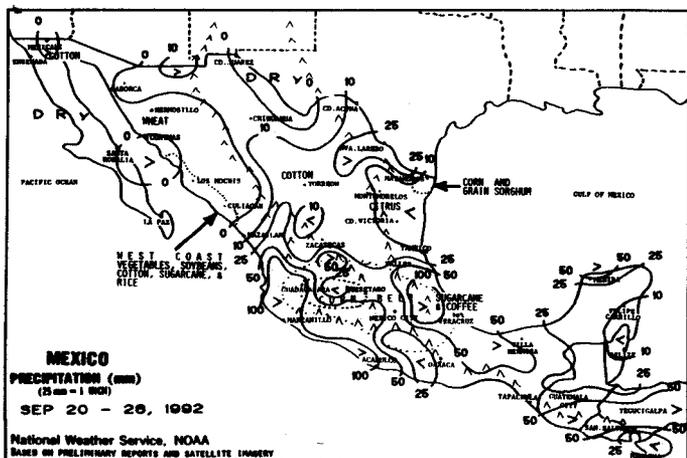
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**MEXICO:** Widespread moderate to heavy showers (25-100 mm or more) kept the Southern Plateau corn belt well watered, aiding filling to maturing corn, but slowing early harvesting. Across the Yucatan peninsula, moderate rains (20-78 mm) continued to aid vegetative to reproductive corn. Rainfall this growing season has been abundant, ensuring near- to above-normal corn yield prospects. Temperatures averaged near normal across the corn belt.

(Continued from front cover)

**Muskegon, MI.** However, temperatures remained at, or slightly above, freezing in the **northern Corn Belt**. The **interior Northeast** had its first freeze on Thursday morning, as **Bradford, PA**, registered 32°F and **Burlington, VT**, noted 31°F. Meanwhile, a late-season heat wave developed in the **West**, and record cold continued in **Alaska**. A daily record high of 98°F in **Miles City, MT**, on Wednesday contrasted sharply with a September-record low of 7°F in **Fairbanks, AK**. Elsewhere, heavy precipitation pushed into the **Cascades** and **northern Rockies**, and high winds raised dust at lower elevations of the **West**. Winds gusted to 60 mph in **south-central Idaho**. By late in the week, tropical storm "Danielle" brought heavy rain, gale force winds, and coastal flooding to the **Middle Atlantic States**. The storm made landfall near **Wallops Island, VA**, on Friday afternoon, packing 65 mph winds north of its center. On Saturday, thunderstorms developed from the **Plains** eastward as the Pacific storm raced eastward. Numerous tornadoes tore through **Wisconsin**. Elsewhere, another shot of cool air was poised to dive into the **Midwest**.

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