

# WEEKLY WEATHER AND CROP BULLETIN

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

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

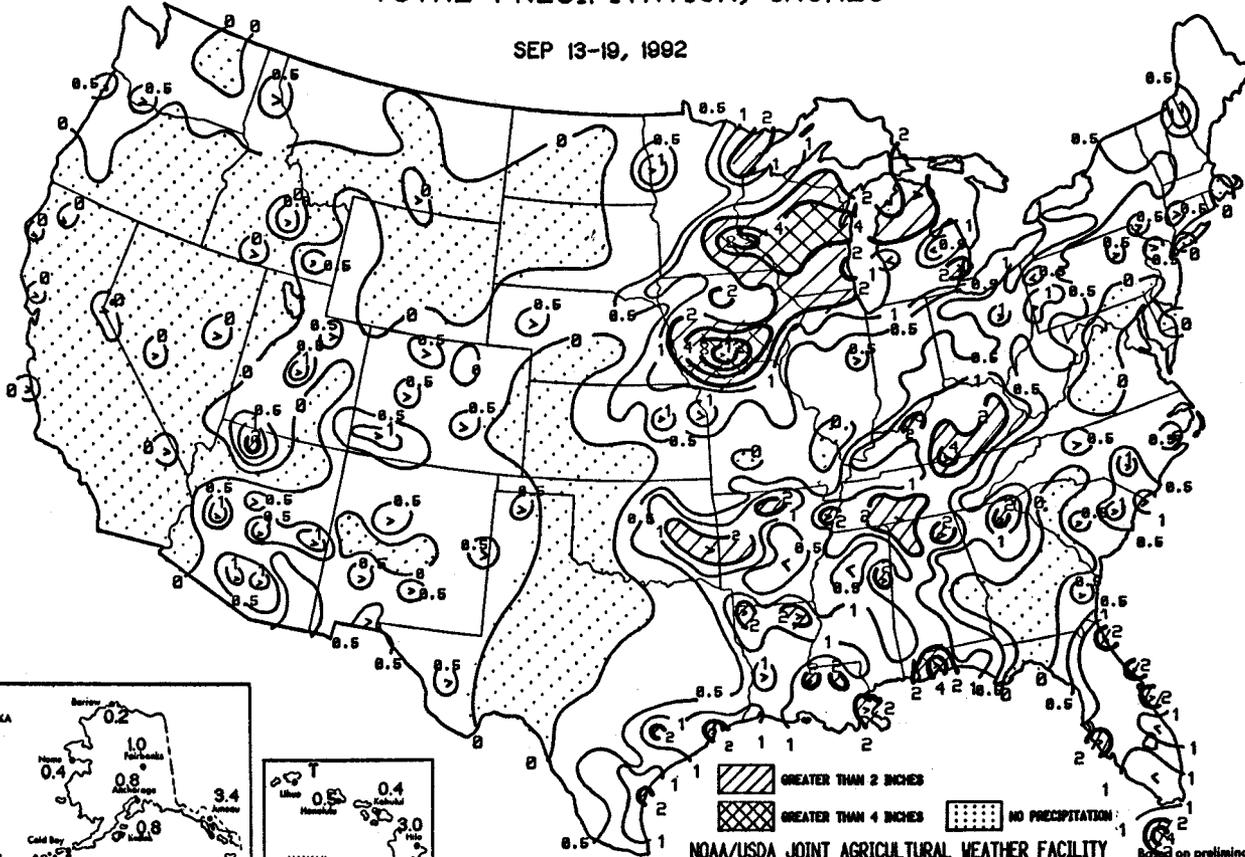
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Washington, D.C.

September 22, 1992

## TOTAL PRECIPITATION, INCHES

SEP 13-19, 1992



## HIGHLIGHTS

September 13 - 19, 1992

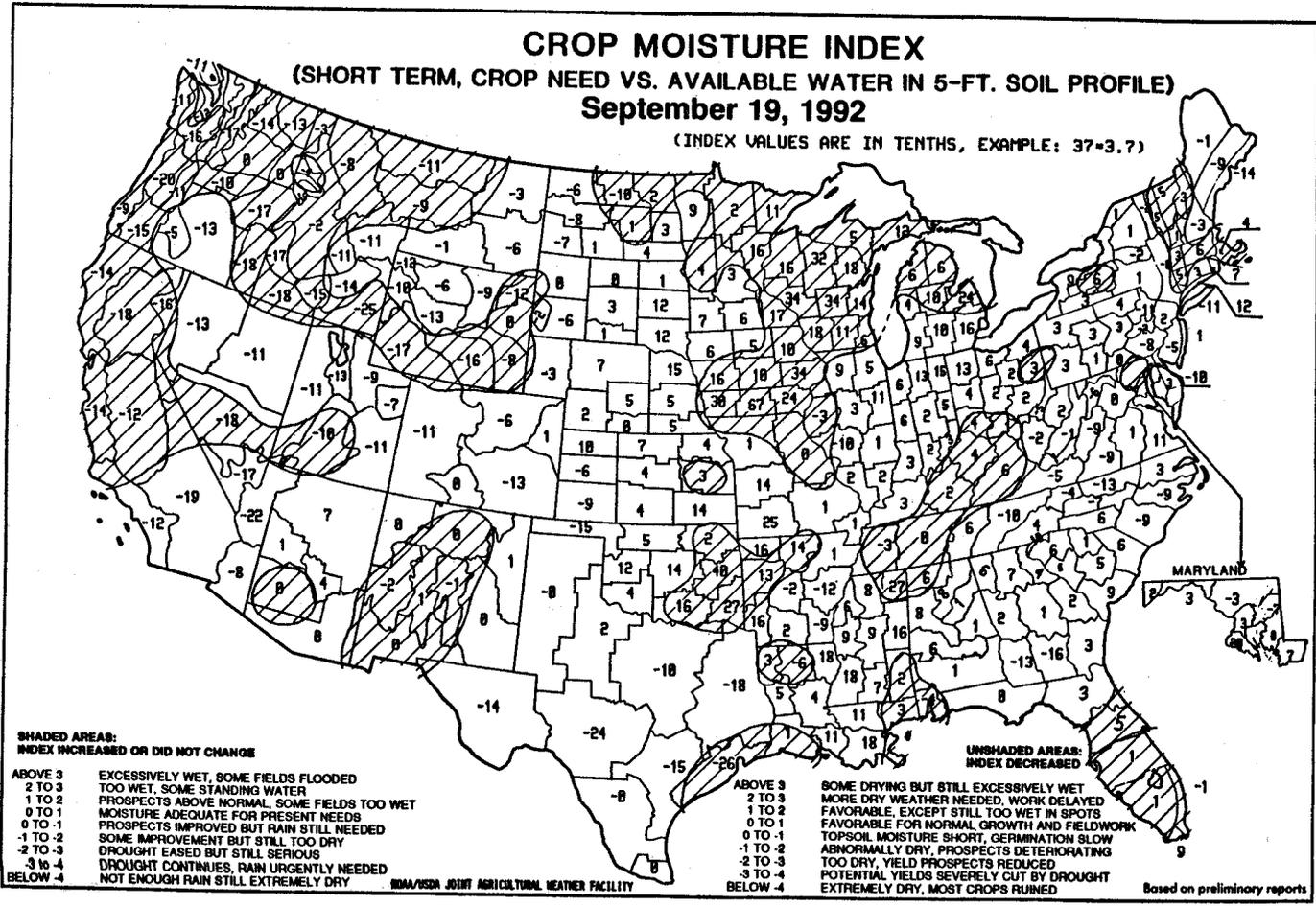
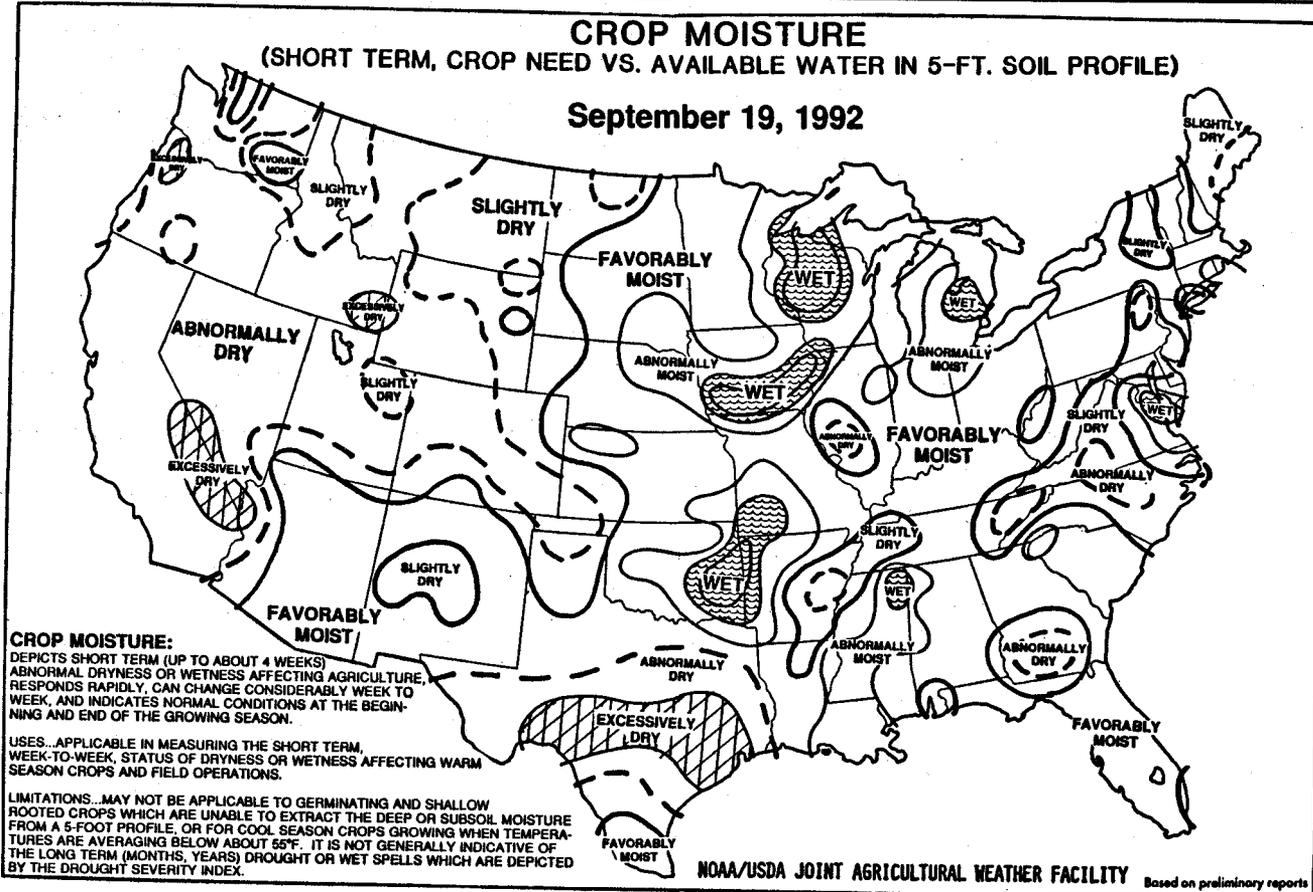
Excessive rain fell in the upper Mississippi Valley along a slow-moving cold front. Elsewhere, warm air overspread the Corn Belt until late in the week, aiding late-maturing crops, while a record-setting snowstorm and cold wave gripped Alaska. Early in the week, interior Alaska's heaviest September snowstorm ended after dumping 16.7 inches in Fairbanks, and 37.6 inches at Denali National Park headquarters. Bitter cold trailed the storm, and by Wednesday morning, temperatures fell to 12°F in Fairbanks, 0°F at Denali National Park (a new September record), and as low as -6°F near Beaver, AK, along the Yukon River. Back in the contiguous States, inundating rain developed over south-central Iowa on Monday night. Unofficial totals included 14 inches at Thayer (Union County) and 16 inches at Van Wert (Decatur County). Ottumwa, IA, received more than 6 inches.

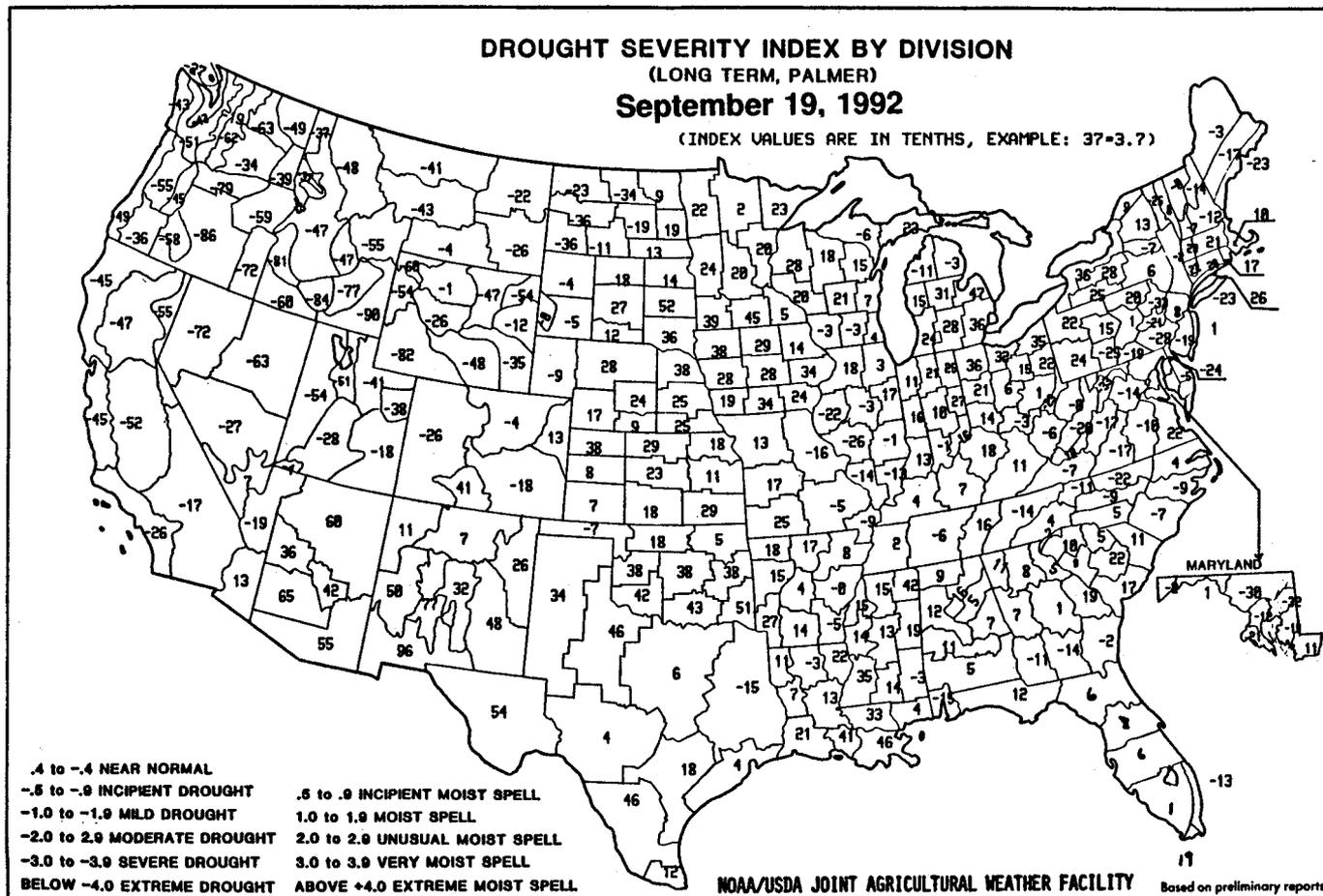
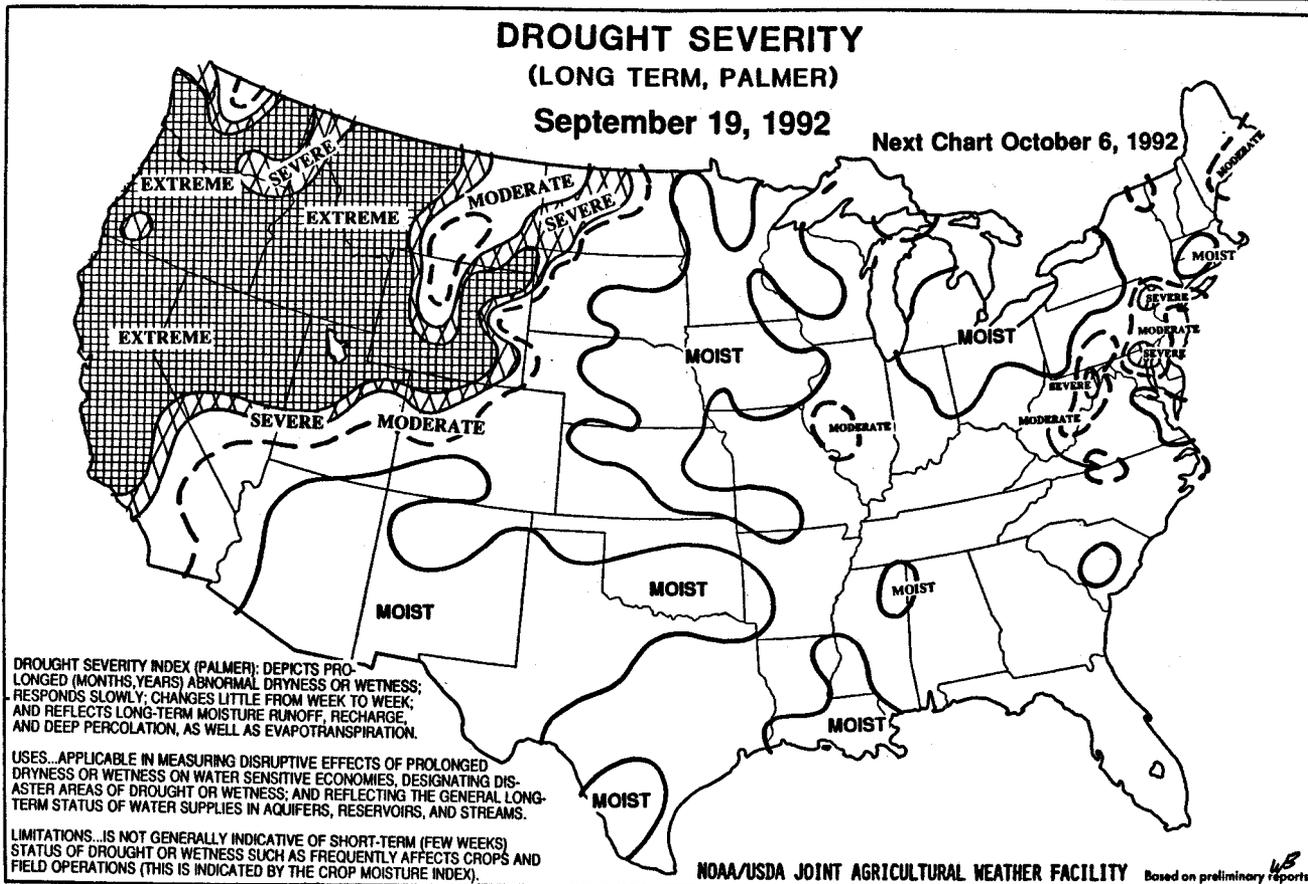
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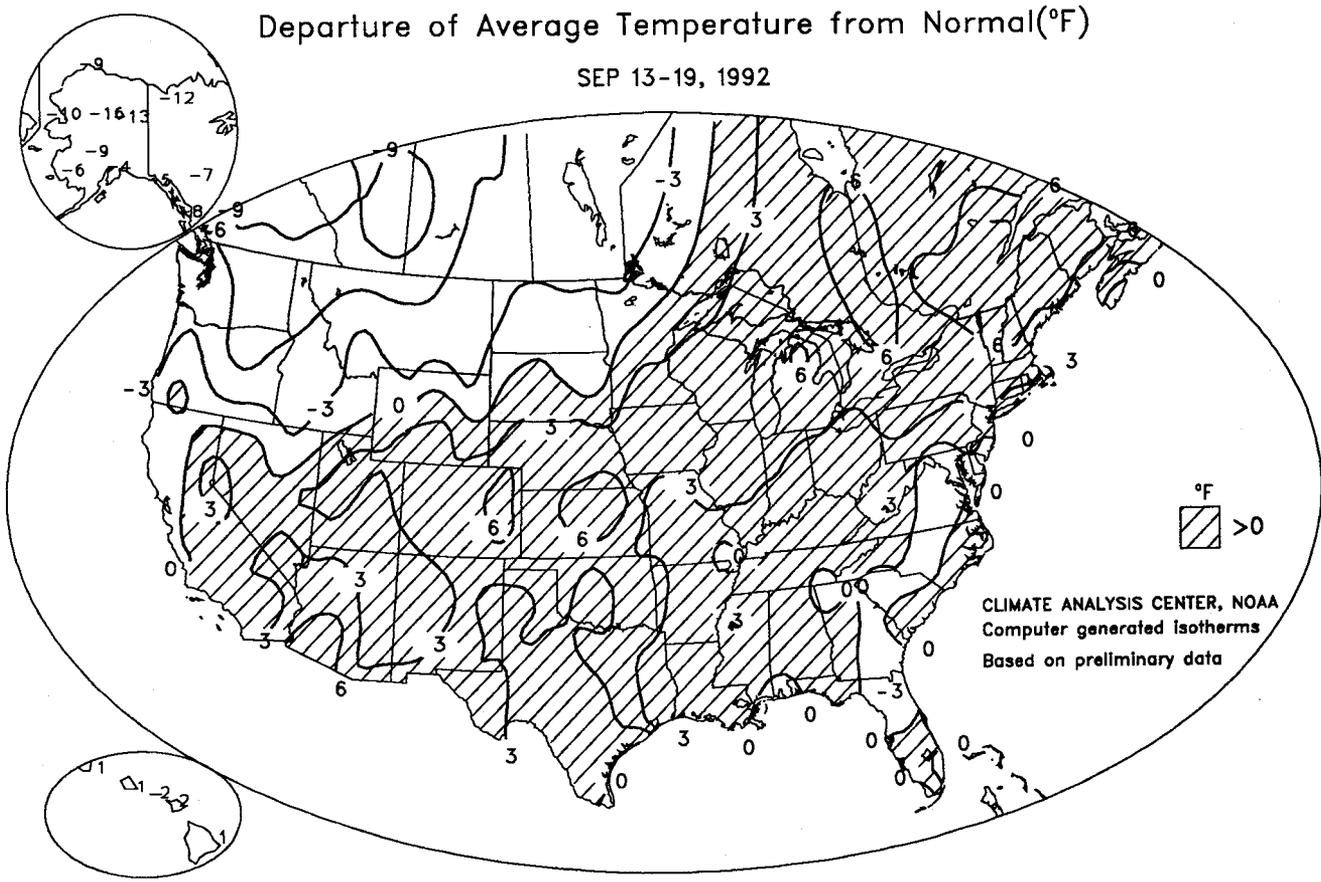
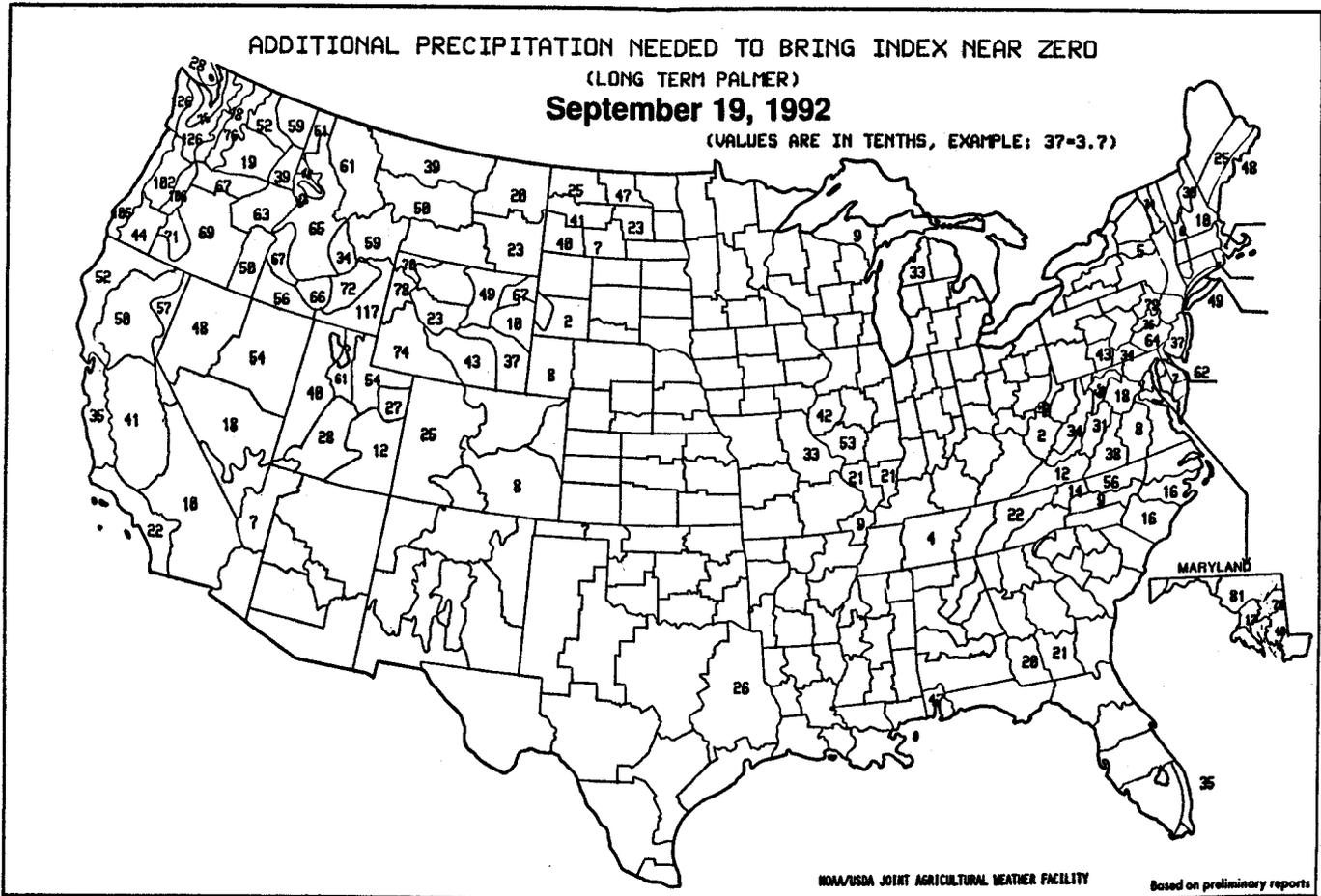
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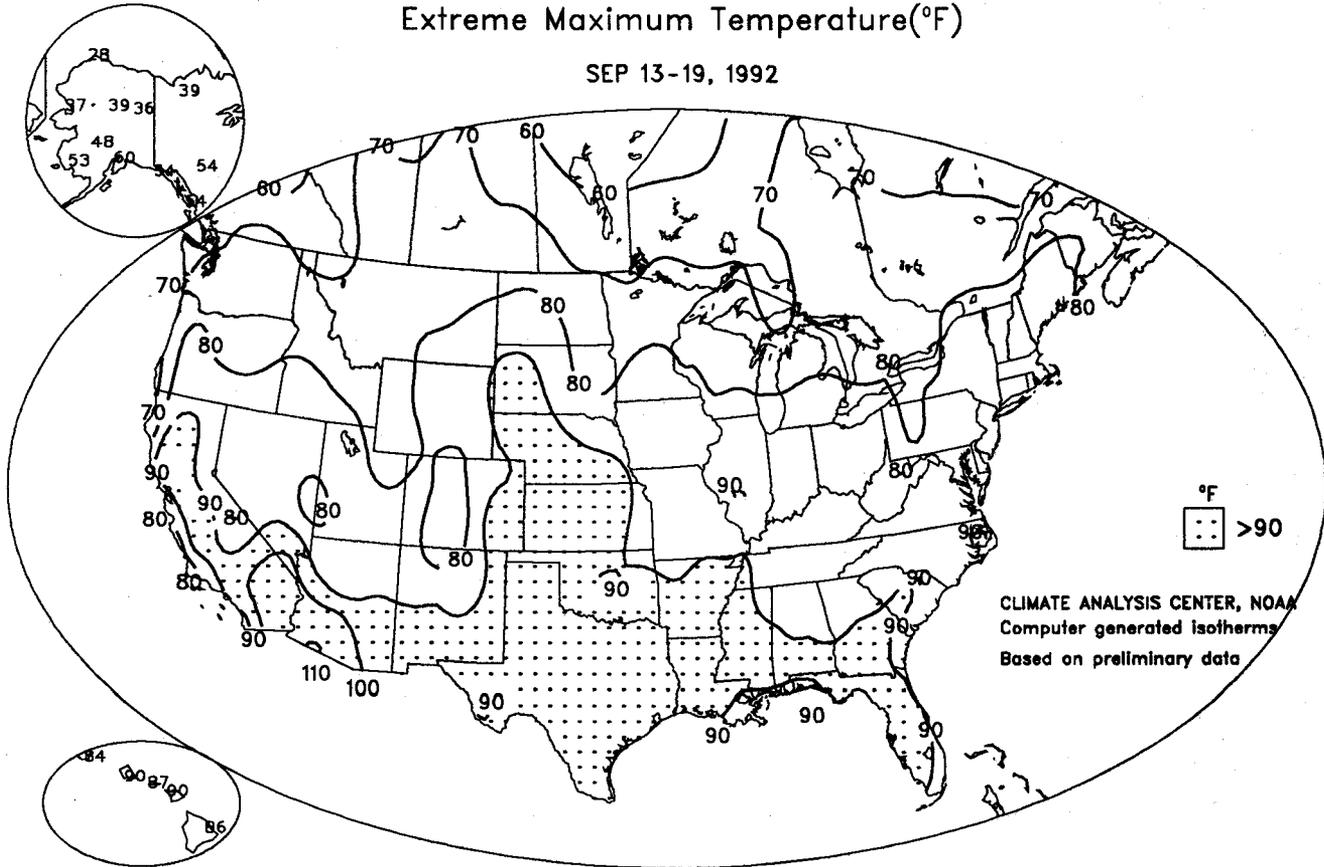






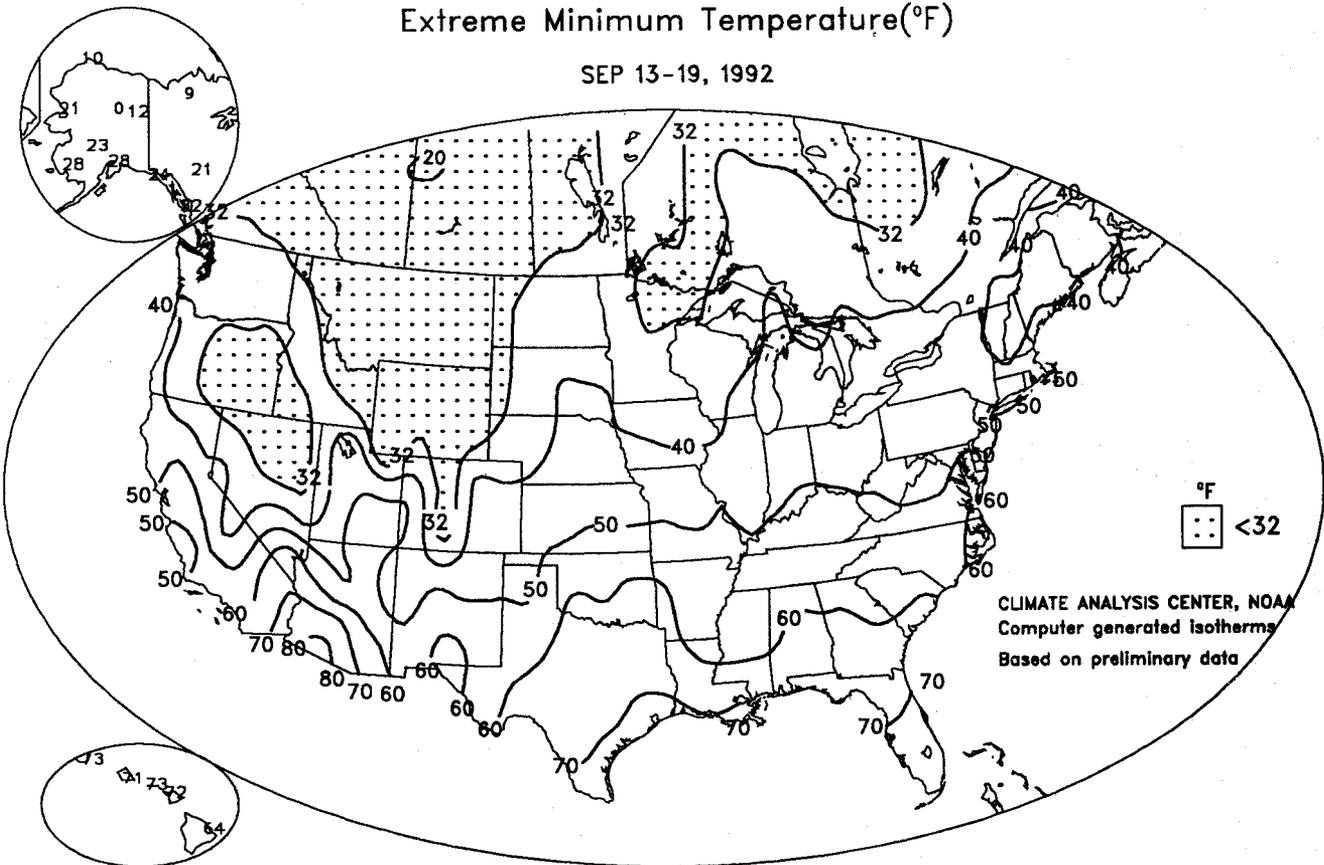
Extreme Maximum Temperature(°F)

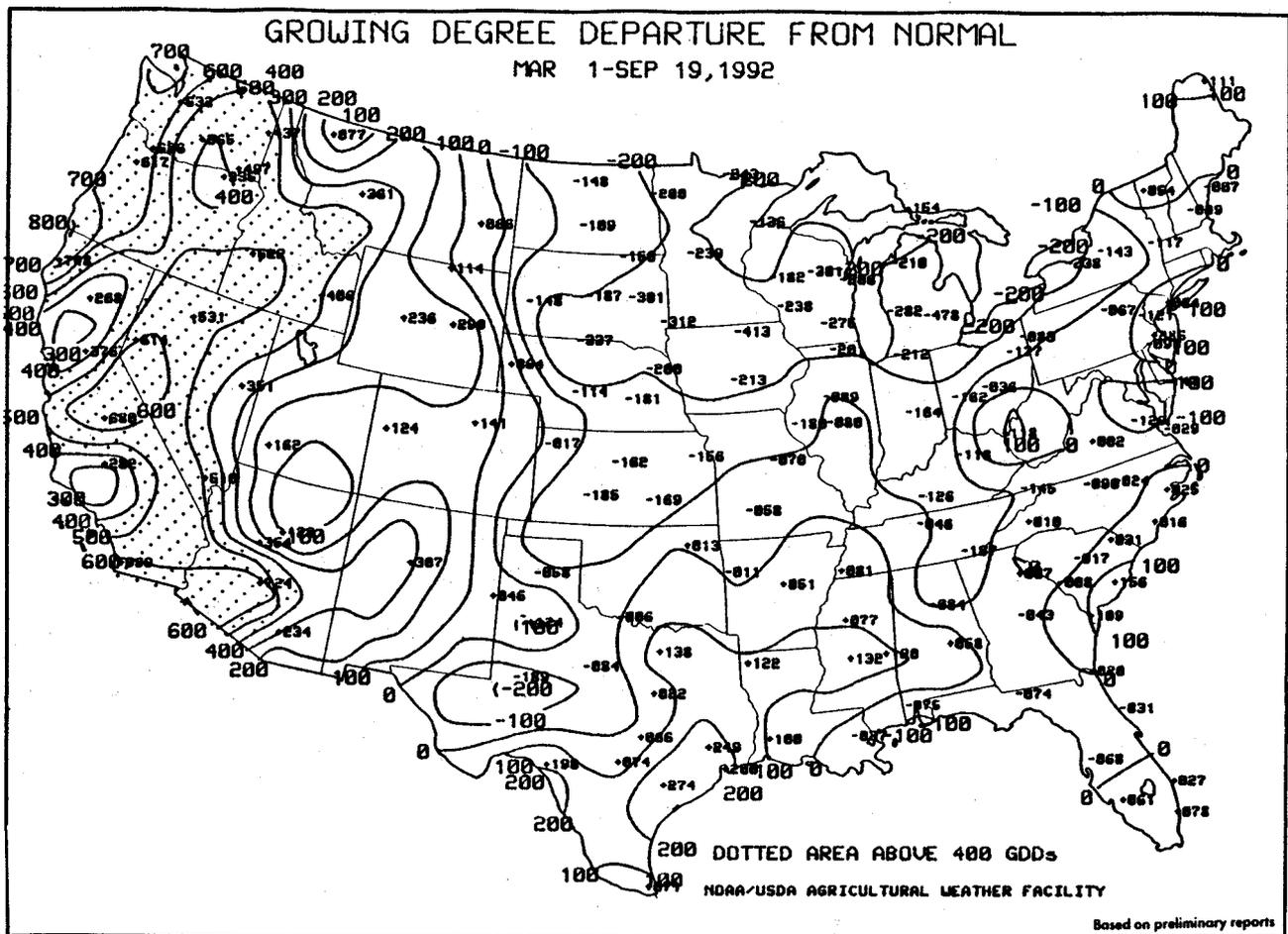
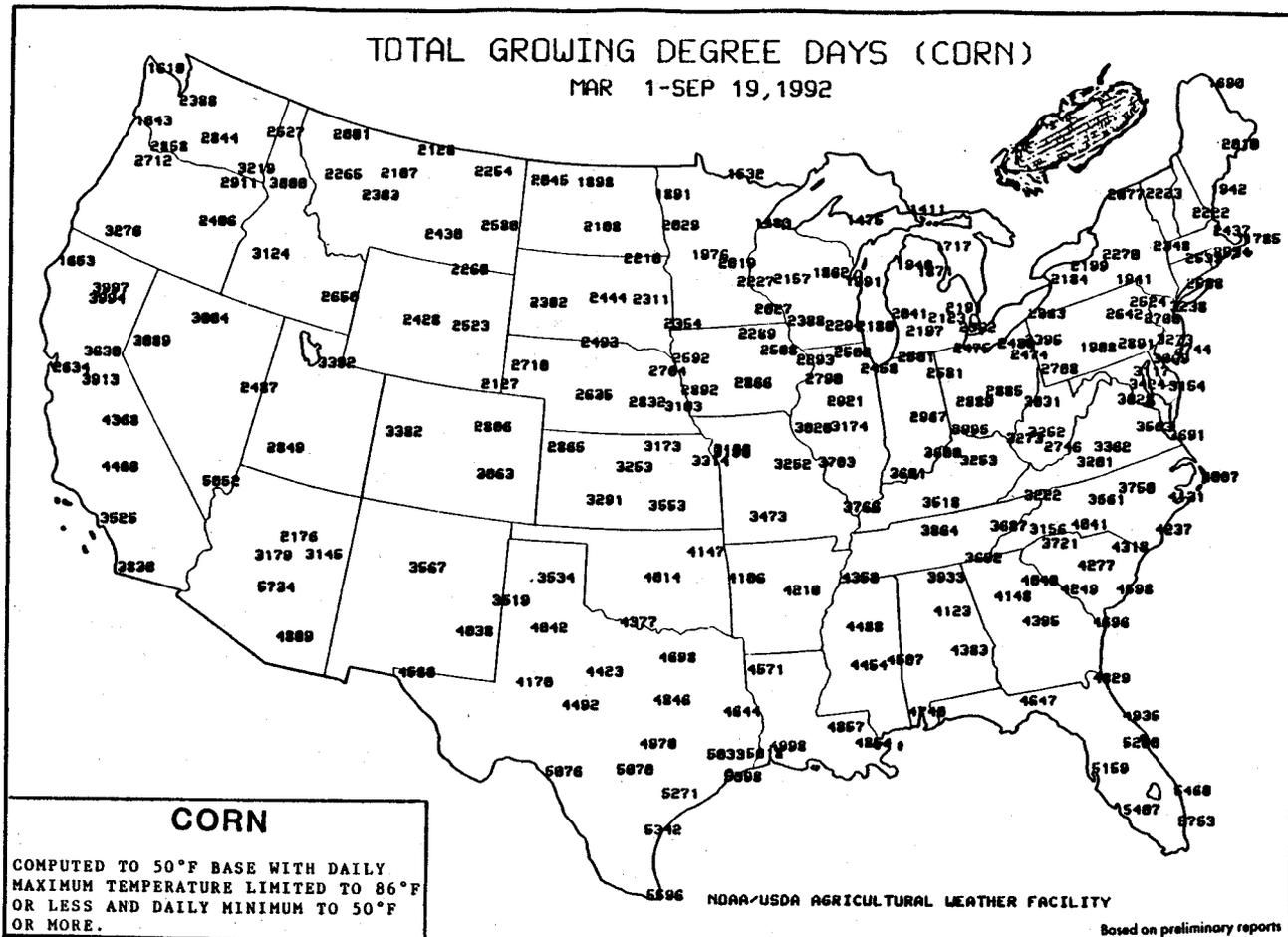
SEP 13-19, 1992



Extreme Minimum Temperature(°F)

SEP 13-19, 1992





# National Weather Data for Selected Cities

Weather Data for the Week Ending September 19, 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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.
															.01 INCH OR MORE				.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	85	67	86	61	76	2	1.7	-.6	.3	5.3	187	40.8	98	95	58	0	0	2	0		
MOBILE	85	70	90	66	78	0	4.4	-.2	1.2	2.4	54	50.6	100	98	66	1	0	4	1		
MONTGOMERY	88	67	92	62	78	1	.0	-1.1	.0	.6	20	44.0	118	97	53	2	0	0	0		
AK ANCHORAGE	49	37	60	29	43	-5	-.8	.3	.6	2.5	161	10.2	99	79	42	0	2	3	1		
BARROW	26	18	29	10	22	-9	-.2	.0	.2	.4	95	2.0	58	94	73	0	7	2	0		
FAIRBANKS	35	24	38	12	30	-15	1.0	-.8	.6	1.4	180	9.7	123	93	64	0	7	5	1		
JUNEAU	51	38	55	29	44	-4	4.1	2.6	1.3	8.6	221	56.6	171	97	63	0	2	5	4		
KODIAK	56	43	65	37	50	0	-.8	-.7	.8	1.0	24	41.1	102	82	45	0	0	1	1		
NCME	39	29	46	24	34	-8	-.4	-.1	.1	1.7	106	9.0	81	76	46	0	6	2	0		
AZ PHOENIX	103	83	106	80	93	8	-.7	-.1	.2	.7	10.9	9.0	227	54	24	7	0	1	0		
PRESCOTT	84	58	88	55	71	4	-.7	-.2	.7	.3	17.5	172	77	77	34	0	0	1	0		
TUCSON	96	70	100	67	83	3	-.9	-.7	.9	.9	106	13.0	157	82	30	6	0	2	1		
YUMA	104	82	107	78	93	6	-.0	-.1	.0	.0	0	3.5	218	74	28	7	0	0	0		
AR FORT SMITH	87	65	92	60	76	3	1.1	-.1	1.0	4.9	244	34.8	120	99	57	2	0	3	1		
LITTLE ROCK	87	66	92	62	77	-.3	-.3	-.3	.2	1.0	35	33.2	92	82	50	2	0	2	0		
CA BAKERSFIELD	93	63	97	55	78	-.0	-.0	-.0	.0	.0	0	5.7	144	59	22	7	0	0	0		
BUREKA	62	49	66	47	55	-.0	-.0	-.0	.0	.0	0	15.3	66	91	69	0	0	0	0		
FRESNO	93	61	96	57	77	-.3	-.3	-.3	.0	.0	0	9.2	131	92	23	7	0	0	0		
LOS ANGELES	77	63	83	61	70	0	-.0	-.0	.0	.0	0	11.9	140	92	59	0	0	0	0		
REDDING	92	55	100	48	73	-3	-.0	-.3	.0	.0	0	20.2	78	56	13	4	0	0	0		
SACRAMENTO	88	53	94	50	71	-1	-.0	-.1	.0	.0	0	10.1	93	90	21	3	0	0	0		
SAN DIEGO	79	67	82	65	73	2	-.0	-.1	.0	.0	0	10.0	157	86	57	0	0	0	0		
SAN FRANCISCO	72	54	87	53	63	-1	-.0	-.0	.0	.0	0	13.4	108	92	52	0	0	0	0		
CO DENVER	83	53	87	42	68	6	-.7	-.7	.7	.7	13.0	105	67	21	0	0	0	0	0		
GRAND JUNCTION	83	58	87	53	71	4	-.1	-.1	.1	.1	20	6.4	114	55	22	0	0	1	0		
PUEBLO	87	53	92	48	70	5	-.6	-.4	.6	.6	100	9.9	110	57	20	4	0	1	1		
CT BRIDGEPORT	77	59	84	50	68	2	-.1	-.7	.1	4.2	200	33.9	115	93	52	0	0	1	0		
HARTFORD	79	53	86	42	66	3	-.1	-.7	.1	1.1	44	30.2	97	97	45	0	0	1	0		
DC WASHINGTON	80	60	86	53	70	-1	-.0	-.7	.1	1.7	80	26.3	91	96	50	0	0	1	0		
FL APALACHICOLA	86	72	88	67	79	0	-.0	-.2	.1	1.5	26	41.9	97	91	50	0	0	0	0		
DAYTONA BEACH	86	71	87	69	79	-1	1.4	-.2	1.2	1.8	41	33.8	92	98	67	0	0	4	1		
JACKSONVILLE	86	69	90	66	78	-1	-.8	-.7	.3	3.2	73	48.1	115	96	62	1	0	6	0		
KEY WEST	88	77	89	72	83	-1	2.1	-.6	1.0	5.0	125	28.9	106	89	63	0	0	7	2		
MIAMI	89	76	90	72	82	1	1.5	-.4	.6	5.5	108	39.0	91	93	61	2	0	0	1		
ORLANDO	90	73	94	71	81	0	1.7	-.2	.8	3.6	85	40.7	100	99	56	4	0	6	1		
TALLAHASSEE	90	69	94	63	79	1	1.1	-.5	.7	3.3	76	50.7	98	92	47	3	0	1	0		
TAMPA	90	72	92	70	81	0	1.1	-.4	.9	2.8	67	29.2	76	97	52	5	0	3	1		
WEST PALM BEACH	87	74	89	72	80	-1	-.8	-.5	.4	4.5	78	41.3	96	96	67	0	0	6	0		
GA ATLANTA	82	66	85	62	74	1	-.1	-.7	.1	5.9	287	38.2	102	91	57	0	0	1	0		
AUGUSTA	88	62	91	57	75	1	-.0	-.8	.0	2.4	103	36.7	106	98	47	3	0	0	0		
MACON	86	66	92	62	76	1	-.0	-.8	.7	1.5	70	40.4	114	92	47	2	0	0	0		
SAVANNAH	86	68	90	65	77	0	-.2	-.2	.7	4.9	139	44.6	108	93	54	1	0	0	0		
HI HILO	84	71	86	65	78	2	3.0	1.6	1.0	16.1	387	72.9	83	96	69	0	0	7	3		
HONOLULU	88	76	90	71	82	2	-.5	.4	.5	2.0	648	8.8	60	86	56	1	0	2	0		
KAHULUI	88	74	90	72	81	2	-.4	-.3	1.0	6.7	8.8	71	89	58	1	0	3	0			
LIHUE	83	78	85	74	80	1	-.5	.7	.4	34	17.2	63	85	70	0	0	0	0			
ID BOISE	76	42	82	31	59	-4	-.0	-.1	.1	17	4.3	54	46	15	0	1	0	0			
LEWISTON	68	46	76	40	57	-6	-.3	-.1	.3	.4	79	7.8	86	67	29	0	0	1	0		
POCATELLO	76	38	79	30	57	-2	-.0	-.1	.0	-.1	22	4.8	63	55	13	0	1	0	0		
IL CHICAGO	78	59	85	42	69	5	1.9	-.9	1.3	3.2	117	19.3	73	91	54	0	0	5	1		
MOLINE	80	59	85	40	69	5	-.7	-.2	.5	4.3	177	27.2	93	97	60	0	0	4	1		
PEORIA	80	58	86	43	69	4	-.4	-.5	.3	4.0	170	20.9	77	91	50	0	0	2	0		
QUINCY	81	60	88	43	71	4	-.4	-.6	.4	1.3	47	18.8	64	78	43	0	0	2	0		
ROCKFORD	77	58	83	41	67	4	2.1	1.2	1.2	4.6	193	21.8	77	93	59	0	0	5	2		
SPRINGFIELD	85	61	91	42	73	6	-.1	-.7	.1	1.0	48	19.0	72	87	41	2	0	1	0		
IN EVANSVILLE	85	58	89	52	71	2	-.6	-.6	.7	.7	41	26.4	84	94	45	0	0	1	0		
FORT WAYNE	80	56	86	44	68	3	-.6	-.6	.7	3.4	209	28.8	111	93	50	0	0	1	0		
INDIANAPOLIS	80	56	85	47	68	1	-.6	-.6	.7	1.3	71	29.4	100	95	52	0	0	1	0		
SOUTH BEND	77	59	85	45	68	4	1.5	-.8	1.3	6.4	313	25.1	90	90	57	0	0	2	1		
IA DES MOINES	78	60	86	40	69	4	2.2	1.5	1.3	4.6	222	25.4	101	91	58	0	0	5	1		
SIoux CITY	77	56	86	39	66	3	-.2	-.4	.1	2.5	152	24.2	114	98	61	0	0	3	0		
WATERLOO	77	57	84	35	67	6	1.1	-.3	.8	1.8	83	22.6	85	93	57	0	0	3	1		
KS CONCORDIA	85	63	92	43	74	7	-.8	-.1	.4	1.3	66	31.4	139	86	40	5	0	3	0		
DODGE CITY	87	61	95	46	74	5	-.4	-.4	.7	.2	18.0	104	77	33	5	0	0	0	0		
GOODLAND	83	53	92	44	68	4	-.3	-.3	.7	3.5	373	23.8	173	87	29	3	0	0	0		
TOPEKA	85	64	91	46	75	6	1.0	-.2	.6	1.6	72	24.9	94	90	49	2	0	4	1		
WICHITA	85	65	93	53	75	5	-.8	-.8	.7	1.4	64	24.9	110	85	43	5	0	0	0		
KY BOWLING GREEN	83	58	88	51	70	0	-.7	-.1	.7	1.4	67	27.3	74	99	54	0	0	1	1		
LEXINGTON	80	60	85	54	70	1	1.1	-.3	1.1	1.5	67	41.2	116	94	53	0	0	2	1		
LOUISVILLE	83	61	88	54	72	2	1.2	-.4	1.1	2.3	105	32.2	98	94	50	0	0	2	1		
LA BATON ROUGE	88	71	93	65	80	2	-.6	-.4	.6	1.2	39	55.9	130	99	60	3	0	2	1		
LAKE CHARLES	89	72	91	70	80	2	-.6	-.7	.3	2.3	63	47.9	122	100	62	3	0	4	0		
NEW ORLEANS	84	73	88	70	79	0	1.4	-.0	.5	3.3	83	57.2	125	97	71	0	0	6	0		
SREVEPORT	90	68	92	63	79	2	1.4	-.6	1.4	3.7	175	35.3	109	97	51	5	0	3	1		

Based on 1951-80 normals.

Weather Data for the Week Ending September 19, 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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	75	51	81	36	63	10	.3	-.5	.1	.5	22	28.6	111	96	49	0	0	4	0		
PORTLAND	75	52	83	40	63	5	.1	-.6	.1	1.5	77	27.9	96	95	53	0	0	1	0		
MD BALTIMORE	81	54	87	49	69	-1	.1	-.8	.1	2.6	117	24.8	80	99	53	0	0	0	0		
SALISBURY	80	58	87	49	69	4	.1	-.9	.1	2.7	104	31.5	93	100	58	0	0	0	0		
MA BOSTON	78	59	85	51	68	1	.1	-.7	.1	1.8	81	26.0	85	87	49	0	0	0	0		
CHATRAM	71	58	75	51	64	2	.1	-.8	.1	1.2	50	28.1	87	82	56	0	0	2	0		
MI ALPENA	73	52	79	37	62	2	1.0	.3	.5	1.6	77	17.9	83	100	59	0	0	4	1		
DETROIT	76	57	81	46	66	5	2.0	1.5	1.7	4.8	327	27.9	121	93	54	0	0	2	1		
FLINT	76	56	82	42	66	5	.4	-.2	.2	2.3	151	28.2	129	93	54	0	0	4	0		
GRAND RAPIDS	74	57	81	42	66	4	1.1	.3	.7	4.3	207	29.6	121	95	61	0	0	3	1		
HOUGHTON LAKE	71	57	78	45	64	7	2.5	1.8	1.6	2.8	156	19.1	93	93	66	0	0	3	1		
LANSING	75	56	83	40	66	6	.6	-.1	.5	2.4	122	25.8	117	92	58	0	0	4	0		
MARQUETTE	66	50	76	35	58	5	1.7	.7	.6	2.1	84	21.3	78	96	73	0	0	5	1		
MUSKEGON	74	58	79	42	66	5	.9	.2	.5	2.4	129	17.2	78	95	60	0	0	3	1		
SAULT ST. MARIE	67	52	74	39	60	5	2.3	1.4	1.1	4.7	187	23.0	98	94	74	0	0	5	3		
MN ALEXANDRIA	70	48	79	41	59	2	.1	-.5	.1	1.3	84	16.6	83	93	54	0	0	1	0		
DULUTH	64	43	73	33	54	0	2.0	1.3	1.0	4.6	215	25.2	108	95	54	0	0	4	2		
INT'L FALLS	63	40	74	27	52	-1	.2	-.5	.1	2.2	108	20.3	106	95	54	0	1	3	0		
MINNEAPOLIS	72	54	83	40	63	3	3.6	3.0	2.6	5.2	308	24.5	114	94	56	0	1	5	2		
ROCHESTER	71	53	78	38	62	4	3.1	2.3	1.6	4.9	224	20.4	90	97	68	0	0	4	3		
MS GREENWOOD	89	68	92	57	79	3	.1	-.8	.1	.3	12	31.7	81	93	51	4	0	0	0		
JACKSON	89	66	93	57	78	2	1.3	.5	.7	2.8	118	33.3	85	100	57	2	0	3	1		
MERIDIAN	89	68	93	59	79	3	.7	-.1	.7	.8	35	46.7	115	91	50	3	0	1	1		
MO CAPE GIRARDEAU	83	61	90	54	72	2	.1	-.9	.1	3.1	123	26.0	77	93	52	1	0	0	0		
COLUMBIA	83	59	88	47	71	2	.4	-.5	.4	2.1	86	20.5	73	92	49	0	0	0	0		
KANSAS CITY	82	63	87	46	72	3	.6	-.4	.4	4.6	168	39.3	139	93	54	0	0	3	0		
SAINT LOUIS	83	64	89	52	74	4	.3	-.6	.4	2.3	131	21.5	83	79	44	0	0	1	0		
SPRINGFIELD	82	62	87	51	72	3	.1	-.6	.4	2.3	131	21.5	83	79	44	0	0	1	0		
MT BILLINGS	71	40	83	31	56	-3	.1	-.2	.1	.6	80	10.2	88	71	24	0	1	0	0		
GLASGOW	66	39	78	29	52	-5	.1	-.1	.1	.2	40	7.4	79	81	28	0	1	2	0		
GREAT FALLS	65	39	78	35	52	-5	.1	-.2	.1	.3	37	11.3	91	72	24	0	0	1	0		
HAVRE	64	36	80	25	50	-7	.1	-.2	.1	.1	12	6.3	64	85	30	0	4	0	0		
HELENA	68	38	79	28	53	-2	.1	-.2	.1	.1	14	6.7	71	67	21	0	2	1	0		
KALISPELL	60	33	70	26	46	-7	.2	.0	.2	.5	71	12.4	107	95	35	0	4	3	0		
MILES CITY	72	40	82	32	56	-3	.1	-.2	.1	1.2	177	12.5	107	83	27	0	1	1	0		
MISSOULA	65	36	73	30	51	-5	.1	-.2	.1	.4	61	9.0	91	83	29	0	2	2	0		
NE GRAND ISLAND	82	56	92	42	69	5	.1	-.6	.1	.8	49	26.1	132	93	47	2	0	0	0		
LINCOLN	83	59	90	41	71	6	.6	-.1	.3	2.3	118	21.4	94	94	49	2	0	3	0		
NORFOLK	78	56	88	42	67	4	.3	-.2	.2	2.6	185	23.4	115	92	53	0	0	2	0		
NORTH PLATTE	82	51	93	39	66	5	.1	-.4	.1	.3	23	21.6	128	93	34	2	0	0	0		
OMAHA	79	60	87	46	69	4	2.1	1.3	1.7	4.3	185	28.6	114	87	62	2	0	3	1		
SCOTTSBLUFF	83	45	91	33	64	3	.1	-.2	.1	.2	24	13.0	104	87	22	1	0	2	0		
VALENTINE	78	48	90	36	63	2	.1	-.3	.1	1.2	117	17.0	112	85	32	1	0	1	0		
NV ELY	78	43	82	35	60	4	.3	.1	.3	.3	56	7.4	109	58	16	0	0	1	0		
LAS VEGAS	97	74	100	68	85	6	.0	-.1	.0	.0	0	6.9	235	32	15	7	0	0	0		
RENO	82	47	87	43	65	4	.1	-.1	.1	.1	30	3.0	59	52	13	0	0	0	0		
WINNEMUCCA	81	40	86	29	61	1	.0	-.1	.0	.1	32	2.1	38	43	12	0	1	0	0		
NH CONCORD	80	49	87	37	64	6	.2	-.5	.2	1.5	73	20.5	81	100	43	0	0	1	0		
NJ ATLANTIC CITY	78	53	85	45	66	-1	.1	-.5	.1	1.7	89	25.3	83	99	56	0	0	1	0		
NM ALBUQUERQUE	84	61	90	56	72	3	.8	.6	.4	.8	141	9.1	152	78	31	1	0	3	0		
CLOVIS	81	60	92	54	70	1	.8	.3	.7	1.2	98	19.3	142	83	38	1	0	2	1		
ROSWELL	87	63	95	56	75	4	.1	-.4	.1	.1	9	12.0	145	86	35	4	0	2	0		
NY ALBANY	79	54	85	42	66	5	.4	-.3	.4	1.7	81	21.1	83	95	47	0	0	1	0		
BINGHAMTON	73	52	79	40	62	3	.2	-.6	.2	1.7	78	28.9	109	94	55	0	0	2	0		
BUFFALO	76	57	80	47	67	5	1.4	.7	1.4	3.5	157	34.0	129	87	51	0	0	1	1		
NEW YORK	81	63	88	55	72	4	.1	-.8	.1	1.5	68	24.6	80	82	44	0	0	0	0		
ROCHESTER	78	56	83	45	67	5	.6	-.1	.6	1.3	76	26.9	119	93	50	0	0	1	1		
SYRACUSE	78	55	84	43	67	5	.6	-.2	.6	2.3	110	32.4	115	93	51	0	0	1	1		
NC ASHEVILLE	79	57	82	52	68	1	.1	-.8	.1	1.4	57	37.2	112	99	48	0	0	1	0		
CHARLOTTE	83	63	86	58	73	1	.1	-.8	.1	3.4	146	34.1	104	88	47	0	0	0	0		
GREENSBORO	81	59	86	53	70	0	.6	-.2	.6	2.0	87	30.8	96	96	50	0	0	1	1		
HATTERAS	84	70	87	68	77	2	.1	-1.3	.1	1.5	40	42.9	108	94	65	0	0	1	0		
NEW BERN	85	66	89	59	76	2	.6	-.7	.4	1.5	40	39.7	96	95	55	0	0	2	0		
RALEIGH	82	61	87	52	72	1	.2	-.5	.2	1.6	73	31.3	98	97	53	0	0	2	0		
WILMINGTON	85	66	88	55	75	1	.3	-1.0	.3	.8	20	50.0	119	96	60	0	0	1	0		
ND BISMARCK	71	42	86	36	57	0	.1	-.3	.1	1.1	124	10.9	84	87	32	0	0	0	0		
FARGO	68	44	77	39	56	-1	1.1	.7	1.0	2.6	206	17.9	111	91	50	0	0	2	1		
GRAND FORKS	65	42	74	38	54	-2	.2	-.3	.2	1.5	106	15.3	101	90	46	0	0	1	0		
WILLISTON	65	40	79	34	52	-4	.1	-.2	.1	.6	72	10.6	94	85	38	0	0	2	0		
OH AKRON-CANTON	75	55	81	46	65	2	.6	-.1	.6	1.2	64	33.3	122	96	56	0	0	1	1		
CINCINNATI	78	56	83	51	67	0	.5	-.1	.5	1.8	98	29.3	97	98	56	0	0	1	1		
CLEVELAND	77	57	84	47	67	3	.4	-.3	.4	2.2	115	34.3	130	92	53	0	0	1	0		
COLUMBUS	78	56	84	48	67	1	.4	-.2	.4	.9	48	31.6	110	98	52	0	0	1	0		
DAYTON	78	56	85	49	67	1	.8	-.2	.8	1.6	99	31.7	119	93	54	0	0	1	1		

Based on 1951-80 normals.

Weather Data for the Week Ending September 19, 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	79	56	86	45	67	4	.2	-.4	.2	2.2	130	25.4	107	95	52	0	0	1	0
YOUNGSTOWN	76	54	81	42	65	3	.4	-.4	.4	1.7	86	29.7	106	98	57	0	0	1	0
OK OKLAHOMA CITY	84	65	89	60	75	2	.3	-.6	.3	2.3	107	30.5	126	94	53	0	0	2	0
TULSA	86	67	90	59	77	3	.2	-.8	.2	2.0	72	29.2	100	87	52	2	0	1	0
OR ASTORIA	64	44	71	39	54	-4	.4	-.3	.2	1.1	63	27.0	67	97	54	0	0	3	0
BURNS	74	32	80	24	53	-5	.0	-.1	.0	.1	47	6.2	95	63	16	0	3	0	0
MEDFORD	85	45	92	38	65	0	.0	-.2	.0	.0	10	7.5	66	76	19	3	0	0	0
PENDLETON	68	45	77	38	57	-7	.1	-.1	.1	.1	27	5.2	67	73	28	0	0	0	0
PORTLAND	70	49	81	42	60	-3	.5	.1	.5	.5	59	16.1	73	93	45	0	0	2	0
SALEM	71	47	80	39	59	-3	.1	-.3	.1	.1	14	16.6	71	86	40	0	0	1	0
PA ALLENTOWN	79	52	84	44	65	1	T	-.9	T	1.5	58	26.6	82	96	47	0	0	1	0
ERIE	78	60	85	49	69	7	1.1	.1	1.1	4.7	185	29.2	105	87	51	0	0	1	1
HARRISBURG	77	56	83	47	67	0	T	-.9	T	2.4	102	21.0	73	93	50	0	0	0	0
PHILADELPHIA	80	60	86	53	70	2	T	-.8	T	1.1	49	19.4	63	92	46	0	0	0	0
PITTSBURGH	76	56	81	47	66	2	.9	.3	.9	1.8	102	27.9	100	94	55	0	0	1	1
SCRANTON	78	53	84	43	66	3	.1	-.6	.1	.8	39	19.3	76	95	46	0	0	1	0
RI PROVIDENCE	79	56	85	48	67	4	T	-.8	T	2.4	108	31.4	99	95	50	0	0	0	0
SC CHARLESTON	84	68	88	64	76	1	.5	-.7	.3	2.3	71	41.1	98	95	59	0	0	2	0
COLUMBIA	87	62	92	56	75	0	.4	-.6	.4	2.6	92	36.5	93	96	45	3	0	1	0
FLORENCE	85	64	91	59	74	0	.3	-.6	.2	3.7	135	36.1	103	96	52	1	0	2	0
GREENVILLE	82	59	86	56	71	-1	T	-.1	T	1.2	39	38.2	98	97	52	0	0	2	0
SD ABERDEEN	70	44	77	35	57	-2	T	-.3	T	1.7	169	14.6	97	91	43	0	0	1	0
HURON	71	47	77	40	59	-1	T	-.3	T	2.4	279	20.7	134	92	52	0	0	1	0
RAPID CITY	78	44	97	32	61	1	.0	-.2	.0	.4	63	11.9	85	76	21	1	1	0	0
ST LOUIS	74	52	83	42	63	2	.1	-.6	.0	3.0	162	27.8	140	91	36	0	0	3	0
TN CHATTANOOGA	82	62	84	55	72	0	.4	-.6	.4	2.9	104	38.1	98	100	60	0	0	2	0
KNOXVILLE	83	62	86	58	73	1	.3	-.4	.3	.9	47	29.3	84	100	57	0	0	3	0
MEMPHIS	87	66	90	57	77	3	.2	-.7	.2	6	26	32.1	83	91	51	2	0	2	0
NASHVILLE	84	64	86	61	74	2	.6	-.2	.5	2.1	85	29.5	81	96	52	0	0	2	0
TX ABILENE	88	67	93	63	78	2	.0	-.7	.0	1.7	87	23.0	130	86	40	1	0	0	0
AMARILLO	84	60	92	46	72	3	T	-.3	T	1.2	14	19.0	118	83	38	0	0	2	0
AUSTIN	92	72	94	69	82	3	.1	-.8	.1	2.2	54	36.9	164	95	47	2	0	0	0
BEAUMONT	89	73	91	72	81	2	.6	-.7	.4	1.7	50	48.6	120	99	60	2	0	1	0
BROWNSVILLE	89	73	91	72	81	0	.7	-.6	.7	3.2	98	24.2	139	97	58	4	0	3	0
CORPUS CHRISTI	89	73	91	72	81	0	1.4	-.2	.8	2.4	56	33.2	141	97	62	4	0	1	1
DEL RIO	92	72	97	71	82	2	T	-.7	T	T	1	18.2	144	82	36	0	0	0	0
EL PASO	92	68	96	66	80	5	.2	-.2	.1	.2	17	9.5	165	78	36	4	0	2	0
FORT WORTH	91	70	95	65	81	3	.0	-.8	.0	2.4	113	30.5	132	92	45	5	0	0	0
GALVESTON	88	78	90	73	83	3	2.1	-.6	1.4	3.9	97	40.3	137	84	59	3	0	4	2
HOUSTON	89	72	93	71	81	2	.6	-.7	.5	1.1	32	41.9	125	100	56	4	0	2	1
LUBBOCK	86	63	90	54	74	3	.1	-.4	.1	.5	53	19.6	139	88	43	1	0	1	0
MIDLAND	89	62	93	58	76	2	.0	-.5	.0	T	2	19.9	192	91	39	2	0	0	0
SAN ANGELO	92	66	97	60	79	3	.0	-.7	.0	.3	14	18.0	135	90	35	5	0	0	0
SAN ANTONIO	91	72	94	66	82	2	T	-.9	T	1.1	46	39.9	189	94	45	5	0	1	0
VICTORIA	92	72	94	70	82	2	T	-.8	.3	1.0	25	41.6	153	99	55	5	0	1	5
WACO	94	71	98	64	82	4	T	-.7	T	2.1	110	29.7	132	95	44	7	0	1	0
WICHITA FALLS	91	67	94	62	79	3	.0	-.8	.0	.9	40	21.2	105	91	42	6	0	0	0
UT CEDAR CITY	80	52	82	46	66	3	.2	.0	.2	.2	31	8.6	113	74	27	0	0	1	0
SALT LAKE CITY	82	55	88	48	69	4	T	-.2	T	.5	87	7.5	67	59	19	0	0	0	0
VT BURLINGTON	77	55	84	40	66	8	.3	-.4	.3	2.1	103	20.7	84	94	48	0	0	3	0
VA NORFOLK	81	67	89	60	74	2	.1	-.9	.1	1.6	56	36.6	107	91	59	0	0	1	0
RICHMOND	82	58	88	51	70	0	T	-.8	T	1.9	85	33.9	105	98	51	0	0	1	0
ROANOKE	82	56	86	51	69	1	T	-.7	T	1.1	55	31.9	110	96	46	0	0	0	0
WA QUILLAYUTE	61	39	65	31	50	-7	T	-.5	T	1.7	48	53.9	86	97	55	0	1	2	0
SEATTLE-TACOMA	67	47	72	44	57	-3	.1	-.4	.1	.4	31	20.0	90	89	39	0	0	1	0
SPOKANE	63	39	73	31	54	-2	.0	.2	.3	.6	60	8.5	79	79	30	0	1	1	0
YAKIMA	69	39	81	33	54	-7	.1	.2	.2	.2	82	4.2	84	91	36	0	0	1	0
WV BECKLEY	76	56	80	50	66	4	.3	-.6	.2	.8	35	29.9	92	91	55	0	0	2	0
CHARLESTON	81	57	86	50	69	1	.4	-.3	.3	.5	25	31.6	97	99	53	0	0	2	0
HUNTINGTON	81	57	87	49	69	0	.6	-.1	.6	.7	34	29.9	95	99	51	0	0	1	1
PARKERSBURG	79	57	86	48	68	1	.4	-.2	.4	1.0	52	27.3	93	99	54	0	0	1	0
WI GREEN BAY	71	55	80	40	63	5	4.6	3.8	2.5	5.1	245	21.3	99	97	64	0	0	5	3
LACROSSE	75	58	81	43	67	5	4.4	3.6	1.5	6.4	277	25.5	105	93	61	0	0	5	3
MADISON	74	58	81	41	66	6	3.3	2.6	1.8	5.1	253	23.0	95	92	61	0	0	4	2
MILWAUKEE	74	58	79	44	66	5	1.3	.6	.5	3.3	177	23.9	101	90	60	0	0	5	0
HAUSAU	69	53	77	37	61	4	4.1	3.2	1.8	7.5	291	25.4	101	99	65	0	0	6	3
WY CASPER	82	40	87	31	61	3	.0	-.2	.0	.1	11	7.1	80	63	10	0	1	0	0
CHEYENNE	77	45	82	31	61	3	T	-.2	T	T	1	10.3	91	68	22	0	1	1	0
LANDER	78	43	83	33	61	3	.0	-.2	.0	T	6	10.3	101	49	11	0	0	0	0
SHERIDAN	74	36	83	28	55	-2	T	-.3	T	.3	47	11.5	97	80	22	0	2	0	0

Based on 1951-80 normals.

## National Agricultural Summary

September 14 - 20, 1992

**HIGHLIGHTS:** Heavy rains in the Great Lakes and parts of the Mississippi Valley limited harvest activities. Warmer weather across much of the Nation promoted crop development.

**SMALL GRAINS:** Winter wheat seeding progressed well for the 19 major producing States. Thirty-two percent (%) of the acreage had been seeded, compared with 26% for both last year and the 5-year average. Winter wheat harvest continued in Montana. Spring wheat harvest also progressed well but continued to lag behind normal. Harvest was 77% complete in the five major States, 22 percentage points behind both last year and the average. Harvest was nearly complete in Idaho and South Dakota. Barley and oats seeding was nearing completion.

**CORN:** Slow crop development and wet weather across the Corn Belt limited harvest activities. Harvest was only 5% complete, compared with 20% last year and 13% average. Twenty-eight percent of the acreage had fully matured, 51 points behind last year and 41 points behind the average. Seventy-six percent of the crop had denting, compared with 97% last year and 95% average. Much of the acreage in the northern Corn Belt remained vulnerable to frost. Crop condition ratings, however, remained mostly good.

**SOYBEANS:** Above-normal temperatures across the East aided crop development, but development continued to be very delayed in the northernmost producing States. Crop development remained advanced in the Delta. Leaves were dropping on 39% of the acreage in the 19 major producing States, compared with 56% last year and 50% average. Crop condition was fair in Louisiana and Minnesota, and good in the other major States. Harvest was becoming common.

**COTTON:** Warmer weather across most of the Nation promoted crop development. Cotton progress was behind normal, however, in several of the major producing States, but ahead of schedule in the Southwest. Boll opening was 49% complete in the 14 major producing States, 9 points behind last year and 8 points behind the historic average. Cotton condition rated fair to good, with picking advancing in Texas, the Delta, and the Southwest.

**GRAIN SORGHUM:** Higher temperatures helped crop development in the Great Plains, while harvest progressed further South. Harvest was in full swing in Texas and the Delta, carrying progress to 25% complete for the 12 major

States. Thirty-five percent of the crop was mature and 70% was coloring, both delayed from last year and the average. Crop condition remained predominately good.

**RICE:** Rice harvest accelerated, with progress ahead of last year and the average in all major States except Texas. Harvest was nearing completion in Texas and Louisiana. Condition ratings were mostly fair in Louisiana and good elsewhere.

**OTHER FIELD CROPS:** Fall potato harvest was in full swing from Washington to Maine and started in California's Tularelake-Butte Valley area. Dry bean harvest was active in the North Central and Northwestern States. Sweetpotato harvest made headway in the West, Delta, and East. Sunflower harvest increased in Texas. Flax was being harvested in Minnesota and the Dakotas. Peanut digging was active between rains in the Southeast. Tobacco harvest was winding down in the South.

**FRUIT AND NUTS:** Apples and pistachios were being picked in Arizona. Raisin, juice, wine, and table grape harvests continued in California, and raisin rolling and binning were in full swing. Seasonal stone fruit harvests were ending in California, while apple picking was increasing nationwide. California walnut and almond harvests continued. Cranberry harvest was starting in Oregon, New Jersey, and New England.

**VEGETABLES:** Sweet corn harvest was ending in California's central valley, while harvest of sweet corn for processing use was progressing in the Northern States. Lettuce growers in California's Westside district were battling heavy leafminer infestation. Rain hampered field activity in central and southern Florida, while harvests of cucumbers and squash continued in the northern part of the State. Processing tomato harvest was active in Ohio.

**PASTURES AND LIVESTOCK:** Movement of cattle and sheep from summer range increased in the Rocky Mountains and the West. Dry weather across much of the West has limited forage supplies on ranges and pastures. Range and pasture conditions continued to rate good further East, however, as moisture supplies continued to be adequate.

### Crop Progress

for the Week Ending September 20, 1992

#### GRAIN SORGHUM (Percent Coloring)

	Current	Last Wk	1991	Avg.
AR	100	100	88	94
CO	56	41	67	65
IL	90	82	91	84
KS	55	35	80	80
LA	100	100	100	100
MS	100	100	100	100
MO	90	83	92	88
NE	68	43	99	95
NM	60	40	83	NA
OK	83	75	90	93
SD	39	26	92	94
TX	82	78	92	92
12 States	70	57	88	NA
Excl. States with NA	70	57	88	88

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

#### GRAIN SORGHUM (Percent Mature)

	Current	Last Wk	1991	Avg.
AR	90	86	73	78
CO	13	6	18	21
IL	38	16	64	62
KS	10	5	35	30
LA	99	98	88	93
MS	95	93	79	85
MO	55	43	56	53
NE	4	1	83	60
NM	5	4	8	NA
OK	18	12	23	29
SD	12	7	69	61
TX	72	70	81	76
12 States	35	31	59	NA
Excl. States with NA	36	31	60	54

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

#### GRAIN SORGHUM (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	66	NA	49	54
CO	0	NA	0	0
IL	2	NA	18	15
KS	1	NA	15	5
LA	89	NA	75	78
MS	63	NA	44	59
MO	17	NA	23	21
NE	0	NA	16	6
NM	0	NA	0	0
OK	5	NA	5	5
SD	0	NA	11	6
TX	68	NA	73	63
12 States	25	NA	34	26

NA - not available.

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

#### CORN (Percent Dented)

	Current	Last Wk	1991	Avg.
CO	75	48	76	81
GA	100	100	100	100
IL	80	72	100	96
IN	91	69	100	95
IA	76	61	94	99
KS	90	75	96	96
KY	96	90	99	91
MI	25	10	95	80
MN	70	39	96	97
MO	96	91	99	98
NE	89	71	100	98
NC	98	95	100	100
OH	85	65	100	94
PA	45	36	81	62
SD	58	40	100	97
TX	96	93	100	100
WI	40	25	88	85
17 States	76	61	97	95

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

#### CORN (Percent Mature)

	Current	Last Wk	1991	Avg.
CO	16	6	38	35
GA	100	100	100	100
IL	25	15	99	77
IN	29	11	88	67
IA	36	18	78	85
KS	75	60	85	80
KY	75	57	85	72
MI	2	0	60	30
MN	8	2	57	64
MO	59	40	89	82
NE	18	6	84	69
NC	92	84	96	95
OH	15	5	56	36
PA	4	4	39	20
SD	18	9	87	74
TX	82	70	86	92
WI	7	5	63	49
17 States	28	17	79	69

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

#### CORN (Percent Harvested)

	Current	Last Wk	1991	Avg.
CO	0	NA	0	0
GA	74	NA	91	86
IL	3	NA	40	18
IN	3	NA	25	11
IA	2	NA	7	10
KS	20	NA	45	30
KY	15	NA	32	20
MI	0	NA	5	3
MN	0	NA	2	6
MO	14	NA	40	25
NE	0	NA	13	8
NC	34	NA	50	37
OH	1	NA	15	3
PA	0	NA	6	2
SD	0	NA	15	7
TX	64	NA	69	73
WI	0	NA	4	3
17 States	5	NA	20	13

NA - not available.

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

#### WINTER WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	0	0	0	0
CA	0	0	0	0
CO	57	25	35	37
GA	2	1	5	2
ID	31	19	22	18
IL	1	0	3	2
IN	4	2	8	6
KS	30	10	20	20
MI	15	5	15	10
MO	4	1	5	6
MT	24	10	42	40
NE	64	22	52	53
NC	4	3	7	5
OH	1	0	4	4
OK	37	19	31	26
OR	17	7	14	10
SD	64	29	69	67
TX	32	20	32	34
WA	67	53	34	47
19 States	32	15	26	26

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

#### SOYBEANS (Percent Dropping Leaves)

	Current	Last Wk	1991	Avg.
AL	17	10	12	22
AR	10	9	10	8
GA	24	12	33	28
IL	56	33	70	57
IN	52	24	81	57
IA	38	10	43	56
KS	60	15	65	50
KY	30	23	32	30
LA	33	28	12	23
MI	15	3	75	45
MN	42	7	69	83
MS	38	20	9	22
MO	44	19	37	34
NE	27	7	75	59
NC	13	9	16	8
OH	40	15	100	50
SC	2	1	8	5
SD	27	16	89	87
TN	21	10	17	28
19 States	39	17	56	50

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

#### COTTON (Percent Bolls Opening)

	Current	Last Wk	1991	Avg.
AL	42	24	64	72
AZ	97	92	82	90
AR	55	30	55	69
CA	100	95	80	86
GA	49	36	72	68
LA	92	85	77	85
MS	82	65	81	85
MO	37	15	71	71
NM	39	35	46	47
NC	40	30	87	76
OK	23	16	19	18
SC	76	55	81	67
TN	56	28	69	70
TX	26	23	43	37
14 States	49	40	58	57

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

### RICE (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	53	31	38	34
CA	15	5	1	3
LA	89	79	84	84
MS	52	33	22	43
TX	80	73	97	98
5 States	58	43	48	49

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

### SPRING WHEAT (Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	99	99	92	97
MN	71	42	100	100
MT	75	65	97	96
ND	74	61	100	100
SD	97	89	100	100
5 States	77	63	99	99

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

## Crop Condition (Percent)

for the Week Ending September 20, 1992

### CORN

State	VP	P	F	G	EX
CO	2	6	17	58	17
GA	0	1	7	78	14
IL	0	0	8	82	10
IN	0	0	17	75	8
IA	0	0	10	70	20
KS	0	0	10	36	54
KY	0	0	3	51	46
MI	5	10	20	45	20
MN	7	15	48	28	2
MO	0	0	17	63	20
NE	0	5	16	56	23
NC	0	2	29	63	6
OH	1	4	20	50	25
PA	1	4	16	52	27
SD	1	2	20	63	14
TX	0	4	13	61	22
WI	2	8	35	51	4
17 State	1	3	18	62	16
Prev Week	1	4	18	61	16
Prev Year	4	11	34	43	8

### SOYBEANS

State	VP	P	F	G	EX
AL	0	0	2	61	37
AR	0	0	15	74	11
GA	0	0	6	83	11
IL	0	0	14	80	6
IN	0	1	22	70	7
IA	0	0	20	67	13
KS	0	0	4	46	50
KY	0	0	13	75	12
LA	0	6	60	34	0
MI	3	7	30	40	20
MN	5	15	59	21	0
MS	0	1	7	91	1
MO	0	1	21	70	8
NE	0	2	6	71	21
NC	0	3	30	65	2
OH	2	7	29	46	16
SC	0	1	49	50	0
SD	1	2	22	65	10
TN	0	0	3	79	18
19 State	1	3	23	62	11
Prev Week	1	3	23	62	11
Prev Year	3	12	39	42	4

### COTTON

State	VP	P	F	G	EX
AL	0	0	10	86	4
AZ	0	0	30	55	15
AR	0	0	32	68	0
CA	0	0	0	65	35
GA	0	0	32	65	3
LA	0	24	51	25	0
MS	0	8	53	31	8
MO	0	0	30	59	11
NM	0	12	47	41	0
NC	0	6	57	37	0
OK	0	36	28	36	0
SC	1	2	71	26	0
TN	0	0	23	71	6
TX	1	10	64	23	2
14 State	0	8	49	38	5
Prev Week	3	3	56	34	4
Prev Year	0	7	36	52	5

### GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	0	75	25
CO	0	4	23	59	14
IL	0	0	18	75	7
KS	0	5	19	36	40
LA	2	13	39	46	0
MS	0	1	23	70	6
MO	0	0	12	77	11
NE	0	1	20	62	17
NM	0	0	2	98	0
OK	0	1	4	86	9
SD	0	9	30	55	6
TX	0	2	25	63	10
12 State	0	3	20	57	20
Prev Week	0	5	19	57	19
Prev Year	6	14	39	35	6

### RICE

State	VP	P	F	G	EX
AR	0	0	6	94	0
CA	0	0	0	75	25
LA	1	9	70	20	0
MS	0	0	22	78	0
TX	0	0	44	55	1
5 State	0	1	23	74	2
Prev Week	0	2	30	61	7
Prev Year	N/A	N/A	N/A	N/A	N/A

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 none to 2.04 in. north, none to 2.06 in. central, none to 2.20 in. south. Temperatures 1° below normal to 4° above normal north, normal to 4° above normal central, south; Lows 54 to 65° north; 55 to 63° central; 60 to 68° south. Highs 82 to 90° north; 86 to 92° central; 88 to 92° south.

Days suitable for fieldwork 5.8. Soil moisture 19% short, 72% adequate, 9% surplus. Dry conditions allowed crop progress, harvest to catch up. Corn 61% harvested, 83% 1991, 72% avg.; 12% fair, 35% good, 53% excellent. Sorghum 31% harvested, 51% 1991, 54% avg.; sorghum condition 10% fair, 76% good, 14% excellent. Peanuts 42% dug, 53% 1991, 43% avg.; 38% combined, 42% 1991, 32% avg.; 35% fair, 59% good, 6% excellent. Pasture 13% fair, 70% good, 17% excellent. Livestock 1% fair, 84% good, 15% 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:** Heavy snow accumulation, in the northern regions of the Railbelt, paralyzed most crop harvests. Several hundred acres of unharvested barley, oats, hay, potatoes lay beneath snow. Elsewhere, cold temperatures with a mixture of rain, snow plagued progress. Highs 5 to 20° below normal. Lows 3 to 16° below normal. Seasonal precipitation 2.89 in. drier than normal at Homer to 1.48 in. wetter than normal at Clearwater.

Days suitable for hay, grain 1.0. Potato digging 4.0. Topsoil, subsoil 70% adequate, 30% surplus. Barley ripe, 15% swathed, 80% harvested. Oats ripe, 20% swathed, 15% harvested. Second crop hay 40% complete. Commercial potato harvest 65% complete. Winter straw availability mostly short to adequate.

**ARIZONA:** Humid, warmer, thunderstorms during the period. Thunderstorms 13th Tucson, 0.94 in., 14th Sonoita 1.34 in., 15th north Rim 2.35 in., 19th Wittmann 3.30 in. Temperatures normal to 8° above normal. Extremes 42°; 96° higher elevations, 59°; 107° deserts.

Cotton bolls opening 97%, 82% 1991, 90% avg.; harvested 17%, 4%, 5% avg.; 30% fair, 55% good, 15% excellent; insects moderate to severe, central, severe, west; light, east; weeds light to moderate; Activities included insect monitoring, pesticide applications, irrigating, statewide; defoliating: active west, central, moderate south central; harvesting, west, central. Alfalfa, good; weeds, insects light; harvest, moderate. Lemon harvest, west. Cantaloupes, watermelons, honeydews, green onions harvested, central. Apples, pistachio, squash, garlic, east. Chili peppers harvested central, east.

**ARKANSAS:** Temperatures above normal, scattered showers, thunderstorms, latter part of week. Extremes 50°; 95°. Rainfall none to 2.63 in.

Days suitable for fieldwork 7. Soil moisture 72% short, 28% adequate. Main farming activities: Defoliating cotton, applying herbicide to soybeans, irrigating soybeans, wheat seedbed

preparation, harvesting milo, corn, rice, hay, pasture weed control, fall forage planting, working cattle, harvesting apples. Cotton harvest sporadic with few fields picked. Tobacco bud worm and boll worm pressure reported high in late fields in southeast. Rice harvest progressed rapidly. Yields reported mostly good. Soybeans in need of moisture in east central, southeast. Some cases of sudden death syndrome reported in east central. Soybeans harvested 5%, 0% 1991, 0% avg. Grain sorghum harvest continued. Yields mostly good. Corn 2% fair, 60% good, 38% excellent. Yields good to excellent. Corn harvested 78%, 82% 1991, 81% 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:** Upper level low pressure remained near coast through midweek. Temperatures below normal; no precipitation reported through 16th. Thunderstorms developed mountains 17th.

Good progress field activities, open weather. Few dryland wheat fields harvested. Rice harvest full swing. Limited straw burning underway as air quality regulations allowed. Cotton defoliation, harvest active desert areas. San Joaquin Valley harvest just underway; defoliation full swing. Alfalfa green chopped, some sprayed worm control. Planting sugar beets, next years crop. Alfalfa seed, dry beans, grain corn, silage corn, safflower, sugarbeets harvested. Ground preparation fall seeded small grains, forage crops. Alfalfa hay harvest normal. Raisin, juice, wine, table grape harvest continued. Raisin rolling, binning full swing. Limited quantity end season pears, peaches, nectarines, plums harvested. Walnut, almond harvest continued. Fresno, Merced pistachio harvest beginning. Almond, walnut, pistachio orchards, fumigation Navel Orange Worm. Granny Smith apples, Fuji apples, pomegranates, persimmons packed. Kiwifruit sized well. Quince harvest progressed, good size, color. Lemons harvested desert areas; grapefruit, avocados western half Riverside County. Sunburn noticeable early varieties Valencia oranges. Strawberry harvest fairly light to fairly good demand central coast. Limited quantities picked Sanger district. Broccoli fairly heavy, cauliflower moderate, variable quality central coast. Plantings Patterson-Newman area growing well. Carrots fairly light central district. Celery moderate, good quality Salinas-Watsonville, variable quality Santa Maria. Sweet corn harvest ending central valley. Iceberg lettuce central coast moderate, variable quality. Westside growers battle heavy leafminer infestation, proceeding with thinning, irrigation. Whiteflies showing up desert area fields. Leaf, Romaine lettuce moderate, variable quality Salinas-Watsonville. Melon harvest decreasing central valley, desert crop progressing well. Summer onion digging ongoing central, southern districts. Summer potato harvest being completed, fall planting started Perris-Hemet area. Early fall potato harvest started Tulelake-Butte Valley area. Sweet potato harvest made headway central valley. Processing tomato harvest being completed some areas. Fresh market tomato growers Westside area treating fall fields for leafminer, pinworm infestation, other areas progressing well. Other

vegetables harvested: beans, cucumbers, peas, peppers, various oriental vegetables. Range, pasture conditions mostly fair mid-central, poor north central, good elsewhere. Irrigation season winding down. Water supplies short. Supplementary feeding continued. Cattle good shape; good demand for stockers, feeders, replacement cows, cow/calf pairs. Sheep grazed stubble, tomato fields.

**COLORADO:** Mostly dry, warm over State. Few light showers occurred on 17th, 19th, 20th through State. Rainfall generally between 0.10 to 0.50 in. Temperatures 4 to 6° above normal.

Days suitable for fieldwork 6.5. Soil moisture 3% very short, 35% short, 61% adequate, 1% surplus. Alfalfa 3rd cutting 48%, 46% 1991, 50% avg. Fourth cutting alfalfa is just underway. Barley harvested 95%, 88% 1991, 95% avg. Oats harvested 88%, 86% 1991, 89% avg. Spring wheat harvested 67%, 55% 1991, 70% avg. Sorghum turning color 56%, 67% 1991, 65% avg.; mature 13%, 18% 1991, 21% avg. Dry beans harvested 38%, 37% 1991, 33% avg. Dry bean 8% poor, 33% fair, 50% good, 19% excellent. Fall potatoes harvested 20%, 5% 1991, 12% avg. Dry onions harvested 64%, 64% 1991, 56% avg. Corn dent stage 75%, 76% 1991, 81% avg.; mature stage 16%, 38% 1991, 35% avg.; silage harvested 43%, 51% 1991, 48% avg.; 2% very poor, 6% poor, 17% fair, 58% good, 17% excellent. Winter Wheat seeded 57%, 35% 1991, 37% avg. Livestock mostly good. Pasture, range feed excellent.

**FLORIDA:** Temperatures within 1 to 2° of normal. Highs; mostly low 90s, few mid 90s interior. Lows; mid 60s north, upper 60s to low 70s elsewhere, except mid 70s lower southeast coast. Scattered showers, thunderstorms during much of week. Rainfall varied from zero at some Panhandle locations to 4.40 in. Kissimmee (central), 3.98 in. Jay (Panhandle), 3.14 in. Hastings (northeast), 3.07 in. Ruskin (west central).

Soil moisture mostly adequate to surplus throughout State. Peanut, corn harvest active. Tobacco marketing active. Sugarcane planting gaining momentum. Haymaking active. Preparations underway for cotton harvest. Cotton, soybeans, sugarcane making good progress. Citrus groves, trees very good to excellent. Moisture adequate, fertigation reduction most areas. New crop fruit making normal progress. First shipments of the season are red grapefruit from southern areas. More fruit waiting to be tested, packed. Caretakers cutting cover crops, spraying, planting young trees. Normal late summer weather for vegetable producing areas. Soil moisture adequate most locations, surplus west central. Rain hampered field activity central, south. Harvesting cucumbers, squash, north, with harvest of snap beans, sweet corn, cabbage, tomatoes to begin 7 to 10 days. State's pastures fair to excellent. Pasture 20% fair, 60% good, 20% excellent. Moisture levels mostly adequate to surplus. State's cattle herds mostly good.

**GEORGIA:** Dry, pleasant week. Precipitation under 0.50 in. except few locations over 1.00 in. in mountains. Rainfall up to 1.00 in. below normal. Week started cool, yet temperatures 1 to 3° above normal most locations. Warmest from low 80s northeast mountains to mid 90s in south. Coolest upper 40s northeast mountains, north 50s, central, south low to mid 60s.

Days suitable for fieldwork 5.9. Soil moisture 2% very short, 27% short, 67% adequate, 4% surplus. Corn harvest 2 weeks behind normal. Cotton 1% harvested, 6% 1991, 11% avg. Sorghum

15% fair, 85% good; 36% harvested for grain, 53% 1991, 48% avg. Peanuts 27% fair, 66% good, 7% excellent; 35% dug, 59% 1991, 51% avg.; 20% threshed, 43% 1991, 36% avg.; disease problems increasing. Soybeans 99% setting pods, 99% 1991, 100% avg.; 0% harvested, 1% 1991, 1% avg. Wheat seedbed preparations active. Rye 5% planted, 10% 1991, 6% avg. Other small grains 3% planted, 5% 1991, 4% avg. Fall vegetables improve. Apples 23% fair, 77% good; 56% harvested, 73% 1991, 62% avg. Peanuts 29% very poor, 12% poor, 50% fair, 9% good. Hay, pastures good. Pasture overseeding, mowing active. Hay harvest active, slowed by showers, damp conditions north. Cattle, hogs good.

**HAWAII:** Tropical disturbance Orlene brought wet weather to the State, mainly affecting Hawaii island. A flash flood watch was in effect for the islands at midweek. Sunny skies returned by weekend. Temperatures high 70s to low 90s. Winds 5 to 25 mph with some gusts. Rainfall 0.02 to 8.80 in.

Days suitable for fieldwork 7.0. Heavy rains disrupted, delayed farm activities some localities. Further assessment agriculture damage from Hurricane Iniki (Sept. 11) briefly summarized for Kauai, Oahu: Kauai island suffered heaviest damage. About 25% of State's sugarcane affected, losses not fully determined, industry assessment expected within 2 weeks. Damage to sugarmills varies, some not appraised yet. Macadamia nut acreage, less than 3% of State's total, suffered heavy damage. Major coffee plantings variable damage, remaining berries will be harvested. Major guava plantings, heavy loss of fruit. Papaya orchards, 1 to 2% of State's acreage, heavy losses. Most farms suffered some structural damage, loss, degree varies. On Oahu island, banana orchards had heavy wind damage. Half of State's banana acreage is on Oahu.

**IDAHO:** Temperatures 1 to 10° below normal throughout the State. Precipitation was recorded in the north; Boise received trace amounts in the southwest.

Days suitable for fieldwork 7. Soil moisture 28% very short, 33% short, 39% adequate. Spring barley harvested 99%, 94% 1991, 97% avg. Oats harvested 96%, 90% 1991, 95% avg. Potatoes 99% vines dying/killed, 20% harvested. Potato good. Third cutting alfalfa 80%, 43% 1991, 58% avg. Sugarbeet harvested 10%, 6% 1991, 6% avg. Dry bean harvest 50%, 37% 1991, 58% avg. Onion harvest 70%, 50% 1991, 51% avg. Field corn for silage 59%. Sweet corn for processing 83% harvested. Apples harvest 42%, 11% 1991, 18% avg. Hops harvest 99%, 76% 1991, 72% avg. Irrigation water supplies 31% very poor, 25% poor, 24% fair, 20% good. Activities: 3rd cuttings of alfalfa, harvesting of sugarbeets, onions, dry beans, potatoes. Pasture, range 47% of normal. Livestock good.

**ILLINOIS:** Low pressure, a warm front brought significant rainfall to State late in the week, 0.12 to 2.90 in. across the State. High temperatures 70s to 80s, which was up to 3° above normal across the State. Low temperatures mid 50s to lower 60s, which ranged from 2 to 7° above normal.

Days suitable for fieldwork 5.5. Soil moisture 21% short, 71% adequate 8% surplus. Soybeans turning yellow 85%, 91% 1991, 84% avg.; harvested less than 6%, 20% 1991, 13% avg. Corn dough stage 93%, 100% 1991, 100% avg. Alfalfa third cutting 89%, 93% 1991, 93% avg. Pasture 87% of normal.

**INDIANA:** Temperatures 2 to 3° above normal across the State. Highs mid 70s to mid 80s. Lows low 50s to near 60. Precipitation 1.00 to 2.00 in. north, less than 0.50 in. south.

Days suitable for fieldwork 6.0. Topsoil 16% short, 79% adequate, 5% surplus. Subsoil 16% short, 81% adequate, 3% surplus. Alfalfa third cutting 78%. Tobacco harvest 77%, 84% 1991, 76% avg. Pasture 90%, 94% last week, 50% 1991. Soybeans turning color 91%, 96% 1991, 80% avg. Soybeans harvested 3%, 19% 1991, 13% avg.

**IOWA:** Temperatures 3 to 4° above normal. Extremes 35°; 87°. Rainfall none to 12.77 in.; average 2.34 in., normal 0.79. Record floods south-central with ten counties exceeding once in one-hundred year rainfall. First week with above normal temperatures in 14 weeks.

Days suitable for fieldwork 2.4. Topsoil 52% adequate, 48% surplus. Subsoil 73% adequate, 27% surplus. Pasture 13% fair, 63% good, 24% excellent. Corn in/past dough stage 96%, 98% 1991, 100% ave. Corn needs warm drying weather. Soybeans turning color 80%, 71% 1991, 86% avg. Soybean harvested 1%. Third cutting alfalfa 80% harvested, 91% 1991, 96% avg. Livestock generally good. Muddy feed lots were becoming problem.

**KANSAS:** Temperatures 3 to 11° above normal over State. Significant precipitation received in the northeastern areas of State.

Days suitable for fieldwork 6.5. Surface moisture 58% short, 42% adequate. Subsurface moisture 12% short, 87% adequate, 1% surplus. Principle farm activities are preparing for fall harvest, wheat planting. Row crops good to excellent. Corn, sorghum progress still behind normal. Above normal temperatures the past week helped crops make progress to maturity. Open weather allowed wheat seeding to make good progress. Pastures are still very good. Forage, stockwater adequate for State, with very few shortages. Virtually all alfalfa cut third time. About 45% cut fourth time.

**KENTUCKY:** High temperatures mid to upper 80s, lows low to mid 50s. Average temperature 70°. Most of State received rain, with heaviest over South, 2.00 in.

Days suitable for fieldwork 5.4. Soil moisture 2% very short, 34% short, 63% adequate, 1% surplus. Corn good to excellent. Moisture levels lower. Yields good to excellent. Soybeans mostly good. Burley tobacco 80% cut, 87% 1991, 82% avg. Dark tobacco 85% cut, 81% 1991, 82% avg. Hay crops mostly good.

**LOUISIANA:** Temperatures 0.7° below to 3.3° above normal. Extremes 54°; 94°. Rainfall 0.20 in. central to 1.94 in. southeast.

Days suitable for fieldwork 5.0. Soil moisture 4% very short, 24% short, 52% adequate, 20% surplus. Corn 99% harvested, 99% 1991, 96% avg. Cotton 8% harvested, 6% 1991, 18% avg. Spraying of defoliants active. Hay 89% second cutting, 66% 1991, 72% avg. Rice 96% ripe, 90% 1991, 94% avg. Second crop rice management continued, southwest. Sorghum 89% harvested, 75% 1991, 78% avg. Soybeans 100% setting pods, 98% 1991, 99% avg.; 70% leaves turning color, 24% 1991, 45% avg.; 8% harvested, 0% 1991, 4% avg. Stinkbugs being sprayed in soybeans. Sugarcane 29% poor, 69% fair, 2% good; 38% planted, 65% 1991, 59% avg. Sweet potatoes 2% poor, 17% fair, 81% good; 41% harvested, 44% 1991, 50% avg. Livestock 2% poor, 30% fair, 59% good, 9% excellent. Pastures 1% very poor, 7% poor, 5% fair, 84% good, 3% excellent. Vegetables 7% very poor, 20% poor, 50% fair, 23% good. Preparing land for winter pastures, wheat. Crawfish pond flooding active.

**MARYLAND & DELAWARE:** MARYLAND: Trace of precipitation. Temperature 66.9°, normal 67.5°. Extremes 40°; 89°.

Days suitable for fieldwork 6.3. Topsoil 25% short, 70% adequate. Subsoil 26% short, 74% adequate. Corn good condition: dough stage 97%, 100% 1991, 98% avg.; 73% dent, 98% 1991, 91% avg.; 37% mature, 79% 1991, 62% avg. Grain harvest beginning, silage harvested 20%, 85% 1991, 70% avg. Soybeans fair to good condition: 95% setting pods, 100% 1991, 94% avg.; 34% turned, 48% 1991, 35% avg. Tobacco good; 87% harvested, 88% 1991, 83% avg. Pastures excellent. Alfalfa third cutting 96%, other hay third cutting 67%. Fruit harvested: Peaches 92%; apples 30%. Vegetable, melon harvest nearly complete, lima beans, sweet potato harvest active, few acres small grains seeded.

DELAWARE: No precipitation. Temperature 67.2°, normal 68.3°. Extremes 47°; 87°.

Days suitable for fieldwork 6.9. Topsoil 50% short, 50% adequate. Subsoil 38% short, 62% adequate. Soybeans good; 94% setting pods, 100% 1991, 97% avg.; 21% turned, 39% 1991, 28% avg.; 7% shedding leaves, 15% 1991, 8% avg. Corn fair to good; 95% dent, 100% 1991, 98% avg.; 33% mature, 94% 1991, 70% avg. Sorghum 18% turned. Alfalfa fourth cutting 54%; other hay third cutting 79%, supplies mostly adequate. Peach picking virtually complete; apples 29%. Vegetable, melon harvest nearing end. Pastures mostly excellent.

**MICHIGAN:** Temperatures 2 to 7° above normal. Extremes 35°; 86°. Precipitation 0.15 to 5.55 in. across State.

Days suitable for fieldwork 4.0. Soil moisture 45% adequate, 55% surplus. Hay 55% third cutting, 80% 1991, 60% avg.; 4% very poor, 11% poor, 25% fair, 40% good, 20% excellent. Corn silage 10% harvested, 65% 1991, 40% avg. Dry beans 30% mature, 80% 1991, 50% avg.; 10% harvested, 45% 1991, 20% avg.; 5% very poor, 10% poor, 35% fair, 40% good, 10% excellent. Potatoes 50% harvested, 50% 1991, 45% avg. Pasture 85% of normal. Major activities: Preparing machinery, planting wheat, harvesting silage, hay, fruits, vegetables.

**MINNESOTA:** Temperatures 1° below normal to 4° above normal. Precipitation 0.01 in. west central to 3.09 in. southwest, 0.48 in. below normal to 2.33 in. above normal.

Days suitable for fieldwork 3.4. Topsoil 2% short, 45% adequate, 53% surplus. Spring wheat 78% cut/swathed, 99% 1991, 99% avg.; 71% combined, 99% 1991, 99% avg. Barley 93% cut/swathed, 99% 1991, 99% avg.; 88% combined, 99% 1991, 99% avg. Corn 70% dent, 96% 1991, 97% avg.; 8% mature, 57% 1991, 64% avg.; 8% silage cut, 47% 1991, 47% avg. Soybeans 42% dropping leaves, 69% 1991, 83%; 10% mature, 37% 1991, 43% avg. Potatoes 26% harvested, 34% 1991, 43% avg. Flax 13% harvested, 75% 1991, 80% avg. Dry edible beans 32% harvested, 80% 1991, 66% avg. Flaxseed 13% harvested 75% 1991, 80% avg. Sweet corn 78% harvested, 83% 1991, 91% avg. Winter wheat 60% seeded, 87% 1991, 86% avg. Rye 73% seeded, 83% 1991, 85% avg. Hay, small grain stubble plowed 35%, 66% 1991, 68% avg. Soybean 5% very poor, 15% poor, 59% fair, 21% good. Corn 7% very poor, 15% poor, 48% fair, 28% good, 2% excellent.

**MISSISSIPPI:** Temperature 76°, which is normal. Extremes 47°; 93°. State received near normal rainfall. Rainfall 1.03 in., 0.05 in. above normal. Soil temperature 80°.

Days suitable for fieldwork 4.9, 5.5 1991, 5.1 avg. Soil moisture 19% adequate, 74% surplus, 7% excessive. Corn mature 99%, 91% 1991, 92% avg.; harvested 58%, 55% 1991, 57% avg.; silage harvested 95%, 89% 1991, 95% avg.; 12% poor, 12% fair, 60% good, 16% excellent. Cotton open bolls 82%, 81% 1991, 85% avg.; 5% harvested, 9% 1991, 15% avg.; 8% poor, 53% fair, 31% good, 8% excellent. Peanuts harvested 49%, 75% 1991, 70%

avg. Rice mature 87%, 62% 1991, 82% avg.; harvested 52%, 22% 1991, 43% avg.; 22% fair, 78% good. Sorghum 95% mature, 79% 1991, 85% avg.; harvested 63%, 44% 1991, 59% avg.; silage harvested 95%, 85% 1991, 89% avg.; 1% poor, 23% fair, 70% good, 6% excellent. Soybeans turning color 70%, 31% 1991, 47% avg.; shedding leaves 38%, 9% 1991, 22% avg.; 6% harvested, 1% 1991, 3% avg.; 1% poor, 7% fair, 91% good, 1% excellent. Sweet potatoes harvested 40%, 47% 1991, 48% avg.; 87% fair, 17% good. Wheat planted 7%, 9% 1991, 8% avg.; 2% emerged, 3% 1991, 4% avg. Hay harvested 92%, 93% 1991, 89% avg. Pecans 52% very poor, 32% poor, 10% fair, 6% good. Livestock 5% fair, 90% good, 5% excellent. Pasture 93% of normal. Activities: Defoliating, harvesting cotton, harvesting other crops.

**MISSOURI:** Temperatures 3° below normal in the southeast to 4° above normal elsewhere. Rainfall 1.60 in., ranging from 1.25 in. northeast, east central, southeast to nearly 2.00 in. southwest, south central. Some flooding along streams north central resulting from heavy rains in southern Iowa.

Days suitable for fieldwork 5.5. Topsoil 29% short, 66% adequate, 5% surplus. Corn mature varies from less than 50% complete northern districts, west central district to 100% southeast. Corn harvesting ranges from 4% or less northern third to 63% southeast. Soybeans turning color 72%, ranging from 40% southeast to 91% northwest. Soybeans dropping leaves just under 20% southeast, southwest to 60% northwest, northeast; mature 16%, 16% 1990, 14% avg.; harvested 2%, 3% 1990, 2% avg. Sorghum harvesting most advanced southeast, 36%, other major producing areas 3% or less. Wheat seeded less than 5% in major districts. Pasture 1% very poor, 9% poor, 40% fair, 44% good, 6% excellent.

**MONTANA:** Temperatures 1 to 6° above normal. Precipitation most areas; west, north central, and northeast received the most.

Days suitable for fieldwork 5.4. Topsoil 35% short, 64% adequate, 1% surplus. Subsoil 50% short, 50% adequate. Winter wheat 95% harvested, 100% 1991, 99% avg. Barley 81% harvested, 97% 1991, 95% avg. Oats 86% harvested, 97% 1991, 95% avg. Corn for silage 51% harvested, 48% 1991, 58% avg. Dry beans 50% harvested, 80% 1991, 66% avg. Sugarbeets 5% harvested, 5% 1991, 4% avg. Potatoes 7% harvested, 6% 1991, 14% avg. Second cutting alfalfa hay 93% harvested, 95% 1991, 94% avg. Pasture, range feed condition 81%, improved slightly from last week.

**NEBRASKA:** Temperatures 2 to 4° above normal. Precipitation varied from trace amounts northwest to over 2.00 in. east central.

Days suitable for fieldwork 5.7. Topsoil 15% short, 79% adequate, 6% surplus. Subsoil 3% short, 92% adequate, 5% surplus. Row crops 1 to 3 weeks behind normal. Corn 5% poor, 16% fair, 56% good, 23% excellent; 89% dented, 100% 1991, 98% avg.; 18% mature, 84% 1991, 69% avg. Soybean 2% poor, 6% fair, 71% good, 21% excellent; 82% leaves turning, 96% 1991, 89% avg.; 27% dropping leaves, 75% 1991, 59% avg. Sorghum 1% poor, 20% fair, 62% good, 17% excellent; 68% coloring, 100% 1991, 95% avg.; 4% mature, 83% 1991, 60% avg. Alfalfa 15% fair, 70% good, 15% excellent; 92% third cutting, 100% 1991, 98% avg.; 17% fourth cutting. Winter wheat sown 64%, 52% 1991, 53% avg. Pasture, range condition 99% of normal.

**NEVADA:** Period began with high pressure system, then low pressure brought high level cloudiness across some northern areas. A few thunderstorms popped up in extreme south, north-

east, though dry northwesterly airflow kept most of State under clear skies. Moist air moved in late in week, brought locally heavy showers to central, eastern areas. Temperatures generally continued above normal. Extremes 17°; 106°.

Harvest of hay continuing. Alfalfa seed harvest finished in Lovelock area, about 50% complete Orvada area. About 25% of potatoes, 50% of onions out of the ground. Planting of winter wheat getting underway. Livestock generally good, movement to winter ranges in progress.

**NEW ENGLAND:** Precipitation none to 1.98 in. throughout region. Temperatures low to mid 60s north, low to high 60s south; 3 to 10° above normal. Maximum temperatures low to high 80s throughout region. Minimum temperatures low 30s to low 40s north, mid 30s to low 50s south.

Days suitable for fieldwork 6. Soil moisture 18% short, 79% adequate, 3% surplus. Available grazing 10% short, 90% adequate. Fieldwork progress 5 days behind schedule. Maine potatoes 32% harvested, 23% 1991, 19% avg.; good. Rhode Island potatoes 55% harvested, 75% 1991, 72% avg.; excellent. Massachusetts, Connecticut potatoes 59% harvested, 53% 1991, 38% avg.; good. Maine oats 76% harvested, 95% 1991, 82% avg.; excellent. Field corn 9% harvested, 26% 1991, 22% avg.; good. Connecticut, Massachusetts sweet corn 84% harvested, 91% 1991, 92% avg.; good. Second cut hay 90% harvested, 95% 1991, 92% avg.; good. Third cut hay 37% harvested, 68% 1991, 58% avg.; good. Apples 22% harvested, 49% 1991, 29% avg.; color good, size medium; good. Peaches 74% harvested, size medium; good. Connecticut pears 23% harvested, size medium; good. Starting cranberry harvest; good to excellent. Major farm activities: Harvesting field corn, vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, cranberries, haying.

**NEW JERSEY:** Temperatures above normal. Extremes 40°; 89°. Rainfall 0.27 in. north, 0.02 in. central, 0.02 in. south. Heaviest 24 hour total 0.59 in. on 18th, 19th. Estimated soil moisture, in percent field capacity, averaged 66% north, 55% central, 48% south. Four inch soil temperatures averaged 64° north, 66° central, 67° south.

Soil moisture content adequate. Greens, escarole, endive, sweet corn, leeks, okra, parsley, turnips, in light volume. Cucumbers, pickles, tomatoes, cabbage, green beans in moderate supply. Eggplant, peppers, squash in good volume. Cranberry harvest has begun. Harvest of tomatoes, peppers, cucumbers, potatoes, peaches 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 good overall.

**NEW MEXICO:** Temperatures generally 2° above normal north, 4° above normal south. Extremes 36°; 96°. Some precipitation fell in most areas with the majority coming on 15th. Higher totals for the week reached over 1.50 in. at several locations.

Days suitable for fieldwork 6.3. Soil moisture 47% short, 53% adequate. Crop conditions: Alfalfa 3% poor, 21% fair, 76% good. Corn 11% fair, 83% good, 6% excellent. Winter wheat good condition with 89% of crop planted. Chile poor to excellent with a majority good; harvest active. Onions, lettuce good. Pecans 34% fair, 66% good. Apples poor to excellent with a majority good; harvest active in most areas. Cattle, sheep fair to excellent. Pasture, range 88% of normal.

**NEW YORK:** High pressure over State 13th, 14th. Highs 70s, lows in 40s. Continued dry on 15th,

temperatures crept into lower 80s in western areas. Continued warm with light rain in north on 16th, 17th. Cold front swung through State on 18th, 19th. Highs were only in the 60s, except 70s in southeast. Upstate areas received 0.50 in. rainfall.

Days suitable for fieldwork 6.3. Soil moisture adequate. Pasture 86% of normal. Hay, corn fair to mostly good. Third cutting alfalfa 44% complete, 64% 1991, 72% avg. Oats 85% harvested, 100% 1991, 100% avg. Corn silage harvest gaining momentum. Potato harvest in full swing. Tree fruits in Lake Ontario region remained good to excellent. McIntosh harvest active. Bosc pear harvest started. Vegetable harvest in high gear. Orange County onions in excellent condition, harvest continued. Onions in Oswego County in fair to good condition. Growers undercutting and harvesting. Fall crop harvest picked up momentum.

**NORTH CAROLINA:** Temperatures 3 to 5° below normal. Precipitation amounts ranged from 1.10 in. at Franklin to no precipitation at a number of locations.

Days suitable for fieldwork 6.3. Soil moisture 7% very short, 34% short, 57% adequate, 2% surplus. Crop condition: Pasture 4% poor, 26% fair, 66% good, 4% excellent; Corn 2% poor, 29% fair, 63% good, 6% excellent; Cotton 6% poor, 57% fair, 37% good; Peanuts 52% fair, 48% good; Soybeans 3% poor, 30% fair, 65% good, 2% excellent; Hay 20% fair, 80% good; Sweet-potatoes 37% fair, 59% good, 4% excellent; Apples 39% fair, 61% good; Sorghum 28% fair, 72% good; Cotton Open Bolls 40%, 87% 1991, 76% avg; Corn Dented 98%, 100% 1991, 100% avg; Corn Mature 92%, 96% 1991, 95% avg; Soybeans Flowering 95%, 100% 1991, 100% avg; Soybeans Setting Pods 92%, 93% 1991, 93% avg; Soybeans Leaf Drop 13%, 16% 1991, 8% avg; Flue-cured Tobacco Harvested 90%, 88% 1991, 84% avg; Burley Tobacco Harvested 38%, 87% 1991, 74% avg; Corn for Silage Harvested 69%, 83% 1991, 82% avg; Corn for Grain Harvested 34%, 50% 1991, 37% avg; Sorghum for Grain Harvested 20%, 27% 1991, 23% avg; Apples Harvested 58%, 64% 1991, 53% avg; Hay, roughage supplies 2% short, 90% adequate, 8% surplus. Hay second cutting 90%. Hay third cutting 50%. Major activities: harvesting, curing, marketing tobacco, cutting corn for silage. Other activities: Harvesting fruit, vegetables; harvesting sorghum, corn for grain; seeding small grains; preparing for peanut harvest; tending livestock; equipment repair; general farm maintenance.

**NORTH DAKOTA:** Below normal temperatures early, late in the week contrasted with normal to above normal temperatures at midweek. Temperatures 2° above normal to 1° below normal. Extremes 29° west central; 92° south central. Precipitation 0.09 in. southwest to 0.47 in. east central.

Days suitable for fieldwork 5.6. Soil moisture supplies above last year, average. Topsoil 8% very short, 34% short, 58. Subsoil 14% very short, 42% short, 44% adequate. Small grain harvest is the latest in recent history. Spring wheat 18% fair, 68% good, 14% excellent; 74% combined, 100% 1991, 100% avg. Durum 24% fair, 62% good, 14% excellent; 54% combined, 100% 1991, 99% avg. Barley 1% poor, 16% fair, 66% good, 17% excellent; 88% combined, normally completed by September 1. Oats 3% poor, 24% fair, 68% good, 5% excellent; 91% combined, normally completed by September 1. Late season crop development continued well behind average. Corn for grain 2% very poor, 6% poor, 34% fair, 58% good; 1% ripe and beyond, 89% 1991, 52% average. Flax 2% poor, 25% fair, 60% good, 13% excellent;

19% combined, 83% 1991, 78% avg. Potatoes 100% good; 39% dug, 53% 1991, 50% avg. Soybeans 13% fair, 87% good; 29% mature and beyond, 94% 1991, 85% avg. Dry beans 19% fair, 73% good, 8% excellent; 8% cut or combined, 88% 1991, 66% avg. Sunflower 3% poor, 32% fair, 59% good, 6% excellent; 20% bracts turned brown and beyond, 71% 1991, 60% avg. Sugarbeets 2% poor, 98% good; 7% lifted, 8% 1991, 6% avg. Range and pasture conditions 66% of normal. Stockwater supplies 5% very short, 31% short, 64% adequate.

**OHIO:** Unseasonably mild air dominated early in the week. Highs well into the 80s combined with limited precipitation. A cold front passed through at week's end, bringing cooler weather and some light to moderate rain. Temperatures 2 to 3° above normal during the week with mean readings in the mid to upper 60s. Maximums ranged from the mid 70s to near 80° while mean lows were in the 50s. Temperatures varied widely with readings in the 80s on the 15th and down into the 40s on the 19th to 20th. Rainfall 0.50 to 0.75 in. across the State.

Days suitable for fieldwork 5.8. Topsoil 12% short, 73% adequate, 15% surplus. Hay 1% very poor, 8% poor, 27% fair, 49% good, 15% excellent. Pasture 4% poor, 23% fair, 56% good, 17% excellent. Potatoes harvested 53%, 65% 1991, 56% avg. Processing tomatoes harvested 65%, 84% 1991, 86% avg. Corn harvested for silage 20%, 86% 1991, 52% avg. Warmer, drier weather was excellent for cutting hay. The weather also allowed soybeans to develop to near normal. Some farmers have begun harvesting their soybeans as well as scattered high moisture corn for grain harvest.

**OKLAHOMA:** Temperatures 1° above normal south central, central to 3° above normal Panhandle. Precipitation 0.02 in. Panhandle, north-central, west-central to 3.25 in. east-central.

Days suitable for fieldwork 6.2. Topsoil 16% short, 78% adequate, 6% surplus. Subsoil 100% adequate. Wheat 37% planted, 31% 1991, 26% avg.; 18% up to stand, 10% 1991, 8% avg. Cotton 36% poor, 28% fair, 36% good; 23% open bolls, 19% 1991, 18% avg. Sorghum 1% poor, 4% fair, 86% good, 9% excellent; 18% mature, 23% 1991, 29% avg.; 5% harvested, 5% 1991, 5% avg. Peanuts 47% fair, 53% good; 25% mature, 47% 1991, 43% avg.; 2% harvested, 1% 1991, 1% avg. Soybeans 40% mature, 25% 1991, 21% avg.; 8% harvested, 6% 1991, 3% avg. Corn 66% harvested, 71% 1991, 56% avg.; Pastures 104%. Cattle good; marketings average, prices mixed.

**OREGON:** Temperatures below normal statewide, except Medford. Rain fell in northern portions; 0.49 in. Portland, 0.21 in. Heppner, 0.36 in. Moro, 0.09 in. Pendleton. Elsewhere dry.

Soil moisture 95% short, 5% adequate. Winter wheat 17% planted. Barley 94% harvested. Hops harvest nearly finished, Willamette Valley. Field prep for fall seeding in cereal grains, canola, grass seed continues, some waiting for more moisture. Field corn silage being cut. Apples harvest continues, hazelnuts harvest beginning; Willamette Valley. Hood River Valley Anjou, Bosc pear harvest underway in upper elevations, Red, Golden Delicious apple harvest underway. Umatilla apple harvest continues. Cranberry harvest underway, light activity; southern coast. Potato harvest continues, Malheur and Umatilla Counties. Cauliflower harvest starting, sweet corn, snap beans, onion harvest continues; Willamette Valley. Livestock fair to good. Stockwater continues to be scarce. Most dryland pastures dried up, no relief in sight. Calves coming off of summer pastures lighter than normal. Cattlemen worried about another dry winter. Hay, protein

supplements being feed. Range, pasture 43% of normal.

**PENNSYLVANIA:** Temperature 70°, 5° above normal. Extremes 34°; 86°. Precipitation 0.24 in., 0.61 in. below normal.

Days suitable for fieldwork 6. Soil moisture 18% short, 74% adequate, 8% surplus. Ensilage corn harvested 13% complete, 56% 1991. Soybean harvest 3% complete, 3% 1991; 4% very poor, 3% poor, 18% fair, 48% good, 27% excellent. Wheat planted 20% complete, 29% 1991. Oat harvest 98% complete, 100% 1991. Barley planted 20% complete, 37% 1991. Tobacco harvest 82% complete, 89% 1991. Potato harvest 61% complete, 61% 1991. Second cutting alfalfa 97% complete, 100% 1991; third cutting 71% complete, 81% 1991; fourth cutting 29% complete, 37% 1991. Second cutting clover timothy 89% complete, 95% 1991. Quality of hay made 3% poor, 28% fair, 69% good. Feed from pastures 1% very poor, 4% poor, 49% fair; 46% good. Apple harvest 41% complete, 42% 1991. Peach harvest 90% complete, 97% 1991. Grapes harvest 38% complete, 64% 1991. Fall plowing 38% complete, 50% 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:** Island rainfall 1.15 in. was 0.43 in. below normal. Highest rainfall 4.65 in. at Maricao 2SSW, 3.91 in. at Canovanas, 3.31 in. at Mayaguez City. Highest 24 hour total was 4.40 in. at Maricao 2SSW on 13th. Divisional temperatures 81° on the Coasts, 75 to 77° Interior with mean station temperatures 66.3° at Pico Del Este Luquillo to 84.6° at Guayama. Extremes 59°; 95°.

**SOUTH CAROLINA:** Temperatures were slightly above normal. Average rainfall 0.10 in.

Days suitable for fieldwork 6.2. Soil moisture 50% short, 50% adequate. Tobacco fair to good; 97% harvested, 99% 1991, 96% avg.; 56% stalks destroyed, 60% 1991, 44% avg. Corn fair to good; 70% harvested, 78% 1991, 66% avg. Cotton fair; 76% open bolls, 81% 1991, 67% avg.; 1% harvested, 6% 1991, 6% avg. Soybeans fair to good; 97% setting pods, 97% 1991, 93% avg.; 14% leaves turning, 19% 1991, 16% avg.; 2% shedding leaves, 8% 1991, 5% avg. Apples fair to good; 52% harvested, 82% 1991, 69% avg. Grapes fair to good. Fall hay fair to good; 72% harvested, 69% 1991, 63% avg. Peanuts fair to good; 5% harvested, 16% 1991, 12% avg. Sorghum fair to good; 46% harvested, 39% 1991, 37% avg. Oats 2% planted, 0% 1991, 0% avg. Rye 3% planted, 1% 1991, 2% avg. Winter grazing fair to good; 24% planted, 22% 1991, 21% avg, 14% emerged, 10% 1991, 10% avg. Near normal temperatures conserving soil moisture. High corn yields.

**SOUTH DAKOTA:** Temperatures near normal. Extremes 21°; 97°. Precipitation was widely scattered with most of the State receiving less than 0.10 in. Maximum 1.11 in.

Days suitable for fieldwork 4.6. Topsoil 6% very short, 26% short, 54% adequate, 14% surplus. Subsoil 8% very short, 22% short, 59% adequate, 11% surplus. Sunflowers 1% very poor, 2% poor, 9% fair, 74% good, 14% excellent. Flax 64% harvested, 92% 1991, 96% avg. Corn silage 7% harvested, 76% 1991, 53% avg. Winter rye 50% seeded, 66% 1991, 64% avg. Drier weather has helped crops to progress. Some reporters were saying it would be at least 2 more weeks before the crops would be safe from a hard freeze. Livestock 1% fair, 69% good, 30% excellent. Pasture 92% of normal.

**TENNESSEE:** Warm weather, sunny skies were present across the State 14th to 16th. There were scattered showers across the State from 17th to weekend, with most locations receiving less than 1.00 in. High temperatures near normal, low temperatures a little above normal.

Days suitable for fieldwork 5.6. Soil moisture, 19% short, 77% adequate, 4% surplus. Corn 78% mature, 80% 1991, 81% avg.; 64% silage harvested, 70% 1991, 78% avg.; 20% grain harvested, 31% 1991, 27% avg. Cotton 56% open bolls, 69% 1991, 70% avg.; 23% fair, 71% good, 6% excellent. Sorghum 75% mature, 66% 1991, 75% avg.; 31% harvested, 17% 1991, 34% avg. Soybeans 21% dropping leaves, 17% 1991, 28% avg.; 8% mature, 10% 1991, 12% avg.; 3% fair, 79% good, 18% excellent. Wheat 4% seeded, 5% 1991, 6% avg. Burley Tobacco 82% harvested, 86% 1991, 84% avg. Dark air cured tobacco 86% harvested, 80% 1991, 83% avg. Dark fire cured tobacco 83% harvested, 69% 1991, 81% avg. Cattle 6% fair, 86% good, 8% excellent. Pasture 1% poor, 16% fair, 68% good, 15% excellent.

**TEXAS:** Early-week tropical wave triggered thunderstorms over Coastal sections. Midweek period quiet. Late-week cold front pushed into west bringing thunderstorms mainly South Plains. Temperatures cooled briefly High Plains following front, also earlier in week along Coast.

**Crops:** Corn fields maturing rapidly High Plains under hot, dry conditions last week. Silage harvest increasing with most corn for grain harvest just beginning. Harvest progress good Low Plains, Cross Timbers. Most fields harvested throughout Central, Hill Country. Corn 100% dough; 100% 1991; 100% avg. Cotton fields across High, Low Plains benefitted from hot, dry conditions throughout most week. Some light spraying occurred Low Plains. A few fields High Plains have been stripped. Blacklands, harvest, defoliation activities increased. Bolls opening rapidly Trans-Pecos. South Central, harvest winding down. Most ginning activity winding down Coastal Bend. Cotton 98% setting bolls; 100% 1991; 100% avg.; 20% harvested; 18% 1991; 16% avg. Rice harvest continued Upper Coast. Some locally heavy showers delayed progress scattered fields. Grain sorghum fields High Plains need continued warm weather fully mature. Harvest begun limited basis. Harvest full swing Low Plains. Most harvest completed from Blacklands, Southward. Grain Sorghum 98% headed; 100% 1991; 100% avg. Small grain planting, fertilizing increased last week. Dryland fields High Plains need a rain. Irrigation activity increasing. Early planted fields providing grazing for stockers. Wheat 15% emerged; 14% 1991; 12% avg. Peanut harvest beginning Low Plains, Cross Timbers. Harvest continued Central without much delay. Disease been a problem some fields. Dryland fields could still use rain. Peanuts 9% planted; 15% 1991; 10% avg. Soybean harvest mostly completed Blacklands last week. Yields good. Harvest met some delays along Upper Coast. Fields in Plains maturing rapidly. Soybeans 39% harvested; 49% 1991; 30% avg. Other crops: Pecans 0% harvested; 4% 1991; 1% avg. Sugarbeets 2% harvested; 1% 1991; 15% avg. Sunflowers 27% harvested; 36% 1991; 15% avg. Oats 19% planted; 10% 1991; 12% avg.

**Commercial Vegetables:** Rio Grande Valley, peppers progressing nicely. Planting operations continued. Some early orange harvest beginning. Most groves look good. Insect activity light, moderate. San Antonio-Winter Garden, fall melons still could use rain. High Plains, carrot, cabbage harvest winding down. Pepper harvest continued. East Texas, sweetpotato harvest continued. Other vegetables showing good progress. Some fields use additional moisture. Trans-Pecos, chili harvest continued. Watermelon, cantaloupe harvest still

active. Pecan crop remained varied across state. Hill Country crop heavy disease and showing heavy drop. Shuck split occurring parts of Central where crop fair to good. Moderate disease problems exist Low Plains, East.

**Range and Livestock:** Range, pasture grasses drying down slightly last week; however, forage availability remained mostly good. A few producers getting final hay cutting. Stockers arriving on several early planted small grain fields. Livestock conditions remained good. Prices have held steady.

**UTAH:** Temperature 3° above normal, minimums averaged 6° above normal. Reported precipitation was light throughout the State except in the Dixie area where it was moderate.

Days suitable for fieldwork 6.7. Soil moisture 93% short, 7% adequate. Winter wheat seeded 61%, 69% 1991, 60% avg. Field corn: in dent stage 87%; 77% 1991, 79% avg.; mature 60%, 26% 1991, 46% avg.; harvested for grain 5%, 5% 1991, harvested for silage 63%, 26% 1991, 42% avg. Alfalfa 3rd cutting 91%, 69% 1991, 78% avg. Alfalfa 4th cutting 28%, 12% 1991. Alfalfa seed harvested 68%, 57% 1991. Potatoes harvested 54%, 40% 1991, 27% avg. Onions harvested 66%, 51% 1991, 51% avg. Apples 35% picked, 39% 1991, 29% avg. Cattle moved from summer range 33%, 22% 1991, 21% avg. Sheep moved from summer range 28%, 21% 1991, 25% avg. Pasture, range poor to fair.

**VIRGINIA:** Temperatures averaged near normal for the week. Extremes 41°; 89°. No measurable precipitation was recorded.

Days suitable for fieldwork 6.0. Topsoil 11% short, 84% adequate, 5% surplus. Pasture 2% poor, 16% fair, 59% good, 23% excellent. Corn mature 81%, 85% 1991, 78% avg.; silage harvested 45%, 72% 1991, 64% avg.; harvested for grain 20%, 45% 1991, 35% avg. Soybean 46% fair, 47% good, 7% excellent. Peanuts 80% fair, 20% good. Fall apple harvest progressing. Flue tobacco 79% harvested, 82% 1991, 73% avg. Fire tobacco 97% harvested, 98% 1991, 89% avg. Sun tobacco 87% harvested, 90% 1991, 88% avg. Burley tobacco 66% harvested, 80% 1991, 72% avg. Oats seeded 7%, 10% 1991, 8% avg. Barley seeded 6%, 8% 1991, 7% avg. Livestock mostly good. Harvesting some hay. Harvesting vegetables.

**WASHINGTON:** Temperatures 3 to 8° below normal west; 4 to 13° below normal east. Rainfall none to 0.56 in. west; none to 0.34 in. east.

Days suitable for fieldwork 6.1. Soil moisture 39% short, 61% adequate. Hay, other roughage 15% short, 65% adequate, 20% surplus. Range, pasture 60% poor, 40% fair. Winter wheat planted 67%, 34% 1991, 47% avg.; emerged 40%, 22% 1991, 25% avg. Alfalfa hay third cut 95% complete, 86% 1991, 87% avg. Potatoes 32% harvested, 34% 1991, 37% avg. Corn silage 40% harvested, 27% 1991, 38% avg. Dry beans harvested 42%, 52% 1991, 44% avg. Rainstorms slowed winter wheat seeding east; cooler temperatures, rain welcomed. Planting conditions fall seeded crops improved, as field preparations continue. High winds damaged wheat seedings Douglas county; caused dust storms Spokane county. Potato harvest

continued, momentum building. Third cutting alfalfa neared completion, fourth cutting done Grant county. Apple harvest peaked Yakima county, picking continues other central orchards. Sweet corn harvest continues; will be complete soon in Lewis county.

**WEST VIRGINIA:** Temperature 67°. Extremes 44°; 87°. Precipitation 0.35 in.

Days suitable for fieldwork 5.6. Soil moisture 41% short, 59% adequate. Tobacco 43% fair, 57% good; 67% harvested. Gardens 60% fair, 40% good. Hay 16% fair, 76% good, 8% excellent; 87% second cut, 69% third cut. Apples good. Corn 6% fair, 91% good, 3% excellent; 91% dough stage, 75% mature, 12% harvested. Pastures 33% fair, 37% good, 30% excellent; 91% of normal. Cattle 9% fair, 83% good, 8% excellent. Sheep mostly good. Soybeans good; 94% bloomed, 93% setting pods, 30% dropping leaves. Farm activities: General maintenance; clipping pastures; harvesting hay, corn, tobacco, apples.

**WISCONSIN:** Temperature 62°; 4° above normal. Extremes 27°; 84°. Precipitation 1.70 to 5.50 in. State had the wettest week of the year with rainfall amounts of 1.00 to over 10.00 in. There was flooding, severe storms, high humidities, below freezing temperatures all during the week. The Baraboo River in the south central district kept rising on 19th even without additional rain. Widespread frost in north on 12th; no great damage reported.

Days suitable for fieldwork 0.5. Soil moisture 41% adequate, 59% surplus. Pasture 77% of normal, 78% 1991, 75% avg. General condition of crops 5% poor, 40% fair, 54% good, 1% excellent. Corn 2% very poor, 8% poor, 35% fair, 51% good, 4% excellent; 66% in dough stage or beyond; 40% in dent stage or beyond, 88% 1991, 85% avg.; 7% mature, 63% 1991, 49% avg. Third crop hay 52% harvested, 72% 1991, 68% avg. Soybean 7% poor, 31% fair, 56% good, 6% excellent. Soybeans 39% turned, 83% 1991, 69% avg.; 6% shedding leaves, 68% 1991, 39% avg.

**WYOMING:** Temperatures generally normal, 2 to 3° above normal. Warm spot was the lower Platte drainage where temperatures were 4° above normal. Precipitation below normal across the entire State. No precipitation.

Days suitable for fieldwork 6.8. Topsoil 80% short, 20% adequate. Subsoil 62% short, 38% adequate. Spring wheat 2% mature; 98% harvested, 100% 1991, 100% avg. Oats 10% mature; 90% harvested, 93% 1991, 95% avg. Barley 6% mature; 94% harvested, 92% 1991, 96% avg. Dry beans 28% leaves turning color, 21% 1991, 20% avg.; 29% windrowed, 30% 1991, 30% avg.; 43% combined, 49% 1991, 50% avg. Corn 1% milk, 1% 1991, 2% avg.; 34% dough, 13% 1991, 16% avg.; 4% harvested, 1% 1991, 4% avg. 1993 winter wheat 24% not planted, 24% 1991, 31% avg.; 47% planted, 48% 1991, 38% avg.; 29% emerged, 28% 1991, 31% avg. Ranges, pastures good to excellent. Livestock moved from summer ranges 28% cattle, calves, 23% 1991; 31% sheep, lambs, 25% 1991. Hay, roughage 13% very short, 21% short, 54% adequate, 12% surplus. Ninety-two percent of livestock feed now obtained from pastures.

**International Weather and Crop Summary**  
**HIGHLIGHTS**

September 13 - 19, 1992

**FSU:** In the west, light to moderate rain provides topsoil moisture for winter grain establishment but slows summer crop harvests. In the **New Lands**, warm, dry weather helps spring grain harvest in the west, while continued damp, cold weather delays harvest in the east.

**EUROPE:** Showers in the north moisten topsoils for winter grain establishment. Dryness in most corn areas favor harvesting.

**SOUTH ASIA:** Heavy showers subside over the northwest, but flooding from last week's rains continues.

**SOUTHEAST ASIA:** Heavy showers return to Indochina. Showers are widespread over the Philippines.

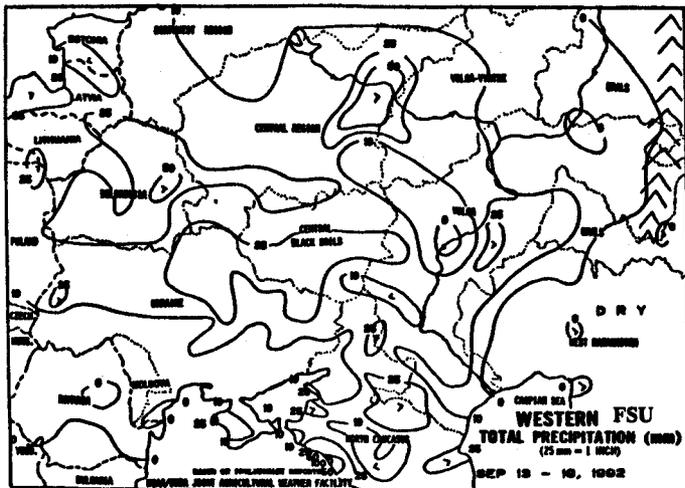
**EASTERN ASIA:** Dry weather favors early harvesting in central China, while portions of extreme southern China are too wet.

**AUSTRALIA:** Soil moisture is still limited across the eastern wheat region.

**SOUTH AMERICA:** Adequate pre-planting moisture exists for summer crops in Argentina and southern Brazil.

**MEXICO:** Favorable moisture continues to benefit filling to maturing corn.

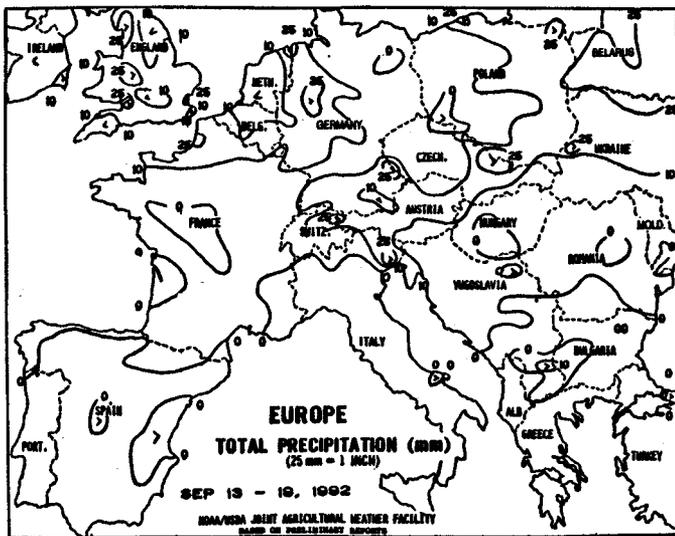
**CANADA:** Unfavorably cool, wet weather exacerbates grain and oilseed deterioration in the eastern Prairies.



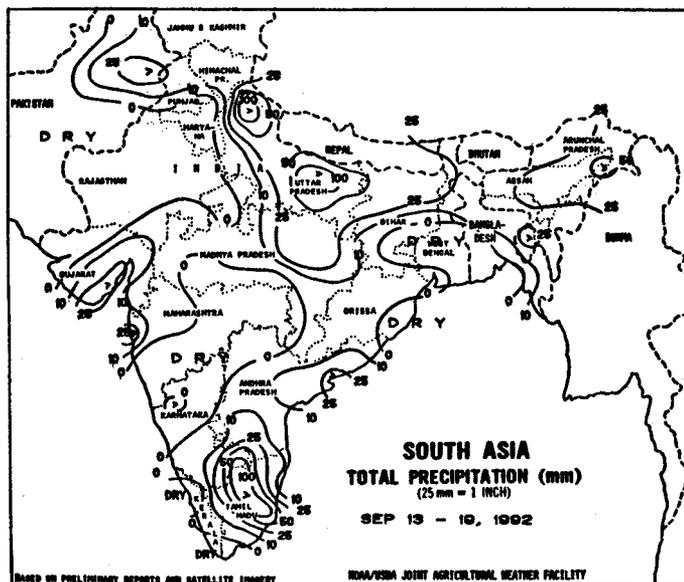
**FSU - WESTERN:** Widespread, light to moderate rain (10-40 mm, with local amounts in excess of 50 mm) covered crop areas in the Baltic States, Belarus, Northwest Region, Central Region, Central Black Soils Region, Volga Vyatsk, and parts of Volga Valley. The precipitation maintained wet conditions for winter grains in the Baltic States and Belarus, and improved moisture for winter grain emergence and establishment over remaining areas. Further south, September is the optimum month for planting winter grains in the Ukraine and North Caucasus. Although light to moderate rain (10-45 mm) over the northern half of Ukraine and North Caucasus slowed corn, sunflower, and sugar beet harvests, it provided topsoil moisture for winter grain emergence. In the southern Ukraine, light, spotty showers caused only brief interruptions in summer crop harvesting and winter grain planting. Rain is needed to raise topsoil moisture to adequate levels for uniform seed emergence and plant establishment. Average temperatures were 2-3 degrees Celsius (C) above normal in the north and near normal in the south.



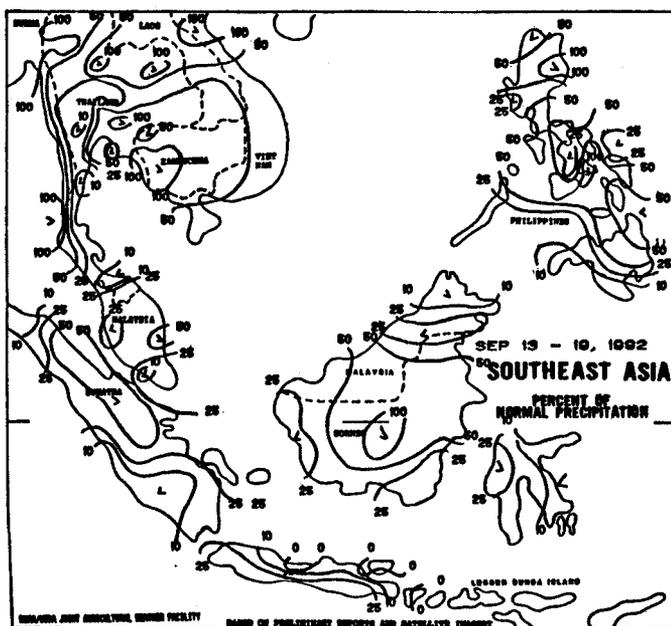
**FSU - NEW LANDS:** Warm, dry weather covered spring grain areas west of Omsk, west Siberia, favoring drydown and harvest. In contrast, damp, cold weather continued over crop areas east of Omsk, causing further delays in spring grain harvesting. Average temperatures were 1-3 degrees C above normal in the west and 3-5 degrees C below normal in the east. In south-central Former Soviet Union cotton areas, cotton bolls were maturing later than usual due to a cool wet spring and an unusually cool summer. Reports indicate harvest was just beginning. This past week, warm, dry weather covered most cotton growing areas, favoring boll maturation and early harvest.



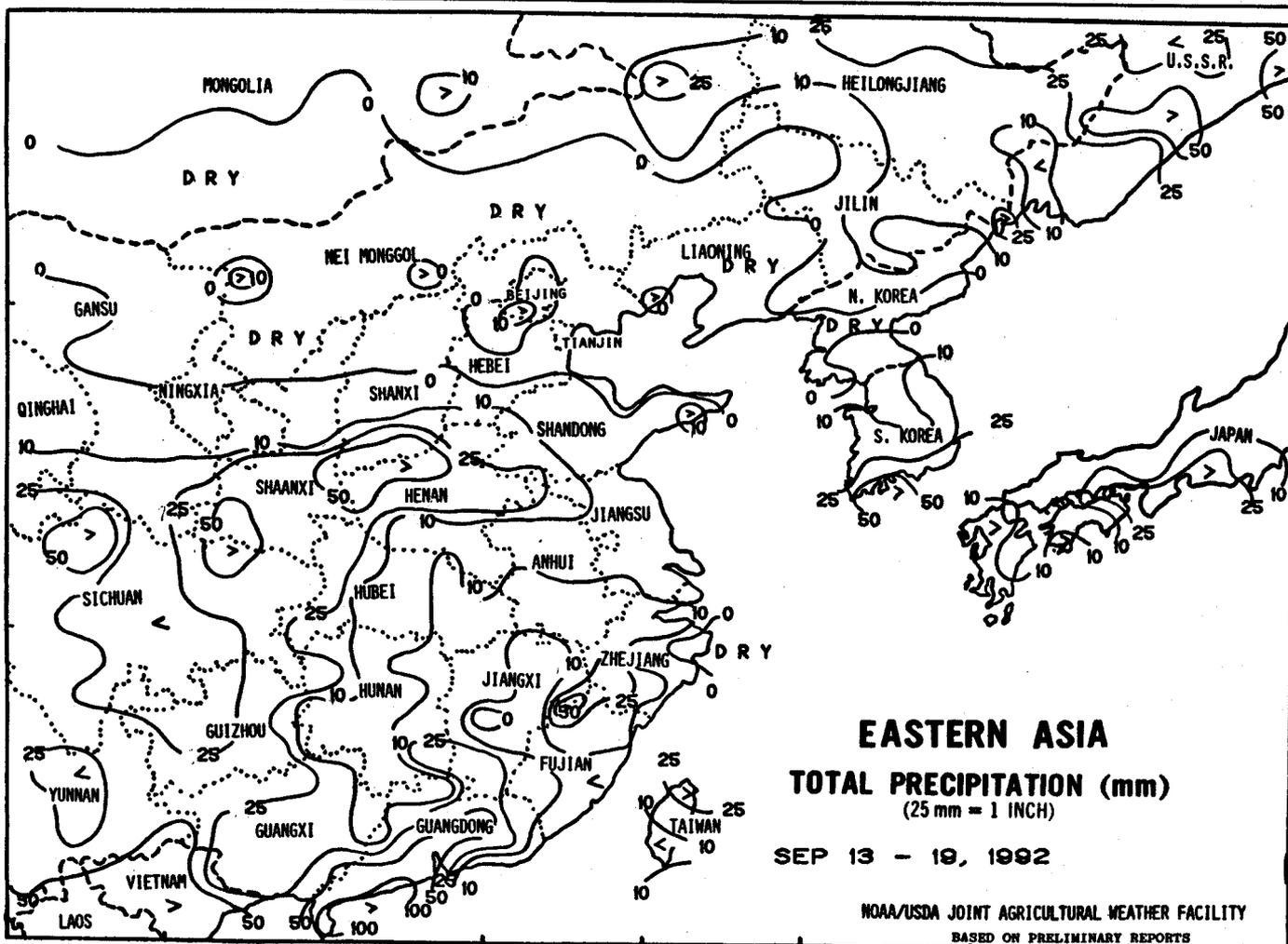
**EUROPE:** The most significant rain (10-37 mm) fell in the northwest, including much of Great Britain, extreme northern France, and western Germany. The moisture slowed crop harvesting but benefited emergence of newly-sown winter crops. Dry weather over most of France, Italy's Po Valley, and southeastern Europe from Hungary to Greece favored the harvest of corn and other summer crops. Showers (10-28 mm) moistened winter crop areas of eastern and southern Poland and eastern Czechoslovakia. However, only light showers (1-8 mm) were scattered across eastern Germany, western Poland, and western Czechoslovakia. Topsoil moisture will be needed for autumn establishment of winter crops throughout eastern Europe.



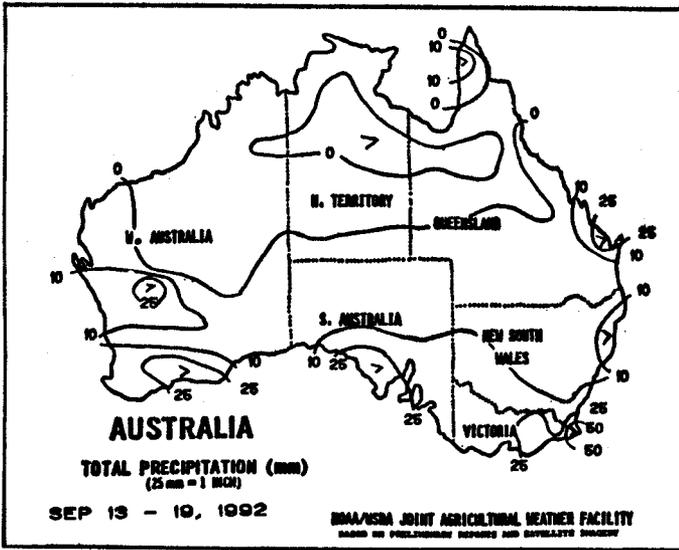
**SOUTH ASIA:** Following last week's inundating rains, showers were isolated (3-49 mm) over northern Pakistan and north-central India, allowing floodwaters to progress down the Indus River without too much added moisture. Damage to cotton and rice was reportedly severe in Pakistan's Punjab state. Continuing heavy showers (50-174 mm) caused additional flooding in eastern Uttar Pradesh. But, except for local areas of the eastern states and the southern interior, rainfall was widely scattered and generally light (30 mm or less) elsewhere in the region. The monsoon was retreating from the northwest, somewhat behind schedule, but lingering showers (4-34 mm) benefited late-planted crops in Gujarat. No rain fell along a large section of the southwest coast, indicating a break in the monsoon circulation. By mid-October, the monsoon is usually withdrawn from India's northern half while in the south, showers typically increase, benefiting grains, oilseeds, and cotton scheduled to reproduce and fill during this period.



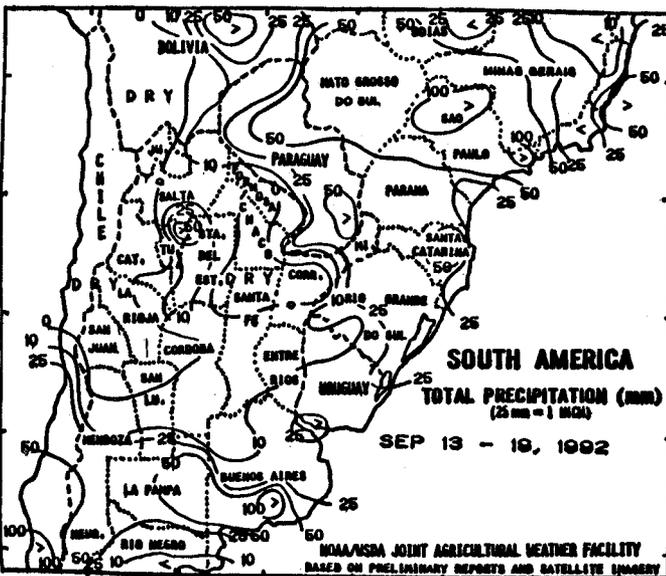
**SOUTHEAST ASIA:** Widespread moderate to heavy showers (35-168 mm) returned to Indochina, including rice and corn areas of central Thailand that had been trending dry in recent weeks. The rainfall extended southward along the Malay Peninsula and continued over Indonesia, although showers (3-40 mm) were lighter than in recent weeks. Irrigation should be plentiful for Java's main-season rice planting, currently underway locally but usually in full swing by November. In the Philippines, widespread moderate to heavy showers (25-50 mm or more) came too late for summer grains but improved moisture for fall-planted crops. Tropical storm Ted was approaching Luzon at week's end.



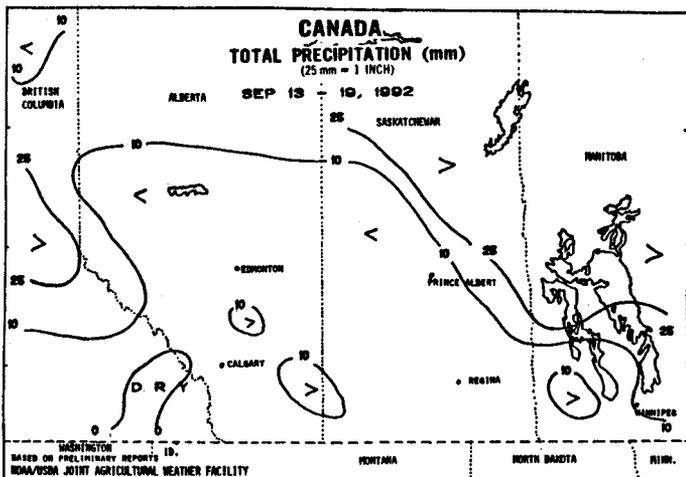
**EASTERN ASIA:** Light to moderate rain (17-92 mm) fell across portions of the North China Plain from western Shandong to Shaanxi, benefiting late-maturing summer crops and topsoil moisture for winter wheat. Drier weather prevailed across eastern China, aiding cotton harvesting. Light to moderate rain (12-29 mm) fell across northern Manchuria, aiding late-maturing corn and soybeans, while drier conditions across southern Manchuria favored early- summer crop harvesting. Highly variable showers (9-61 mm) fell across southern China, aiding single-crop rice harvesting, but rain is needed to increase reservoir levels in some areas. Guangdong again received moderate to heavy showers (25-124 mm), benefiting sugarcane but causing some local flooding. Temperatures averaged 1-3 degrees C below normal across central China, 1-4 degrees C above normal across the southern China, and near normal in Manchuria.



**AUSTRALIA:** Only light rain (1-5 mm) fell across southern Queensland and northern New South Wales, where soil moisture continued to be limited. However, cool temperatures reduced crop water loss for wheat. With warmer temperatures expected the next few weeks, moisture is needed to stabilize eastern wheat yield prospects. Elsewhere, light to moderate rain (8-24 mm) kept soils moist for western and southern vegetative winter grains. Temperatures averaged 2-5 degrees below normal across most wheat regions.



**SOUTH AMERICA:** Moderate to heavy rain (60-110 mm) fell across southern Buenos Aires in Argentina, aiding soil moisture for vegetative to reproductive winter wheat. Wheat yield prospects have greatly improved during the past several weeks due to widespread rain. Dry weather prevailed across northern Argentina, aiding cotton and sunflower planting. Across southern Brazil, widespread showers (70-138 mm) covered Mato Grosso do Sul, Sao Paulo, and northern Parana, increasing pre-planting soil moisture for summer crops and favoring flowering coffee and citrus. Summer crop planting is just beginning across southern Brazil and will continue into December. Eastern Santa Catarina and Rio Grande do Sul received moderate rain (24-60 mm), slowing winter wheat harvesting. Temperatures averaged near normal across the major crop areas of central Argentina and southern Brazil.



**CANADA:** Unfavorably wet weather persisted in grain and oilseed areas of northeastern Saskatchewan and Manitoba, hampering harvests and deteriorating crop quality. Precipitation, mostly rain showers, ranged from 10 to 46 mm and temperatures averaged 2-3 degrees C below normal. To the west, moderate showers (10-23 mm) fell in the southwest, where harvests should be the most advanced, but elsewhere, totals were generally 5 mm or less, causing minor fieldwork delays. Temperatures were unseasonably low (3-5 degrees C below normal; highs only in the low to mid teens C) much of the week, slowing drydown and evaporation rates. In Ontario, early-week drier, favorably warm weather gave way to heavy showers (25-45 mm). Drier, warmer weather is needed the next few weeks to ripen corn, well behind in development.

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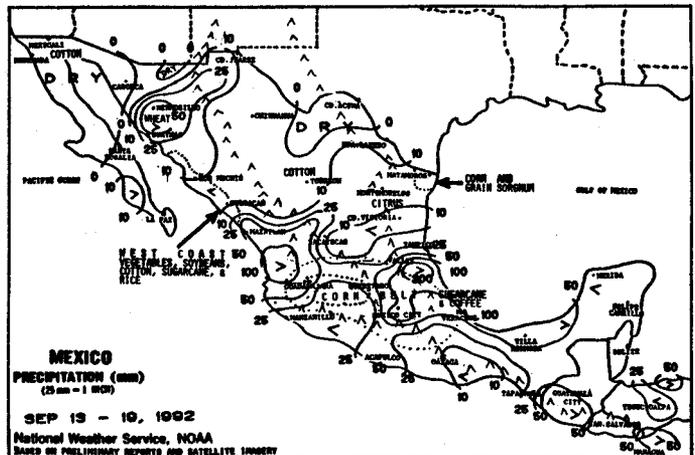
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(Continued from front cover)

Flash flooding and subsequent river flooding was widespread between Interstate 80 and the **Missouri border**. Record crests were reached along a stretch of the **Chariton River**. One night later, downpours redeveloped in **southeastern Minnesota** and **west-central Wisconsin**, where local rainfall approached 12 inches and caused flash flooding. In advance of the front, temperatures topped 90°F as far north as **Springfield, IL**. It was the most anomalously warm week in the **Corn Belt** (with temperature departures up to +6°F) in 17 weeks (since mid-May). But by Saturday morning, a push of cool air allowed temperatures to fall into the 30's in the **western Corn Belt**. Lows included 36°F in **Spencer, IA**, and 35°F in **Waterloo, IA**. Farther north, **St. Cloud, MN**, reported 31°F. Elsewhere, locally heavy thundershowers settled into the **Southeastern States**, where isolated locations received more than 2 inches of rain.



**MEXICO:** Moderate to heavy showers (23-133 mm) again covered most of the Southern Plateau corn belt, favoring filling to maturing corn. Drier conditions are needed the next several weeks to aid corn maturation and harvesting. Moderate showers (20-82 mm) fell across portions of the northwest, keeping topsoils well-watered for germinating winter wheat. The Yucatan peninsula continued to receive moderate rains (25-49 mm), aiding vegetative to reproductive corn. Temperatures averaged near normal across the corn belt.

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