

WEEKLY WEATHER AND CROP BULLETIN

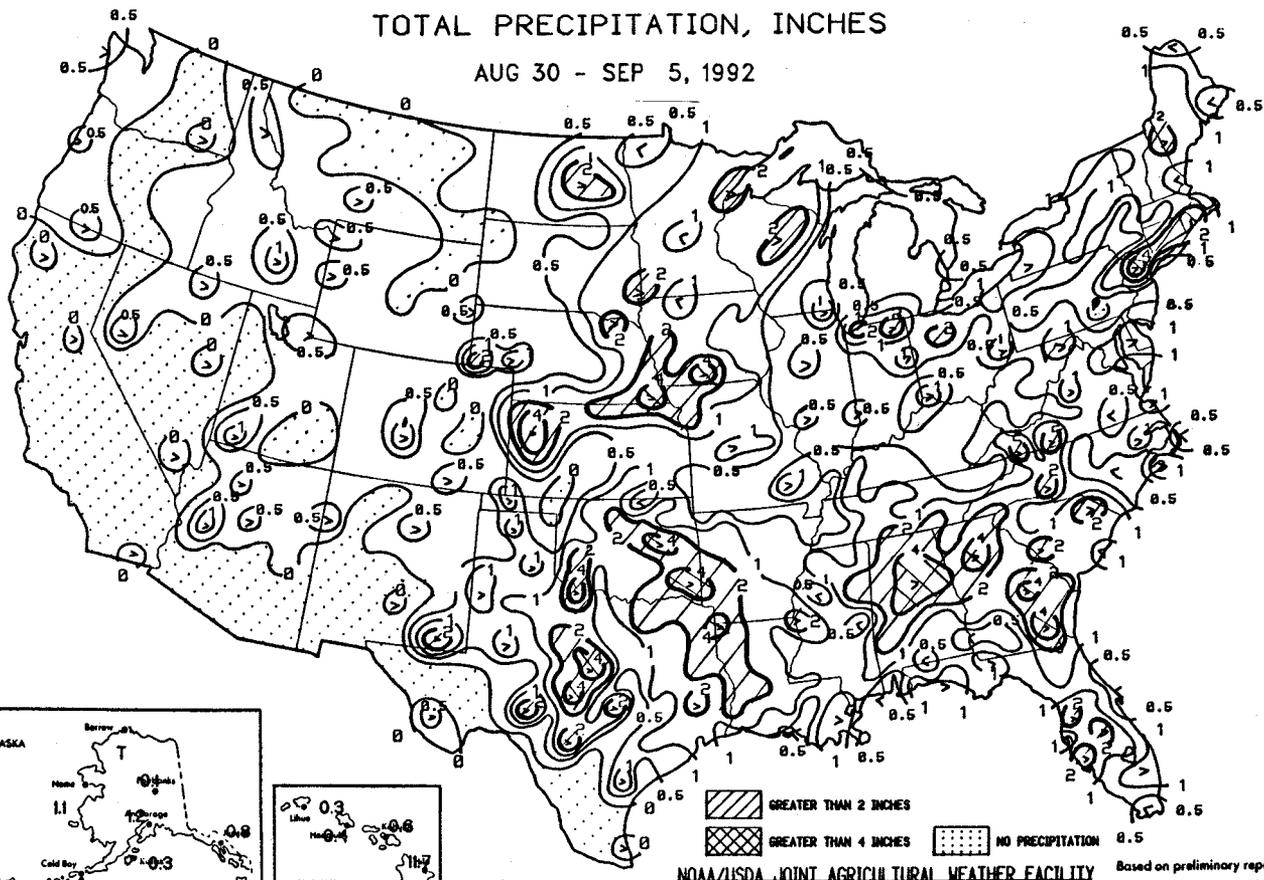
U.S. DEPARTMENT OF COMMERCE
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HIGHLIGHTS

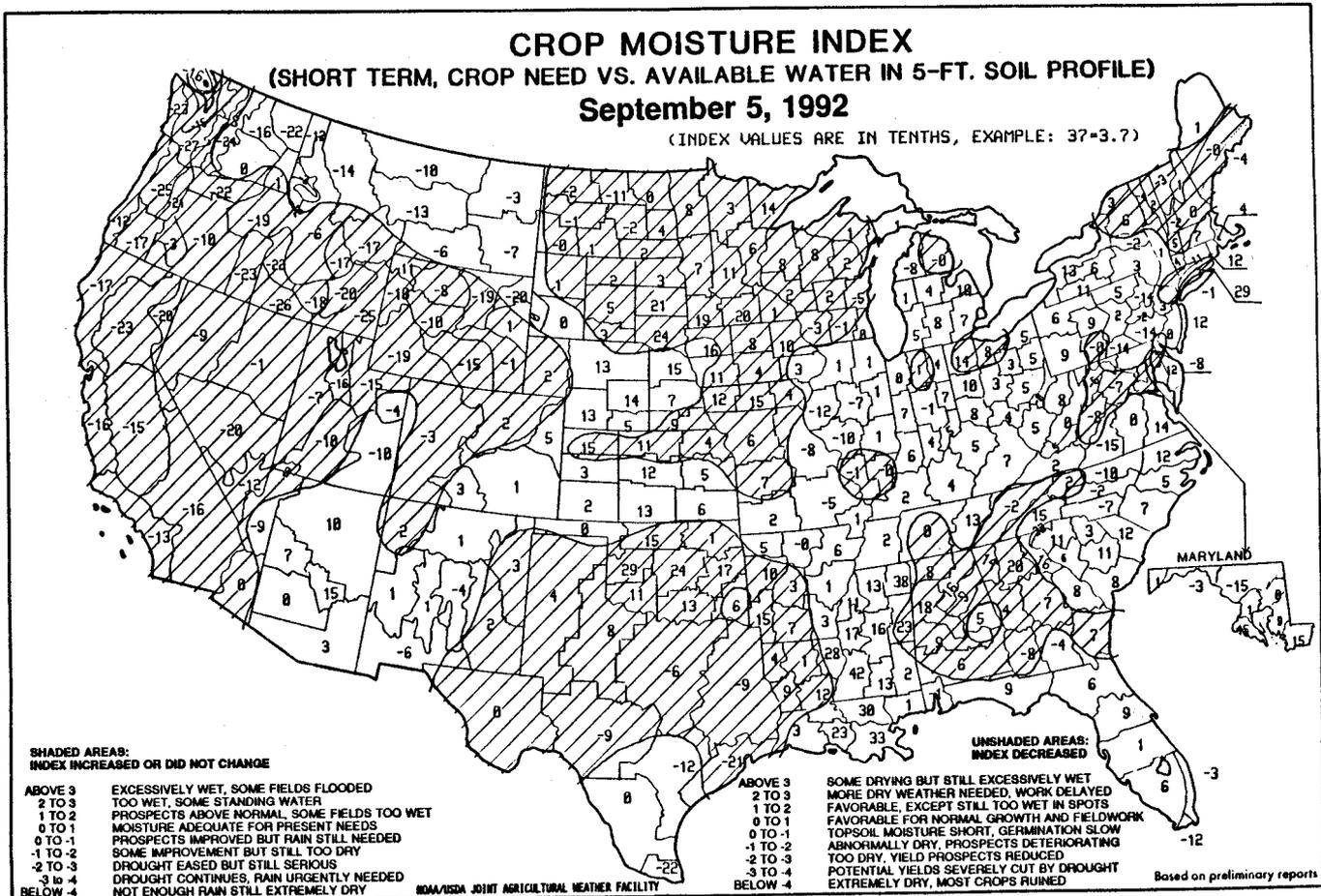
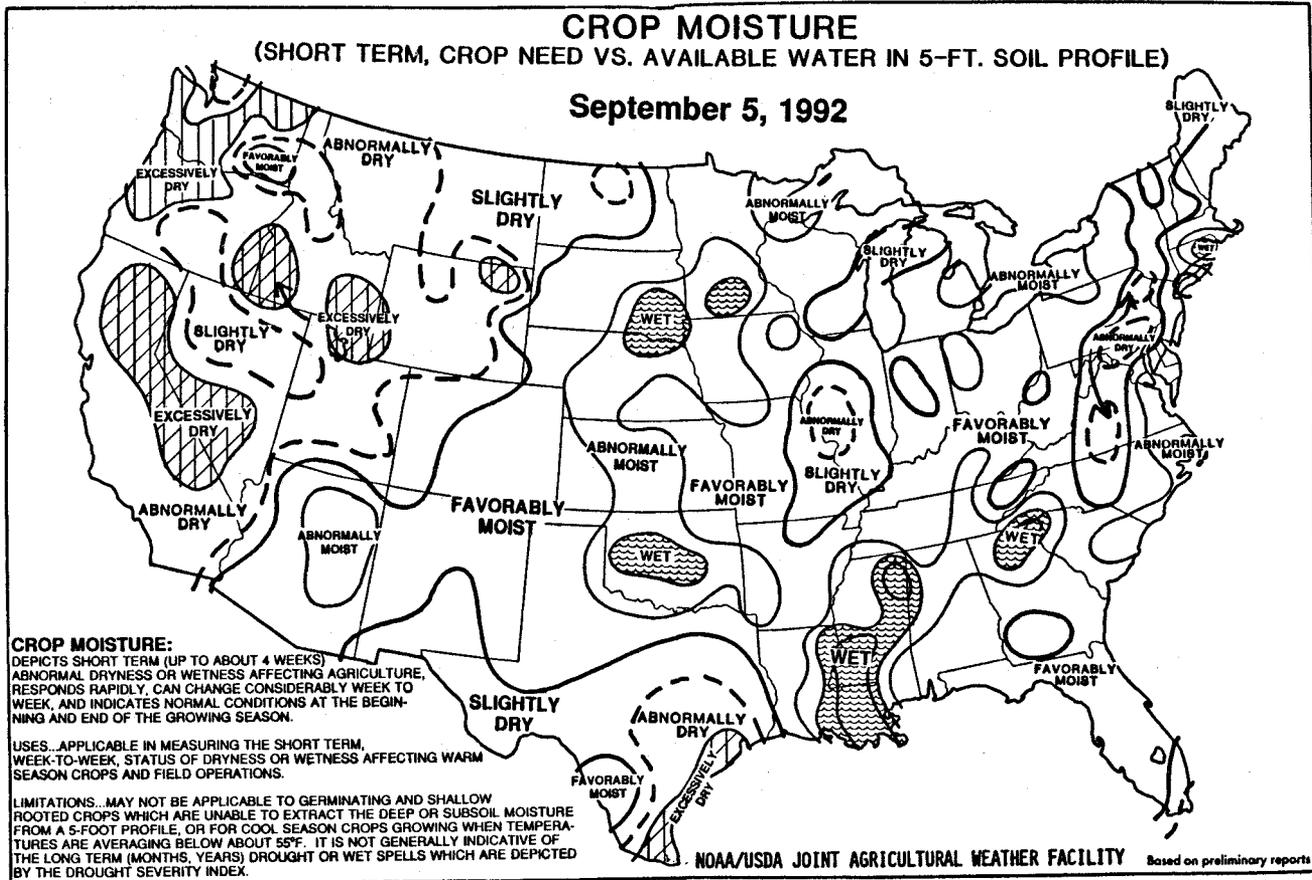
August 30 - September 5, 1992

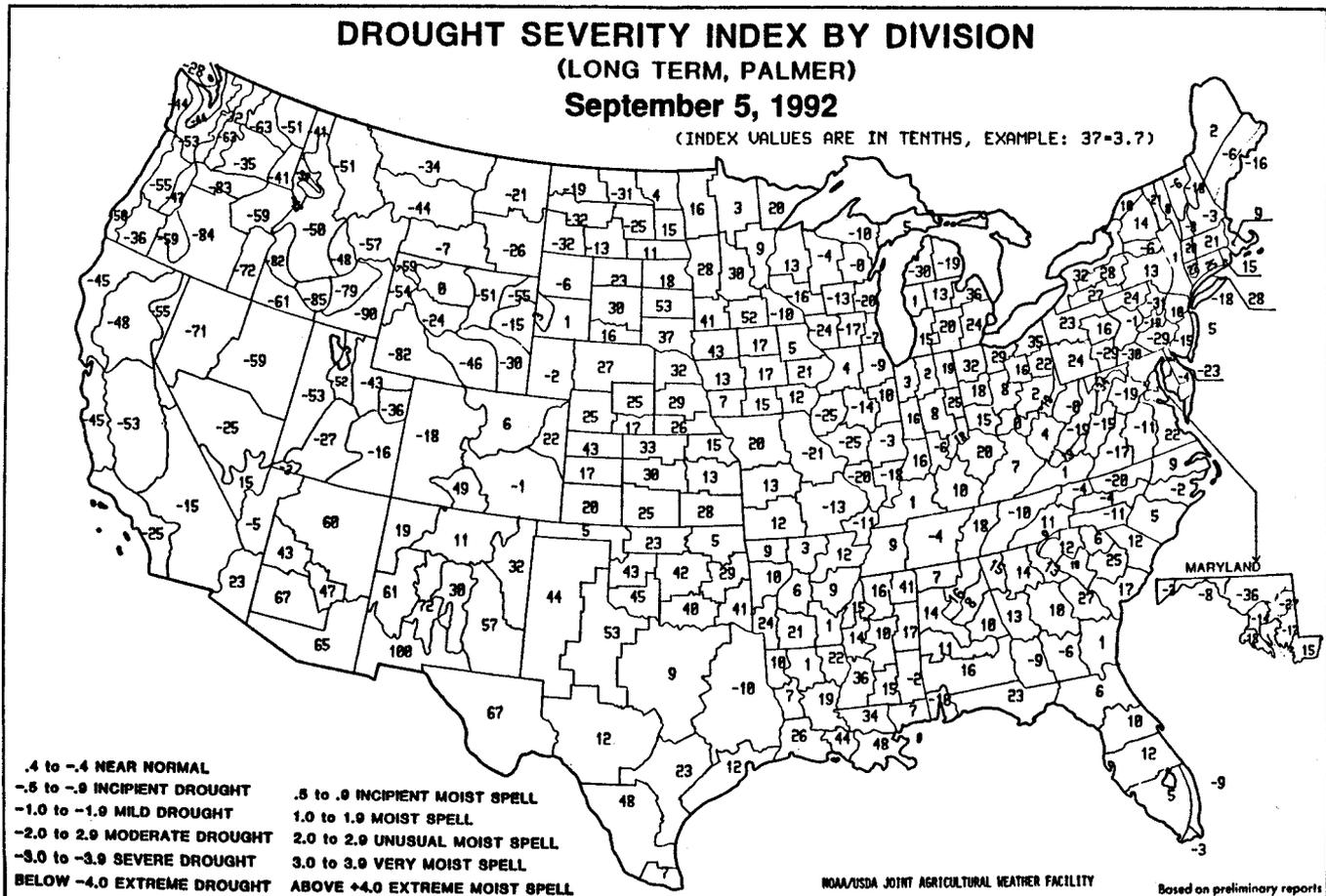
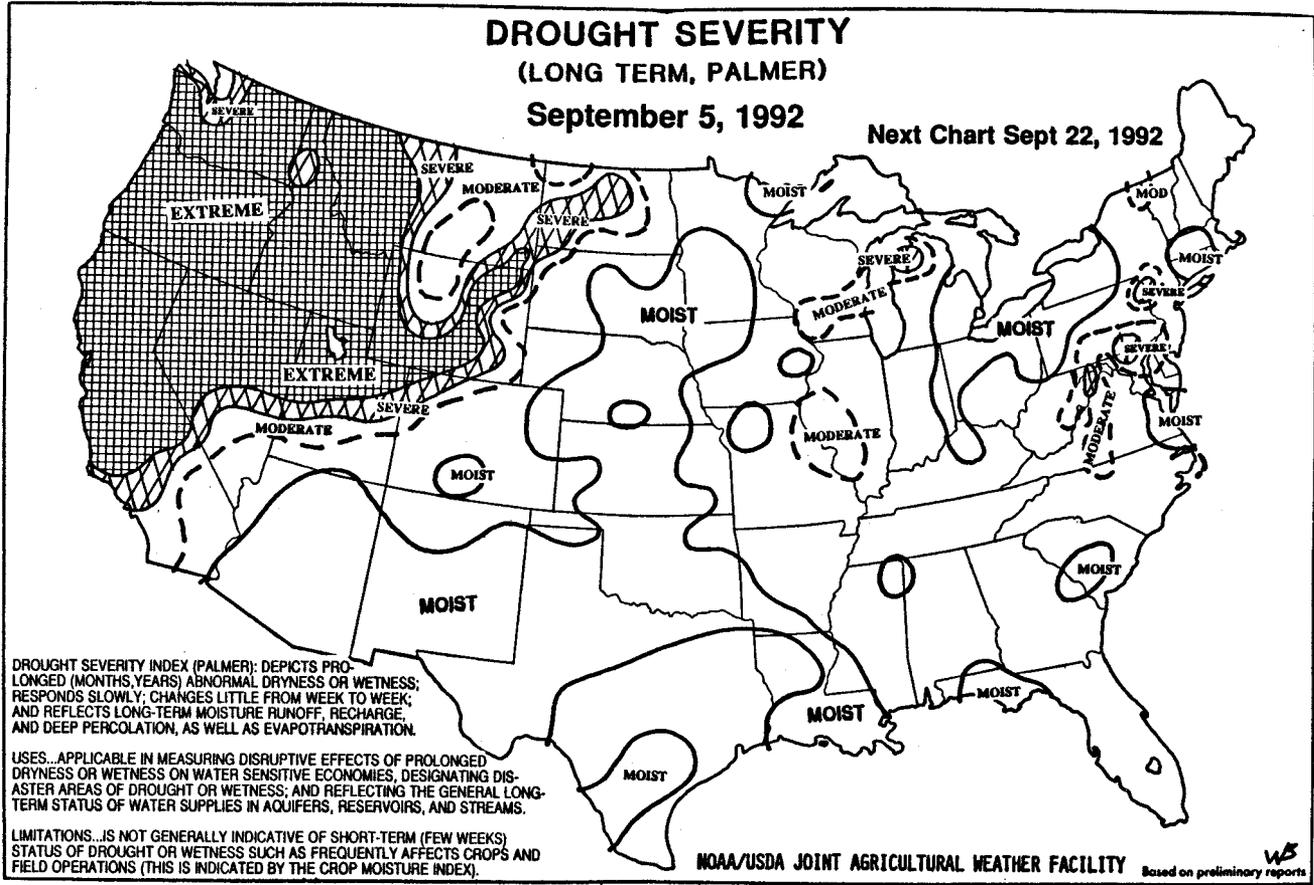
Three vigorous cold fronts kept the Nation's temperatures mostly below normal and dropped abundant moisture on the **Plains and Eastern States**. Early in the week, separate pockets of cool air produced 20 daily record lows in the **Southeast and the northern Plains**. **Huntsville, AL**, reached 54°F and also set its 10th daily record low during August. Temperatures dropped into the 30's as far south as **Rapid City, SD** (39°F). **Bismarck, ND**, recorded 34°F. Between cool areas, locally heavy thunderstorms developed over the **central and southern Plains**. Storms produced nearly 4 inches of rain at **Carlsbad, NM**, and up to 9 inches in **northwestern Kansas**. By midweek, the second front brought heavy rain into the **northern Plains**, delaying spring wheat harvesting. Nearly 3 inches deluged **Jamestown, ND**. The front pressed quickly south-eastward, delivering scattered showers to the **Midwest** and

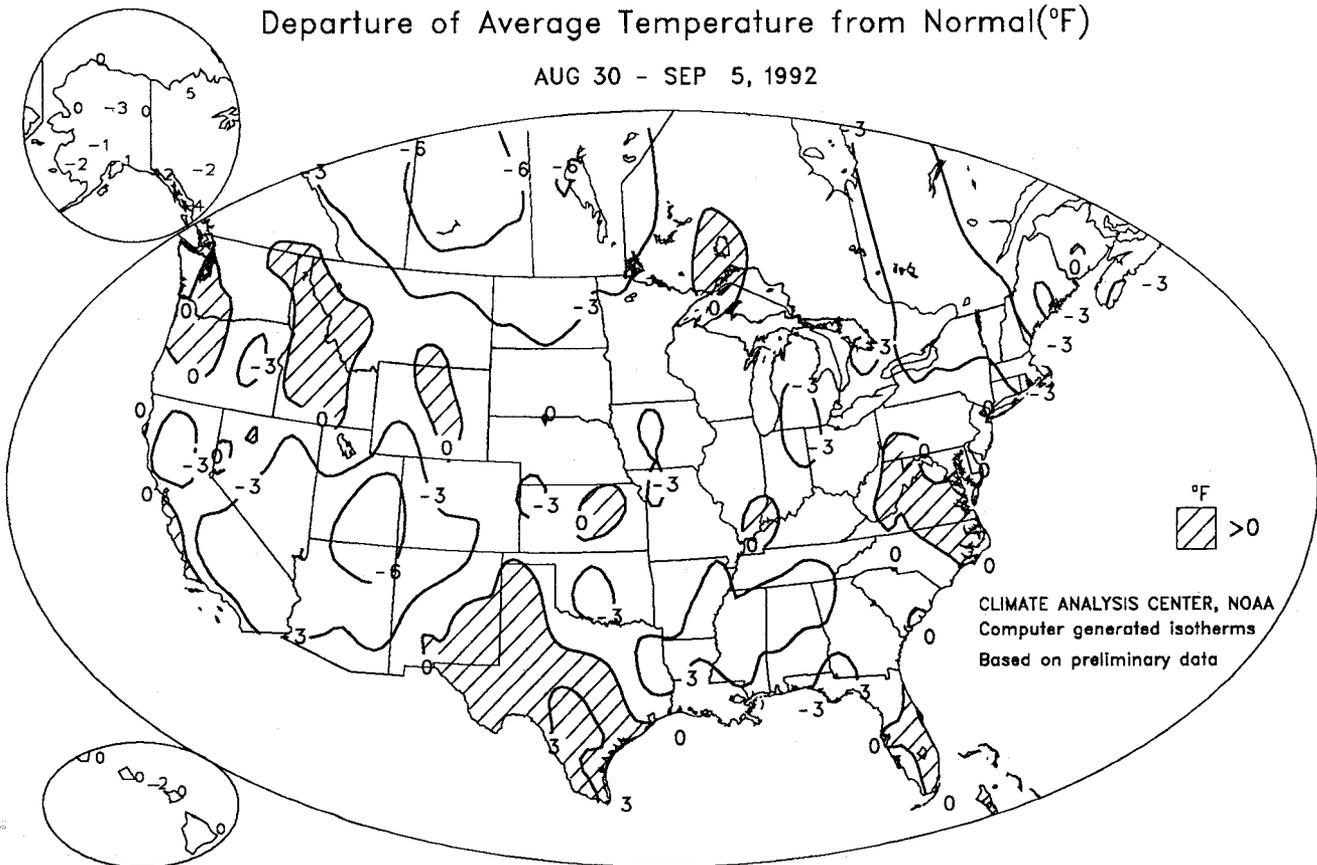
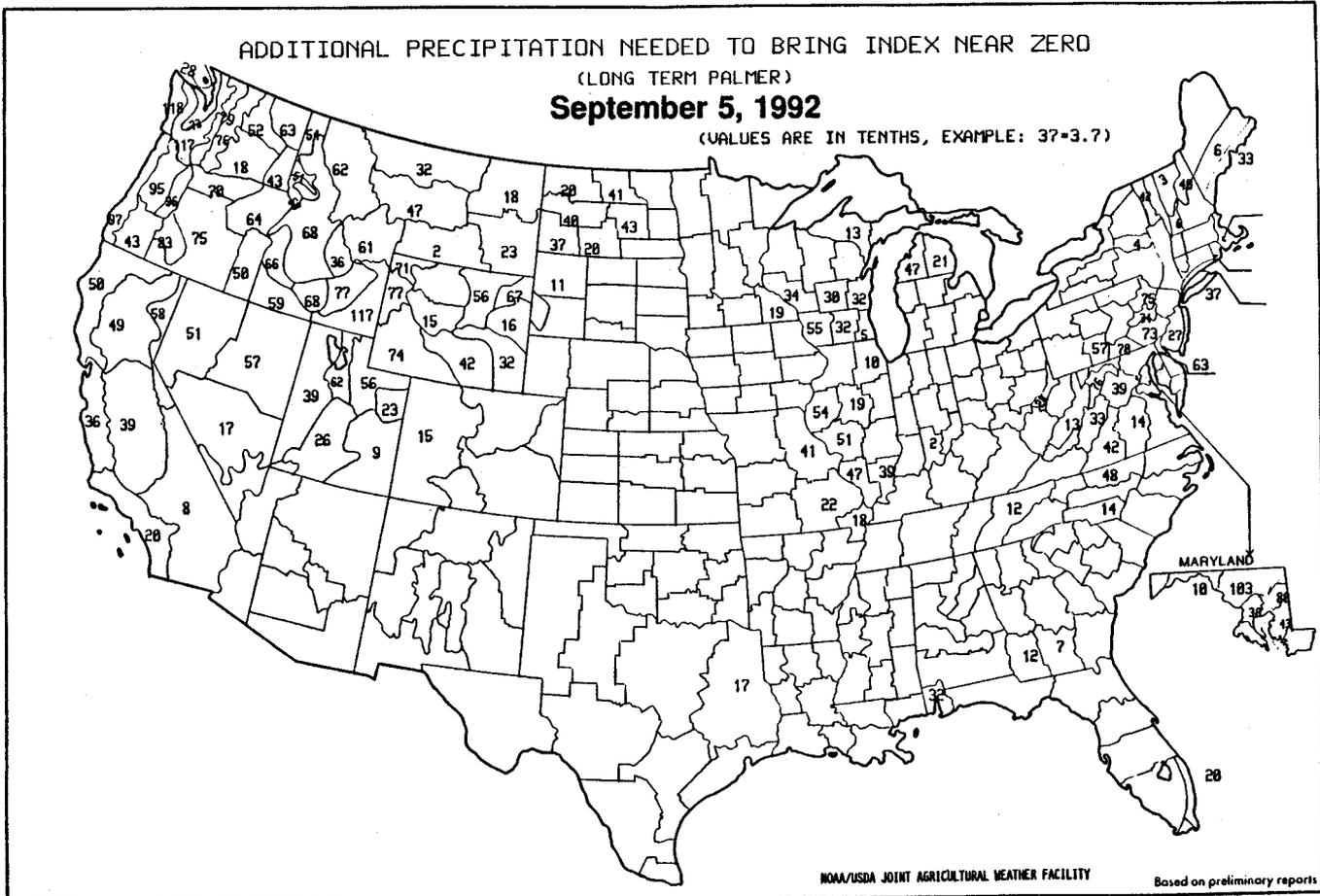
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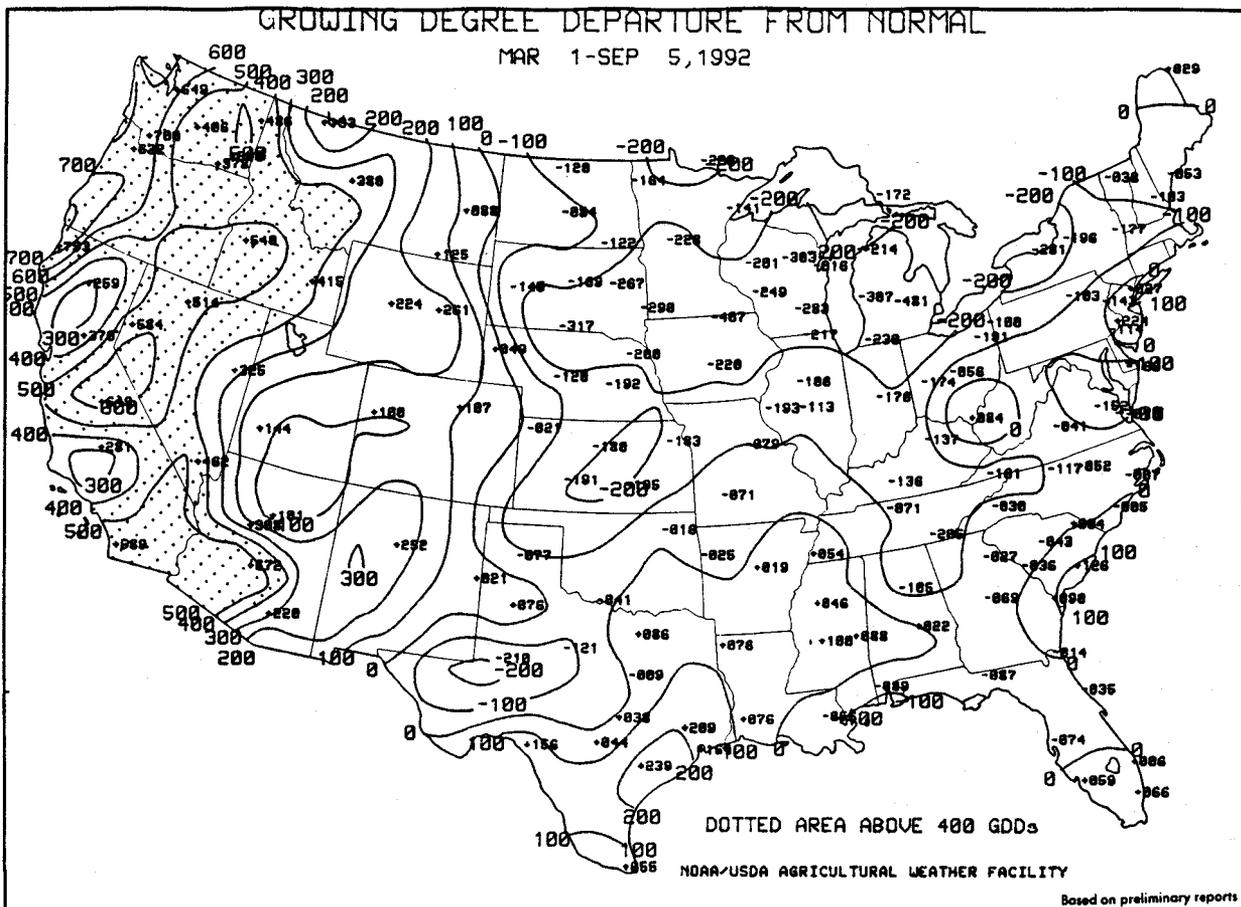
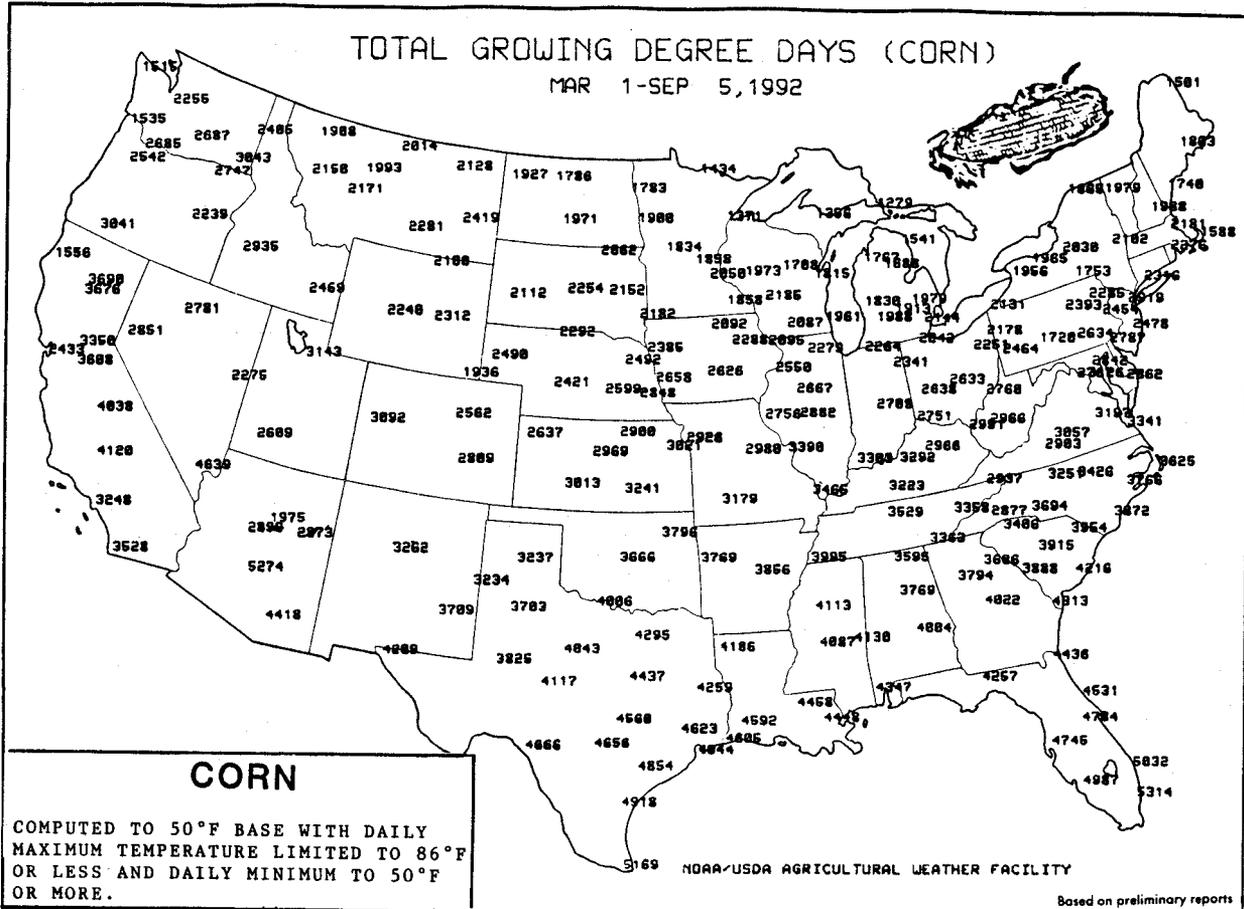
Contents

	Page
Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Drought Severity Maps	3
Precipitation Needed to End Drought & Temperature Departure Map	4
Total Growing Degree Days & Departure Maps ...	5
National Weather Data for Selected Cities	6
August Weather and Crop Summary	9
August Precipitation & Temperature Maps	10
August Weather Data for Selected Cities	12
August Weather in Historical Perspective	13
Summer Weather in Historical Perspective	14
National Agricultural Summary	16
Crop Progress and Condition Tables	17
State Summaries of Weather and Agriculture ...	19
International Weather and Crop Summary & August Temperature/Precipitation Table	26
Subscription and Mailing Permit Information ..	32









National Weather Data for Selected Cities

Weather Data for the Week Ending September 5, 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	.01 INCH OR MORE		.50 INCH OR MORE	
																			TEMP. °F	PRECIP.		
AL BIRMINGHAM	85	63	87	54	74	-4	4.7	3.6	1.6	4.7	620	40.1	101	99	55	0	0	0	0	4	4	
MOBILE	88	68	90	61	78	-3	.1	-1.5	.1	.1	11	48.4	102	97	52	1	0	0	0	2	1	
AK ANCHORAGE	56	46	59	41	51	-2	1.2	.6	.4	.7	178	8.4	92	95	67	0	0	0	6	0	0	
BARROW	41	32	49	29	36	-1	.1	.1	.1	.1	0	1.6	51	98	81	0	4	0	0	0	0	
FAIRBANKS	60	37	66	31	49	-2	.1	.1	.1	.1	17	8.4	114	94	45	0	2	4	4	0	0	
JUNEAU	57	44	69	37	51	-1	1.2	-1.1	.8	.8	85	48.8	162	99	70	0	0	0	2	1	1	
KODIAK	60	43	62	38	52	-1	.3	-1.0	.2	.2	18	40.3	108	92	57	0	0	0	3	0	0	
NOME	52	40	60	35	46	-1	1.1	.4	.9	1.0	207	8.2	83	92	64	0	0	0	4	1	0	
AZ PHOENIX	100	75	102	69	88	0	.4	.2	.0	.0	0	10.8	241	46	15	7	0	0	0	0	0	
PRESCOTT	81	52	82	46	66	-4	.4	.0	.4	.0	0	17.5	181	74	23	0	0	0	1	0	0	
TUCSON	97	66	99	63	81	-2	.0	.4	.0	.0	0	12.0	157	66	18	7	0	0	0	0	0	
YUMA	101	76	104	71	89	-2	.0	-1.1	.0	.0	0	3.5	234	53	16	7	0	0	0	0	0	
AR FORT SMITH	85	65	90	63	75	-2	1.8	1.1	1.3	1.8	340	31.6	115	98	55	3	0	0	3	1	0	
LITTLE ROCK	86	67	90	66	76	-2	.7	-2.2	.4	.7	101	32.9	96	86	54	1	0	0	3	0	0	
CA BAKERSFIELD	87	61	90	55	74	-6	.0	.0	.0	.0	0	5.7	147	72	32	1	0	0	0	0	0	
BUREKA	63	53	66	51	58	1	.0	-1.1	.0	.0	0	15.3	67	95	81	0	0	0	0	0	0	
FRESNO	87	61	92	57	74	-3	.0	.0	.0	.0	0	9.2	132	79	30	2	0	0	0	0	0	
LOS ANGELES	75	63	80	61	69	-1	.0	.0	.0	.0	0	11.9	141	90	56	0	0	0	0	0	0	
REDDING	87	59	91	53	73	-6	.0	-2.0	.0	.0	0	20.2	79	76	25	2	0	0	0	0	0	
SACRAMENTO	84	56	89	53	70	-3	.0	.0	.0	.0	0	10.1	94	91	37	0	0	0	0	0	0	
SAN DIEGO	76	67	77	65	71	-1	.0	.0	.0	.0	0	10.0	160	82	58	0	0	0	0	0	0	
SAN FRANCISCO	73	57	82	55	65	1	.1	.0	.0	.0	0	13.4	108	92	54	0	0	0	0	0	0	
CO DENVER	80	52	88	50	66	-1	.1	.3	.0	.0	0	13.1	110	73	24	0	0	0	0	0	0	
GRAND JUNCTION	80	54	88	45	67	-4	.2	.0	.1	.1	50	6.3	121	75	23	0	0	0	4	0	0	
FUEBLO	84	50	91	46	67	-3	.1	.3	.0	.0	0	9.4	108	75	21	1	0	0	0	0	0	
CT BRIDGEPORT	75	60	81	50	67	-2	3.4	2.6	3.4	3.4	589	33.1	118	90	57	0	0	0	1	1	0	
HARTFORD	75	54	82	44	65	-3	.6	-4.4	.6	.6	84	29.7	101	90	56	0	0	0	1	1	0	
DC WASHINGTON	83	65	86	56	74	-1	.5	-3.4	.4	.5	87	25.2	92	94	52	0	0	0	2	0	0	
FL APALACHICOLA	88	72	90	70	80	0	.5	-1.6	.5	.5	34	40.9	106	99	63	1	0	0	1	1	0	
DAYTONA BEACH	88	72	90	70	80	0	.1	-1.5	.1	.1	9	32.1	95	100	63	1	0	0	2	0	0	
JACKSONVILLE	91	73	92	71	82	1	1.3	-5.1	1.1	1.3	102	46.2	120	97	57	6	0	0	4	1	0	
KEY WEST	89	79	91	76	84	0	.8	-6.6	.6	.8	80	24.8	102	85	65	3	0	0	4	1	0	
MIAMI	89	78	91	74	83	1	1.2	-6.6	.6	.7	51	34.2	87	89	59	5	0	0	5	1	0	
ORLANDO	91	73	93	70	82	0	.5	-1.1	.4	.5	45	37.6	100	98	53	7	0	0	3	0	0	
TALLAHASSEE	90	65	93	58	77	-3	1.6	-1.2	1.6	1.6	131	49.0	101	100	47	4	0	0	3	1	0	
TAMPA	92	73	94	72	82	0	.8	-9.4	.4	.4	29	26.8	75	97	55	7	0	0	4	0	0	
WEST PALM BEACH	89	76	91	71	83	0	1.9	.0	1.0	1.9	135	38.8	100	95	61	1	0	0	5	2	0	
GA ATLANTA	85	67	87	62	76	-1	5.8	5.0	4.0	5.8	>1000	38.1	106	96	54	0	0	0	3	2	0	
AUGUSTA	89	66	91	60	77	-1	2.2	1.3	1.4	2.2	338	36.4	111	100	52	4	0	0	4	2	0	
MACON	87	66	89	60	77	-3	1.5	.6	1.2	1.5	243	40.3	119	98	54	0	0	0	3	1	0	
SAVANNAH	88	70	91	66	79	0	2.2	.8	1.2	2.2	216	41.9	108	96	57	3	0	0	3	2	0	
HI HILO	81	71	84	67	76	0	11.7	10.0	4.5	11.3	954	68.0	80	97	80	0	0	0	7	4	0	
HONOLULU	87	75	89	73	81	0	.4	.3	.2	.4	633	7.1	50	82	53	0	0	0	2	0	0	
KAHULUI	85	73	88	71	79	0	.6	.5	.3	.6	>1000	8.4	68	90	64	0	0	0	4	0	0	
LIHUE	83	74	85	73	79	0	.3	-1.1	.1	.3	90	17.0	64	82	63	0	0	0	4	0	0	
ID BOISE	80	56	88	48	68	0	.1	-1.1	.1	.1	38	4.3	55	54	23	0	0	0	2	0	0	
LEWISTON	80	55	85	50	67	-1	.1	-2.2	.1	.1	0	7.5	86	54	23	0	0	0	0	0	0	
POCATELLO	78	50	87	44	64	0	.4	.3	.4	.1	70	4.8	65	77	26	0	0	0	3	0	0	
IL CHICAGO	77	56	82	50	66	-2	.1	-1.0	.1	.1	5	16.2	66	93	48	0	0	0	1	0	0	
MOLINE	78	55	84	49	67	-2	.4	-5.4	.4	.4	63	23.4	85	98	53	0	0	0	1	0	0	
PEORIA	79	57	84	50	68	-2	.6	-2.6	.6	.6	100	17.5	69	96	51	0	0	0	2	1	0	
QUINCY	80	60	87	52	70	0	.2	-8.1	.1	.2	21	17.7	65	84	41	0	0	0	2	0	0	
ROCKFORD	76	54	82	47	65	-2	.1	-8.1	.1	.1	11	17.2	65	93	51	0	0	0	1	0	0	
SPRINGFIELD	82	60	86	50	71	0	.2	-6.1	.1	.2	27	18.1	73	95	47	0	0	0	3	0	0	
IN EVANSVILLE	83	65	87	61	74	1	.3	-3.2	.2	.3	72	26.0	86	93	59	0	0	0	3	0	0	
FORT WAYNE	77	54	81	49	65	-3	.8	.2	.6	.8	178	26.2	105	96	56	0	0	0	3	1	0	
INDIANAPOLIS	79	60	83	53	70	-1	.1	-6.1	.1	.1	29	28.3	100	92	58	0	0	0	3	0	0	
SOUTH BEND	76	55	80	51	65	-2	1.2	.4	.9	1.2	212	19.9	75	95	50	0	0	0	2	1	0	
IA DES MOINES	78	57	83	46	67	-2	1.0	.2	.5	1.0	168	21.8	93	92	51	0	0	0	3	0	0	
SIoux CITY	77	55	84	46	66	-2	1.6	1.0	1.4	1.6	348	23.3	116	99	60	0	0	0	3	1	0	
WATERLOO	75	52	79	43	63	-3	.5	-3.4	.4	.5	85	21.3	85	97	56	0	0	0	3	0	0	
KS CONCORDIA	83	61	90	52	72	-1	.4	-4.4	.4	.4	71	30.5	144	90	44	1	0	0	1	0	0	
DODGE CITY	84	58	90	53	71	-3	.1	-5.5	.1	.1	6	18.0	109	93	38	1	0	0	1	0	0	
GOODLAND	78	53	87	50	66	-3	3.9	3.5	3.5	3.5	>1000	23.8	181	91	44	0	0	0	2	1	0	
TOPEKA	85	61	89	57	73	0	.5	-3.4	.4	.5	92	23.8	96	94	48	0	0	0	2	0	0	
WICHITA	87	64	93	58	75	0	1.0	.2	1.0	1.0	175	24.5	117	93	43	4	0	0	1	1	0	
KY BOWLING GREEN	81	63	86	52	72	-2	.7	-1.1	.5	.7	120	26.6	75	99	64	0	0	0	4	0	0	
LEXINGTON	79	62	83	57	71	-2	.7	-8.7	.1	.1	2	39.7	118	94	63	0	0	0	1	0	0	
LOUISVILLE	82	64	84	60	73	-1	.9	.1	.5	.7	130	30.7	99	93	59	0	0	0	6	0	0	
LA BATON ROUGE	90	67	93	61	79	-2	.2	-1.0	.2	.2	19	54.9	135	100	54	5	0	0	1	0	0	
LAKE CHARLES	88	69	91	61	78	-2	1.7	.3	1.0	1.7	173	47.3	129	100	64	2	0	0	4	1	0	
NEW ORLEANS	89	69	90	62	79	-2	1.3	-2.2	.9	1.3	118	55.2	128	100	58	1	0	0	2	1	0	
SHREVEPORT	88	66	94	61	77	-3	2.0	1.3	.9	2.0	385	33.6	109	97	50	3	0	0	3	2	0	

Based on 1951-80 normals.

Weather Data for the Week Ending September 5, 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
ME CARIBOU	64	49	71	44	57	-1	.3	-.5	.3	.1	.13	28.2	117	94	63	0	0	2	0	1	0	
PORTLAND	70	52	75	44	61	-2	1.4	-.7	1.4	1.4	265	27.8	100	89	51	0	0	1	1	0	1	
MD BALTIMORE	82	62	87	49	73	0	1.5	-.4	1.5	1.5	80	22.7	77	97	57	0	0	2	2	1	0	
SALISBURY	83	62	87	49	73	0	1.5	-.4	1.5	1.5	156	29.9	94	98	56	0	0	2	2	1	0	
MA BOSTON	72	57	81	53	63	0	1.1	-.1	1.1	1.1	151	25.1	87	84	52	0	0	1	1	1	1	
CHATHAM	69	55	75	53	63	0	.9	-.1	.9	.9	123	27.7	90	89	64	0	0	0	0	2	2	
MI ALPENA	73	46	75	39	59	-4	.4	-.4	.4	.4	4	16.3	81	97	43	0	0	0	0	0	0	
DETROIT	75	55	80	51	65	-2	.4	-.4	.4	.4	102	23.5	106	90	51	0	0	0	0	3	3	
FLINT	75	52	81	48	64	-2	.1	-.5	.1	.1	27	25.9	125	94	51	0	0	1	1	1	0	
GRAND RAPIDS	73	53	80	48	63	-3	.1	-.6	.1	.1	29	25.4	111	96	52	0	0	0	0	1	1	
HOUGHTON LAKE	72	51	78	40	61	-3	.1	-.6	.1	.1	12	16.4	85	93	49	0	0	1	1	1	0	
LANSING	74	51	80	44	62	-3	.1	-.6	.1	.1	26	23.6	114	95	53	0	0	2	2	0	0	
MARQUETTE	67	46	75	41	57	-1	.4	-.5	.3	.3	42	19.5	77	93	62	0	0	2	2	0	0	
MUSKOGON	74	53	81	47	64	-2	.1	-.6	.1	.1	16	14.9	72	95	54	0	0	1	1	1	0	
SAULT ST. MARIE	68	46	74	39	57	-2	.9	-.6	.6	.6	94	19.0	88	95	61	0	0	4	4	1	1	
MN ALEXANDRIA	72	51	77	46	62	-1	1.1	-.5	.9	1.1	249	16.5	86	94	50	0	0	0	0	4	4	
DULUTH	67	49	75	36	58	0	2.5	1.7	1.1	2.2	357	22.8	105	95	61	0	0	5	5	1	1	
INT'L FALLS	66	48	74	43	57	0	.9	-.2	.4	.9	160	19.0	107	97	63	0	0	6	6	0	0	
MINNEAPOLIS	72	54	77	45	63	-2	1.5	-.8	1.1	1.5	310	20.9	103	89	54	0	0	4	4	1	1	
ROCHESTER	72	51	76	44	61	-2	1.3	-.4	1.1	1.3	214	16.8	80	95	59	0	0	3	3	1	1	
MS GREENWOOD	88	66	91	58	77	-1	.3	-.5	.3	.3	48	31.7	84	97	51	1	0	1	1	0	0	
JACKSON	88	64	91	56	76	-3	1.4	-.6	1.4	1.4	225	31.9	85	100	51	1	0	2	2	1	1	
MERIDIAN	89	66	92	58	77	-2	.1	-.7	.1	.1	15	46.0	119	91	44	2	0	2	2	0	0	
MO CAPE GIRARDEAU	84	65	88	62	75	-1	.5	-.4	.5	.5	78	23.4	74	94	57	0	0	2	2	1	1	
COLUMBIA	81	60	88	54	71	-2	.7	-.2	.6	.6	8	18.4	70	95	52	0	0	4	4	2	2	
KANSAS CITY	81	61	87	57	71	-3	3.6	2.6	2.9	3.6	507	38.3	146	95	55	0	0	3	3	2	2	
SAINT LOUIS	81	65	86	61	73	-1	.5	-.2	.2	.2	49	19.5	79	89	53	0	0	3	3	0	0	
SPRINGFIELD	83	63	88	60	73	0	.8	-.7	.2	.2	27	26.7	97	93	54	0	0	2	2	0	0	
MT BILLINGS	79	51	87	42	65	1	.2	-.1	.2	.2	100	9.8	88	83	21	0	0	2	2	0	0	
GLASGOW	75	46	84	38	60	-2	.0	-.3	.0	.0	0	7.2	80	85	27	0	0	0	0	0	0	
GREAT FALLS	74	47	83	40	61	-1	.2	-.3	.2	.2	11	11.1	93	73	24	0	0	1	1	0	0	
HAVRE	72	45	82	37	59	-4	.2	-.3	.2	.2	0	6.2	67	86	33	0	0	0	0	0	0	
HELENA	77	47	86	38	62	2	.2	-.2	.2	.2	0	6.6	73	64	18	0	0	0	0	0	0	
KALISPELL	75	44	81	39	59	1	.2	-.3	.2	.2	0	11.8	107	81	24	0	0	0	0	0	0	
MILES CITY	79	51	86	40	65	-1	.4	-.1	.4	.4	180	11.6	103	77	25	0	0	1	1	0	0	
MISSOULA	77	43	86	39	60	-1	.2	-.1	.2	.2	94	8.7	93	80	22	0	0	1	1	0	0	
NE GRAND ISLAND	80	57	87	50	68	-1	.3	-.3	.3	.3	71	25.6	138	92	48	0	0	1	1	0	0	
LINCOLN	81	58	86	48	70	0	1.7	1.0	.8	1.7	313	20.8	97	94	50	0	0	3	3	2	2	
NORFOLK	78	55	85	48	67	-1	1.3	.7	1.1	1.3	323	22.1	115	93	49	0	0	2	2	1	1	
NORTH PLATTE	80	52	87	46	66	-1	.2	-.2	.2	.2	57	21.5	134	93	43	0	0	1	1	0	0	
OMAHA	78	60	84	53	69	-1	2.0	1.1	1.3	2.0	306	26.3	113	86	57	0	0	3	3	2	2	
SCOTTSBLUFF	80	50	87	41	65	-1	.3	-.1	.2	.1	78	13.0	109	91	32	0	0	2	2	0	0	
VALENTINE	82	51	90	38	67	0	.6	-.2	.5	.6	193	16.4	114	88	34	1	0	2	2	1	1	
NV ELY	74	40	81	31	57	-4	.2	-.1	.2	.2	0	7.1	111	64	22	0	1	2	2	0	0	
LAS VEGAS	92	69	95	66	80	-4	.1	-.0	.1	.0	0	6.9	248	41	17	6	0	1	1	0	0	
RENO	81	49	86	43	65	1	.2	-.1	.2	.2	0	3.0	60	73	19	0	0	0	0	0	0	
WINNEMUCCA	82	48	86	39	65	1	.1	-.0	.1	.1	117	2.1	40	65	18	0	0	1	1	0	0	
NH CONCORD	73	48	79	37	60	-3	.8	-.1	.8	.8	149	19.9	83	97	50	0	0	1	1	0	0	
NJ ATLANTIC CITY	79	59	84	51	69	-2	.7	-.1	.7	.7	121	24.2	83	97	56	0	0	2	2	1	1	
NM ALBUQUERQUE	86	57	90	53	72	-1	.2	-.2	.2	.2	24	8.3	150	60	17	1	0	1	1	0	0	
CLOVIS	85	61	92	56	73	0	.9	-.4	.6	.6	73	18.3	144	89	36	1	0	2	2	1	1	
ROSWELL	94	63	100	60	79	4	.0	-.5	.0	.0	0	11.9	160	69	21	5	0	0	0	0	0	
NY ALBANY	75	51	80	41	63	-2	.3	-.5	.3	.3	49	19.7	82	96	50	0	0	2	2	1	1	
BINGHAMTON	71	52	77	46	62	-2	.7	-.1	.6	.6	111	27.9	111	93	56	0	0	2	2	1	1	
BUFFALO	73	57	84	53	65	-1	1.2	.3	1.1	1.1	177	31.6	127	89	53	0	0	3	3	1	1	
NEW YORK	79	64	82	59	71	-1	.6	-.3	.6	.6	102	23.7	81	83	50	0	0	1	1	0	0	
ROCHESTER	73	52	81	47	63	-3	.7	-.0	.6	.6	133	26.2	122	97	55	0	0	2	2	1	1	
SYRACUSE	74	53	80	45	63	-2	.6	-.2	.5	.5	91	30.6	115	90	52	0	0	3	3	1	1	
NC ASHVILLE	80	60	82	51	70	0	1.2	.2	.9	1.2	172	36.9	118	99	55	0	0	4	4	1	1	
CHARLOTTE	86	66	88	60	76	0	2.6	1.8	2.5	2.6	417	33.4	107	91	51	0	0	2	2	1	1	
GREENSBORO	84	62	87	54	73	0	.8	-.1	.6	.8	122	29.6	97	95	54	0	0	2	2	1	1	
HATTERAS	86	70	87	64	78	1	.5	-.9	.5	.5	49	41.9	113	95	59	0	0	2	2	0	0	
NEW BERN	88	67	93	60	78	1	.4	-.5	.4	.4	69	30.2	99	96	48	2	0	1	1	0	0	
RALEIGH	86	64	88	54	75	0	.2	-.4	.4	.4	69	30.2	99	97	52	0	0	3	3	0	0	
WILMINGTON	88	68	91	62	78	0	.3	-.2	.3	.3	29	49.6	126	97	53	1	0	1	1	0	0	
ND BISMARCK	72	45	77	34	59	-3	.7	-.3	.6	.7	250	10.4	85	96	45	0	0	3	3	1	1	
FARGO	71	49	79	43	60	-3	.7	-.2	.6	.7	186	16.0	105	92	50	0	0	2	2	1	1	
GRAND FORKS	70	49	78	44	59	-2	.2	-.3	.2	.2	56	14.1	100	92	53	0	0	1	1	0	0	
WILLISTON	72	44	81	37	58	-4	.2	-.2	.1	.2	67	10.2	95	92	38	0	0	2	2	0	0	
OH AKRON-CANTON	74	56	81	51	65	-2	.4	-.3	.2	.4	77	32.4	125	95	64	0	0	3	3	0	0	
CINCINNATI	77	60	81	51	69	-3	1.1	.4	1.1	1.1	224	28.6	99	99	66	0	0	3	3	1	1	
CLEVELAND	76	57	82	52	66	-2	.9	-.1	.6	.8	150	32.9	132	94	57	0	0	3	3	1	1	
COLUMBUS	78	60	83	51	69	-1	.1	-.6	.1	.1	21	30.9	112	95	60	0	0	2	2	0	0	
DAYTON	78	59	84	53	69	-1	.1	-.6	.1	.1	14	30.3	118	94	56	0	0	2	2	0	0	

Based on 1951-80 normals.

Weather Data for the Week Ending September 5, 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		
TOLEDO	77	54	82	52	66	-1	.2	-.5	.1	.2	43	23.5	104	94	53	0	0	0	0	3	0	
YOUNGSTOWN	73	54	80	48	64	-1	.7	-.0	.4	.6	104	28.5	108	99	66	0	0	0	0	3	0	
OK OKLAHOMA CITY	84	66	92	63	75	-1	1.3	-.5	.9	1.1	202	29.3	130	95	56	1	0	0	0	1	1	
TULSA	86	67	92	66	77	-1	.9	-.1	.6	.7	100	27.9	102	91	52	3	0	0	0	5	1	
OR ASTORIA	66	52	69	46	59	-1	.2	-.3	.2	.2	54	26.0	67	97	62	0	0	0	0	0	0	
BURNS	75	44	84	41	59	-1	.1	-.1	.1	.1	175	6.2	98	66	24	0	0	0	0	2	0	
MEDFORD	85	53	92	50	69	0	.0	-.1	.1	.1	44	7.5	68	85	29	1	0	0	0	1	0	
PENDLETON	80	53	84	49	67	0	.0	-.1	.1	.1	4	5.1	67	55	23	0	0	0	0	0	0	
PORTLAND	76	56	84	50	66	1	.0	-.3	.3	.3	18	15.6	73	92	42	0	0	0	0	1	0	
SALEM	78	52	85	47	65	0	.3	-.0	.3	.3	0	16.5	73	85	39	0	0	0	0	1	0	
PA ALLENTOWN	78	57	84	49	67	-1	.2	-.9	.2	.2	22	25.2	83	96	54	0	0	0	0	1	0	
ERIE	74	58	82	52	66	0	1.7	-.7	1.4	1.6	242	26.2	100	91	59	0	0	0	0	4	1	
HARRISBURG	79	60	85	50	70	-1	.0	-.8	.0	.0	0	18.7	69	88	48	0	0	0	0	0	0	
PHILADELPHIA	81	64	86	56	72	0	.1	-.8	.1	.1	18	18.4	63	89	48	0	0	0	0	1	0	
PITTSBURGH	89	65	93	58	77	0	.3	-.4	.3	.3	65	26.4	99	94	56	0	0	0	0	2	0	
SCRANTON	78	56	82	49	67	0	.0	-.7	.0	.0	7	18.6	78	91	50	0	0	0	0	1	0	
RI PROVIDENCE	75	55	82	47	65	-2	2.0	1.2	2.0	2.0	334	31.0	103	88	49	0	0	0	0	1	1	
SC CHARLESTON	87	70	91	68	79	0	1.0	-.4	.9	1.0	102	39.7	101	96	57	1	0	0	0	3	1	
COLUMBIA	89	65	93	58	77	-1	1.5	-.4	1.4	1.5	186	35.4	95	97	48	4	0	0	0	3	1	
FLORENCE	87	66	91	62	77	-1	2.8	1.7	2.0	2.8	368	35.2	106	97	54	1	0	0	0	3	2	
GREENVILLE	85	63	87	56	74	-1	.9	-.2	.5	.9	113	37.9	103	98	52	0	0	0	0	3	1	
SD ABERDEEN	76	51	86	40	63	-1	.3	-.1	.2	.3	96	13.3	92	94	42	0	0	0	2	0	0	
HURON	76	53	85	45	64	-2	1.0	-.7	.8	1.0	400	19.2	130	92	50	0	0	0	2	1	0	
RAPID CITY	80	49	91	38	65	-1	.2	-.1	.2	.2	79	11.6	86	81	30	2	0	0	1	0	0	
SIOUX FALLS	75	54	81	45	64	-2	2.4	1.7	2.0	2.4	461	27.2	146	92	55	0	0	0	0	5	1	
TN CHATTANOOGA	82	62	86	53	72	-4	2.2	1.2	.9	2.2	301	37.4	101	100	57	0	0	0	0	3	3	
KNOXVILLE	82	63	86	54	73	-2	.3	-.4	.2	.3	56	28.7	85	100	60	0	0	0	0	2	0	
MEMPHIS	85	66	89	61	76	-2	.4	-.5	.3	.4	62	31.9	86	93	55	0	0	0	0	2	0	
NASHVILLE	83	64	87	55	74	-2	1.2	-.3	.8	1.2	188	28.6	83	96	60	0	0	0	0	4	1	
TX ABILENE	92	68	94	63	80	0	2.7	2.0	1.3	1.3	260	22.6	138	90	40	6	0	0	3	2	0	
AMARILLO	85	62	90	58	73	0	.2	-.3	.2	.0	0	18.8	124	93	36	1	0	0	0	1	0	
AUSTIN	95	72	98	66	84	1	.7	-.0	.7	.7	128	36.4	175	94	40	7	0	0	1	1	0	
BEAUMONT	90	71	92	63	80	-1	.7	-.6	.6	.7	72	47.5	125	100	58	3	0	0	3	1	0	
BROWNSVILLE	94	76	96	76	85	2	.0	-.1	.0	.0	0	20.9	141	93	49	7	0	0	0	0	0	
CORPUS CHRISTI	93	76	94	74	84	1	.0	-.5	.0	.0	0	30.7	151	94	55	7	0	0	0	0	0	
DEL RIO	96	74	99	73	85	2	.0	-.6	.0	.0	0	18.2	160	65	29	7	0	0	0	0	0	
EL PASO	96	66	99	64	81	3	.0	-.3	.0	.0	0	9.4	183	57	17	7	0	0	0	0	0	
FORT WORTH	89	71	95	67	80	-1	.5	-.2	.3	.5	102	28.7	134	88	50	4	0	0	2	0	0	
GALVESTON	88	77	91	71	83	0	1.8	-.4	1.8	1.8	169	38.1	145	84	63	1	0	0	1	1	1	
HOUSTON	90	71	94	63	80	-1	1.1	-.1	.7	.4	42	41.2	133	99	56	4	0	0	4	1	1	
LUBBOCK	87	64	94	60	76	1	.9	-.5	.6	.6	169	19.5	149	95	45	4	0	0	3	1	1	
MIDLAND	94	65	98	62	80	2	.2	-.3	.1	.1	6	19.9	212	90	36	6	0	0	2	0	0	
SAN ANGELO	95	69	100	65	82	2	.3	-.4	.2	.3	56	18.0	151	87	34	6	0	0	2	0	0	
SAN ANTONIO	97	75	98	65	86	4	.0	-.8	.0	.0	0	38.8	201	87	36	7	0	0	0	0	0	
VICTORIA	96	74	98	66	85	2	.1	-.2	.1	.1	6	40.7	168	96	44	7	0	0	2	0	0	
WACO	95	72	99	68	84	1	.5	-.2	.5	.5	98	28.0	134	90	41	6	0	0	1	0	0	
WICHITA FALLS	89	68	96	66	79	-2	1.0	-.3	.5	.3	50	20.6	111	95	50	4	0	0	3	1	0	
UT CEDAR CITY	76	49	81	42	62	-5	.5	-.2	.4	.4	0	8.4	117	81	26	0	0	0	2	0	0	
SALT LAKE CITY	80	57	87	53	69	-1	.6	-.4	.4	.5	321	7.5	70	70	25	0	0	0	4	0	0	
VT BURLINGTON	70	50	78	40	60	-3	.9	-.1	.7	.7	128	19.3	84	95	52	0	0	0	3	1	0	
VA NORFOLK	86	67	90	60	77	1	1.0	-.1	.9	1.0	123	35.9	112	91	50	1	0	0	2	1	1	
RICHMOND	86	64	88	53	75	1	.6	-.4	.5	.6	86	32.5	106	96	52	0	0	0	2	1	0	
ROANOKE	83	60	87	49	72	0	.8	-.0	.3	.8	141	31.5	114	97	53	0	0	0	4	0	0	
WA QUILLAYUTE	64	50	70	44	57	-2	.7	-.3	.6	.1	13	52.3	87	99	71	0	0	0	3	1	0	
SEATTLE-TACOMA	72	53	78	47	63	0	.1	-.3	.1	.1	30	19.7	92	91	45	0	0	0	3	0	0	
SPOKANE	77	50	82	39	63	0	.0	-.2	.0	.0	17	8.2	79	62	21	0	0	0	1	0	0	
YAKIMA	81	49	88	44	65	0	.0	-.1	.0	.0	0	4.0	83	79	26	0	0	0	0	0	0	
WV BECKLEY	77	58	79	47	67	1	.3	-.6	.2	.3	51	29.4	96	93	54	0	0	0	3	0	0	
CHARLESTON	82	60	84	51	71	0	.0	-.8	.0	.0	5	31.1	100	98	54	0	0	0	2	0	0	
HUNTINGTON	81	59	84	52	70	-2	.1	-.7	.0	.1	14	29.3	97	99	57	0	0	0	3	0	0	
PARKERSBURG	80	59	83	51	69	-2	.1	-.6	.1	.1	20	26.4	94	97	59	0	0	0	2	0	0	
WI GREEN BAY	74	49	86	43	62	-1	.1	-.7	.1	.1	15	16.3	81	97	49	0	0	0	1	0	0	
LACROSSE	72	56	81	47	64	-2	1.1	-.3	1.0	1.1	181	20.3	90	97	57	0	0	0	2	1	0	
MADISON	76	53	82	44	64	0	.4	-.4	.4	.4	68	18.3	80	90	49	0	0	0	2	0	0	
MILWAUKEE	75	58	79	52	66	0	.5	-.2	.5	.5	96	21.0	95	86	53	0	0	0	1	0	0	
WAUSAU	70	49	81	40	59	-3	2.5	1.5	1.5	2.5	348	20.3	88	96	58	0	0	0	3	2	0	
WY CASPER	79	50	86	39	64	1	.0	-.1	.0	.0	0	7.1	82	69	24	0	0	0	1	0	0	
CHEYENNE	75	49	80	43	62	0	.1	-.2	.1	.1	0	10.3	95	78	26	0	0	0	1	0	0	
LANDER	76	47	83	41	62	-2	.0	-.1	.0	.0	0	10.2	104	67	24	0	0	0	1	0	0	
SHERIDAN	78	48	86	36	63	0	.2	-.1	.1	.1	72	11.3	99	81	28	0	0	0	3	0	0	

Based on 1951-80 normals.

August Weather and Crop Summary

Weather

While major weather events such as Hurricane "Andrew" and western wildfires grabbed the headlines, other significant anomalies were buried. For instance, drier-than-normal weather returned to much of the central Corn Belt during August. Central Illinois received less than half an inch of rain, including Peoria (0.25 in.), which had its driest August in 136 years.

August's weather pattern remained largely unchanged from the previous summer months, with a steady progression of Canadian cold fronts more commonly observed in spring or fall. Unlike July, however, cold fronts proceeded deeper into the Southeast before stalling, resulting in the Midwest's drying trend. The core of anomalous chill blanketed the Central States, where temperatures averaged more than 6°F below normal. Dubuque, IA, with an average temperature of 64°F, 6°F below normal, was one of many locations to experience a record-cold August, toppling the standard set in 1915. Widespread warmer-than-normal conditions were restricted to areas west of the Continental Divide. Sacramento, CA, reached the 90°F mark on 39 consecutive days ending August 20, breaking the record of 35 days set during the summer of 1967.

Aside from Hurricane "Andrew," which devastated southern Florida on August 24, and battered parts of Louisiana and Mississippi with heavy rain and high winds on August 26 and 27 (see special articles in the *Weekly Weather and Crop Bulletin*, Vol. 79, No. 34 and 35), notable weather (or weather-related) events included:

- * an east coast storm (August 12 - 18)
- * large wildfires (especially CA and ID)
- * cold in the Northwest (August 24 - 26)

The east coast storm deposited as much as 14 inches of rain in eastern North Carolina and entrained enough cold air to give an early freeze to Michigan's Upper Peninsula (Ironwood reached 31°F on August 13). Meanwhile in the West, Idaho's largest blaze grew to more than 230,000 acres (360 square miles) near Boise, and California's largest blaze since 1987 spread to 64,000 acres in Shasta County. But the arrival of cooler air after August 23 allowed for nearly full containment of fires throughout the drought-ravaged Northwest by month's end. The premature Canadian cold front brought a hard freeze to western Montana, the northern and central Rockies, and the northern Great Basin. Temperatures, which had been in the 90's only 3 days earlier, plunged to 30°F in Great Falls, MT, and to 24°F in Burns, OR. In addition, the front absorbed the remnants of the eastern Pacific Hurricane "Lester." Heavy rain spread from Arizona to the western Great Lakes, and 6 inches of snow fell in Helena, MT.

Fieldwork

Intermittent rainfall throughout August from the Great Plains eastward thwarted harvest activities, but improved crop prospects. Dry, hot weather in the West aggravated already short moisture supplies. Continuous below-normal temperatures in the Central and Eastern States furthered concerns over late crop development. Hurricane Andrew caused heavy damage to southern Louisiana sugarcane at the end of the month, in addition to the destruction of most southern Florida limes and avocados remaining for harvest.

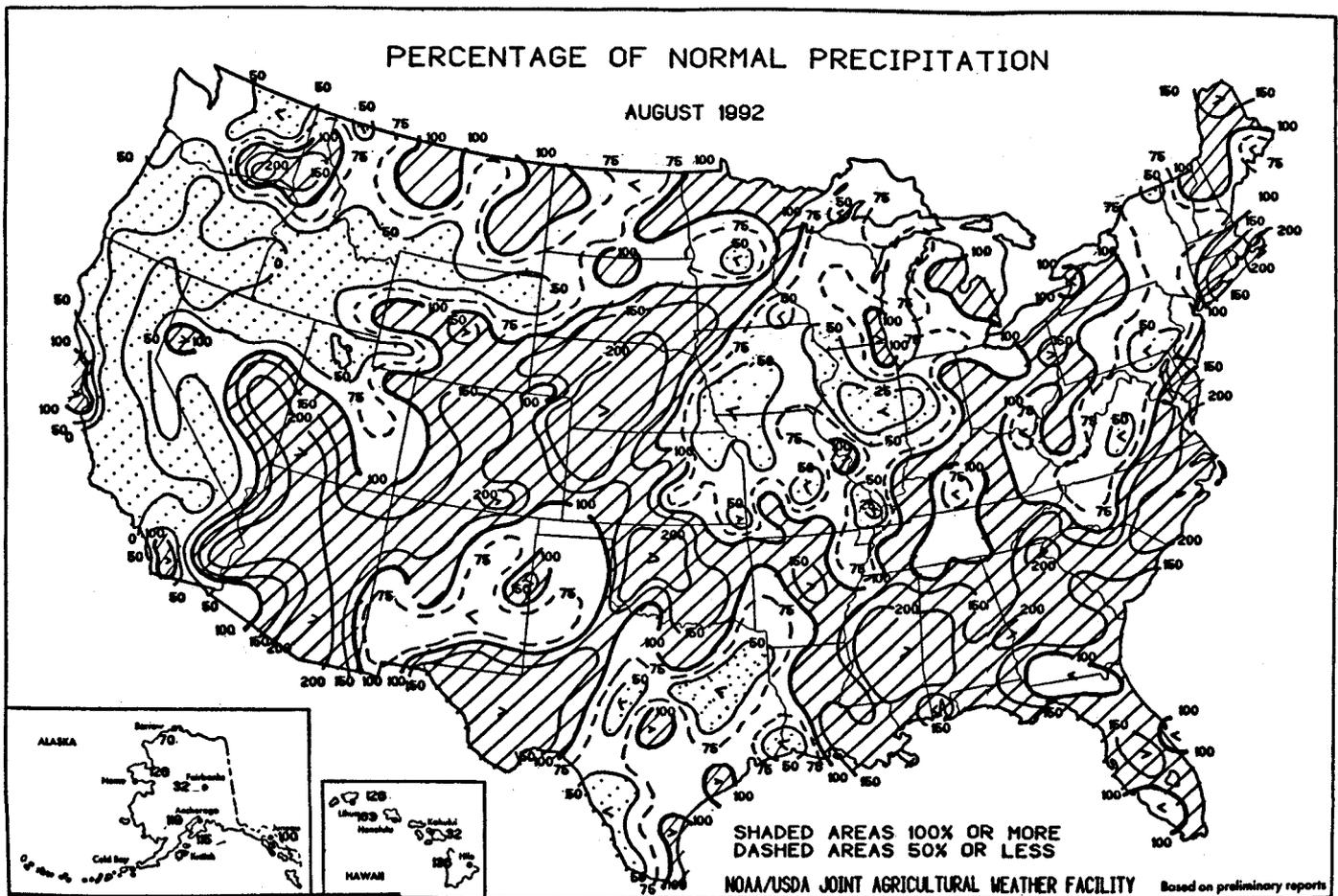
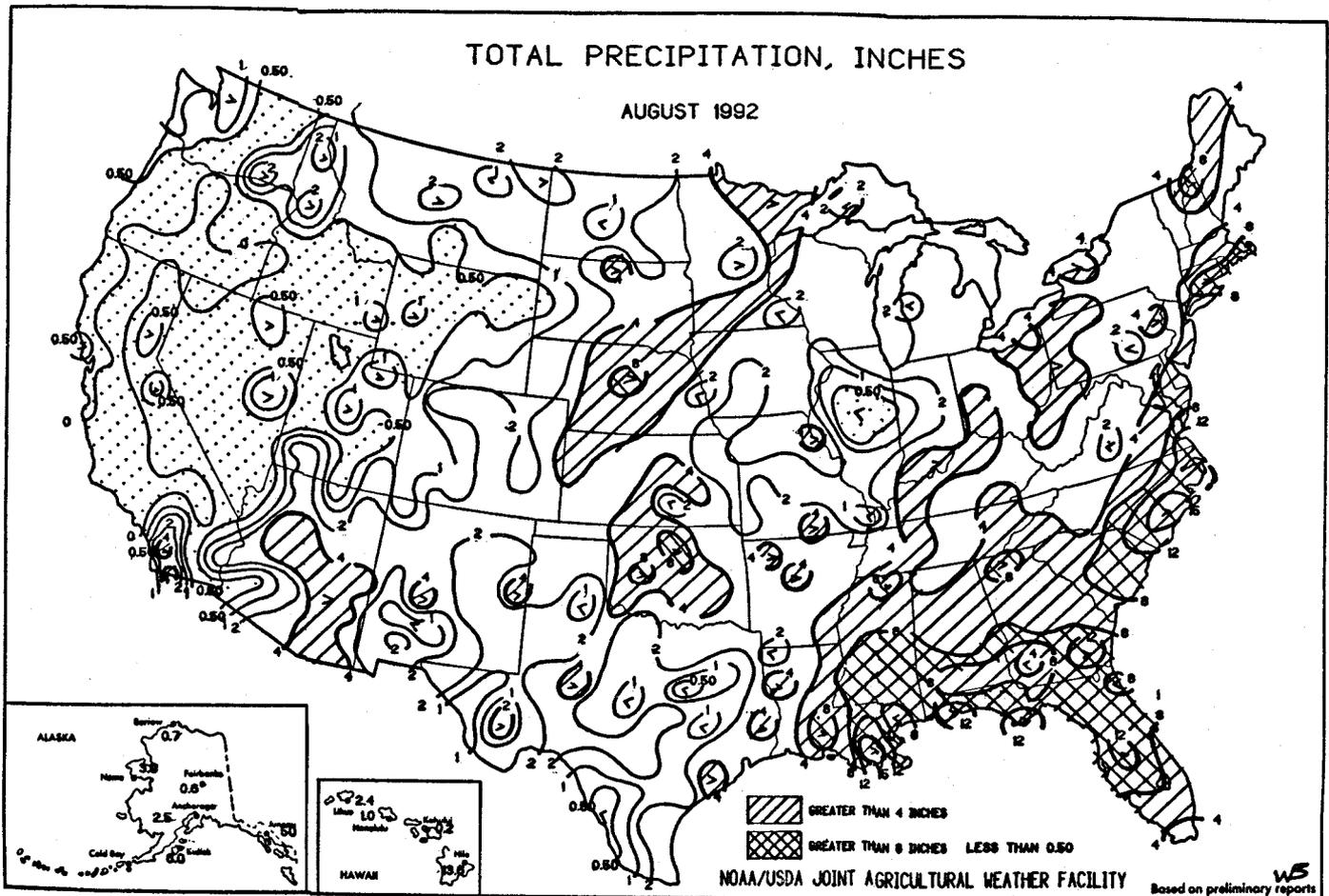
The abnormal coolness of the growing season resulted in delayed **corn** progress entering August, despite early seeding of the crop. Below-normal temperatures continued to prevail across the Corn Belt during August, further inhibiting development. On August 30, crop progress remained well behind normal throughout the Corn Belt, with the most extreme delays in the northernmost States. Seventy-one percent (%) of the crop was in the dough stage in the 17 major States, compared with 91% last year and 89% average. Only 30% of the crop had dented, compared with 72% last year and 64% average. Harvest was active between rains in the South during the month, and was well past the halfway point of completion in Texas.

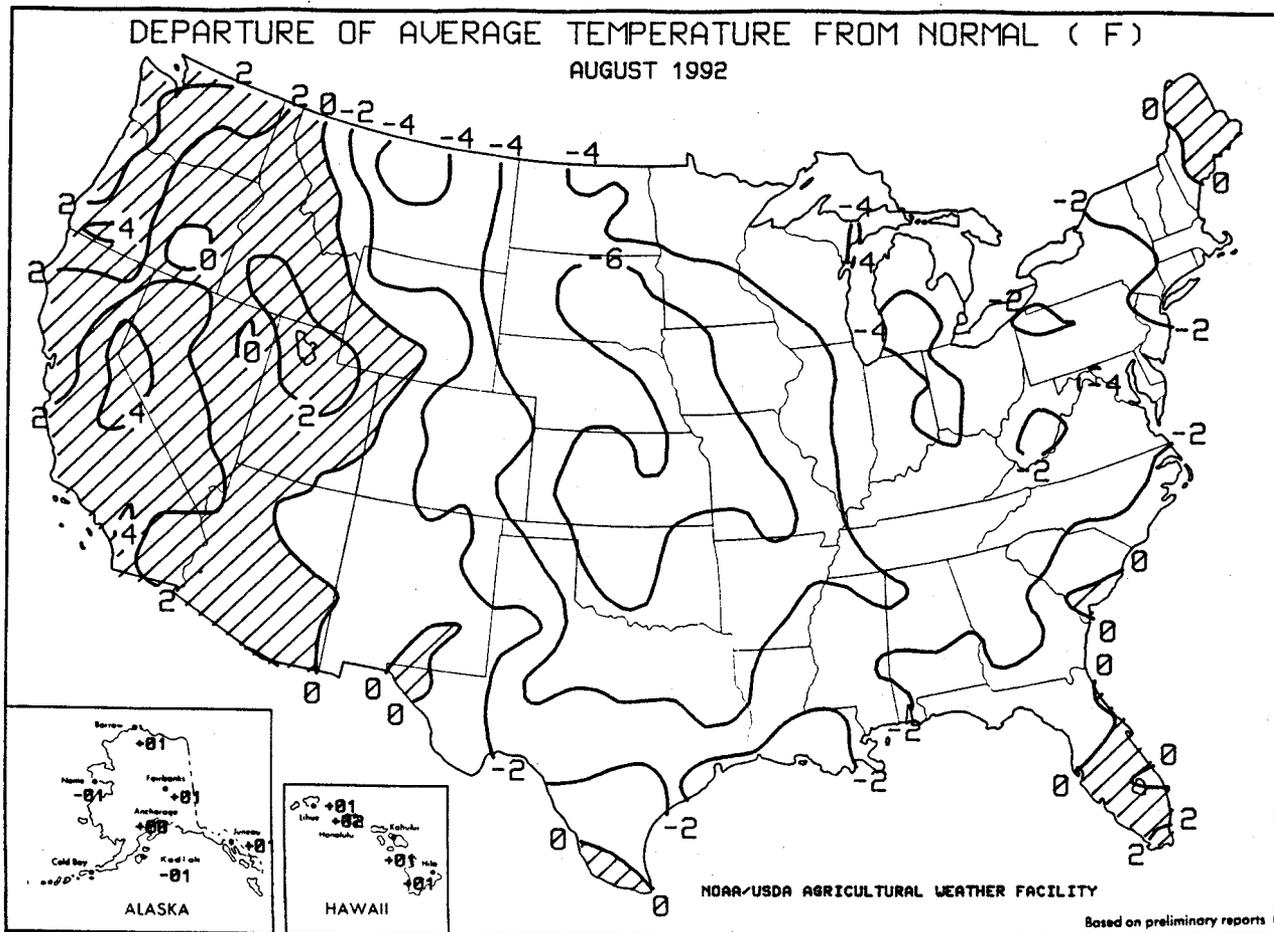
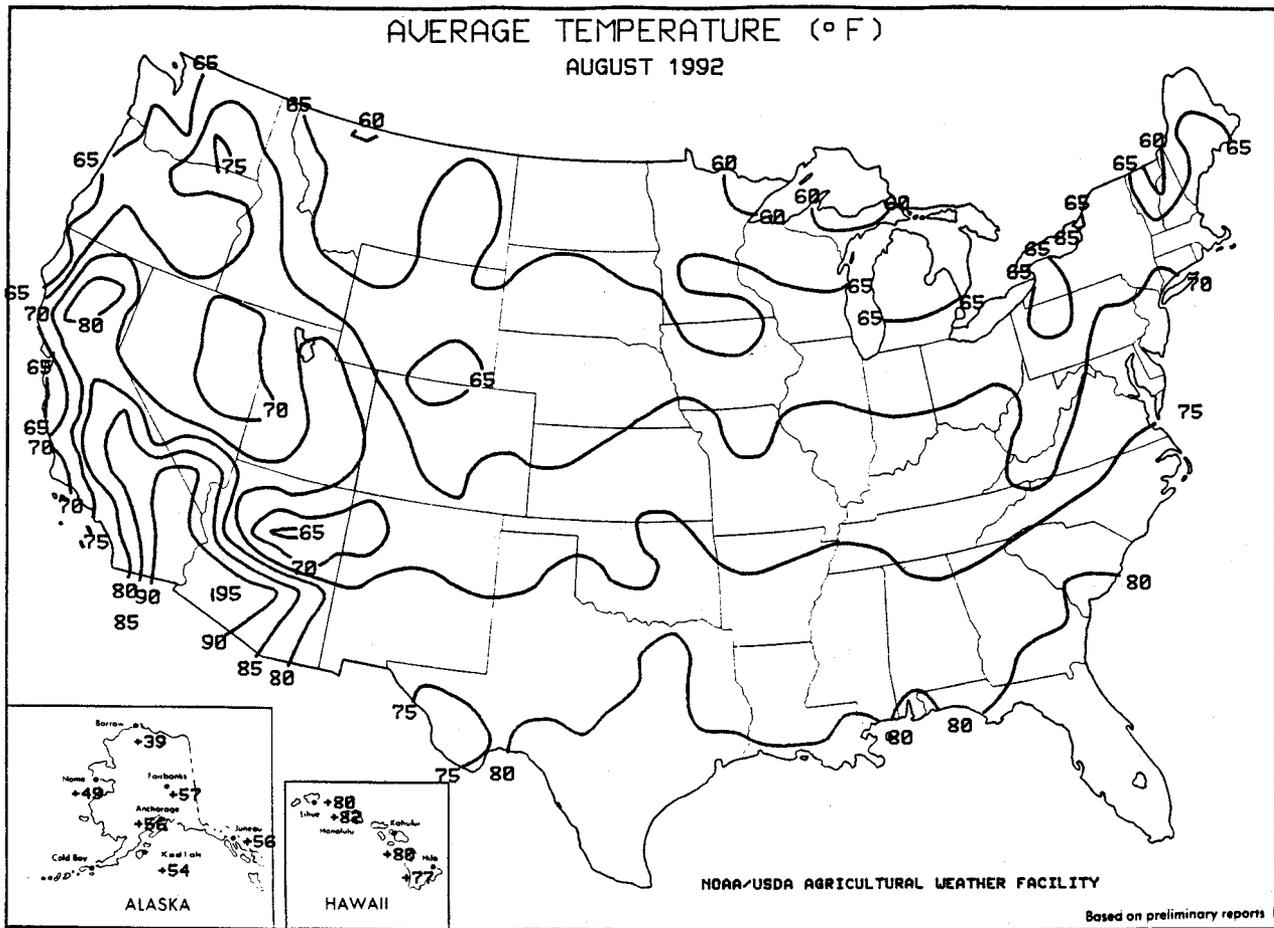
Soybean bloom was well along by the beginning of August, and pod setting was advancing. Crop progress was behind normal in the northern producing States, but was ahead of normal in the Delta. Soybean progress rebounded somewhat during the month despite continued below-normal temperatures. Pods were setting on 93% of the acreage by August 30, 2 points ahead of both last year and the historic average. Leaves were dropping on 2% of the acreage, compared with 13% last year and 8% average. Harvest was active in Texas.

Winter wheat harvest was active, though nearly complete, in the central Great Plains and middle Mississippi Valley entering August, was in full swing in the Pacific Northwest, and was gaining momentum in the northern Rocky Mountains and Great Plains. Harvest progressed fairly well despite scattered rainfall during August, and was nearing completion by the end of the month. Seeding of 1993 crop winter wheat got underway in several States late in the month.

The **spring wheat** crop, delayed due to abnormally cool weather, was behind schedule entering August with harvest still in the early stages. Harvest was active throughout the month, but late ripening of the crop and scattered rains checked progress. Spring wheat harvest was only 40% complete in the five major producing States by August 30, 50 percentage points behind last year and 51 points behind the 5-year average. Harvest was nearing completion in Idaho, but was very delayed in Montana, Minnesota, and the Dakotas.

(Continued to back cover)





TEMPERATURE AND PRECIPITATION SUMMARY

August 1992

STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	76	-4	7.4	3.6	LAKE CHARLES	80	-2	2.5	-3.0	OK YOUNGSTOWN	65	-4	3.9	0.4
HUNTSVILLE	74	-4	3.4	0.3	NEW ORLEANS	80	-2	9.6	3.6	OK OKLAHOMA CITY	75	-6	5.8	3.3
MOBILE	79	-2	8.3	1.6	SHREVEPORT	79	-4	1.2	-1.2	TULSA	77	-5	3.1	0.1
MONTGOMERY	78	-3	4.3	1.1	ME CARIBOU	64	2	6.3	2.3	OR ASTORIA	61	0	0.8	-0.8
ANCHORAGE	56	0	2.5	0.4	PORTLAND	67	0	2.6	-0.2	BURNS	66	-1	0.3	-0.1
BARROW	39	1	0.7	-0.3	MD BALTIMORE	72	-3	2.2	-2.4	MEDFORD	76	4	T	-0.4
FAIRBANKS	56	0	0.6	-1.3	SALISBURY	72	-3	7.0	1.2	PENDLETON	73	1	0.4	-0.1
JUNEAU	56	1	5.0	0.0	MA BOSTON	70	-2	4.2	0.6	PORTLAND	70	3	0.5	-0.6
KODIAK	54	-1	6.0	1.1	CHATHAM	67	-1	8.7	4.6	SALEM	68	2	0.4	-0.4
NOME	48	-1	3.9	0.8	MI ALPENA	62	-3	2.6	-0.5	PA ALLENTOWN	69	-3	4.1	-0.4
AZ FLAGSTAFF	64	0	5.8	3.2	DETROIT	67	-4	2.5	-0.7	ERIE	68	-1	4.1	0.1
PHOENIX	92	2	1.3	0.3	FLINT	65	-4	3.5	0.1	HARRISBURG	71	-3	1.4	-1.8
PRESOTT	73	0	7.9	5.3	GRAND RAPIDS	65	-5	3.4	0.2	PHILADELPHIA	74	-2	2.0	-2.1
TUCSON	85	1	4.6	2.4	HOUGHTON LAKE	62	-3	3.4	0.5	PITTSBURGH	68	-3	4.8	1.5
WINSLOW	73	-3	2.6	1.2	LANSING	64	-5	2.8	-0.3	SCRANTON	68	-2	2.1	-1.3
YUMA	94	1	0.3	-0.1	MARQUETTE	59	-3	3.3	0.0	WILLIAMSPORT	69	-2	2.5	-0.8
AR FORT SMITH	76	-5	2.3	-0.6	MUSKEGON	65	-5	2.0	-1.1	RI PROVIDENCE	70	-1	6.1	2.0
LITTLE ROCK	76	-5	4.0	0.9	SAULT ST. MARIE	60	-3	3.3	-0.2	SC CHARLESTON	81	1	9.6	3.1
CA BAKERSFIELD	84	2	0.0	0.0	PADUCAH	74	-3	3.5	-0.3	COLUMBIA	79	-2	9.6	4.0
BISHOP	76	1	0.1	0.0	MN ALEXANDRIA	65	-3	1.2	-2.4	FLORENCE	78	-1	13.1	8.4
EUREKA	59	2	T	-0.4	DULUTH	60	-3	4.1	0.0	GREENVILLE	74	-4	5.5	1.5
FRESNO	83	4	T	0.0	INT'L FALLS	60	-3	5.5	2.6	SD ABERDEEN	64	-6	1.6	-0.4
LOS ANGELES	73	2	0.0	-0.1	MINNEAPOLIS	66	-5	4.5	0.9	HURON	66	-6	2.8	0.8
REDDING	82	0	T	-0.5	ROCHESTER	63	-5	1.5	-2.1	RAPID CITY	66	-5	0.5	-1.0
SACRAMENTO	77	2	0.0	-0.1	ST. CLOUD	63	-4	1.5	-2.8	SIoux FALLS	66	-6	5.3	2.2
SAN DIEGO	75	3	0.1	0.0	MS GREENWOOD	78	-3	7.0	4.3	TN BRISTOL	71	-3	2.4	-0.8
SAN FRANCISCO	64	1	0.1	0.1	JACKSON	78	-3	8.3	4.8	CHATTANOOGA	74	-5	3.1	-0.3
STOCKTON	79	1	T	-0.1	MERIDIAN	79	-2	10.3	6.9	KNOXVILLE	74	-4	4.2	1.2
CO ALAMOSA	61	-1	1.9	0.9	TOPEKA	76	-4	4.5	1.7	MEMPHIS	77	-4	2.5	-1.2
CO. SPRINGS	67	-2	3.4	0.8	MO CAFE GIRARDEAU	74	-	2.0	-1.5	NASHVILLE	75	-4	3.2	-0.1
DENVER	68	-3	2.3	0.8	COLUMBIA	70	-6	1.6	-1.6	TX ABILENE	78	-5	2.0	-0.5
GRAND JUNCTION	75	0	0.8	0.0	KANSAS CITY	71	-8	2.4	-1.4	AMARILLO	74	-4	2.3	-0.7
PUEBLO	71	-4	2.5	0.6	SAINT LOUIS	73	-4	3.4	0.9	AUSTIN	82	-3	2.0	-0.3
CT BRIDGEPORT	70	-2	8.4	4.7	SPRINGFIELD	71	-6	3.9	1.0	BEAUMONT	81	-2	2.3	-3.4
HARTFORD	69	-2	3.6	-0.4	MT BILLINGS	67	-3	0.3	-0.7	BROWNSVILLE	84	0	3.7	0.9
DC WASHINGTON	74	-4	2.5	-1.9	GLASGOW	66	-3	0.9	-0.4	CORPUS CHRISTI	83	-1	3.4	-0.2
FL APALACHICOLA	81	0	13.7	6.2	GREAT FALLS	63	-4	1.4	0.1	DEL RIO	83	-2	1.2	-0.4
DAYTONA BEACH	81	0	8.9	2.5	HAVRE	64	-5	1.7	0.4	EL PASO	81	1	2.1	0.9
FT. MYERS	83	0	7.3	-1.3	HELENA	65	-1	1.0	-0.2	FORT WORTH	80	-5	2.1	0.1
JACKSONVILLE	82	0	10.8	2.9	KALISPELL	63	-1	0.7	-0.7	GALVESTON	82	-1	1.4	-2.9
KEY WEST	85	1	3.8	-0.9	MILES CITY	68	-4	1.7	0.4	HOUSTON	80	-3	2.8	-1.2
MIAMI	84	2	7.2	0.2	MISSOULA	66	1	0.6	-0.3	LAREDO	88	-1	0.7	-2.0
ORLANDO	82	0	8.0	1.5	NE GRAND ISLAND	69	-6	5.2	2.6	LUBBOCK	76	-1	1.6	-0.6
TALLAHASSEE	80	-1	6.8	-0.5	LINCOLN	70	-5	2.1	-1.4	MIDLAND	77	-4	2.8	1.2
TAMPA	82	0	8.2	0.6	NORFOLK	68	-6	5.1	2.4	SAN ANGELO	79	-4	1.8	0.0
WEST PALM BEACH	82	-1	6.1	0.4	NORTH PLATTE	67	-6	6.3	4.4	SAN ANTONIO	82	-2	2.6	-0.1
GA ATHENS	77	-2	6.2	2.6	OMAHA	69	-6	1.9	-2.2	VICTORIA	83	-1	1.6	-1.7
ATLANTA	76	-2	5.0	1.6	SCOTTSDUFF	67	-4	1.6	0.7	WACO	82	-4	0.5	-1.4
AUGUSTA	79	-1	5.7	1.8	VALENTINE	66	-6	4.4	2.0	WICHITA FALLS	79	-6	1.9	-0.3
MACON	79	-2	6.3	2.7	NV ELKO	67	0	0.2	-0.4	UT BLANDING	--	-	1.3	-0.1
SAVANNAH	81	0	7.7	1.0	ELY	66	1	1.7	1.1	CEDAR CITY	72	0	2.8	1.6
HI HILO	77	1	13.6	3.6	LAS VEGAS	91	3	0.2	-0.3	SALT LAKE CITY	77	2	0.4	-0.6
HONOLULU	82	2	1.0	0.4	RENO	73	6	0.3	0.0	VT BURLINGTON	68	0	1.9	-2.0
KAHULUI	80	1	0.2	-0.2	WINNEMUCCA	72	3	0.1	-0.3	VA LYNCHBURG	73	-2	1.5	-2.2
LIHUE	80	1	2.4	0.6	NH CONCORD	67	0	2.1	-1.1	NORFOLK	76	-2	14.3	9.0
ID BOISE	74	2	T	-0.4	NJ ATLANTIC CITY	71	-3	6.6	1.9	RICHMOND	74	-3	6.4	1.4
LEWISTON	73	1	1.4	0.6	NM ALBUQUERQUE	75	-1	2.2	0.7	ROANOKE	72	-3	2.4	-1.5
POCATELLO	70	1	0.4	-0.2	CLOVIS	74	-2	4.4	1.9	WA COLVILLE	66	-1	0.4	-0.8
IL CAIRO	--	-	0.9	-3.1	ROSWELL	78	0	1.6	-0.5	QUILLAYUTE	61	2	1.8	-1.1
CHICAGO	67	-5	3.6	0.0	NY ALBANY	67	-2	2.0	-1.3	SEATTLE-TACOMA	67	3	0.7	-0.6
MOLINE	67	-5	1.7	-2.0	BINGHAMTON	64	-3	2.9	-0.5	SPOKANE	70	2	0.3	-0.4
PEORIA	69	-4	0.2	-3.1	BUFFALO	66	-3	3.8	-0.4	WALLA WALLA	75	1	2.3	1.6
QUINCY	69	-6	0.2	-3.7	NEW YORK	74	-2	4.1	-0.2	YAKIMA	70	1	0.2	-0.1
ROCKFORD	66	-6	2.4	-1.3	ROCHESTER	66	-3	4.4	1.2	WV BECKLEY	68	-1	4.0	0.3
SPRINGFIELD	71	-3	0.5	-3.0	SYRACUSE	67	-2	2.6	-1.1	CHARLESTON	71	-3	4.4	0.3
IN EVANSVILLE	73	-3	4.4	1.3	ASHVILLE	70	-3	7.6	3.3	ELKINS	66	-2	2.5	-1.7
FORT WAYNE	68	-4	3.8	0.5	CHARLOTTE	76	-2	3.5	-0.3	HUNTINGTON	71	-3	2.5	-1.3
INDIANAPOLIS	69	-4	1.4	-2.0	GREENSBORO	73	-3	3.0	-1.2	PARKERSBURG	69	-5	2.9	-0.7
SOUTH BEND	67	-4	2.1	-1.8	HATTERAS	78	0	13.9	7.8	GREEN BAY	64	-3	2.1	-1.0
IA DES MOINES	68	-5	1.4	-2.7	NEW BERN	78	-1	12.8	6.4	LACROSSE	67	-4	2.7	-1.0
DUBUQUE	64	-6	1.6	-2.9	RALEIGH	74	-3	7.6	3.2	MADISON	65	-4	2.5	-1.3
SIoux CITY	67	-6	4.6	1.4	WILMINGTON	78	-1	13.6	6.9	MILWAUKEE	67	-2	3.5	0.4
WATERLOO	65	-6	2.8	-0.8	ND BISMARCK	64	-4	1.0	-0.7	WAUSAU	63	-4	3.6	-0.6
KS CONCORDIA	71	-7	2.6	-0.7	FARGO	65	-4	2.4	-0.3	CASPER	68	-1	0.9	0.2
DODGE CITY	72	-6	2.9	0.4	GRAND FORKS	64	-2	2.7	0.1	CHEYENNE	64	-3	1.9	0.5
GOODLAND	69	-5	5.6	3.7	WILLISTON	67	-4	5.0	0.8	LANDER	68	0	0.6	0.1
TOPEKA	72	-5	1.2	-2.4	OH AKRON-CANTON	70	-5	3.2	0.2	SHERIDAN	65	-3	0.6	-0.3
WICHITA	74	-6	1.9	-0.9	CINCINNATI	70	-4	4.6	1.2	PR SAN JUAN	83	1	4.0	-1.9
KY BOWLING GREEN	73	-4	2.2	-1.1	CLEVELAND	68	-3	3.8	0.1					
JACKSON	71	-1	3.2	-0.4	COLUMBUS	69	-3	4.6	1.4					
LEXINGTON	71	-4	4.7	0.8	DAYTON	69	-4	4.5	1.4					
LOUISVILLE	73	-3	4.7	1.4	MANSFIELD	67	-4	2.6	-0.6					
LA BATON ROUGE	80	-1	7.6	2.6	TOLEDO	68	-3	2.4	-0.7					

Based on 1951-80 normals.

August Weather in Historical Perspective

August 1992 was very cool and wet on a national basis (table 1). The nationally averaged temperature of 70.3°F was more than 2°F below the 98-year mean, and the second lowest on record (fig. 1). August precipitation for the contiguous 48 States was the 21st heaviest (78th lightest) since 1895 (fig. 2).

Four of six regions east of the Rockies experienced record or near-record cold during August 1992. The East North Central and Central regions (fig. 3) had a colder August only in 1915, while the Southeast had a colder August only in 1967. The South region had its coldest August on record. In contrast, the West and Northwest regions were warmer than normal, contributing to wildfire spread and development. The West region recorded its 12th warmest

August since 1895, and its warmest since 1987 (fig. 4).

Precipitation varied considerably from normal in only four regions. In the Southwest region, frequent thunderstorms led to isolated flash flooding and the fourth wettest August on record. And in the Southeast region, stalled frontal boundaries fueled a 14th wettest ranking. Meanwhile, the Central and Northeast regions had their 21st and 33rd driest Augusts, respectively.

Figure 5 shows the gradual progression from warmer-than-normal to cooler-than-normal months in the contiguous States during 1992. Six months after a February that was the 3rd warmest on record, temperatures have achieved a complete reversal as compared to normal.

TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR AUGUST 1992, BASED ON THE PERIOD 1895-1992. 1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NORTHEAST	33	21
EAST NORTH CENTRAL	45	2
CENTRAL	21	2
SOUTHEAST	85	2
WEST NORTH CENTRAL	59	8
SOUTH	64	1
SOUTHWEST	95	29
NORThWEST	49	71
WEST	65	87
NATIONAL	78	2

Figure 3

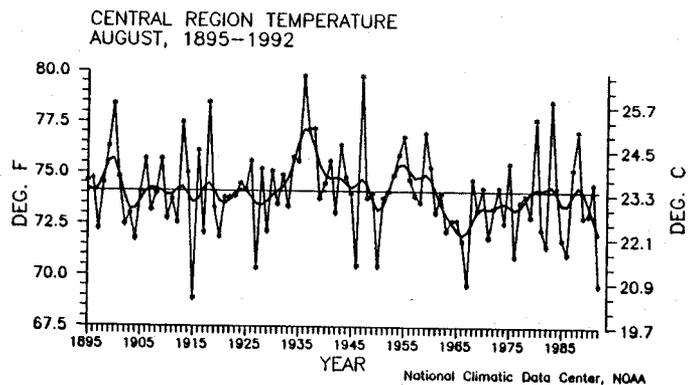


Figure 1

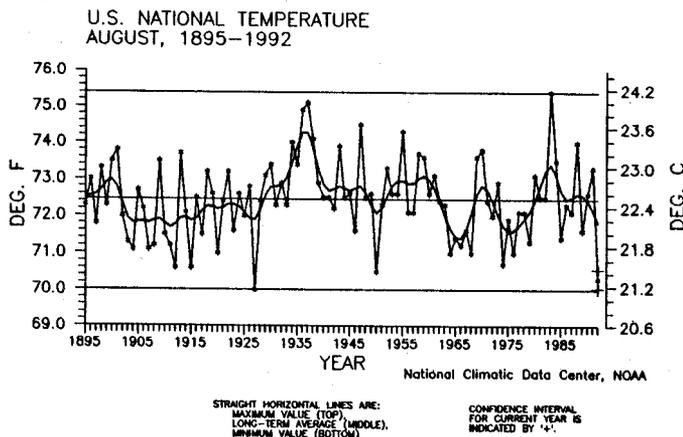


Figure 4

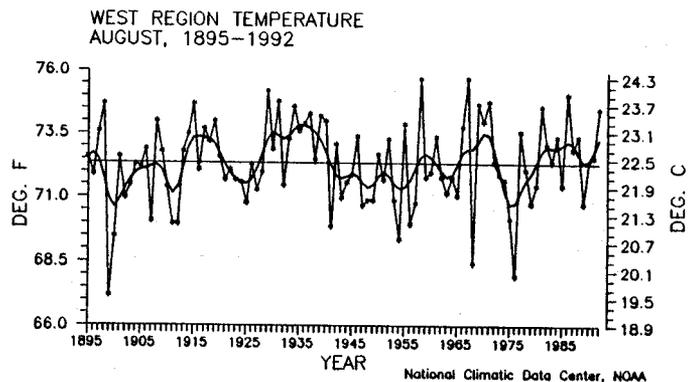


Figure 2

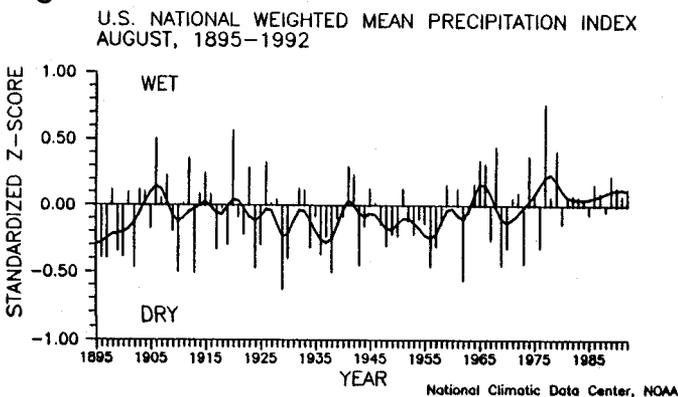
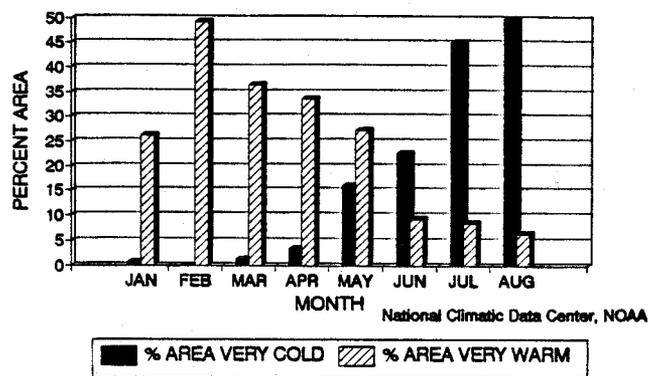


Figure 5

PERCENT AREA U.S. VERY COLD AND WARM JANUARY THROUGH AUGUST, 1992



Summer Weather in Historical Perspective

In the contiguous United States, weather data for the summer of 1992 justifies "year without a summer" claims (table 1). The Nation's summer average temperature was nearly 2°F below normal (fig. 1), and the third coldest on record (behind 1915 and 1903). Summer precipitation was unusually heavy, especially during July, trailing only 1941 and 1915 (fig. 2). A weather pattern such as that observed during the summer of 1992 is rare, but not unprecedented. Similar conditions were observed as recently as 1967 and 1950. And nearly identical conditions prevailed during the summer of 1915.

Summer temperatures were the second lowest on record in the East North Central, Central, and South regions, and well below normal in five other regions. However, one effect of a cold pattern east of the Rockies is often unusual warmth in the Far West. This summer was no exception as the Northwest region notched its

14th warmest summer. But among individual States, only Washington managed warmest-tenth ranking (fig. 3). Meanwhile, 28 States registered a 10th coldest summer, or colder (table 2), including Michigan, which easily registered its coldest summer on record (fig. 4).

After an ominously slow start to the summer rains in major corn and soybean growing areas, timely showers arrived in July to help the crops through reproduction (fig. 5). Elsewhere, summer precipitation was in the wet third of the rankings in all but the East North Central region, which had near-normal rainfall. Ten States (AL, CT, IN, KS, MS, NE, OH, OK, SD, and TN) had one of their ten wettest summers (table 3). No State had a 10th driest summer, or drier, although Wisconsin (12th driest) was close.

The preliminary tornado count for the summer of 1992 was a record 723, more than twice the 1953-1991 average of 296 (fig. 6).

TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR JUN-AUG 1992, BASED ON THE PERIOD 1895-1992. 1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NATIONAL	96	3
NORTHEAST	67	5
EAST NORTH CENTRAL	56	2
CENTRAL	85	2
SOUTHEAST	84	12
WEST NORTH CENTRAL	86	4
SOUTH	91	2
SOUTHWEST	85	14
NORTHWEST	78	85
WEST	76	73

Figure 1

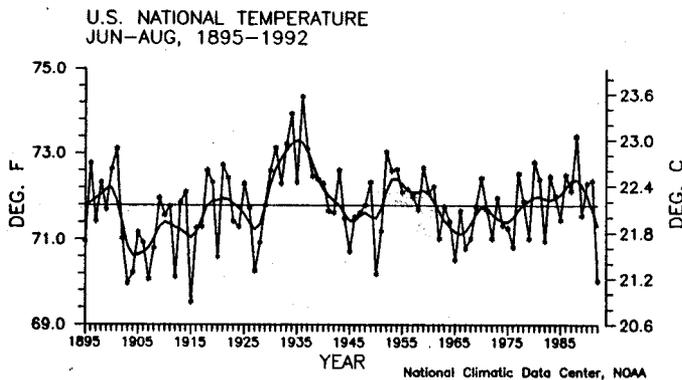


Figure 2

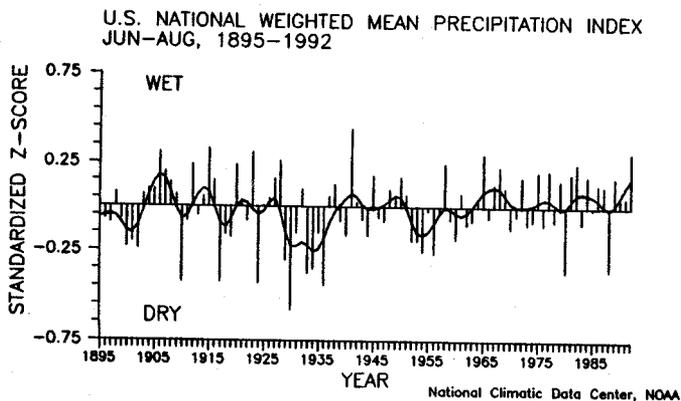


Figure 3

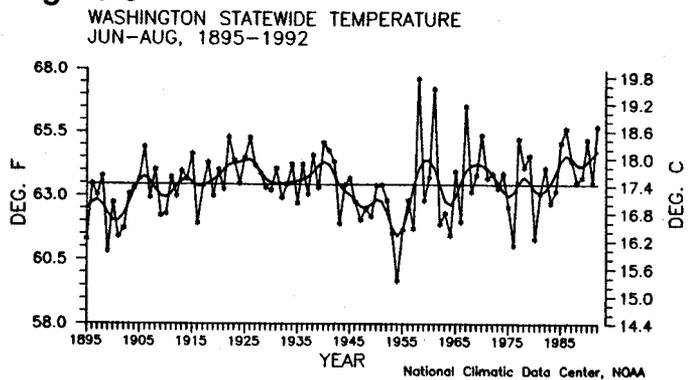


TABLE 2. TEMPERATURE RANKINGS FOR JUN-AUG 1992, BASED ON THE PERIOD 1895 TO 1992. 1 = COLDEST, 98 = WARMEST.

STATE RANK	STATE RANK	STATE RANK	STATE RANK
AL 6	IA 2	NE 2	RI 33
AZ 62	KS 2	NV 64	SC 13
AR 7	KY 7	NH 8	SD 2
CA 77	LA 14	NJ 14	TN 4
CO 10	ME 16	NM 2	TX 12
CT 6	MD 5	NY 3	UT 31
DE 5	MA 4	NC 23	VT 21
FL 84	MI 1	ND 3	VA 10
GA 11	MN 2	OH 3	WA 95
ID 67	MS 8	OK 3	WV 7
IL 3	MO 2	OR 81	WI 2
IN 2	MT 11	PA 8	WY 24

Figure 4

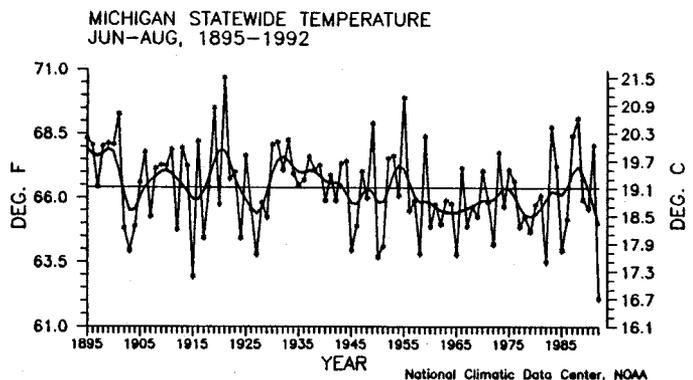
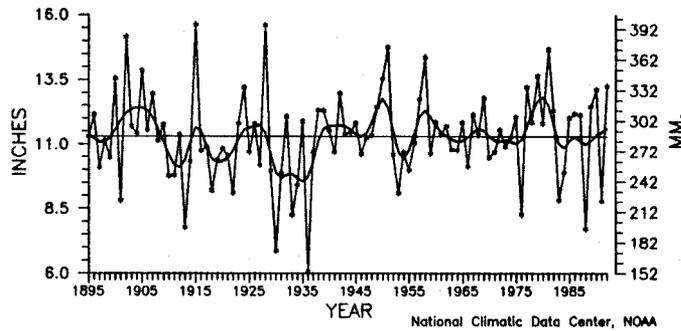


Figure 5

PRIMARY CORN AND SOYBEAN BELT PRECIPITATION
JUN-AUG, 1895-1992

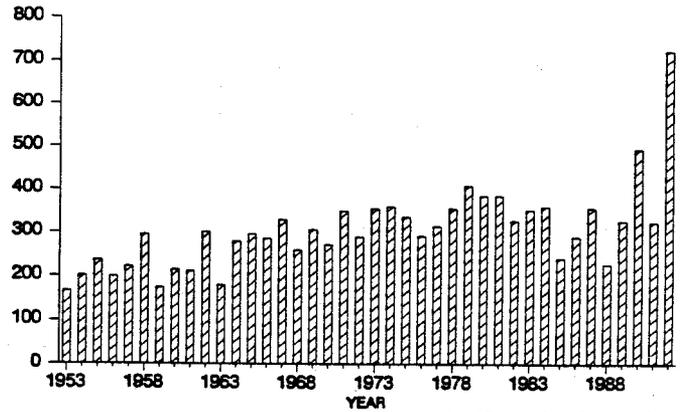


National Climatic Data Center, NOAA

Figure 6

TOTAL NUMBER OF TORNAOES, U.S.

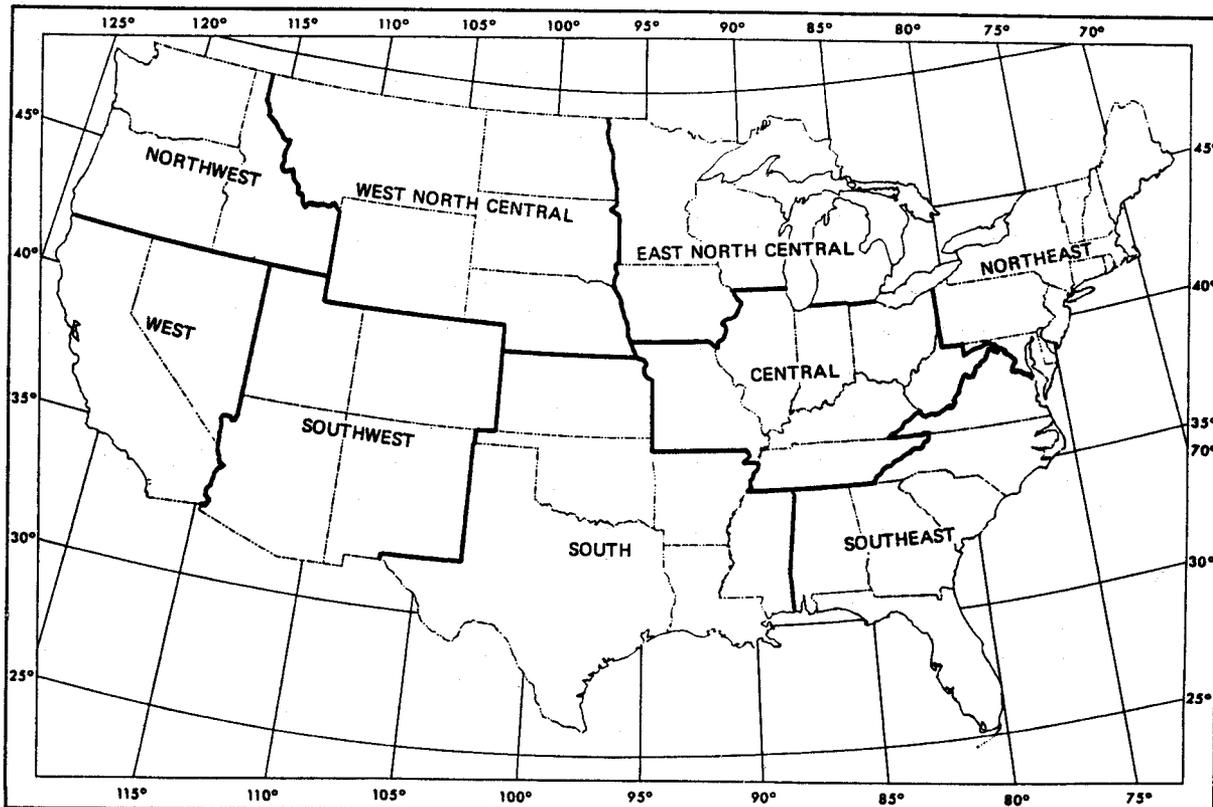
SUMMER (JJA) TOTAL, 1953-1992



National Climatic Data Center, NOAA

TABLE 3. PRECIPITATION RANKINGS FOR JUN-AUG 1992, BASED ON THE PERIOD 1895 TO 1992. 1 = DRIEST, 98 = WETTEST.

STATE	RANK	STATE	RANK	STATE	RANK	STATE	RANK
AL	91	IA	63	NE	92	RI	84
AZ	77	KS	95	NV	71	SC	77
AR	85	KY	85	NH	48	SD	95
CA	77	LA	70	NJ	78	TN	90
CO	85	ME	66	NM	73	TX	58
CT	92	MD	35	NY	77	UT	58
DE	28	MA	86	NC	70	VT	22
FL	74	MI	75	ND	23	VA	43
GA	84	MN	75	OH	95	WA	71
ID	72	MS	95	OK	94	WV	51
IL	31	MO	71	OR	75	WI	12
IN	92	MT	69	PA	57	WY	80



The nine climatically homogeneous regions of the contiguous United States as defined by the National Climatic Data Center (NCDC).

National Agricultural Summary

August 31 - September 6, 1992

HIGHLIGHTS: Below-normal temperatures and scattered showers across the Central and Eastern States perpetuated the weather characteristics that have prevailed this growing season. Crop prospects remained good, though hedged by concern over the vulnerability of late-developing row crops to potential frost.

SMALL GRAINS: Winter wheat harvest was virtually completed in the Pacific Northwest and very near completion in the North Central States. Field preparation and fall seeding was increasing on the heels of small grain harvests. Winter wheat seeding was 7 percent (%) complete in the 19 major producing States, 2 percentage points ahead of last year and equal to the 5-year average. Spring wheat harvest was slowed by rain in Minnesota, but good progress was made in the other major States. Spring wheat harvest remained well behind normal with only 53% harvested, compared with 96% for both last year and the 5-year average. Harvest was nearly complete in Idaho. Harvests of barley and oats continued between rains in the Northern and Central States, with progress advancing slowly toward completion.

CORN: Concerns over the late development of corn in the Corn Belt heightened as weather conditions remained predominately cool and damp. Eighty-two percent of the corn crop was in the dough stage in the 17 major States, compared with 96% last year and 95% average. Forty-five percent of the crop had dented, compared with 84% last year and 79% average. Progress of denting was behind by more than 40 percentage points in the northern Corn Belt States. Eleven percent of the corn crop was mature in the major States, compared with 44% last year and 35% average. Harvest continued, though hampered by rains, in the South. Corn harvest was just beginning in the southern Corn Belt. Crop condition continued to rate mostly good in the major States.

SOYBEANS: Soybean development was becoming increasingly late, as cool weather persisted across the producing regions. Delayed progress was most evident in the northernmost producing States, while crops were advanced in the Delta. Leaves were dropping on 7% of the acreage in the 19 major producing States, compared with 25% last year and 18% average. Crop condition, bolstered by good moisture supplies, remained mostly good for the 19 major States. Harvest was beginning in the middle Mississippi Valley.

COTTON: Cotton progress remained near normal in the 14 major producing States, despite delays in several States. Boll opening was 32% complete, 5 points behind last year and 6 points behind the historic average. Predominately cool, wet weather in the central and eastern producing States continued to hamper development and lower crop condition ratings, with the crop rating mostly fair. Picking was increasing in the Southwest and Texas, and beginning in the Delta.

GRAIN SORGHUM: Below-normal temperatures in the High Plains and Great Plains continued to keep sorghum development behind schedule. Although the crop was behind schedule in Kansas, it remained in good condition for this time of the year. Coloring was 51% complete, compared with 69% last year and the 67% average. The crop was rated 28% mature, compared with 40% last year and 34% average. Harvest continued in the South.

RICE: Rice harvest continued at an increased rate. Limited harvest began in the Sacramento Valley. Harvest was 29% complete in the five major States, compared with 32% last year and 31% average. Harvest was slightly ahead of last year and the average in Arkansas, and behind in Mississippi and Texas. The California harvest was just beginning.

OTHER FIELD CROPS: Tobacco harvest was winding down in the deep South and New England, while harvest was in full swing in North Carolina, Kentucky, and Tennessee. Dry bean harvest continued in Colorado and Washington, and was starting late in Montana, Minnesota, and North Dakota. Safflower and sunflower harvest was active in California. Hay harvest continued but was interrupted by rains from Arizona eastward. Sugar beet harvest was just beginning in North Dakota and was completed in California. Peanut harvest was active, as weather permitted, in the South. Dry weather in the West allowed potato digging to progress, and frost in parts of Oregon aided vine killing.

FRUIT AND NUTS: Lemon harvest continued in California and western Arizona. California's table grape harvest progressed, as did the harvesting of raisin and wine grapes. Almond and walnut harvests continued in California. Pear harvest was finished in Georgia, California, and Idaho. Apple harvest continued in New England and the Pacific Northwest.

VEGETABLES: Vegetable harvest remained active nationwide. Planting of fall vegetables continued in Florida and started in California. Some mildew and blight problems occurred in Ohio. Texas fall vegetables could use additional moisture. Strawberry harvest continued in California, with very good demand. Melon harvest was winding down in Texas and South Carolina. Dry summer onion digging progressed in the West.

PASTURES AND LIVESTOCK: Pasture conditions remained favorable in the Central and Eastern States. Conditions continued to decline in the Northwest and Great Basin, as dry weather again dominated the scene. Movement of livestock off exhausted public range continued in the West.

Crop Progress

for the Week Ending September 6, 1992

COTTON (Bolls Opening)

	Current	Last Wk	1991	Avg.
AL	20	18	31	41
AZ	82	70	56	76
AR	15	10	33	41
CA	75	50	40	49
GA	26	11	38	46
LA	81	60	57	64
MS	45	29	42	61
MO	5	3	41	44
NM	8	3	37	32
NC	26	17	58	44
OK	10	6	6	8
SC	36	12	50	36
TN	11	7	40	39
TX	21	19	33	25
14 States	32	24	37	38

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

GRAIN SORGHUM (Percent Coloring)

	Current	Last Wk	1991	Avg.
AR	96	92	74	84
CO	18	8	36	35
IL	61	57	72	65
KS	30	15	50	50
LA	100	100	86	91
MS	100	96	84	90
MO	74	61	79	72
NE	32	13	82	74
NM	26	14	60	NA
OK	69	67	60	73
SD	22	16	66	71
TX	75	73	85	80
12 States	51	41	69	NA
Excl. States with NA	51	41	69	67

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

GRAIN SORGHUM (Percent Mature)

	Current	Last Wk	1991	Avg.
AR	67	NA	60	57
CO	0	NA	3	7
IL	6	NA	34	27
KS	2	NA	15	10
LA	95	NA	73	75
MS	84	NA	62	67
MO	35	NA	39	34
NE	0	NA	30	19
NM	2	NA	3	NA
OK	11	NA	15	11
SD	0	NA	24	20
TX	67	NA	76	68
12 States	27	NA	40	NA
Excl. States with NA	28	NA	40	34

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

CORN (Percent Dough)

	Current	Last Wk	1991	Avg.
CO	62	47	74	79
GA	100	100	100	100
IL	89	86	100	97
IN	97	87	100	97
IA	81	57	89	96
KS	99	90	100	98
KY	99	99	99	99
MI	25	20	95	80
MN	75	58	96	97
MO	98	94	100	98
NE	93	86	100	99
NC	93	92	100	99
OH	95	85	100	96
PA	69	44	89	76
SD	69	50	100	95
TX	96	93	100	100
WI	46	40	90	84
17 States	82	71	96	95

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

CORN (Percent Dented)

	Current	Last Wk	1991	Avg.
CO	39	14	47	47
GA	100	100	100	100
IL	54	40	96	85
IN	50	34	95	79
IA	44	21	72	82
KS	70	50	80	85
KY	85	82	90	80
MI	4	2	70	50
MN	19	10	75	79
MO	84	69	94	91
NE	55	29	94	85
NC	91	86	96	91
OH	45	25	95	74
PA	25	7	51	36
SD	23	16	89	78
TX	90	87	98	97
WI	11	8	64	60
17 States	45	30	84	79

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

CORN (Percent Mature)

	Current	Last Wk	1991	Avg.
CO	2	NA	7	15
GA	98	NA	99	99
IL	10	NA	73	45
IN	7	NA	53	38
IA	8	NA	38	45
KS	40	NA	65	50
KY	27	NA	53	45
MI	0	NA	10	5
MN	1	NA	22	26
MO	30	NA	59	54
NE	2	NA	37	26
NC	78	NA	87	78
OH	1	NA	17	11
PA	2	NA	11	6
SD	7	NA	49	34
TX	67	NA	71	73
WI	2	NA	24	2
17 States	11	NA	44	35

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

WINTER WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	0	NA	0	0
CA	0	NA	0	0
CO	7	NA	4	12
GA	0	NA	1	1
ID	16	NA	3	4
IL	0	NA	0	0
IN	0	NA	2	1
KS	3	NA	2	3
MI	0	NA	5	1
MO	0	NA	0	0
MT	2	NA	7	7
NE	3	NA	6	9
NC	0	NA	1	0
OH	0	NA	0	0
OK	11	NA	8	9
OR	3	NA	6	1
SD	9	NA	9	15
TX	9	NA	10	10
WA	40	NA	6	20
19 States	7	NA	5	7

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

SOYBEANS (Percent Dropping Leaves)

	Current	Last Wk	1991	Avg.
AL	5	3	3	8
AR	7	5	7	3
GA	5	2	10	12
IL	12	2	34	22
IN	7	4	42	26
IA	4	0	9	17
KS	10	4	35	20
KY	12	8	13	12
LA	18	4	1	6
MI	1	0	20	10
MN	3	1	22	30
MS	14	5	2	9
MO	7	1	10	8
NE	0	0	25	17
NC	4	0	7	3
OH	5	2	70	23
SC	0	0	1	0
SD	12	6	64	45
TN	5	2	6	11
19 States	7	2	25	18

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

RICE (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	13	7	12	10
CA	1	0	0	0
LA	69	58	73	68
MS	11	3	17	17
TX	66	55	85	87
5 States	29	22	32	31

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

SPRING WHEAT (Percent Harvested)

	Current	Last Wk	1991	Avg.
ID	95	93	70	83
MN	31	28	99	99
MT	51	32	88	87
ND	50	35	98	97
SD	87	73	100	100
5 States	53	40	96	96

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

Crop Condition
(Percent)

for the Week Ending September 6, 1992

CORN

State	VP	P	F	G	EX
CO	1	2	16	59	22
GA	0	0	12	55	33
IL	0	0	7	80	13
IN	0	1	18	72	9
IA	0	0	9	73	18
KS	0	5	5	39	51
KY	0	0	7	54	39
MI	5	10	25	40	20
MN	5	12	45	34	4
MO	0	0	16	67	17
NE	1	8	18	49	24
NC	0	3	30	64	3
OH	1	5	20	50	24
PA	1	3	18	52	26
SD	0	4	22	56	18
TX	0	7	12	59	22
WI	2	8	32	56	2
17 State	1	4	18	60	17
Prev Week	1	4	17	61	17
Prev Year	5	12	35	42	6

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	13	61	26
AR	0	0	26	52	22
GA	0	0	6	90	4
IL	0	0	18	74	8
IN	0	1	23	70	6
IA	0	0	13	75	12
KS	0	0	10	57	33
KY	0	0	13	72	15
LA	1	11	46	42	0
MI	2	8	25	45	20
MN	2	20	46	31	1
MS	0	0	40	60	0
MO	0	2	27	66	5
NE	0	2	7	65	26
NC	0	0	28	69	3
OH	2	7	30	45	16
SC	0	0	43	57	0
SD	0	1	28	51	20
TN	0	0	8	80	12
19 State	0	3	24	62	11
Prev Week	1	4	24	60	11
Prev Year	3	11	44	39	3

COTTON

State	VP	P	F	G	EX
AL	0	0	20	78	2
AZ	0	0	30	55	15
AR	0	6	54	40	0
CA	0	0	0	65	35
GA	0	0	31	66	3
LA	0	5	39	56	0
MS	0	12	53	35	0
MO	0	0	40	50	10
NM	0	9	50	41	0
NC	0	5	43	46	6
OK	31	6	17	46	0
SC	0	0	86	14	0
TN	0	0	30	66	4
TX	8	4	67	20	1
14 State	5	4	50	37	4
Prev Week	5	11	40	39	5
Prev Year	0	2	34	60	4

GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	11	68	21
CO	0	5	22	59	14
IL	0	2	25	68	5
KS	0	7	21	45	27
LA	2	13	37	48	0
MS	0	2	41	57	0
MO	0	0	15	68	17
NE	0	3	14	63	20
NM	0	0	20	77	3
OK	0	0	14	80	6
SD	0	9	28	50	13
TX	1	5	20	64	10
12 State	0	5	20	58	17
Prev Week	0	3	21	60	16
Prev Year	6	18	34	37	5

RICE

State	VP	P	F	G	EX
AR	0	0	20	80	0
CA	0	0	5	75	20
LA	1	9	63	27	0
MS	0	0	56	44	0
TX	0	0	31	66	3
5 State	0	1	42	55	2
Prev Week	0	1	45	52	2
Prev Year	0	0	24	76	0

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 0.69 to 4.68 in. north, 0.62 to 3.77 in. central, 0.17 to 4.26 south. Temperatures 1 to 3° below normal State wide; Lows 55 to 65° north; 57 to 63° central; 59 to 67° south. Highs 82 to 89° north; 86 to 92° central; 90 to 92° south.

Days suitable for fieldwork 4.1. Soil moisture 3% short, 58% adequate, 39% surplus. Scattered showers delayed harvest of hay, corn, sorghum, peanut digging, combining. Cool, cloudy weather hampered cotton development. Corn 94% mature, 93% 1991, 94% avg.; 37% harvested, 58% 1991, 55% avg.; 10% fair, 43% good, 47% excellent. Sorghum 14% harvested, 20% 1991, 30% avg.; 12% fair, 71% good, 17% excellent. Peanuts 9% dug, 20% 1991, 15% avg.; 4% combined, 12% 1991, 7% avg.; 10% fair, 89% good, 1% excellent. Pasture 4% fair, 61% good, 35% excellent. Livestock 1% fair, 84% good, 15% excellent. Primary activities: Scouting fields for insects, diseases; applying fungicides, herbicides, insecticides to peanuts, cotton; harvesting vegetables, hay, corn, sorghum, peanuts where dry enough; plowing fields for small grain seeding; marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

ALASKA: Cooler temperatures, rainy in the southern regions, generally dry, elsewhere. Highs 8° below normal to 4° above normal. Lows 5° below normal to 2° above normal. Seasonal precipitation 2.54 in. drier than normal at PMC-Butte to 1.09 in. wetter than normal at Anchorage.

Days suitable for hay/grain 1.0. Potato digging 5.0. Topsoil 7% short, 90% adequate, 3% surplus. Subsoil 6% short, 92% adequate, 2% surplus. Barley ripe, 35% swathed, 40% harvested. Oats, ripe. Second crop hay 25% complete. Commercial potato harvest 15% complete.

ARIZONA: Thunderstorms, 30th, north; 31st, northeast; clear, drier air, statewide, 1st thru 5th; cooler temperatures, 4th to 5th. Precipitation 30th, 31st, north, 0.30 to 1.14 in.; temperatures normal to 7° below normal. Extremes 33°; 94° higher elevations; 52°; 104° deserts.

Cotton bolls opening 82%, 56% 1991, 76% avg.; harvested 6%, 0%, 1% avg.; 30% fair, 55% good, 15% excellent; insects moderate to severe, central, severe, west; light, east; weeds light to moderate; heavy rain, east, boll rot, plant damage. Activities included insect monitoring, pesticide applications, irrigating, statewide; defoliating, west, central; harvesting, west, central. Alfalfa good; weeds, insects light to moderate; harvest, moderate, rain damage moderate to severe, east. Lemon harvest, west. Cantaloupes, watermelons, honeydews, bell peppers, green onions harvested, central. Apples, cabbage, squash, garlic, corn harvested, east. Chili peppers harvested central, east.

ARKANSAS: Temperatures below normal, scattered showers, thunderstorms mid week, heaviest southwest. Extremes 54°; 93°. Rainfall 0.04 to 4.06 in.

Days suitable for fieldwork 6. Soil moisture 32% short, 63% adequate, 5% surplus. Main farming activities: Scouting cotton, applying insecticides to cotton, applying herbicide to soybeans, draining rice fields, harvesting milo,

corn, rice, hay, pasture weed control, fall forage planting, working cattle, harvesting apples. Cloudy, cool days continued to hamper progress on cotton, rice crops. Rice harvest continued at an increased rate. Yields reported mostly good. First cotton bale picked 31st with weight of 485 pounds. Cotton Boll weevil activity remained high in southeast, east central. Sunny, warmer days needed for cotton maturity. Soybean disease pressure increased in east central. Sudden death syndrome reported in east central. Soybeans harvested 2% 1991, 0% avg. Sorghum harvested 33%, 27% 1991, 30% avg. Yields reported excellent with some fields yielding 120 bushels per acre. Corn 2% fair, 52% good, 46% excellent. Corn harvest slowed by showers. Yields reported excellent. Corn harvested 47%, 60% 1991, 59% avg. Livestock good. Flies a problem in west central. Pastures mostly good. Pastures were supplying average forage for herds. Hay harvest continued.

CALIFORNIA: Weak low pressure trough brought near seasonal temperatures to State. Showers, thunderstorms developed northern mountains, Sierra Nevada midweek, generally light amounts precipitation. Light offshore winds brought clear skies to coast.

Good progress field activities, open weather. Cotton development excellent. Harvest full swing desert areas. Defoliation underway San Joaquin Valley. Rice fields drained many areas. Limited harvest began Sacramento Valley. Blackbird damage some fields. Alfalfa green chopped, treated worms. Next years sugarbeets planted. Alfalfa seed, dry beans, grain corn, silage corn, safflower, sugarbeets, sunflowers harvested. Field preparation fall seeded small grains gained momentum. Alfalfa hay harvest normal. Peach, nectarine harvest virtually complete. Plum harvest, 96% complete. Northern areas post harvest irrigation, prune, peach orchards. Growers continued harvest grapes/raisin, juice, wine, table grape. Fresno 30% raisin grapes rolled; some picked up, boxed. Almond harvest progressed. Walnut harvest continued Fresno; began Tulare. Asian pears, Red Crimson pears, Granny Smith, Gala apples, Foothill pomegranates harvested, packed. Fig harvest winding down. Western half Riverside County harvest grapefruits, avocados. Desert lemon harvest continued. Valencia orange harvest slowed down. Tulare Navel oranges signs sunburn. Strawberry harvest continued very good demand central coast. Fall harvest began Sanger district; ground preparation began next seasons crop south district. Broccoli moderate, variable quality central coast. Winter cabbage fields being planted south district; germination occurred some desert area fields. Cauliflower fairly light Salinas-Watsonville, moderate Santa Maria, variable quality. Carrot harvest fairly light central district. Celery moderate, good quality central coast. Iceberg lettuce central coast moderate, variable quality. Field preparation occurring for fall crop Blythe area. Leaf, Romaine lettuce moderate, variable quality Salinas-Watsonville. Cantaloupe, honeydew, watermelon, mixed melon harvests continued Statewide. Summer onion digging advanced central, southern districts. Summer potato harvest on going Delta, south districts. Sweet potato harvest active central valley. Pumpkin vines blooming, setting fruit. Processing

tomato harvest winding down. Fall fresh market tomatoes progressing well central, south districts. Other vegetables harvested: Beans, cucumbers, garlic for processing, peppers, various oriental vegetables. Range, pasture good to very poor, mostly poor to very poor. Scattered showers did little to improve quality. Supplemental feeding increased. Livestock good, moderate movement from summer pastures. Water, feed supplies below normal. Sheep grazed wheat stubble.

COLORADO: Showers on 31st to 1st with up to 1.00 in. of precipitation. Cool, dry mid week with warm, dry conditions 5th to 6th. Temperatures 2 to 5° below normal in most areas.

Days suitable for fieldwork 5.2. Soil moisture 1% very short, 10% short, 74% adequate, 15% surplus. Alfalfa 3rd cutting 30%, 28% 1991, 33% avg. Barley harvested 76%, 61% 1991, 79% avg. Oats harvested 73%, 74% 1991, 71% avg. Spring wheat harvested 39%, 38% 1991, 44% avg. Sorghum turning color 18%, 36% 1991, 35% avg. Dry beans cut 22%, 18% 1991, 18% avg.; harvested 3%. Dry bean 4% poor, 28% fair, 59% good, 9% excellent. Summer potatoes harvested 61%, 50% 1991, 49% avg. Fall potatoes 5% harvested, ahead of both last year and average. Dry onion harvest 37% complete, 34% 1991, 32% avg. Corn dent stage 39%, 47% 1991, 47% avg.; mature stage 2%, 7% 1991, 15% avg.; harvested 5%, 14% 1991, 9% avg.; 1% very poor, 2% poor, 16% fair, 59% good, 22% excellent. Winter wheat seeding 7%, 4% 1991, 12% avg. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures 1 to 3° below normal north, 1 to 2° above normal central, south. Highs low 90s. Lows: low 60s Panhandle, Big Bend, upper 60s northeast, central, low 70s south. Rainfall: 0.50 in. to 2.00 in. many areas, over 4.00 in. isolated spots, under 0.50 in. extreme south.

Soil moisture mostly adequate to surplus throughout the State. Corn harvesting, haymaking active. Peanut harvesting gaining momentum. Cotton, soybeans, sugarcane making good progress. Rain most citrus areas, moisture adequate to surplus. Some wet groves having droppage problems. Fruit sizes good, fruit testing continues for early shipments. Caretakers cutting cover crops, fertilizing, spraying, planting new trees. Crop conditions good all major vegetable growing areas. Soil moisture adequate. Ground preparation, planting active central, coasts. Most Homestead area growers cleaning up after hurricane. Planting snap beans, carrots, celery, sweet corn, cucumbers, radishes. Planting staking, tying of eggplant, peppers, tomatoes. Cherry tomato planting almost complete. Sweet corn, squash approaching harvest in north. State's pastures fair to excellent. Pasture ratings, 10% fair, 60% good, 30% excellent. Moisture levels mostly adequate to surplus. State's cattle herds good to excellent.

GEORGIA: Wet week. Many stations 1.00 to 3.00 in., local totals 5.00+ in. Rain 2 to 4 days. Temperatures 1 to 2° of normal. Warmest mid 80s Mountains upper 80s to low 90s central, south. Coolest 60s, mid to upper 50s mountains to near 70° southeast. Extremes 55°; 94° Blairsville.

Days suitable for fieldwork 5.0. Soil moisture 1% very short, 10% short, 75% adequate, 14% surplus. Corn 54% harvested for grain, 74% 1991, 74% avg.; accelerated harvest pace. Cotton 0% harvested, 0% 1991, 4% avg.; insect control active. Sorghum 13% fair, 86% good, 1% excellent; 17% harvested for grain, 36% 1991,

28% avg. Peanuts 19% fair, 79% good, 2% excellent; 5% dug, 21% 1991, 19% avg.; 1% threshed, 13% 1991, 9% avg.; showers, wet fields slowing harvest, disease problems continue. Soybeans 100% blooming, 100% 1991, 99% avg.; 93% setting pods, 97% 1991, 95% avg.; light insect infestations. Tobacco 98% harvested, 100% 1991, 97% avg. Small grain seedings off to a slow start. Vegetables 2% poor, 60% fair, 37% good, 1% excellent. Apples 1% poor, 24% fair, 75% good; 36% harvested, 50% 1991, 49% avg. Peach harvest virtually complete. Pecans 14% very poor, 3% poor, 74% fair, 9% good; some spraying schedules discontinued due to poor prospects. Hay, pastures good, showers slowing hay harvest. Cattle, hogs good. Other activities: Harvesting silage crops, seeding hay crops, pastures, planting fall vegetables, routine care of livestock, poultry.

HAWAII: Heavy rains swept across the State during latter part of the week, leaving mixed effects on agriculture. High pressure system northeast of islands brought thunderstorms, showers at midweek. Temperatures high 60s to high 80s. Rainfall 0.10 to 13.80 in.

Days suitable for fieldwork 7.0. Farming schedules were delayed by muddy, wet field conditions. Most plantings benefited, however some reports excessive rainfall hampered plant growth. Banana harvesting active. Papaya production seasonally declining. Sweet corn picking heavy for Labor Day weekend. Watermelon crop poor, supplies lowered by heavy whitefly infestation.

IDAHO: Temperatures 0 to 4° below normal throughout the State. Precipitation was mostly concentrated in the south central to east regions of the State.

Days suitable for fieldwork 7. Soil moisture 37% very short, 31% short, 32% adequate. Winter wheat harvested 99%, 89% 1991, 95% avg. Spring barley harvested 96%, 74% 1991, 84% avg. Oats harvested 90%, 70% 1991, 76% avg. Potatoes 97% turning, 88% vines dying/killed, 7% harvested. Potato good. Second cutting alfalfa 98%, 93% 1991, 96% avg.; third cutting 58%, 18% 1991, 28% avg. Dry bean harvest 38%, 22% 1991, 22% avg. Onion harvest 49%, 25% 1991, 26% avg. Field corn for silage 15% harvested. Sweet corn for processing 66% harvested. Peach harvest 99%, 91% 1991, 86% avg. Plum, prune harvest 99%, 80% 1991, 69% avg. Apples harvest 13%, 4% 1991, 3% avg. Hops harvest 60%, 46% 1991, 33% avg. Irrigation water supplies 35% very poor, 29% poor, 14% fair, 22% good. Activities: 2nd to 3rd cuttings of alfalfa, harvesting of small grains, mint, onions, potatoes. Lamb shipping, cattle moving off ranges. Pasture, range 51% of normal. Livestock fair to good.

ILLINOIS: Warm front pushed northeast across State around midweek followed by a cold front 3rd. Temperatures low 60s to the high 70s. Precipitation 0.10 to 1.50 in. over most of the State last week.

Days suitable for fieldwork 5.5. Soil moisture 32% short, 68% adequate. Soybeans turning yellow 37%, 72% 1991, 48% avg.; harvested less than 1%, 3% 1991, 2% avg. Corn harvested 1%, 8% 1991, 3% avg. Alfalfa third cutting 77%, 79% 1991, 79% avg. Pasture 82% of normal.

INDIANA: Temperatures 1 to 2° above normal in the north, up to 6° in the south. Highs mid 70s to around 80. Lows mid to upper 50s north to upper 50s to mid 60s south. Precipitation 0.15 to 1.50 in. much of State, except for less than 0.10 in parts of northwest, southeast.

Days suitable for fieldwork 5.3. Topsoil 15% short, 80% adequate, 5% surplus. Subsoil 20%

short, 77% adequate, 3% surplus. Alfalfa third cutting 59%, 75% 1991, 63% avg. Tobacco harvest 54%. Pasture 91%, 90% last week, 44% 1991. Soybeans turning color 26%, 73% 1991, 48% avg.

IOWA: Temperatures near normal. Extremes 44°; 85°. Rainfall 0.32 to 5.32 in.; average 1.69.

Days suitable for fieldwork 4.8. Topsoil 3% short, 90% adequate, 7% surplus. Subsoil 2% short, 94% adequate, 4% surplus. Pasture 14% fair, 63% good, 23% excellent. Corn in dough stage 81%, 89% 1991, 96% avg.; dent stage 44%, 72% 1991, 82% avg. Soybeans dropping leaves 4%, 9% 1991, 17% avg. Third cutting alfalfa 62% harvested, 76% 1991, 83% avg. Second cutting clover 95% harvested, 100% 1991, 100% avg. Rain, mud made livestock movement difficult. Some respiratory problems among livestock due to variable temperatures.

KANSAS: Temperatures normal to 3° below normal. Rainfall recorded all areas; moderate amounts north; light to very light elsewhere.

Days suitable for fieldwork 5.5. Surface moisture 24% short, 73% adequate, 3% surplus. Subsurface moisture 5% short, 92% adequate, 3% surplus. Near normal temperatures allowed crops to make modest progress. Short season and/or high moisture corn harvest started southern areas. Wheat seeding started south, western areas little or no emergence. Sorghum, soybean progress still behind normal, condition exceptionally good for time of year. Range, pastures generally excellent, furnishing adequate to excellent forage. Hay harvest continues; fourth cutting alfalfa well underway.

KENTUCKY: Temperatures near normal. Highs low to mid 80s, lows 60s. Rainfall scattered, generally 0.25 to 1.00 in.

Days suitable for fieldwork 4.3. Soil moisture 1% very short, 8% short, 81% adequate, 10% surplus. Corn mostly good to excellent. Harvest beginning south. Yields good. Burley cutting 62% complete. Some houseburn, labor limited many areas, some barn space shortages. Dark tobacco 70% cut. Soybeans mostly good. Hay crops mostly good. Need warm dry conditions for corn maturity, soybean pod filling, tobacco curing.

LOUISIANA: Temperatures 3.9 to 1.1° below normal. Extremes 55°; 94°. Rainfall 0.11 in. east central to 2.08 in. northwest.

Days suitable for fieldwork 3.0. Soil moisture 5% short, 41% adequate, 54% surplus. Corn 79% harvested, 91% 1991, 82% avg. Cotton 0% harvested, 0% 1991, 3% avg. Scouting for insects, spraying active in cotton. Spraying of defoliants beginning. Hay 77% second cutting, 45% 1991, 53% avg. Rice 99% headed, 95% 1991, 98% avg.; 88% ripe, 77% 1991, 79% avg. Fertilizing, flooding second crop continued, southwest. Sorghum 65% harvested, 46% 1991, 51% avg. Soybeans 97% setting pods, 81% 1991, 90% avg; 40% leaves turning color, 4% 1991, 20% avg. Sugarcane 14% very poor, 21% poor, 38% fair, 20% good, 7% excellent; 15% planted, 32% 1991, 30% avg. Planting slow due to bowed stalks. Sweet potatoes 3% poor, 28% fair, 69% good; 24% harvested, 29% 1991, 34% avg. Livestock 3% poor, 29% fair, 63% good, 5% excellent. Pastures 6% poor, 1% fair, 90% good, 3% excellent. Vegetables 12% very poor, 31% poor, 41% fair, 16% good.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.52 in. Temperature 70.8°, normal 71.6°. Extremes 43°; 89°.

Days suitable for fieldwork 4.5. Topsoil 83% adequate, 17% surplus. Subsoil 6% short, 83%

adequate, 11% surplus. Corn good; dough stage 77%, 98% 1991, 94% avg.; 49% dent, 89% 1991, 79% avg.; 8% mature, 53% 1991, 33% avg. Grain harvest beginning, silage harvested 9%, 64% 1991, 39% avg. Soybeans fair to mostly good; 74% setting pods, 95% 1991, 84% avg.; 4% turned, 17% 1991, 11% avg. Tobacco good; 48% harvested, 68% 1991, 58% avg. Pastures excellent. Alfalfa third cutting 87%, other hay third cutting 37%. Fruit harvested: peaches 84%; apples 16%. Vegetable harvest active. Few acres small grains seeded.

DELAWARE: Precipitation 0.48 in. Temperature 70.0°, normal 72.3°. Extremes 52°; 91°.

Days suitable for fieldwork 5.3. Topsoil 17% short, 66% adequate, 17% surplus. Subsoil 17% short, 83% adequate. Soybeans mostly good; 69% setting pods, 92% 1991, 84% avg. Corn mostly fair to good; 89% dough stage, 100% 1991, 89% avg.; 68% dent, 98% 1991, 88% avg. Sorghum 11% turned. Alfalfa third cutting 96%, fourth cutting 20%; other hay third cutting 60%, supplies mostly adequate. Peaches picked 90%; apples 16%. Vegetable, melon harvest nearing end. Pastures mostly excellent.

MICHIGAN: Temperatures 2 to 5° below normal. Extremes 39°; 83°. Precipitation 0.02 to 1.62 in. across the State.

Days suitable for fieldwork 5.5. Soil moisture 10% short, 80% adequate, 10% surplus. Hay 90% second cutting, 100% 1991, 96% avg.; 40% third cutting, 60% 1991, 45% avg.; 3% very poor, 12% poor, 30% fair, 40% good, 15% excellent. Oats 100% ripe, 100% 1991, 100% avg.; 75% harvested, 100% 1991, 99% avg.; 2% very poor, 8% poor, 30% fair, 45% good, 15% excellent. Dry beans 90% setting pods, 100% 1991, 96% avg.; 5% very poor, 10% poor, 35% fair, 40% good, 10% excellent. Potatoes 45% harvested, 35% 1991, 35% avg. Pasture 80% of normal. Major activities: Preparing for harvest, haying when possible, harvesting fruit, vegetables.

MINNESOTA: Temperatures near normal to 5° below normal. Extremes 33°; 86°. Precipitation 0.87 to 1.76 in., 0.21 to 1.06 in. above normal. Greatest weekly total was 2.82 in.

Days suitable for fieldwork 3.3. Topsoil 9% short, 58% adequate, 33% surplus. Spring wheat 47% cut/swathed, 99% 1991, 99% avg.; 31% combined, 99% 1991, 99% avg. Oats 97% cut/swathed, 99% 1991, 99% avg.; 87% combined, 99% 1991, 99% avg. Barley 76% cut/swathed, 99% 1991, 99% avg.; 56% combined, 99% 1991, 99% avg. Corn 75% in dough, 96% 1991, 97% avg.; 19% dent, 75% 1991, 79% avg.; 1% mature, 22% 1991, 26% avg.; 2% silage cut, 15% 1991, 17% avg. Soybeans 14% turning yellow, 60% 1991, 68% avg.; 3% dropping leaves, 22% 1991, 30% avg. Potatoes 16% harvested, 20% 1991, 19% avg. Flax 5% harvested, 63% 1991, 54% avg. Dry edible beans 8% harvested, 70% 1991, 35% avg. Sweet corn 50% harvested, 72% 1991, 82% avg. Winter wheat 28% planted, 58% 1991, 53% avg. Rye 28% planted, 52% 1991, 52% avg. Soybean 2% very poor, 20% poor, 46% fair, 31% good, 1% excellent. Corn 5% very poor, 12% poor, 45% fair, 34% good, 4% excellent.

MISSISSIPPI: Temperatures 75°, 3.9° below normal. Extremes 50°; 93°. Eastern central part of the State reported above average rainfall, while the rest of the State was near normal. State average 0.87 in., 0.04 in. below normal. Soil temperature 79°.

Days suitable for fieldwork 3.3, 5.1 1991, 5.7 avg. Soil moisture 5% short, 42% adequate, 32% surplus, 21% excessive. Corn mature 89%, 84% 1991, 81% avg.; harvested 30%, 44% 1991, 41% avg.; silage harvested 89%, 82% 1991, 83% avg.; 20% fair, 71% good, 9% excellent. Cotton open bolls 45%, 42% 1991, 61% avg.; 12% poor, 53% fair, 35%

good. Peanuts harvested 38%, 60% 1991, 47% avg. Rice mature 62%, 57% 1991, 62% avg.; harvested 11%, 17% 1991, 17% avg.; 56% fair, 44% good. Sorghum 84% mature, 62% 1991, 67% avg.; harvested 33%, 37% 1991, 39% avg.; silage harvested 70%, 78% 1991, 79% avg.; 2% poor, 41% fair, 57% good. Soybeans 97% podding, 82% 1991, 82% avg.; turning color 35%, 28% 1991, 28% avg.; shedding leaves 14%, 2% 1991, 9% avg.; 40% fair, 60% good. Sweet potatoes harvested 21%, 42% 1991, 34% avg.; 25% fair, 75% good. Wheat 3% planted, 0% 1991, 2% avg. Hay harvested 88%, 90% 1991, 84% avg. Pecans 14% very poor, 57% poor, 15% fair, 14% good. Livestock 95% good, 5% excellent. Pasture 92% of normal. Activities: Preparing for harvest, insect control.

MISSOURI: Temperatures slightly below average, southeast up to 4° below normal. Rainfall 0.83 in., varying by district around 0.40 in. southwest, south central, to 1.54 in. northeast.

Days suitable for fieldwork 5.4. Topsoil 45% short, 54% adequate, 1% surplus. Subsoil 37% short, 62% adequate, 1% surplus. Corn mature varies less than 25% central, northern districts, up to 91% southeast. Corn harvesting for grain mostly limited to southeast, silage cutting begun in other areas. Late planted soybeans could use more moisture for optimum development, extended warm weather also needed for normal maturing. Sorghum mature less than 10% central, northern districts, up to 69% southeast. Warm, dry weather needed for cotton boll opening, progress 3 weeks behind average. Alfalfa third cutting 82%, 90% 1991, 91% avg. Pasture 1% very poor, 15% poor, 49% fair, 31% good, 4% excellent.

MONTANA: Record cold temperatures reported in some areas of State. Temperatures averaged below to near normal. Scattered precipitation received at most stations.

Days suitable for fieldwork 6.3. Topsoil 38% short, 59% adequate, 3% surplus. Subsoil 42% short, 56% adequate, 2% surplus. Winter wheat 92% harvested, 98% 1991, 97% avg. Barley 65% harvested, 91% 1991, 83% avg. Oats 60% harvested, 85% 1991, 85% avg. Corn for silage 11% harvested, 23% 1991, 23% avg. Dry bean 6% harvested, 25% 1991, 21% avg. Pasture, range feed 78%, unchanged from last week. Second cutting alfalfa hay 84% harvested, 90% 1991, 86% avg.

NEBRASKA: Temperatures averaged near normals. Scattered precipitation 0.10 in. west to almost 2.00 in. east.

Days suitable for fieldwork 5.1. Topsoil 3% short, 87% adequate, 10% surplus. Subsoil 1% short, 93% adequate, 6% surplus. Row crops 1 to 2 weeks behind normal development. Corn 1% very poor, 8% poor, 18% fair, 49% good, 24% excellent; 55% dented, 94% 1991, 85% avg.; 2% mature, 37% 1991, 26% avg. Soybean 2% poor, 7% fair, 65% good, 26% excellent; 14% turning, 58% 1991, 48% avg. Sorghum 3% poor, 14% fair, 63% good, 20% excellent; 32% coloring, 82% 1991, 74% avg. Alfalfa 2% poor, 16% fair, 69% good, 13% excellent; 81% third cutting, 76% 1991, 77% avg.; fourth cutting started. Winter wheat sown 3%, 6% 1991, 9% avg. Pasture, range 100% of normal.

NEVADA: Low pressure aloft brought showers to most areas. Temperatures remained within a few degrees of normal statewide. Extremes 31°; 99°. Precipitation none to 1.83, most precipitation fell in northeast.

Irrigation water supplies 65% very short, 20% short, 10% adequate. Crop harvest continues

slightly ahead of normal in most areas. Garlic harvested 100%, 90% 1991, 95% avg. Onion harvest 10%, 5% 1991, 5% avg. Alfalfa second cutting complete 95%, 95% 1991, 95% avg.; third cutting 45%, 30% 1991, 35% avg. Other hay harvested 95%, 90% 1991, 90% avg. Alfalfa seed fair to good, harvest complete 65%, 30% 1991, 30% avg. Winter wheat harvested 100%, 95% 1991, 100% avg. Spring wheat harvested 90%, 90% 1991, 85% avg. Oats harvested 90%, 90% 1991, 90% avg. Barley harvested 95%, 90% 1991, 90% avg. Pasture, range continues to deteriorate, currently 38% of normal, 62% 1991, 65% avg. Stockwater supplies 95% short, 5% adequate. Livestock feeding, movement to available forage continues.

NEW ENGLAND: Precipitation 0.31 to 1.64 in. north; 0.23 to 3.34 in. south. Temperatures mid 50s to low 60s north, mid 50s to high 60s south; 0 to 4° below normal. Maximum temperatures low 70s to low 80s north, mid 70s to low 80s south. Minimum temperatures mid 30s to mid 40s north, mid 30s to low 50s south.

Days suitable for fieldwork 5. Soil moisture 11% short, 80% adequate, 9% surplus. Available grazing 15% short, 85% adequate. Fieldwork progress 5 days behind schedule. Maine potatoes 7% harvested in central, southern regions, harvest beginning in northern Maine; good. Rhode Island potatoes 33% harvested, 46% 1991, 53% avg.; condition. Massachusetts, Connecticut potatoes 41% harvested, 41% 1991, 21% avg.; good. Maine oats 45% harvested, 55% 1991, 54% avg.; good. Field corn 3% harvested, 8% 1991, 9% avg.; good. Connecticut, Massachusetts sweet corn 70% harvested, 86% 1991, 82% avg.; good. Second cut hay 79% harvested, 85% 1991, 84% avg.; good. Third cut hay 24% harvested, 41% 1991, 45% avg.; good. Shade tobacco 94% harvested; good. Outdoor tobacco 97% harvested; good. Apples 14% harvested, 22% 1991, 13% avg.; color good, size medium; good. Peaches 44% harvested, size medium; good. Connecticut pears 10% harvested, size medium; good. Cranberry good to excellent, harvest will begin in one to two weeks. Maine wild blueberry crop 99% harvested, size medium; good to excellent. Major farm activities: Spraying for insects, spreading manure, harvesting field corn, vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, haying.

NEW JERSEY: Temperatures near normal. Extremes 44°; 87°. Rainfall 1.28 in. north, 0.18 in. central, 0.94 in. south. Heaviest 24 hour total 1.25 in. on 3rd, 4th. Estimated soil moisture, in percent field capacity, averaged 75% north, 56% central, 56% south. Four inch soil temperatures averaged 65° north, 67° central, 70° south.

Soil moisture content adequate. Dandelion, dill, basil, broccoli rabe, collards, kale, okra, beets, Chinese cabbage, leeks, parsley, turnips, watermelon, cantaloupe in light volume. Cucumbers, pickles, tomatoes, green onions, sweet corn, cabbage, green beans in moderate supply. Eggplant, peppers, squash in good volume. Harvest of fall vegetables--endive, escarole, romaine, Boston, bibb lettuce--has begun. Harvesting late season Peach varieties. Early corn, soybean fields started to turn color in southern areas. Pastures good overall.

NEW MEXICO: Warm, damp conditions over sections of State early in the week gave way to drier air which helped produce clear skies for cool overnight temperatures. Temperatures in north, west 2 to 4° above normal. Tropical moisture surging over the State from southwest, northeast produced heavy showers along the eastern border with higher totals over 3.00 in.

Days suitable for fieldwork 6.2. Soil moisture 28% short, 72% adequate. Crop conditions: Alfalfa 4% poor, 21% fair, 71% good, 4% excellent. Corn 7% fair, 79% good, 14% excellent; silage harvest active. Winter wheat 27% fair, 56% good, 17% excellent; 55% of crop planted. Chile 15% fair, 85% good; harvest active. Lettuce and onions in good shape; onion harvest near completion in southern part of state. Pecans 25% fair, 75% good. Apples 42% fair, 58% good; harvest active. Cattle, sheep fair to excellent. Range condition 93% of normal.

NEW YORK: Weather was close to the norm for this time of year. Most days were dry. Hard rain received on 3rd leaving over 1.00 in. of water in Adirondacks, St. Lawrence Valley, 0.25 to 0.50 in. Hudson Valley. Extremes 35°; 85°.

Days suitable for fieldwork 4.7. Soil moisture supplies mostly adequate to surplus. Wetness continued to hamper harvest progress. Pasture 94% of normal. Hay fair to good. Corn poor to good. Alfalfa second cutting 86% complete, 97% 1991, 94% avg. Third cutting underway in some areas. Oats 62% harvested 97% 1991, 92% avg. Potato growers killing vines, harvesting underway. Paula Red apple harvest nearing completion in Lake Ontario region. Cooler weather good for apple color development. Growers finishing Bartlett pear harvest. McIntosh apple harvest underway in Hudson Valley. Concord grapes picked during the week. Crest Haven peach harvest started. Heavy rains in Oswego County flooded low lying muck fields. Onion crop ranged from poor to excellent condition, depending on location. Onion harvest continued in Orange County. Crop in excellent condition. Harvesting of other vegetable crops remained active.

NORTH CAROLINA: Temperatures 1° below normal to 1° above normal. Precipitation 4.25 in. at Lake Toxaway to no precipitation at several locations.

Days suitable for fieldwork 6.0. Soil moisture 2% very short, 14% short, 83% adequate, 1% surplus. Crop condition: Pasture 2% poor, 23% fair, 73% good 2% excellent; tobacco 1% very poor, 1% poor, 42% fair, 53% good, 3% excellent; corn 3% poor, 30% fair, 64% good, 3% excellent; cotton 5% poor, 43% fair, 46% good, 6% excellent; peanuts 46% fair, 54% good; soybeans 28% fair, 69% good, 3% excellent; hay 26% fair, 72% good, 2% excellent; Sweet potatoes 7% poor, 35% fair, 55% good, 3% excellent; apples 18% poor 36% fair, 46% good; sorghum 42% fair, 58% good; cotton setting bolls 95%, 100% 1991, 100% avg.; open bolls 26%, 58% 1991, 44% avg.; corn soft dough 93%, 100% 1991, 99% avg.; dented 91%, 96% 1991, 91% avg.; mature 78%, 87% 1991, 78% avg.; soybeans flowering 90%, 95% 1991, 90% avg.; setting pods 82%, 83% 1991, 75% avg.; flue-cured tobacco harvested 74%, 73% 1991, 69% avg.; burley harvested 27%, 46% 1991, 33% avg.; corn for silage harvested 48%, 66% 1991, 59% avg.; corn for grain harvested 13%, 23% 1991, 15% avg.; sorghum for grain harvested 10%, 18% 1991, 12% avg.; apples harvested 18%, 30% 1991, 25% avg. Hay, roughage supplies 2% short, 93% adequate, 5% surplus. Hay second cutting 82%. Hay third cutting 40%. Major activities: Harvesting, curing, marketing tobacco, cutting corn for silage. Other activities: Harvesting vegetables; harvesting sorghum for grain; spraying cotton, peanuts; preparing ground for small grains; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: Two low pressure systems moved through, one at midweek brought showers, the

other delivered showers, cool temperatures late in the week. Statewide temperatures 1 to 2° below normal. Extremes 25°; 87°, both south central. Precipitation 0.13 in. northwest to 1.37 in. east central.

Days suitable for fieldwork 3.8. Soil moisture supplies above last year and average. Topsoil 6% very short, 24% short, 62% adequate, 8% surplus. Subsoil 17% very short, 50% short, 31% adequate, 2% adequate. Small grain harvest continued behind 1991 and average. Spring wheat 29% fair, 56% good, 15% excellent; 50% combined, 98% 1991, 97% avg. Durum 34% fair, 46% good, 20% excellent; 30% combined, 94% 1991, 93% avg. Barley 25% fair, 51% good, 24% excellent; 77% combined, 100% 1991, 100% avg. Oats 2% poor, 28% fair, 64% good, 6% excellent; 75% combined, 100% 1991, 99% avg. Winter wheat 29% fair, 67% good, 4% excellent; 97% combined, 100% 1991, 100% avg. Late season crop development continued well behind average. Sugarbeets 88% good, 12% excellent; 2% lifted, none 1991, 1% avg. Corn for grain 2% poor, 37% fair, 61% good; 19% denting to dented and beyond, 97% 1991, 81% avg. Flax 4% poor, 16% fair, 69% good, 11% excellent; 5% combined, 62% 1991, 45% avg. Potatoes 41% fair, 59% good; 12% dug, 17% 1991, 14% avg. Soybeans 24% fair, 76% good; 1% mature and beyond, 71% 1991, 48% avg. Dry beans 21% fair, 79% good; 1% cut or combined, 63% 1991, 30% avg. Sunflower 2% poor, 34% fair, 57% good, 7% excellent; 2% bracts turned brown and beyond, 28% 1991, 23% avg. Range, pasture 70% of normal. Alfalfa hay second cutting 95% complete, other hay first cutting 97% complete. Stockwater supplies 9% very short, 22% short, 69% adequate.

OHIO: High pressure moved over the Midwest early in the week producing dry but cool weather. A warm front moved in around midweek, was immediately followed by a cold front. Rain, thunderstorms accompanied these two fronts, dampened many fields. Some strong storms pushed across northern areas. Temperatures close to normal for the week in most places. Highs were in the mid 70s to low 80s with average lows in the mid 50s to low 60s. Weekly rain varied from a trace to over 2.0 in. In sections of the northwest.

Days suitable for fieldwork 5.0. Topsoil 2% short, 76% adequate, 22% surplus. Pasture 3% poor, 22% fair, 58% good, 17% excellent. Hay 1% very poor, 7% poor, 28% fair, 49% good, 15% excellent. Crop development lags behind despite recent reasonable weather. Tobacco harvest is now underway. Mildew, blight have caused problems with a variety of vegetables.

OKLAHOMA: Temperatures 1° below normal northeast to 4° below normal south central. Precipitation 0.14 in. Panhandle to 1.95 in. east-central.

Days suitable for fieldwork 5.2. Topsoil 12% short, 72% adequate, 16% surplus. Subsoil 9% short, 91% adequate. Wheat 11% planted, 8% 1991, 9% avg. Some seeded wheat emerging west. Seedbed preparations, pre plant fertilizer applications active. Cotton 31% very poor, 6% poor, 17% fair, 46% good; 10% open bolls, 6% 1991, 8% avg. Warmer daytime temperatures needed. Sorghum 14% fair, 80% good, 6% excellent; 11% mature, 15% 1991, 11% avg. Peanuts 11% mature, 10% 1991, 17% avg. Soybeans 15% mature, 8% 1991, 7% avg. Corn 21% harvested, 42% 1991, 30% avg.; Pastures 105%. Cattle good; marketings average, prices steady to \$1.00 per cwt. lower than preceding week.

OREGON: Temperatures above normal most areas; exceptions coast, normal, isolated northeastern, south central areas, below normal. Precipitation 0.10 to 0.40 in. western, northeastern, south central areas. Lakeview area 0.50 to 0.75 in.

diameter hail. Spotty rains dumped 1.00 to 1.25 in. some northeastern, south central areas.

Soil moisture 95% short, 5% adequate. Winter wheat 99% harvested, 3% planted. Barley 90% harvested. Grass seed, clover seed, mint harvest concluding. Hops harvest winding down, Willamette Valley. Field preparation for fall seeding in cereal grains, canola, grass seed continues. Field corn silage being cut, western areas. Apples, pear harvest continues, prunes, plums harvest concluding, Evergreen blackberry concluding, hazelnuts dropping as growers started first pass through orchards, caneberry training continues; Willamette Valley. Hood River Valley Anjou, Bosc pear, early season apple harvest continued. Medford district pear harvest nearly complete. Umatilla apple harvest continues. Cranberry conditions good to excellent, harvest to begin 9th, some weed problems, early season frost injuries expected; southern coast. Frosts killing potato vines in Klamath Basin, northeastern areas. Early fresh market potato harvest underway, Klamath Basin. Potato, onion harvest continues, Malheur County. Potato, onion, lima, garbanzo beans, carrot harvest continues, northeastern areas. Sweet corn, green beans, broccoli, onion harvest continues; Willamette Valley. Livestock continued good. Stockwater continues to be scarce. Most dryland pastures dried up, no relief in sight. Hay and protein supplements being fed. Extreme fire conditions, statewide. Many cattle being moved off federal lands. Morning frosts continued, eastern areas. Range, pasture 40% of normal.

PENNSYLVANIA: Temperature 71°, 3° above normal. Extremes 38°; 86°. Precipitation 0.52 in., 0.32 in. below normal.

Days suitable for fieldwork 5. Soil moisture 16% short, 75% adequate, 9% surplus. Ensilage corn harvested 6% complete, 28% 1991. Soybean 1% very poor, 4% poor, 19% fair, 47% good, 29% excellent. Wheat harvest 100% complete, 100% 1991; planted 12% complete, 8% 1991. Oat harvest 92% complete, 100% 1991. Barley harvest 100% complete, 100% 1991; planted 13% complete, 7% 1991. Tobacco harvest 47% complete, 64% 1991. Potato harvest 37% complete, 47% 1991. Second cutting alfalfa 93% complete, 99% 1991. Third cutting alfalfa 54% complete, 68% 1991. Fourth cutting alfalfa 19% complete, 24% 1991. Second cutting clover timothy 80% complete, 90% 1991. Quality of hay made 6% poor, 47% fair, 47% good. Feed from pastures 7% poor, 42% fair; 51% good. Apple harvest 26% complete, 27% 1991. Peach harvest 70% complete, 88% 1991. Grapes harvest 20% complete, 40% 1991. Fall plowing 29% complete, 29% 1991. Activities: hauling manure; maintaining machinery; cutting, baling hay; making some silage; fall plowing; seeding small grains, alfalfa; fruit, vegetable harvesting; fixing fence; caring for livestock.

SOUTH CAROLINA: Temperatures across the State near normal. Rainfall 0.80 in. statewide.

Days suitable for fieldwork 5.4. Soil moisture 18% short, 77% adequate, 5% surplus. Tobacco fair to good; 88% harvested, 92% 1991, 87% avg.; 34% stalks destroyed, 34% 1991, 21% avg. Corn fair to good; 43% harvested, 51% 1991, 45% avg. Cotton fair to good; 36% open bolls, 50% 1991, 36% avg. Soybeans fair to good; 97% blooming, 96% 1991, 95% avg.; 81% setting pods, 74% 1991, 73% avg.; 6% leaves turning, 5% 1991, 6% avg. Peaches poor to fair; 95% harvested, 99% 1991, 99% avg. Cantaloupes fair to good; 95% harvested, 99% 1991, 98% avg. Apples fair to good; 25% harvested, 60% 1991, 44% avg. Grapes fair to good. Fall hay fair to good; 61%

harvested, 56% 1991, 53% avg. Peanuts fair to good. Sorghum fair to good; 27% harvested, 27% 1991, 26% avg. Pastures fair to good. Winter grazing 7% planted, 11% 1991, 8% avg.; 2% emerged, 2% 1991, 3% avg. Rainfall helped soybeans; insect pressure building in cotton, soybeans.

SOUTH DAKOTA: Temperatures 2 to 5° below normal. Extremes 28°; 91°. Precipitation 1.00 to 5.00 in. east, 0.10 to 1.00 in. west. Maximum 5.23 in.

Days suitable for fieldwork 3.7. Topsoil 3% very short, 20% short, 60% adequate, 17% surplus. Subsoil 11% very short, 15% short, 64% adequate, 10% surplus. Flax 30% fair, 52% good, 18% excellent. Sunflowers 18% fair, 59% good, 23% excellent. Barley 96% harvested, 100% 1991, 100% avg. Oats 97% harvested, 100% 1991, 100% avg. Winter rye 8% seeded, 10% 1991, 18% avg. All crop progress remains behind normal due to wet conditions, below normal temperatures. Livestock 2% fair, 73% good, 25% excellent. Pasture 93% of normal.

TENNESSEE: Scattered showers moved across the State with most areas receiving precipitation. Below normal temperatures statewide.

Days suitable for fieldwork 4.0. Soil moisture, 3% short, 78% adequate, 19% surplus. Corn 93% dent, 84% 1991, 88% avg.; 44% mature, 47% 1991, 51% avg.; 31% silage harvested, 47% 1991, 53% avg.; 5% grain harvested, 11% 1991, 8% avg.; 3% fair, 61% good, 36% excellent. Cotton 11% open bolls, 40% 1991, 39% avg.; 30% fair, 66% good, 4% excellent. Sorghum 89% turning color, 66% 1991, 81% avg.; 35% mature, 27% 1991, 39% avg.; 4% harvested, 4% 1991, 10% avg.; 6% fair, 74% good, 20% excellent. Soybeans 90% setting pods, 81% 1991, 86% avg.; 5% dropping leaves, 6% 1991, 11% avg.; 1% mature, 1% 1991, 3% avg.; 8% fair, 80% good, 12% excellent. Tobacco 1% poor, 16% fair, 82% good, 1% excellent. Burley 56% harvested, 69% 1991, 60% avg. Dark air cured 60% harvested, 49% 1991, 54% avg. Dark fire cured 53% harvested, 49% 1991, 55% avg. Cattle 5% fair, 86% good, 9% excellent.; pasture 1% poor, 6% fair, 74% good, 19% excellent.

TEXAS: Upper level pressure over southern half of State kept region dry, warm for week. Upper level disturbances to north allowed showers, cooler air to penetrate into northern half of State at times. Rain amounts for week generally above normal northern half State, near to below normal south. Over an inch of rain Low Plains, East Texas to none South Texas, Lower Valley. Temperatures below normal northern sections, above normal southern part State.

Crops: Corn harvest winding down Hill Country, Blacklands, just beginning in Low Plains. Most other areas harvest continued, no major delays. Cotton fields in Plains inhibited by cooler temperatures, lack of sunshine. Rains slowed insect problems. Warmer conditions needed for development. Fields in Blacklands maturing quickly, but affected by boll weevil, bollworm infestation. Rice harvest along Upper Coast progressed rapidly, harvest near completion several areas. Those fields harvested, fair yields, quality. Grain sorghum fields in High Plains adversely affected by cooler temperatures, rains. Midge still problem, some fields. Good yields certain areas of Low Plains. Planting of small grains began several areas State, land preparations underway in others. Peanut fields sprayed for leaf spot. Fields in Blacklands pegging, appeared in good condition, though additional rainfall welcomed. Harvest in Plains few weeks away. Peanut 87% normal compared 84% 1991. 5% of crop harvested, 7% 1991, 5% avg. Soybean harvest Blacklands continued, good yields

many areas. Along Upper Coast, yields not as promising. Fields in Plains excellent condition. Wheat 9% planted, 10% 1991, 10% avg.

Commercial Vegetables: East Texas, harvest sweet potatoes continued. Fall vegetables need moisture. High Plains, harvest carrots, cabbage continued. Trans-Pecos, chile harvest continued, some occurrences chile wilt. Pepper harvest underway, melon harvest winding down. Rio Grande Valley, vegetables progressing well, peppers beginning to set fruit. Grapefruit no difficulties, oranges splitting from heavy fruit set. Pecan trees sprayed for insect, disease control. Powdery mildew appeared some trees, Cross Timbers. Nut drop continued.

Range and Livestock: Showers continued to benefit ranges, pastures certain areas, several areas needed moisture, did not receive adequate amounts. Pastures providing adequate forage. Winter pasture preparations began some areas. Livestock affected by hornflies. Limited supplemental feeding areas missed by rain.

UTAH: Temperature maximums averaged 2° less than normal, minimums 1° less than normal. Moderate precipitation in Dixie, south central divisions, light elsewhere.

Days suitable for fieldwork 6.2. Soil moisture 85% short, 15% adequate. Irrigation water supply 59% very short, 27% short, 14% adequate. Stockwater supply 23% very short, 28% short, 14% adequate. Oats harvested for grain 84%, 70% 1991. Winter wheat seeded 29%, 24% 1991, 32% avg. Field corn: in dough stage 88%; in dent stage 51%; mature 24%; harvested for silage 10%, 4% 1991. Alfalfa 3rd cutting 68%, 43% 1991, 55% avg. Alfalfa seed harvested 37%. Hay, roughage supplies 14% short, 72% adequate, 14% surplus. Potatoes harvested 33%, 16% 1991. Onions harvested 36%, 24% 1991. Peaches picked 85%, 53% 1991. Apples 25% picked, 2% 1991. Pears 81% picked. Cattle moved from summer range 20%, 10% 1991. Sheep moved from summer range 13%, 7% 1991. Pasture, range poor to fair.

VIRGINIA: Temperatures below normal beginning of week, above normal weekend, precipitation above normal in west to well below normal extreme south. Highest precipitation amount was 1.96 in. at Glasgow. Extremes 39°; 92°.

Days suitable for fieldwork 5.0. Topsoil 12% short, 79% adequate, 9% surplus. Pasture 6% poor, 26% fair, 48% good, 20% excellent. Corn dented 75%, 80% 1991, 72% avg.; mature 60%, 65% 1991, 58% avg.; silage harvested 33%, 45% 1991, 36% avg.; harvested for grain 7%, 22% 1991, 13% avg. Soybean 40% fair, 47% good, 13% excellent. Peanuts 75% fair, 25% good. Spraying peanuts for diseases. Fall apple, sweet potato harvest continued. Flue tobacco 57% harvested, 60% 1991, 53% avg. Fire tobacco 76% harvested, 80% 1991, 69% avg. Sun tobacco 70% harvested, 65% 1991 and 48% avg. Burley tobacco 35% harvested, 45% 1991, 39% avg. Livestock mostly good. Harvesting hay, corn silage. Harvesting vegetables.

WASHINGTON: Temperatures 3° below to 2° above normal west; 3° below to 4° above normal east. Rainfall none to 0.48 in. west; none to 0.07 in. east.

Days suitable for fieldwork 6.8. Soil moisture 46% short, 54% adequate. Hay, other roughage 8% short, 78% adequate, 14% surplus. Range, pasture 13% very poor, 63% poor, 24% fair. Winter wheat 100% harvested, 96% 1991, 99% avg. Winter wheat planted 40%, 6% 1991, 20% avg. Barley 100% harvested, 78% 1991, 92% avg.

Alfalfa hay third cut 89% complete, 69% 1991, 70% avg. Spring wheat 100% harvested, 95% 1991, 96% avg. Potatoes 20% harvested, 22% 1991, 26% avg. Corn silage 35% harvested, 10% 1991, 15% avg. Dry beans harvested 27%, 21% 1991, 16% avg. Small grain harvest complete. Winter wheat seeding active, emerged stands reported central areas. Third cutting alfalfa progressing ahead of normal, fourth cutting active southwest. Corn silage cut; limited grain corn harvested southwest. Grapes coloring west, concord harvest continued central orchards. Early apple harvest continued west. Cooler temperatures central areas helped apple color development. Red delicious picking increased. Vegetables harvested central areas.

WEST VIRGINIA: Temperature 70°. Extremes 47°; 88°. Precipitation 0.40 in.

Days suitable for fieldwork 4.6. Soil moisture, 4% very short, 7% short, 82% adequate, 7% surplus. Tobacco, 56% fair, 44% good; 98% topped, 50% harvested. Gardens, 56% fair, 44% good. Hay, 14% fair, 78% good, 8% excellent; 72% second cut, 50% third cut. Apples, good. Peaches, good. Corn, 99% good, 1% excellent; 100% silked, 69% dough stage, 40% mature. Pastures, 15% fair, 51% good, 34% excellent; 93% of normal. Cattle, good. Sheep, good. Soybeans, good; 75% blooming, 74% setting pods. Farm activities: maintenance; cutting hay; clipping pastures; topping tobacco; harvesting hay, tobacco, peaches, apples.

WISCONSIN: Temperature 62°; 3° below normal. Extremes 33°; 88°. Precipitation 0.60 to 1.80 in. Growing degree days for all districts are similar to the second week of August (northern WI) to late August (central, southern WI).

Days suitable for fieldwork 4.9. Soil moisture 39% short and 61% adequate. Pasture 68% of normal, 68% 1991, 73% avg. General condition of crops 7% poor, 42% fair, 51% good. Oats 81% harvested. Corn 2% very poor, 8% poor, 32% fair, 56% good, 2% excellent. Corn 46% in dough stage or beyond, 90% 1991, 84% avg.; 11% in dent stage or beyond, 64% 1991, 60% avg.; 2% mature, 24% 1991, 20% avg. Third crop hay 43% harvested, 63% 1991, 53% avg. Soybean 3% poor, 35% fair, 60% good, 2% excellent; 10% turned, 58% 1991, 31% avg.

WYOMING: Temperatures across State normal to 2° below normal. Frosts occurred in regions of the southwest, northeast. Precipitation was slightly below normal across the eastern half of the State while the western half received near normal precipitation.

Days suitable for fieldwork 6.0. Topsoil 47% short, 51% adequate, 2% surplus. Subsoil 71% short, 29% adequate. Spring wheat 23% mature, 10% 1991, 5% avg.; 77% harvested, 90% 1991, 95% avg. Oats 21% mature, 15% 1991, 13% avg.; 79% harvested, 85% 1991, 87% avg. Barley 15% mature, 16% 1991, 12% avg.; 85% harvested, 84% 1991, 88% avg. Winter wheat 99% harvested. Dry beans 77% leaves turning color, 44% 1991, 59% avg.; 17% windrowed, 35% 1991, 25% avg.; 6% combined, 21% 1991, 16% avg. Corn 32% milk, 9% 1991, 11% avg.; 39% dough, 37% 1991, 43% avg.; 21% dented, 52% 1991, 43% avg.; 8% mature, 2% 1991, 3% avg. Corn silage 14% harvested, 7% 1991, 14% avg. Potatoes 11% harvested, 1% 1991, 12% avg. 1993 Winter wheat 81% not planted, 60% 1991, 61% avg.; 19% planted, 37% 1991, 31% avg.; 0% emerged, 3% 1991, 8% avg. Alfalfa 81% of second cutting completed, 90% 1991, 91% avg.; 17% of third cutting completed, 16% 1991, 23% avg. Other hay 93% harvested. Livestock mostly good. Stockwater supplies 47% short, 53% adequate.

August 1992

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

August 30 - September 5, 1992

FSU: In the west, prolonged dryness over southern and eastern areas benefits summer crop harvests but limits moisture for winter grain planting. In the **New Lands**, dry weather accompanies a warming trend in the west, helping spring grain harvests. Damp, cold weather slows harvest in the east.

EUROPE: Widespread rain across much of the region slows harvesting but provides topsoil moisture for winter grain planting.

SOUTH ASIA: Showers benefit immature, rain-fed crops across the region, except for India's northern rice.

SOUTHEAST ASIA: Rainfall decreases over Indochina. Flooding continues over northwestern Philippines, while rainfall is light elsewhere.

EASTERN ASIA: Tropical storms bring widespread rain, with local excessive amounts to eastern China, North Korea, and Taiwan.

AUSTRALIA: Scattered rains fall across the eastern wheat areas, while beneficial rains fall elsewhere.

SOUTH AMERICA: Widespread rain aids winter wheat in Argentina and increases pre-planting moisture for summer crops in Brazil.

MEXICO: Seasonal rains continue across the corn belt, with beneficial drier weather in the northwest.

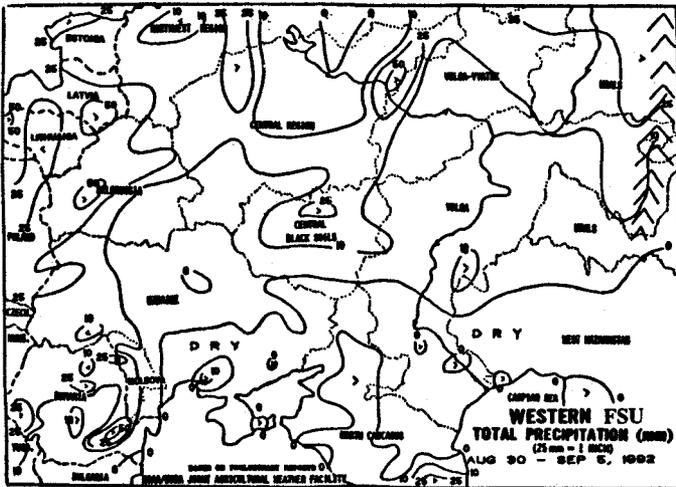
CANADA: Cool, wet weather hampers harvests and impacts quality of spring wheat and canola.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG DPART	F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	17	9	21	4	13	-0.8	102	4
SWEDEN	STOCKHOLM	20	13	27	9	16	0.2	76	5
FINLAND	HELSINKI	19	11	32	4	15	-0.3	129	53
U KING	GLASGOW	17	10	21	4	14	-1.7	163	72
	EDINBURGH	18	10	22	4	14	-0.4	109	35
	BIRMINGHAM	20	11	23	6	16	0.1	96	24
	LONDON	21	12	27	6	17	0.8	97	40
IRELAND	DUBLIN	18	11	21	7	15	-0.2	80	5
ICELND	REYKJAVIK	12	8	18	3	10	-0.3	60	4
DENMRK	COPENHAGEN	21	13	30	8	17	0.0	68	2
LUXEMB	LUXEMBOURG	24	15	34	10	19	2.5	104	30
SWITZL	ZURICH	27	17	33	11	22	5.1	55	-87
	GENEVA	29	16	34	11	23	4.5	66	-36
FRANCE	PARIS/ORLY	26	16	36	11	21	***	50	**
	STRASBOURG	28	16	35	10	22	3.8	71	-2
	BOURGES	26	15	36	10	21	2.1	97	30
	BORDEAUX	27	17	35	12	22	2.8	243	179
	TOULOUSE	29	18	36	11	23	3.2	40	-8
	MARSEILLE	31	21	35	15	26	2.9	24	-1
SPAIN	VALLADOLID	30	16	38	10	23	2.4	21	1
	MADRID	33	17	39	12	25	1.1	36	25
GERMNY	LEIPZIG	**	**	**	**	**	***	**	**
	DRESDEN	**	**	**	**	**	***	**	**
	HAMBURG	23	14	37	9	18	2.1	80	-4
	BERLIN	26	16	37	11	21	2.9	67	2
	DUSSELDORF	25	16	34	11	20	2.4	85	7
	STUTTGART	26	15	34	9	21	3.8	76	-22
	NURNBERG	27	16	36	7	22	4.4	51	-22
	MUNICH	**	**	**	**	**	***	**	**
AUSTRI	VIENNA	32	18	36	11	25	5.3	7	-55
	INNSBRUCK	28	15	34	11	22	4.5	108	-12
CZECH	PRAGUE	28	15	35	7	21	4.2	58	-8
POLAND	WARSAW	28	15	36	8	21	4.0	26	-29
	LODZ	29	15	37	7	22	5.0	15	-52
	KATOWICE	29	14	36	8	22	5.2	12	-79
	PRZEMYSL	**	**	**	**	**	***	**	**
HUNGAR	BUDAPEST	33	19	37	15	26	5.7	0	-47
YUGOSL	SARAJEVO	**	**	**	**	**	***	**	**
ROMANI	BUCHAREST	33	15	42	11	24	2.1	23	-29
BULGAR	SOFIA	31	16	34	12	24	3.7	28	-11
ITALY	MILAN	31	20	35	15	26	3.6	34	-61
	VERONA	32	20	36	16	26	3.4	88	7
	VENICE	30	20	35	17	25	2.9	53	-23
	GENOA	28	23	33	18	26	1.3	53	-1
	ROME	31	20	34	16	26	1.8	15	-13
	NAPLES	32	22	36	19	27	4.4	0	-57
GREECE	THESSALONIKA	33	20	35	18	27	0.5	20	0
	LARISSA	35	18	37	14	26	-0.7	0	-12
	ATHENS	33	24	35	20	29	0.3	0	-5
TURKEY	ISTANBUL	30	21	35	16	26	2.5	15	-6
	ANKARA	29	12	34	8	21	-2.8	1	-36
CYPRUS	LARNACA	33	22	37	19	28	0.0	4	3
FSU	TALLINN	20	12	34	5	16	0.4	65	-4
	LENINGRAD	20	13	32	10	17	0.6	42	-32
	KAUNAS	25	13	35	7	19	2.4	66	3
	MINSK	26	15	34	10	21	4.1	31	-47
	KAZAN	22	12	32	6	17	-0.5	39	-25
	MOSCOW	23	13	31	8	18	1.4	48	-26
	SVERDLOVSK	18	10	25	3	14	-0.9	82	18
	OMSK	21	10	29	3	15	-0.4	34	-20
	KUSTANAY	21	12	35	4	17	-1.1	33	1
	KRASNOYARSK	20	10	29	1	15	-0.1	132	62
	NOVOSIBIRSK	20	12	30	4	16	0.1	75	21
	BARNAUL	22	13	31	8	17	0.7	81	29
	KHABAROVSK	25	14	30	9	20	0.2	78	-44
	VLADIVOSTOK	21	16	26	7	19	-0.8	169	16
	KIEV	29	18	35	13	23	4.5	35	-36
	LVOV	28	15	34	10	21	4.0	46	-38
	KIROVOGRAD	31	16	34	11	24	3.4	8	-36
	ODESSA	29	21	33	17	25	3.3	18	-15

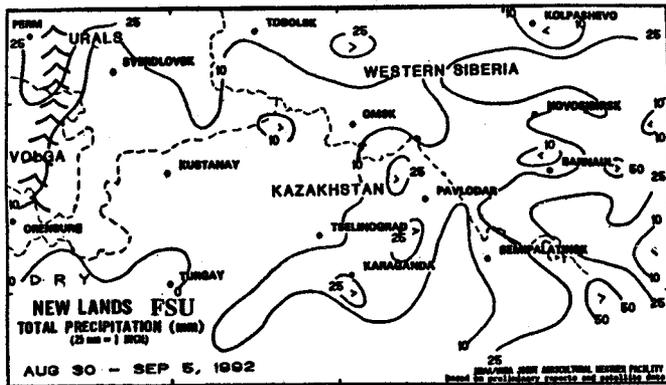
Based on Preliminary Reports

August 1992

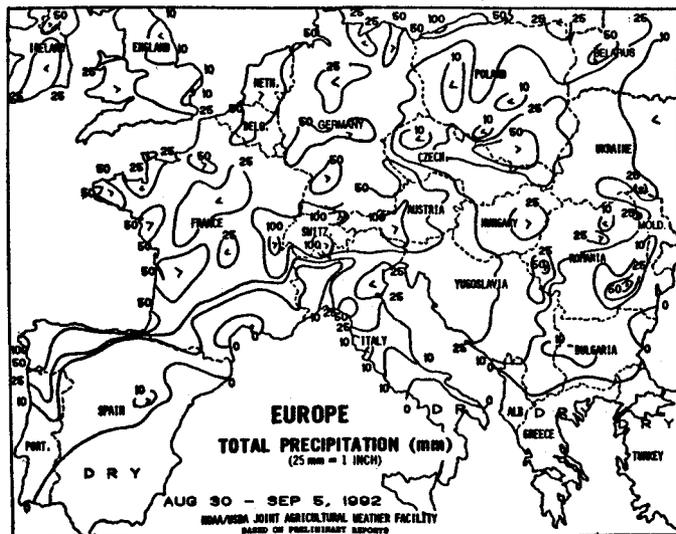
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)				
		AVG	AVG	HI	LO	DPART	DPART	TOTAL	F/NRM			AVG	AVG	HI	LO	DPART	DPART	TOTAL	F/NRM		
		MAX	MIN	MAX	MIN	AVG	F/NRM	TOTAL	F/NRM			MAX	MIN	AVG	F/NRM	TOTAL	F/NRM				
FSU	YALTA	30	22	33	17	26	2.3	100	74	KENYA	NAIROBI	22	11	27	4	17	-0.6	95	81		
	VORONEZH	26	13	34	8	20	1.2	21	-38		TANZAN	DAR ES SALAAM	29	18	32	15	23	-0.3	3	-22	
	SARATOV	25	16	33	10	20	0.7	20	-19		GABON	LIBREVILLE	26	21	27	19	24	-0.7	1	-6	
	KHARKOV	28	16	34	11	22	2.2	11	-72		TOGO	LOME	28	22	29	14	25	0.2	3	-23	
	VOLGOGRAD	27	16	33	9	21	-1.0	8	-23		B FASO	OUAGADOUGOU	30	22	34	20	26	0.2	288	42	
	ROSTOV	29	17	33	13	23	0.6	9	-32		IVRY C	ABIDJAN	27	22	28	21	24	0.1	95	66	
	ASTRAKHAN	29	16	35	10	23	-1.1	35	19		MOZAMB	MAPUTO	26	15	35	10	20	0.5	5	-11	
	KRASNODAR	30	16	34	12	23	0.1	8	-48		ZAMBIA	KABWE	**	**	**	**	**	**	**	0	0
	ORENBURG	23	11	33	5	17	-2.5	58	29		ZIMBAB	HARARE	23	9	28	5	16	0.2	0	-2	
	TSELINGRAD	22	12	30	4	17	-0.7	93	59		S AFRI	PRETORIA	21	7	26	2	14	0.4	5	0	
KARAGANDA	22	12	31	6	17	-0.6	61	32	KROONSTAD		19	3	26	-5	11	-0.6	36	24			
TBILISI	29	19	33	11	24	-0.2	13	-32	JOHANNESBURG		18	4	24	-3	11	-1.4	16	9			
TASHKENT	32	17	38	13	24	-0.5	1	-3	BETHAL		18	2	24	-4	10	-1.3	19	9			
ASHKhabAD	34	19	43	12	27	-2.1	1	0	URBAN		24	12	37	7	18	0.7	13	-38			
SYRIA	DAMASCUS	37	17	41	14	27	0.0	0	0	CAPE TOWN		18	7	24	1	12	0.2	43	-36		
ISRAEL	JERUSALEM	30	18	43	14	24	0.1	0	0	CANADA	TORONTO	23	13	31	8	18	-1.8	155	78		
PAKIST	KARACHI	31	26	35	21	29	-0.3	9	-45	MONTREAL		24	14	29	7	19	-0.9	71	-21		
INDIA	AMRITSAR	33	26	37	23	29	-0.4	164	-20	WINNIPEG		22	10	30	3	16	-2.0	79	4		
	NEW DELHI	32	27	36	25	30	-0.1	169	-79	REGINA		23	8	36	-1	16	-2.1	28	-16		
	AHMEDABAD	32	25	38	23	29	0.5	124	-96	SASKATOON		23	8	33	1	16	-1.7	44	7		
	INDORE	28	23	31	20	25	0.3	229	-62	LETHBRIDGE		23	9	34	-1	16	-1.5	39	-8		
	CALCUTTA	33	26	35	23	30	0.5	318	30	CALGARY		21	7	32	-3	14	-1.1	42	-13		
	VERAVAL	30	27	32	25	29	1.3	186	3	EDMONTON		22	10	32	-1	16	-0.4	32	-46		
	BOMBAY	30	25	31	20	27	0.6	864	204	VANCOUVER		22	14	26	10	18	0.7	23	-18		
	POONA	27	22	30	21	24	-0.2	195	79	MEXICO	GUADALAJARA	26	16	29	14	21	0.4	387	176		
	BEGAMPET	29	22	33	21	26	-0.2	274	107	MEXICO CITY		23	13	25	12	18	1.4	224	121		
	MADRAS	35	26	40	21	30	0.4	121	-35	ACAPULCO		34	25	35	16	30	0.8	157	-115		
	MANGALORE	28	23	30	22	26	-0.5	911	334	BERMUD	ST. GEORGES	31	26	32	21	28	1.2	116	-30		
H KONG	HONG KONG	**	**	**	**	**	**	**	**	BAHAMA	NASSAU	32	24	34	22	28	0.4	107	-80		
N KREA	PYONGYANG	26	18	32	14	22	-2.1	115	-117	CUBA	HAVANA	32	24	34	23	28	0.7	111	11		
S KREA	SEOUL	29	22	33	18	25	-0.1	423	199	JAMAIC	KINGSTON	33	26	34	24	29	1.0	43	-53		
JAPAN	SAPPORO	25	18	29	14	22	0.3	173	38	P RICO	SAN JUAN	32	25	34	23	28	0.4	101	-47		
	NAGOYA	32	24	35	21	28	1.3	108	-62	GUADEL	RAIZET	32	24	33	22	28	0.9	69	-76		
	TOKYO	31	25	34	19	28	0.9	10	-127	MARTINQ	LAMENTIN	30	25	31	23	28	1.6	229	-15		
	YOKOHAMA	30	24	34	18	27	0.9	35	-97	BARBAD	BRIDGETOWN	30	25	31	23	28	0.3	52	-96		
	KYOTO	32	25	35	23	28	1.5	169	9	TRINID	PORT OF SPAIN	32	23	33	22	28	1.3	112	-122		
	OSAKA	32	25	36	22	29	0.7	133	30	COLOMB	BOGOTA	19	9	21	5	14	1.2	36	-2		
THAIIN	PHETCHABUN	32	24	35	22	28	0.8	97	-99	VENEZU	CARACAS	33	25	35	20	29	2.2	56	5		
	BANGKOK	33	25	35	24	29	0.9	248	50	F GUIA	CAYENNE	31	22	32	22	27	0.8	74	-91		
MALAYS	KUALA LUMPUR	33	24	35	22	28	1.9	63	-80	BRAZIL	FORTALEZA	30	23	31	21	26	-0.3	19	-11		
VIETNM	HANOI	34	27	36	20	30	2.0	91	-252	RECIFE		27	21	28	19	24	0.1	135	-34		
CHINA	HARBIN	26	16	29	10	21	-0.8	93	-5	BELO HORIZONTE		25	16	29	13	21	0.6	20	10		
	HAMI	32	14	36	9	23	-2.3	9	5	CAMPO GRANDE		28	16	34	9	22	0.7	24	-5		
	LANCHOW	26	16	31	11	21	0.0	50	-35	FRANCA		25	15	29	10	20	0.8	13	2		
	BELJING	29	21	33	17	25	0.6	139	-73	LONDRINA		23	12	27	8	18	-0.7	41	-16		
	TIENTSIN	30	22	34	17	26	-0.1	109	-54	SANTA MARIA		20	10	31	-1	15	-0.7	84	-42		
	LHASA	22	10	27	8	16	0.7	90	-43	PERU	LIMA	19	15	20	15	17	0.7	6	2		
	KUNMING	25	16	28	13	21	1.6	104	-99	BOLIVI	LA PAZ	12	-2	14	-7	5	-3.0	34	19		
	CHENGCHOW	30	22	35	17	26	-0.3	131	12	CHILE	SANTIAGO	16	4	26	-4	10	0.6	52	3		
	YEHCHANG	33	24	38	19	28	0.5	165	-11	ARGENT	IGUAZU	22	12	29	3	17	**	138	**		
	HANKOW	33	25	39	19	29	0.7	45	-75	FORMOSA		22	13	31	6	17	0.9	101	53		
	CHIHKIANG	33	23	37	19	28	1.0	79	-45	CERES		21	7	28	-2	14	0.3	46	22		
	SHANGHAI	30	25	34	22	27	**	139	**	CORDOBA		21	6	29	-4	13	1.5	31	20		
	NANCHANG	33	26	38	23	30	0.3	52	-51	RIO CUARTO		19	7	28	-2	13	2.0	7	-10		
	TAIPEI	32	26	35	25	29	0.9	331	46	ROSARIO		19	6	25	-2	12	0.9	33	-6		
	CANTON	34	27	36	24	30	2.2	101	-127	BUENOS AIRES		18	6	24	-3	12	1.0	72	9		
	NANNING	34	26	37	23	30	2.4	92	-124	SANTA ROSA		18	4	26	-5	11	1.6	110	94		
CNRY I	LAS PALMAS	27	22	32	20	24	0.5	0	0	TRES ARROYOS		15	4	21	-4	9	1.2	73	31		
MORCCC	CASABLANCA	27	21	38	16	24	1.3	1	0	N CALD	NOUMEA	24	17	31	15	20	0.6	64	-6		
	MARRAKECH	37	21	43	17	29	1.2	3	1	FIJI	NAUSORI	25	19	30	16	22	-0.5	103	-95		
ALGERI	ALGER	33	19	39	14	26	0.9	0	-4	SAMOA	PAGO PAGO	29	25	32	22	27	1.0	169	-11		
	BATNA	35	15	38	10	25	0.9	30	10	TAHITI	PAPEETE	29	22	31	18	26	1.3	23	-22		
TUNISI	TUNIS	34	21	39	19	28	1.2	6	-2	N ZEAL	AUCKLAND	14	8	17	2	11	-0.2	210	85		
NIGER	NIAMEY	32	24	40	20	28	0.6	233	38	PA N G	PORT MORESBY	30	23	37	20	27	0.4	3	-25		
MALI	TIMBUKTU	36	26	43	22	31	0.7	71	-9	AUSTRL	DARWIN	31	22	33	18	26	0.4	0	-3		
	BAMAKO	31	22	35	20	27	0.7	204	-97	MOREE		19	5	26	1	12	0.0	55	17		
MAURIT	NOUAKCHOTT	34	25	44	20	29	0.6	0	-40	BRISBANE		21	10	26	6	16	-0.3	13	-33		
	SENEGL	30	25	32	22	28	0.4	59	-124	PERTH		17	9	23	2	13	-0.6	181	65		
CHAG A	DIEGO GARCIA	29	25	29	23	27	0.5	109	-75	CEDUNA		17	6	23	1	11	-0.6	78	41		
LIBYA	TRIPOLI	35	20	41	18	28	0.1	0	0	ADELAIDE		15	7	21	2	11	-0.8	123	74		
	BENGHAZI	30	21	36	17	26	-0.6	0	0	MELBOURNE		13	5	16	0	9	-1.8	66	12		
EGYPT	CAIRO	34	23	37	20																



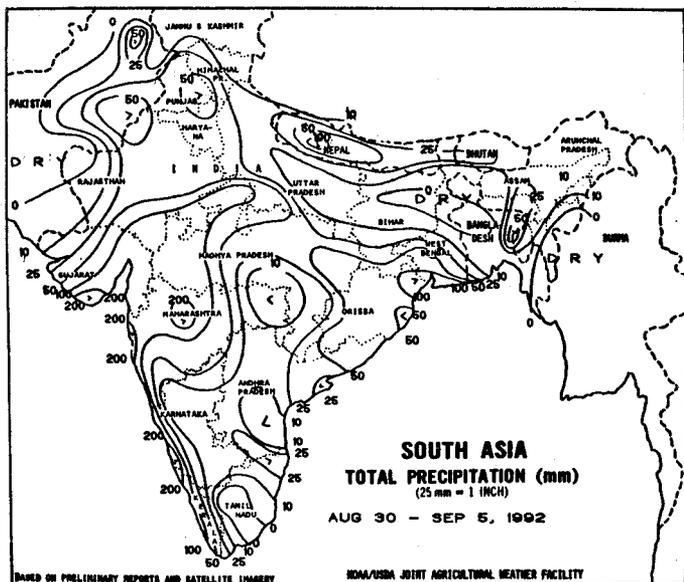
FSU - WESTERN: Substantial rain (14-25 mm, with local amounts in excess of 50 mm) covered the Baltic States, western Belarus, Northwest Region, spotty locations in Central Region, and western Ukraine. While the rain in these areas slowed summer crop harvests, it provided sufficient topsoil moisture for winter grain planting and emergence. Prolonged dryness continued over central and eastern Ukraine, and the northern tip of North Caucasus, favoring summer crop harvesting. September is the optimum month for planting winter grains in these areas, and rain is needed for uniform seed emergence and plant establishment. Elsewhere, little, if any, precipitation over the southern portion of Black Soils Region, parts of Volga Vyatsk Region, and Volga Valley, continued a dry weather pattern that has persisted since August. Average temperatures over the region were 2-4 degrees Celsius (C) above normal in the south and 5-7 degrees C above normal in the north.



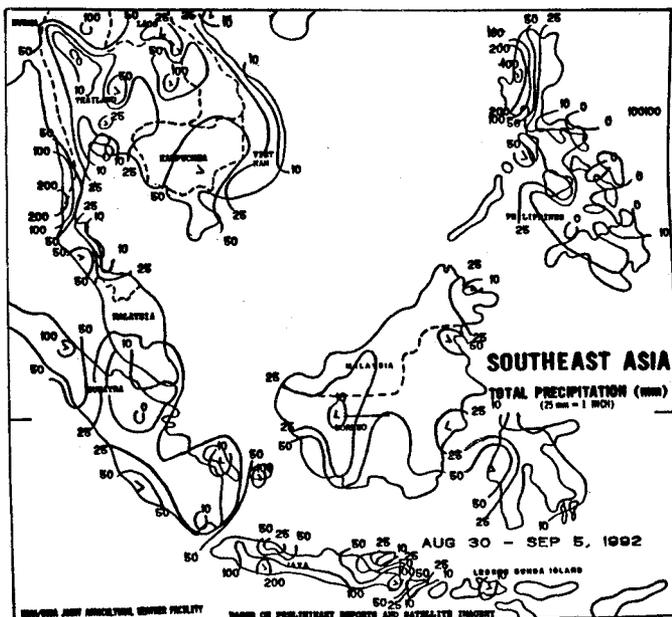
FSU - NEW LANDS: Drier weather (precipitation generally less than 10 mm) accompanied a warming trend in the Urals and central Kazakhstan, favoring spring grain maturation and harvest. In contrast, cold, damp weather covered eastern spring grain areas, slowing crop maturation and hampering harvest activities. Precipitation amounts in the east ranged from 15 to 46 mm. Average temperatures were 1-2 degrees C above normal in the west and 3-5 degrees C below normal in the east. In South Central cotton growing areas of the former Soviet Union, unseasonably cold weather slowed boll maturation. Average temperatures were 2-4 degrees C below normal. The cotton harvest usually begins in September and extends through November.



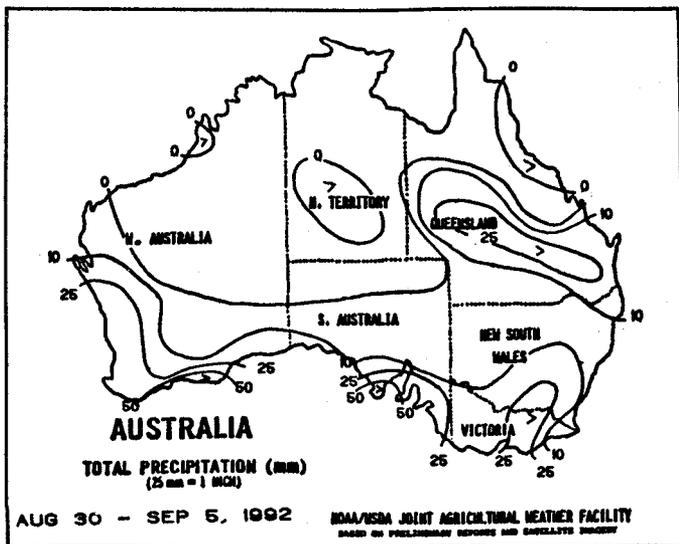
EUROPE: Widespread rain covered much of Europe, with dry weather limited to southwestern Spain, southern Italy, scattered areas of Bulgaria, and Greece. Rainfall averaging 25-50 mm or more was common in northwestern Spain, France, Italy's Po Valley, southwestern England, the Benelux countries, and Germany. In the east, rainfall was more variable, ranging from less than 10 mm to more than 50 mm across Poland to Romania and the northern Adriatic region. Average temperatures were near normal in the east and 2-4 degrees C below normal in the west. The cooler weather and showers eased the moisture deficit in the east. The wetness slowed corn harvesting but provided topsoil moisture for winter grain planting across much of northern Europe. Persistent showery weather in England hampered harvest activities.



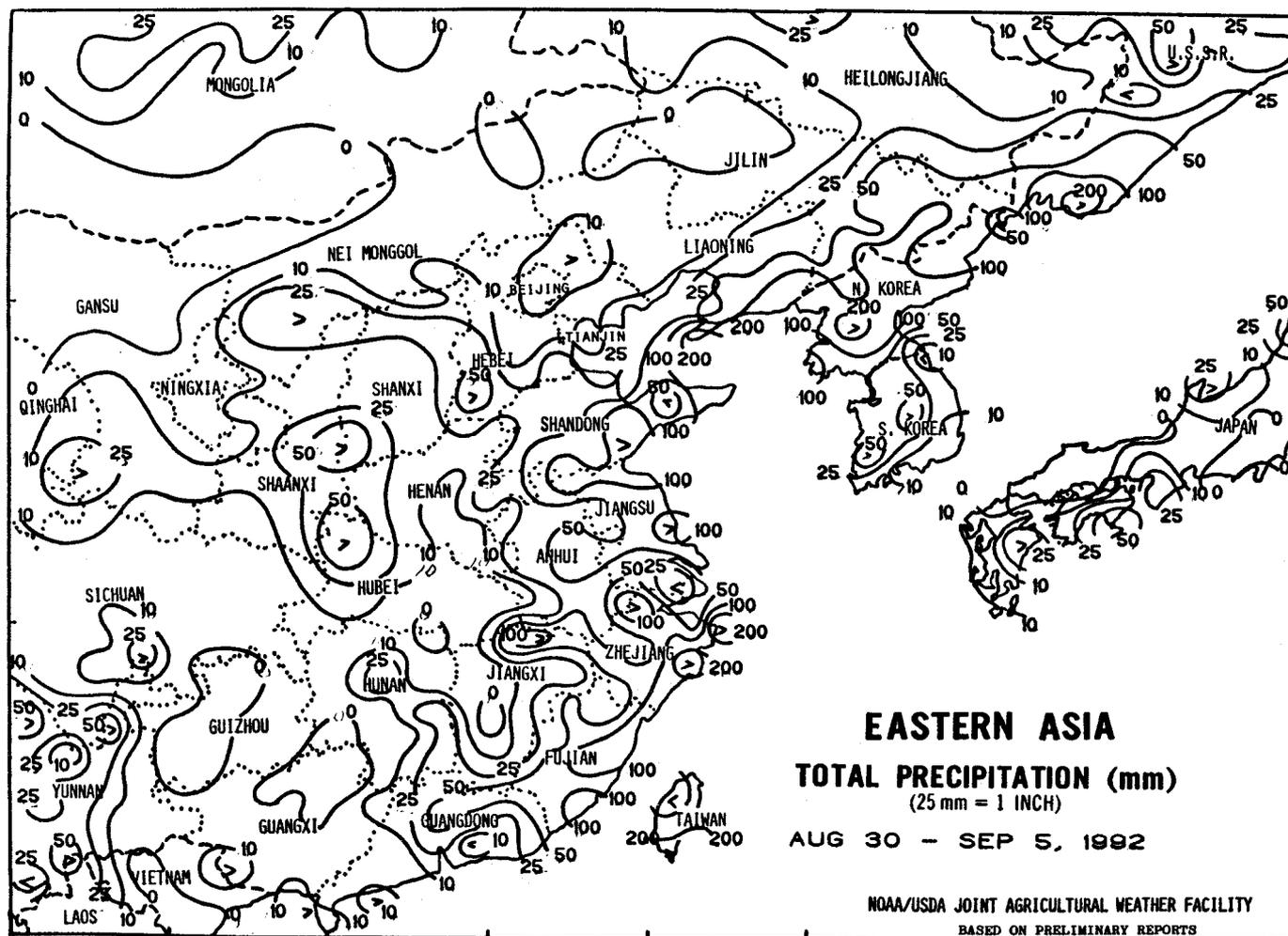
SOUTH ASIA: Moderate to heavy showers (50-100 mm or more) returned to crop regions of western and central India, benefiting reproductive to filling summer grains, oilseeds, and cotton. The rainfall was especially welcome in central and eastern Maharashtra, where rainfall has been consistently below normal since the monsoon's late onset. Following last week's beneficial rain, drier, warmer-than-normal weather dominated northern and eastern rain-fed rice areas from Uttar Pradesh through Bangladesh. However, moderate showers (20-55 mm) continued over north-central India and much of northeastern Pakistan, helping immature summer crops, most of which are irrigated. Scattered showers (3-29 mm) over India's southern interior moistened topsoils for fall plantings. As the monsoon withdraws from Pakistan and India, showers typically increase over India's southern states, peaking in intensity sometime in November.



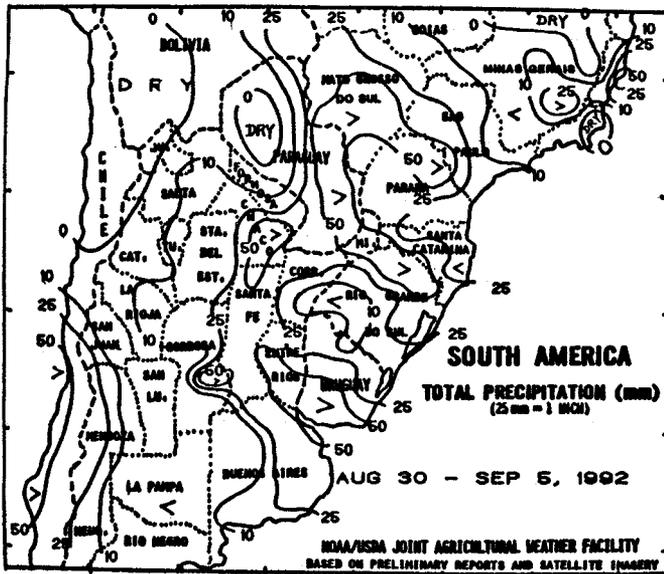
SOUTHEAST ASIA: Rainfall diminished over Indochina, with only isolated locations receiving more than 100 mm. Rainfall averaged less than 25 mm over many locations of central Thailand as well as most of Vietnam, although moderate showers (25-71 mm) continued over the Mekong Delta. Moderate to heavy showers (25-189 mm) were scattered over Malaysia and Indonesia, improving irrigation reserves over Java's primary rice regions for planting activities. In the Philippines, Typhoon Omar brought more inundating showers (100-300 mm or more) to western Luzon, on the heels of Tropical Storm Polly. However, rainfall from southern Luzon southward through Mindanao averaged less than 10 mm, worsening dryness for immature rice and corn.



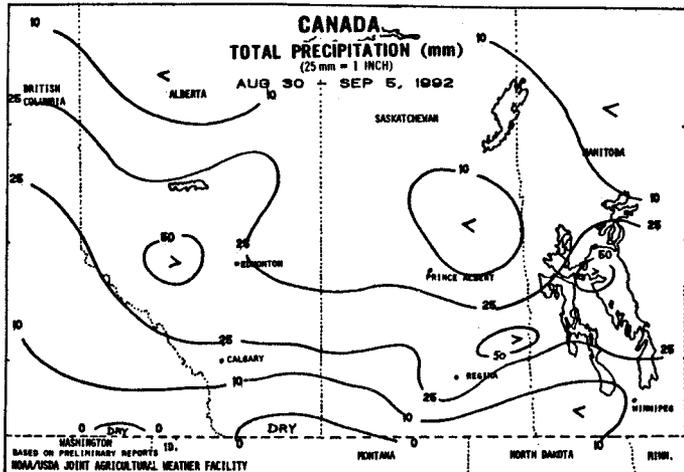
AUSTRALIA: Light to moderate rain (3-35 mm) fell across southern Queensland, benefiting vegetative winter grains. The rain was especially beneficial in Queensland, which has been undergoing long-term dryness. In New South Wales, northern crop areas received light rain (less than 5 mm), while the central and southern crop areas received greater amounts (12-31 mm), favoring vegetative wheat. Western Australia's winter wheat areas received 8-30 mm of rain, keeping soil moisture levels high. Light to moderate rain (7-18 mm) fell across the southern wheat areas, where adequate growing conditions exist. Temperatures averaged 2-5 degrees C below normal across the main wheat regions.



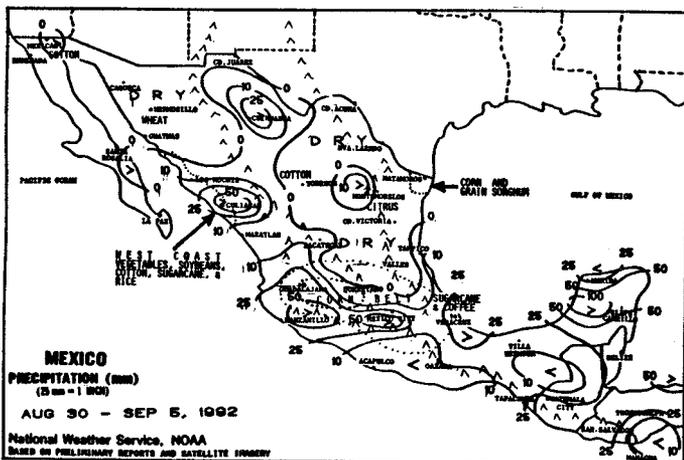
EASTERN ASIA: Tropical Storm Polly was the main rain event for most of eastern China this last week. The storm swept across Taiwan on August 30, with sustained winds of 30-35 knots (35-40 mph). The remnants slowly moved into southwest China, merged with a cold front, and moved northward into Shandong and finally across North Korea. The storm produced widespread moderate to heavy rain (52-114 mm, with isolated heavier amounts in excess of 200 mm) from Fujian northward to Shandong, generating local flooding. The moisture aided late-summer crops and reservoir levels, but the excessive rains could have damaged mature cotton. Portions of southern Liaoning and North Korea also received heavy rain (125-200 mm), causing flooding. Elsewhere, generally dry weather prevailed across southwestern and west-central China. Light to moderate rain (7-23 mm) fell in north-central China and Manchuria, favoring filling summer crops. Late in the week, Tropical Storm Omar brought more rain to Taiwan (96-368 mm from the two storms), with sustained winds of 45-55 knots (52-62 mph). Omar then weakened as it hit Fujian on September 5, bringing additional heavy rain and subsequent flooding to that province. Temperatures averaged 1-3 degrees C above normal across most of China.



SOUTH AMERICA: In Argentina, beneficial moderate showers (19-39 mm) fell across Santa Fe and the eastern half of Buenos Aires, aiding vegetative winter wheat. Drier weather prevailed in the western wheat areas, which should still be well-watered from previous rains. Widespread moderate showers covered southern Brazil, from northern Rio Grande do Sul to Mato Grosso do Sul, increasing pre-planting moisture for summer crops. Winter wheat should be nearing maturity with harvesting starting the next few weeks. Widespread rain (26-81 mm) fell across central Chile, favoring reservoir levels. Temperatures averaged 1-4 degrees C below normal in Argentina and near normal in southern Brazil.



CANADA: Cool, wet weather again dominated the Prairies, with freezing temperatures scattered throughout Alberta and Saskatchewan. Frost in Manitoba was still limited to northwestern growing districts, and no new areas appeared to have received their first frost. Showers (10-39 mm) hampered harvests and worsened quality prospects of crops already affected by recent damp conditions and a shortened growing season. Mostly light showers (10-33 mm) and slightly cooler-than-normal temperatures continued over Ontario and Quebec, improving moisture conditions but putting summer crops further behind in development.



MEXICO: Widespread moderate rain (21-64 mm) covered the western portions of the Southern Plateau corn belt, with the eastern areas receiving only scattered rain (6-40 mm). Corn yield prospects are good to excellent due to normal to above-normal seasonal rains. Moderate to heavy rain (37-103 mm) fell across the Yucatan Peninsula, aiding vegetative to reproductive corn. The northwest received beneficial drier weather after previous heavy rain. Temperatures averaged 1-3 degrees C above normal in the northern corn areas.

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(Continued from front cover)

Great Lakes States, and excessive rain to the **southeastern Plains**. Totals reached 5 inches in **southeastern Oklahoma**. Late in the week, isolated downpours affected the **East** and the **Southeast**, while a cold front gathered strength in **western Canada**. Flash flooding occurred in places such as **northern New Jersey** (3 inches of rain in 2 hours) and **Waycross, GA** (6 inches in 12 hours). Flooding also occurred in and near **Hilo, HI**, which received nearly 1 foot of rain during the week. On Saturday night, strong thunderstorms developed from **Minnesota** to **Oklahoma** along the leading edge of colder air. Up to 5 inches of rain inundated **southeastern Nebraska**, and 2.75 inches fell in **Waseca, MN**. Farther west, subfreezing cold threatened the **interior Northwest**.

Grain sorghum was heading entering August and coloring was advancing in the Delta and middle Mississippi Valley. Progress was ahead of schedule in the Delta, but behind schedule in the Great Plains and middle Mississippi Valley due to cooler-than-normal weather. Harvest began in the Delta during the month, but periodic rains limited progress. Harvest continued under more favorable conditions in southern Texas. Below-normal temperatures in the High Plains and Great Plains during the month kept sorghum development behind schedule. By August 30, heading was 89% complete in the 12 major producing States, 7 points behind both last year and the 5-year average. Coloring was 41% complete, compared with 57% last year and the 53% average. Harvest was halted or slowed by rains in the Gulf Coast States toward the end of the month.

(Continued from p. 9)

At the beginning of August, **cotton** progress was well behind normal in the southern Plains and was somewhat delayed in the Southeast. Squaring was well along, but progress of boll setting was behind schedule. Harvest was beginning in the Rio Grande Valley. Frequent rains in the Southeast during the month hurt crop condition, while hot weather in the Southwest promoted crop development. By August 30, cotton progress was near normal in the 14 major producing States. Bolls were opening on 24% of the acreage, matching last year's progress and lagging the historic average by just 2 points. Defoliation and picking were gaining momentum in the Southwest.

Development of the **rice** crop was ahead of schedule for the five major producing States entering August, despite delayed crops in Texas. Rice was over one-half headed in the five major States and harvest was underway in Louisiana and Texas. Periodic rainfall during the month caused some interruption to the Louisiana and Texas harvests, and Louisiana's harvest was halted altogether at month's end by the heavy rains accompanying hurricane Andrew. On August 30, harvest was 22% complete in the five major States, compared with 28% last year and 25% average. Harvest was over 50% complete in Louisiana and Texas, beginning in Arkansas and Missouri, and had yet to begin in California.

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