

WEEKLY WEATHER AND CROP BULLETIN

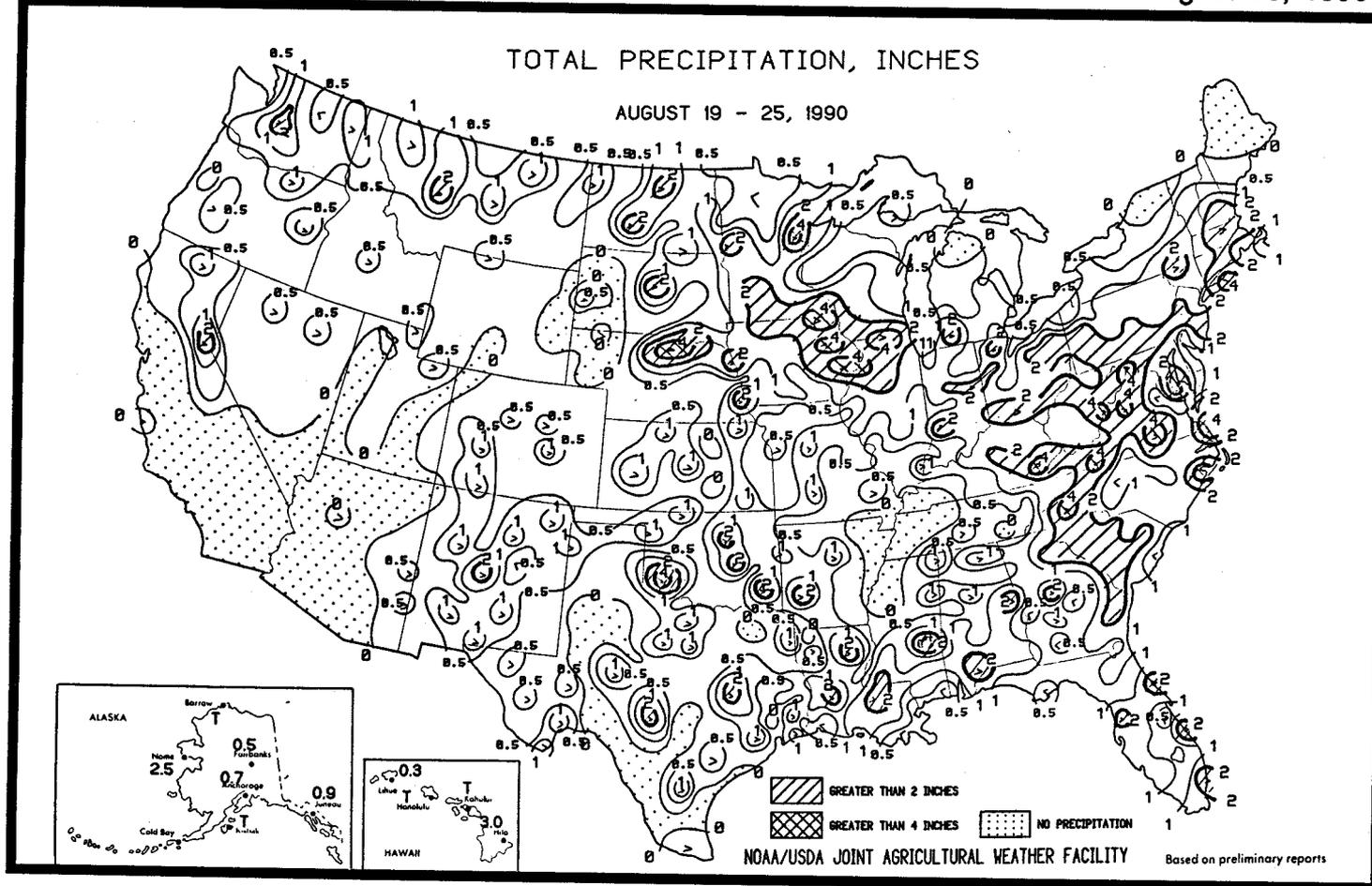
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HIGHLIGHTS

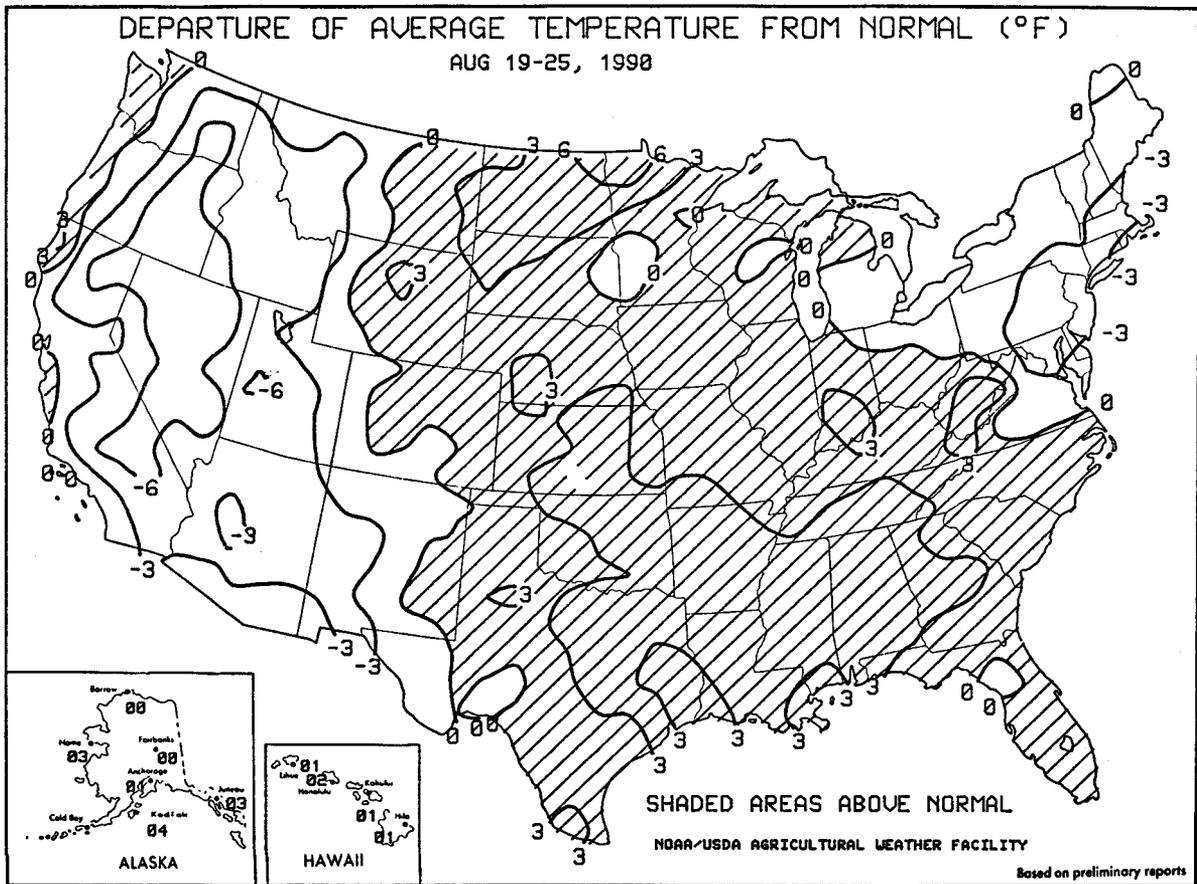
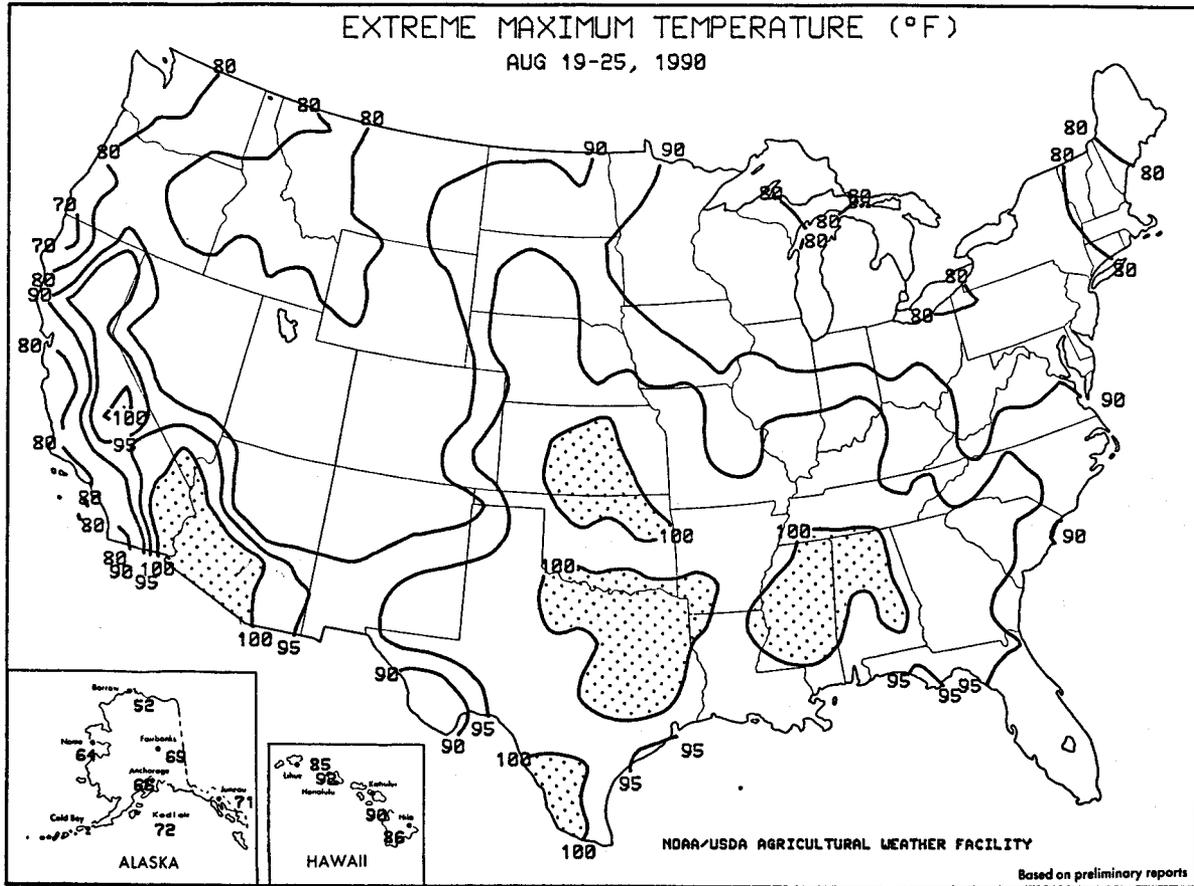
August 19 - 25, 1990

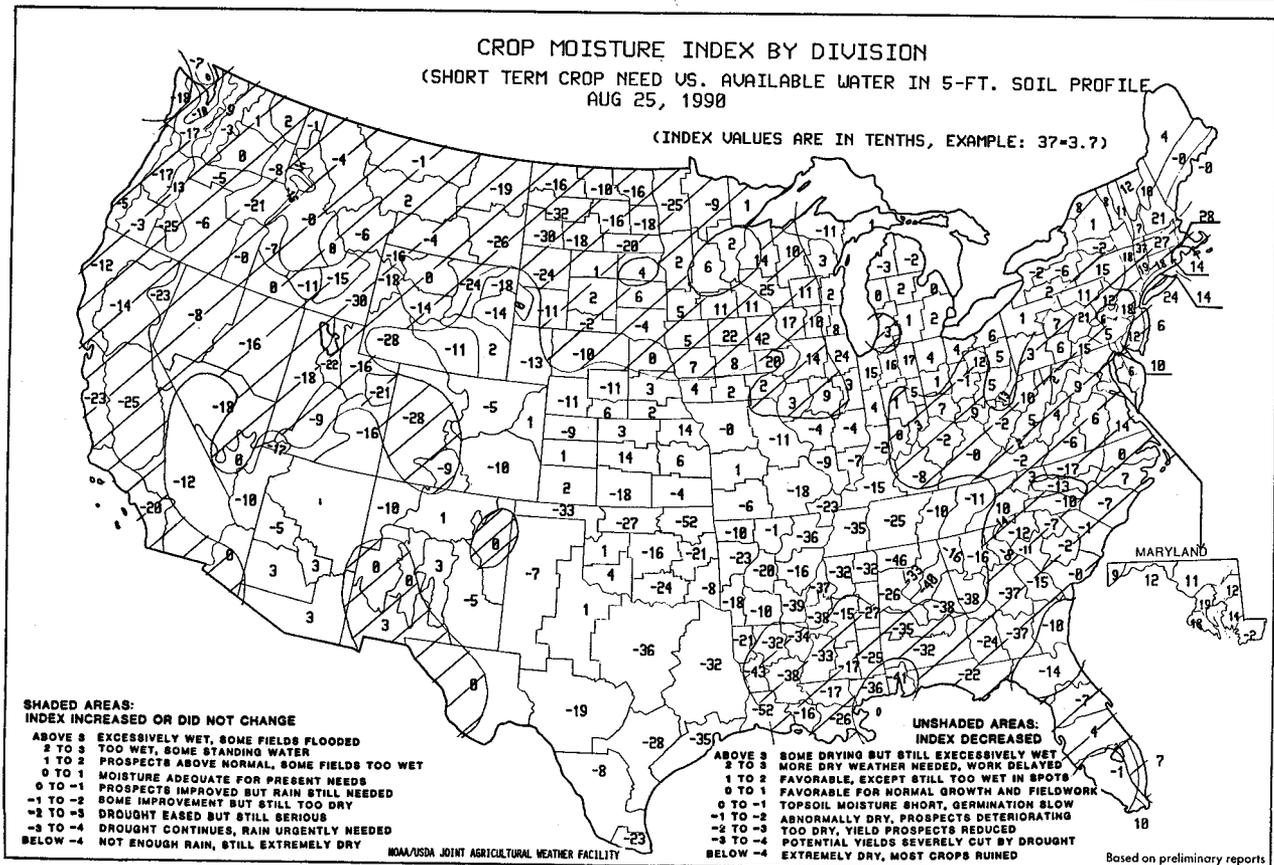
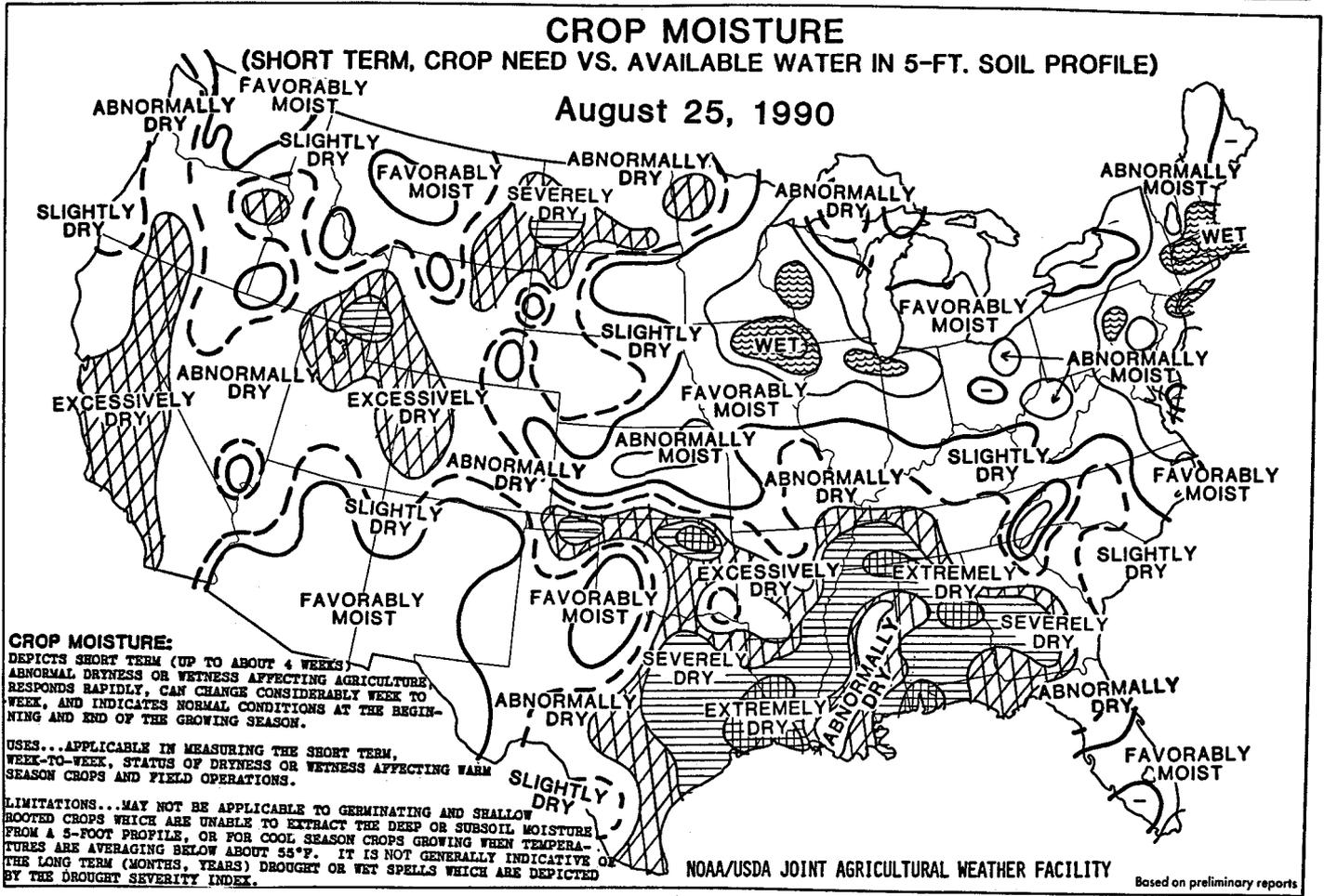
A stagnant upper level trough brought persistent overcast, rainy weather to much of the **eastern seaboard**. Rainfall in excess of 2 inches was common, with heavier rains causing floods in several locations. Up to 13.5 inches drenched isolated locations in **southeastern Virginia**. Heavy rains were once again common across the **Corn Belt**, with over 4 inches reported in parts of **Iowa** and **northern Illinois**. Thunderstorms relieved dryness in the **Gulf States**, though high temperatures boosted evaporation rates. Maximum temperatures exceeded 100° F from **Kansas** southward to **Texas** and eastward to **Alabama**. In contrast, temperatures were 3-6° F or more below normal across the **Intermountain Region**. Beneficial rain of 1-2 inches alleviated dryness in **Montana** and the **Dakotas**. In **Alaska**, unusually heavy rains pounded

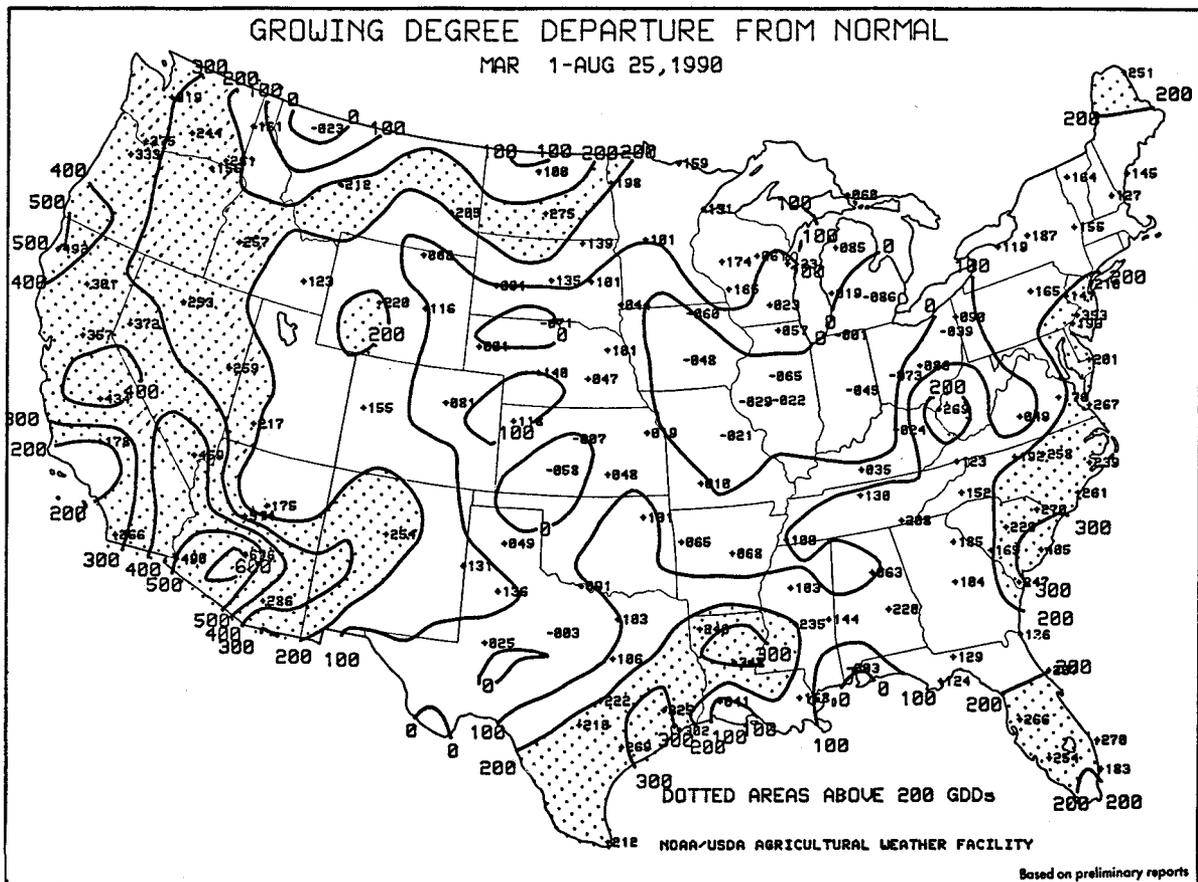
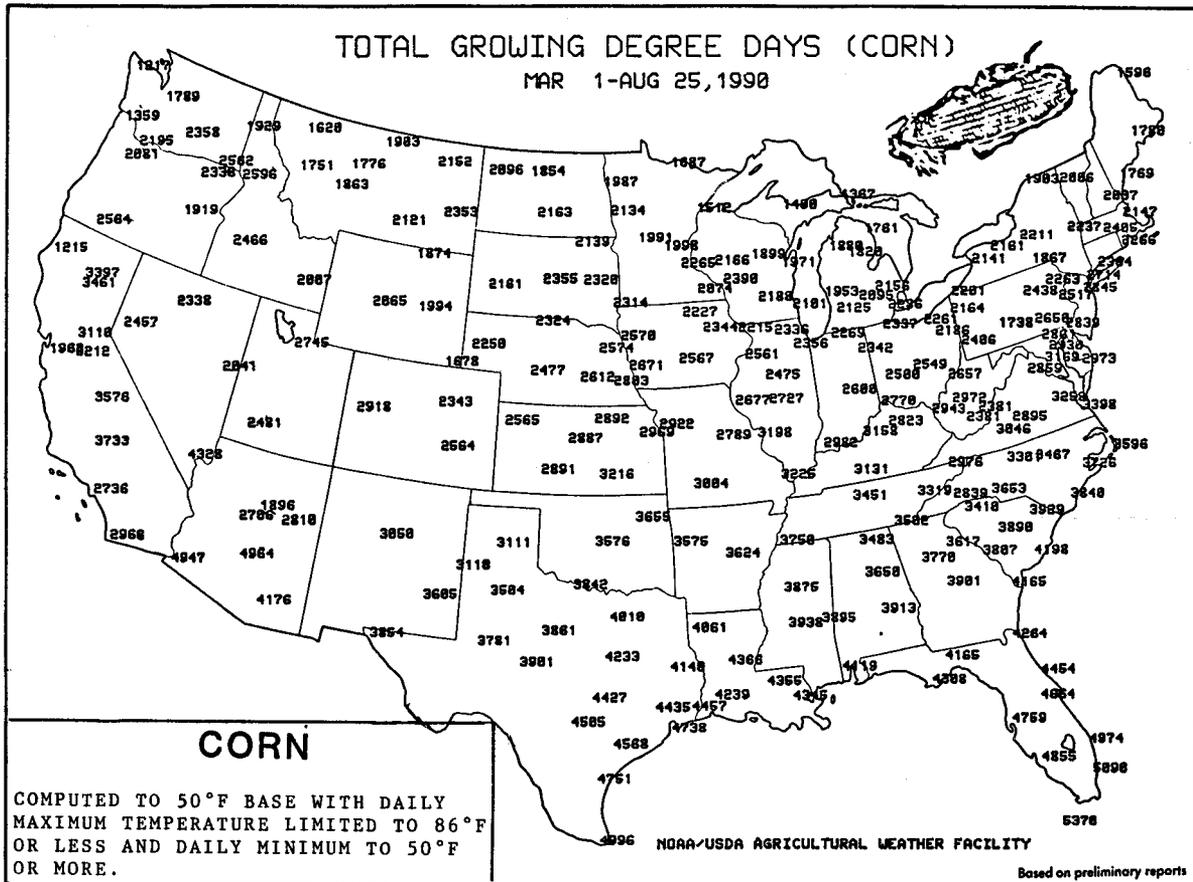
western areas on August 25-26 with rainfall ranging up to 1.5 inches.

Contents

	Page
Highlights & Total Precipitation	1
Extreme Maximum Temperature & Temperature Departure Maps	2
Crop Moisture Maps	3
Growing Degree Days and Departure Maps	4
National Weather Data for Selected Cities	5
National Agricultural Summary	8
Crop Progress and Condition Tables	9
State Summaries of Weather and Agriculture	10
International Weather and Crop Summary	17
Subscription and Mailing Permit Information ..	20







National Weather Data for Selected Cities

Weather Data for the Week Ending August 25, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	98	71	103	68	85	6	T	-1.8	T	5.8	48	32.4	85	86	34	7	0	1	0		
MOBILE	96	73	98	71	85	3	T	-1.2	T	6.2	34	45.0	100	97	45	7	0	4	0		
MONTGOMERY	98	73	101	70	85	4	T	.7	T	7.3	69	45.5	135	92	37	7	0	2	1		
AK ANCHORAGE	62	51	66	48	56	1	T	.7	T	3.4	72	7.7	95	97	68	0	0	4	0		
BARROW	43	31	52	28	37	0	T	T	T	1.8	90	2.2	78	97	73	0	5	1	0		
FAIRBANKS	62	49	69	39	55	0	T	.5	T	7.9	172	9.8	143	97	64	0	0	6	0		
JUNEAU	66	49	71	46	58	3	T	.9	T	15.7	143	31.6	113	95	54	0	0	1	1		
KODIAK	68	48	72	44	58	4	T	T	T	18.0	157	44.3	126	92	55	0	0	1	0		
NOME	57	48	64	40	52	3	T	2.5	T	1.8	160	14.6	166	95	74	0	0	6	2		
AZ PHOENIX	103	78	106	75	90	1	T	.0	T	.0	3.8	224	6.0	143	41	15	7	0	0		
PRESCOTT	84	51	87	48	68	2	T	.0	T	.0	7.6	116	12.3	97	61	15	0	0	0		
TUCSON	97	67	99	65	82	1	T	.0	T	.0	7.3	164	9.4	135	59	19	7	0	0		
YUMA	103	77	106	74	90	2	T	.0	T	.0	.8	170	1.3	95	48	14	7	0	0		
AR FORT SMITH	98	73	101	71	86	5	T	1.1	T	1.0	6.6	72	44.2	168	96	45	7	0	3		
LITTLE ROCK	95	74	97	72	85	4	T	.3	T	.2	5.9	61	41.2	126	83	53	7	0	1		
CA BAKERSFIELD	89	62	96	57	75	1	T	.0	T	.0	T	0	2.6	69	74	28	2	0	0		
EUREKA	66	57	69	56	61	4	T	.0	T	.0	1.0	114	21.2	94	94	76	0	0	0		
FRESNO	89	61	98	56	75	3	T	.0	T	.0	T	0	7.4	106	77	26	3	0	0		
LOS ANGELES	75	64	79	63	70	1	T	.0	T	.0	T	0	5.1	61	87	59	0	0	0		
REDDING	86	60	97	56	73	1	T	.0	T	.0	2.1	151	21.1	84	79	27	2	0	0		
SACRAMENTO	87	59	96	56	73	2	T	.0	T	.0	T	0	11.5	108	84	30	3	0	0		
SAN DIEGO	75	66	77	63	70	1	T	.0	T	.0	.9	870	5.9	91	79	61	0	0	0		
SAN FRANCISCO	74	59	81	57	66	3	T	.0	T	.0	T	8	7.9	64	89	52	0	0	0		
CO DENVER	86	57	90	54	72	1	T	.4	T	.4	5.5	115	12.4	109	77	22	1	0	3		
GRAND JUNCTION	86	61	90	57	74	1	T	.5	T	.2	3	1.7	105	4.7	95	50	17	1	0		
PUEBLO	89	55	94	48	72	1	T	.2	T	.3	1	6.1	134	12.4	152	90	26	2	0		
CT BRIDGEPORT	74	62	82	56	68	1	T	3.2	T	2.5	10.9	117	30.6	115	89	70	0	4	1		
HARTFORD	75	62	81	56	68	1	T	1.5	T	1.4	13.8	144	34.6	125	90	66	0	4	1		
DC WASHINGTON	78	67	90	62	72	2	T	1.3	T	.4	6	13.7	127	29.8	115	95	74	1	5		
FL APALACHICOLA	91	75	95	73	83	2	T	.4	T	1.3	4	14.0	78	27.3	77	95	63	4	0		
DAYTONA BEACH	90	73	94	72	82	1	T	2.6	T	1.1	2.2	14.5	86	26.4	85	97	57	3	1		
JACKSONVILLE	92	73	96	71	83	1	T	.7	T	1.1	7	11.6	63	20.6	58	96	54	7	0		
KEY WEST	92	80	93	74	86	1	T	1.1	T	.9	13.0	106	21.7	99	83	58	7	0	3		
MIAMI	92	75	94	72	84	1	T	4.0	T	2.3	2.6	21.7	105	40.1	111	91	55	6	0		
ORLANDO	92	74	95	73	83	0	T	1.1	T	1.1	5	16.4	81	25.0	72	95	52	5	0		
TALLAHASSEE	94	72	98	70	83	2	T	.6	T	1.0	5	12.3	58	31.4	69	99	53	7	0		
TAMPA	91	74	94	73	83	0	T	1.1	T	1.1	6	18.1	96	28.1	86	96	59	5	0		
WEST PALM BEACH	93	75	95	74	84	1	T	.9	T	1.1	4	23.1	125	37.1	104	97	55	6	0		
GA ATLANTA	92	73	97	70	83	5	T	.6	T	1.1	6	8.6	79	43.2	125	92	50	5	0		
AUGUSTA	94	71	99	69	83	3	T	2.3	T	1.4	1.5	7.2	63	17.6	56	100	52	6	0		
MACON	95	73	100	71	84	3	T	.4	T	1.4	2	5.4	48	22.4	69	96	46	6	0		
SAVANNAH	91	73	93	72	82	2	T	1.6	T	1.2	1.2	10.1	55	24.7	68	95	56	5	0		
HI HILO	85	70	86	67	77	1	T	3.0	T	.8	1.5	28.1	122	95.5	117	95	66	0	5		
HONOLULU	90	76	92	73	83	2	T	T	T	.6	T	38	10.4	74	77	46	6	0			
KAHULUI	89	71	90	69	80	1	T	-1.1	T	1.4	1.4	164	15.4	127	96	60	2	0			
LIBUE	84	75	85	74	80	1	T	.3	T	1.1	2.3	44	21.1	82	77	59	0	0			
ID BOISE	77	54	81	51	65	5	T	.4	T	1.0	66	9.6	128	87	35	0	0	3			
LEWISTON	76	58	81	53	67	4	T	.2	T	1.3	50	7.9	94	74	37	0	0	3			
POCATELLO	78	47	82	42	62	5	T	.1	T	1.1	1.6	82	7.5	105	84	28	0	0			
IL CHICAGO	78	67	84	64	73	2	T	2.0	T	1.2	1.1	14.0	135	30.0	131	97	73	0	0		
MOLINE	82	67	93	63	74	2	T	4.1	T	3.3	3.1	19.2	157	40.7	157	98	69	1	0		
PEORIA	81	66	92	64	74	2	T	3.6	T	2.8	2.3	21.8	206	39.6	164	100	75	1	0		
QUINCY	83	69	91	67	76	3	T	.3	T	1.1	1.1	12.1	105	29.1	113	98	64	1	0		
ROCKFORD	80	64	85	55	72	2	T	4.1	T	3.3	3.7	20.3	168	33.8	135	94	66	0	0		
SPRINGFIELD	83	69	92	65	76	3	T	.7	T	1.1	1.1	17.5	175	37.1	157	92	62	1	0		
IN EVANSVILLE	88	67	96	61	78	2	T	.3	T	1.1	1.1	7.4	74	34.5	119	98	55	2	0		
FORT WAYNE	79	64	89	59	71	1	T	.3	T	1.1	1.1	15.6	160	35.7	150	99	71	0	0		
INDIANAPOLIS	85	66	94	61	76	3	T	.5	T	1.1	1.1	10.2	92	31.2	115	98	61	1	0		
SOUTH BEND	78	65	86	59	71	1	T	1.2	T	1.1	1.1	13.8	128	32.1	128	99	71	0	0		
IA DES MOINES	84	68	92	65	76	3	T	.6	T	1.1	1.1	19.7	185	35.7	162	96	67	1	0		
SIOUX CITY	81	65	92	62	73	1	T	1.2	T	1.1	1.1	8.8	88	20.7	109	98	70	2	0		
WATERLOO	79	65	86	62	72	3	T	2.9	T	1.1	1.1	22.8	190	36.0	153	100	76	0	0		
KS CONCORDIA	93	70	101	63	81	5	T	T	T	9.2	89	21.5	108	89	45	4	0	1			
DODGE CITY	95	66	101	64	80	3	T	1.0	T	1.1	1.1	5.3	65	18.3	117	90	31	6	0		
GOODLAND	89	61	97	57	75	3	T	.4	T	1.1	1.1	7.8	116	15.4	124	91	33	4	0		
TOPEKA	89	69	94	64	79	3	T	.3	T	1.1	1.1	14.3	118	27.1	116	94	59	3	0		
WICHITA	96	72	103	70	84	6	T	T	T	5.7	57	14.0	71	86	36	6	0	0			
KY BOWLING GREEN	88	67	94	59	78	1	T	.2	T	1.1	1.1	7.5	65	28.7	84	99	52	2	0		
LEXINGTON	85	68	94	63	77	2	T	1.1	T	1.1	1.1	13.3	106	30.5	94	99	62	3	0		
LOUISVILLE	90	70	97	66	80	4	T	1.9	T	1.1	1.1	10.7	104	39.2	131	91	48	3	0		
LA ALEXANDRIA	97	76	99	74	86	4	T	.8	T	1.1	1.1	7.1	60	41.1	112	89	47	7	0		
BATON ROUGE	95	75	97	72	85	4	T	2.8	T	1.1	1.1	18.9	131	50.3	129	98	49	7	0		
LAKE CHARLES	94	75	96	73	84	3	T	.4	T	1.1	1.1	8.1	59	34.8	102	100	54	7	0		
NEW ORLEANS	96	73	98	71	84	3	T	.1	T	1.1	1.1	5.0	31	40.5	100	98	52	7	0		

Based on 1951-80 normals

Weather Data for the Week Ending August 25, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	05 INCH OR MORE	01 INCH OR MORE	05 INCH OR MORE
SHREVEPORT	98	74	100	71	86	4	T	-6	T	9.0	99	45.6	154	94	42	7	0	0	0	0	
ME CARIBOU	77	48	85	38	63	1	1	-9	0	11.2	108	23.4	103	95	49	0	0	0	0	0	
PORTLAND	73	53	79	44	63	3	3	-5	1	9.2	114	26.7	101	95	53	0	0	0	0	0	
MD BALTIMORE	76	65	87	61	71	1	1	8	7	14.4	126	31.2	112	97	75	0	0	0	0	0	
SALISBURY	78	66	88	64	72	2	2	-4	5	8.2	65	27.8	93	100	77	0	0	0	0	0	
MA BOSTON	70	60	75	55	65	6	6	-6	1.5	11.3	132	32.8	119	94	70	0	0	0	0	0	
CHATHAM	70	62	75	58	66	1	1	-1	5	8.0	89	31.5	108	93	81	0	0	0	0	0	
MI ALPENA	73	56	85	51	65	5	5	-7	T	9.3	107	20.9	111	95	62	0	0	0	0	0	
DETROIT	75	64	83	60	69	9	9	-1	T	9.9	109	25.1	120	97	71	0	0	0	0	0	
FLINT	74	62	83	58	68	0	0	7	-1	8.0	91	19.2	98	96	70	0	0	0	0	0	
GRAND RAPIDS	73	61	84	59	68	2	2	-1	5	10.1	112	23.2	108	99	75	0	0	0	0	0	
HOUGHTON LAKE	73	56	82	50	64	0	0	2	-5	8.4	101	19.3	106	96	66	0	0	0	0	0	
LANSING	74	60	83	56	67	1	1	2	-6	9.6	96	19.9	102	99	74	0	0	0	0	0	
MARQUETTE	72	52	81	41	62	1	1	7	0	7.7	80	19.9	83	93	61	0	0	0	0	0	
MUSKOGON	74	61	82	59	68	1	1	4	-4	6.1	83	21.1	108	96	69	0	0	0	0	0	
SAULT ST. MARIE	75	52	78	46	63	1	1	3	-6	8.8	99	20.8	104	98	53	0	0	0	0	0	
MN ALEXANDRIA	73	60	87	52	66	1	1	2	4	5	7.7	17.3	97	99	71	0	0	0	0	0	
DULUTH	71	53	83	43	62	0	0	6	7	1.6	12.4	110	108	95	60	0	0	0	0	0	
INT'L FALLS	79	54	87	41	67	5	5	2	-4	1	10.6	108	15.6	94	95	46	0	0	0	0	
MINNEAPOLIS	77	63	89	59	70	0	0	T	-8	T	16.4	156	28.1	147	94	65	0	0	0	0	
ROCHESTER	76	62	85	59	69	2	2	3.2	2.4	2.2	22.6	216	196	98	75	0	0	0	0	0	
MS GREENWOOD	98	73	100	70	85	5	5	T	-6	T	7.8	77	34.6	95	93	44	7	0	0	0	0
JACKSON	100	72	101	70	86	5	5	1	-7	0	3.7	35	37.8	105	100	42	7	0	0	0	0
MERIDIAN	98	71	103	67	84	4	4	1.5	-8	1.1	8.8	76	51.3	137	96	41	7	0	0	0	0
MO CAPE GIRARDEAU	88	69	96	63	78	1	1	T	-8	T	5.4	53	35.0	116	97	55	3	0	0	0	0
COLUMBIA	87	69	93	64	78	2	2	3	-4	3	16.9	180	43.4	175	97	59	3	0	0	0	0
KANSAS CITY	88	69	96	64	79	1	1	2	-6	2	15.7	133	32.8	133	96	55	3	0	0	0	0
SAINT LOUIS	87	72	96	69	79	3	3	2	-3	2	8.0	84	28.3	120	89	58	3	0	0	0	0
SPRINGFIELD	91	69	97	63	80	4	4	3	-4	2	9.2	87	43.9	169	96	49	3	0	0	0	0
MT BILLINGS	81	57	86	53	69	0	0	1	-1	1	2.0	54	9.3	88	84	34	0	0	0	0	0
GLASGOW	82	58	89	51	70	2	2	1.0	-8	1.0	2.9	55	5.3	62	84	36	0	0	0	0	0
GREAT FALLS	72	52	81	47	62	1	1	1.6	1.3	6	5.4	111	12.4	108	91	50	0	0	0	0	0
HAVRE	77	55	83	49	66	1	1	1	-2	1	2.2	50	5.4	61	89	41	0	0	0	0	0
HELENA	73	51	79	48	62	3	3	2.1	1.8	8	3.9	96	7.4	86	93	45	0	0	0	0	0
KALISPELL	72	51	83	44	62	1	1	1.9	1.6	9	5.5	130	15.6	148	94	48	0	0	0	0	0
MILES CITY	86	60	93	57	73	2	2	3	0	2	3.0	56	7.1	66	84	33	3	0	0	0	0
MISSOULA	68	52	71	48	60	5	5	7	5	3	3.6	105	10.4	116	98	58	0	0	0	0	0
NE GRAND ISLAND	86	65	92	60	75	2	2	4	-2	2	15.0	178	23.4	134	97	59	2	0	0	0	0
LINCOLN	87	68	96	64	78	3	3	1	-7	0	13.4	136	22.6	112	91	59	3	0	0	0	0
NORFOLK	83	65	92	59	74	2	2	1.0	4	5	15.1	156	22.6	123	97	62	2	0	0	0	0
NORTH PLATTE	89	61	98	56	75	4	4	2	-2	2	5.7	69	13.1	85	97	41	2	0	0	0	0
OMAHA	85	68	94	63	76	2	2	T	-9	T	10.6	96	19.3	89	91	69	2	0	0	0	0
SCOTTSBLUFF	88	56	95	49	72	2	2	2	0	2	5.4	95	14.1	122	91	30	3	0	0	0	0
VALENTINE	85	60	97	56	72	2	2	5	-1	3	7.4	100	14.9	109	86	31	2	0	0	0	0
NV ELY	78	40	84	32	59	5	5	T	-1	T	1.4	71	6.7	109	58	14	0	0	0	0	0
LAS VEGAS	95	71	100	67	83	4	4	0	-1	0	1.6	168	3.3	125	30	11	7	0	0	0	0
RENO	78	49	88	44	63	3	3	1	0	1	1.1	145	4.3	89	76	23	0	0	0	0	0
WINNEMUCCA	77	47	85	40	62	6	6	9	8	6	1.3	94	5.3	105	84	26	0	0	0	0	0
NH CONCORD	73	53	78	47	63	3	3	3.8	3.1	3.2	11.1	130	26.3	116	100	59	0	0	0	0	0
NJ ATLANTIC CITY	74	65	84	61	69	4	4	2.6	1.6	1.7	10.4	98	26.0	94	100	83	0	0	0	0	0
NM ALBUQUERQUE	85	59	89	54	72	3	3	3	-1	2	4.1	134	7.3	143	77	28	0	0	0	0	0
CLOVIS	89	64	95	61	77	1	1	9	3	4	3.6	47	7.2	61	91	29	3	0	0	0	0
ROSWELL	92	65	97	61	79	1	1	3	-1	2	2.5	58	4.9	74	87	29	5	0	0	0	0
NY ALBANY	74	57	80	50	66	3	3	1.3	6	9	10.4	117	31.8	140	97	64	0	0	0	0	0
BINGHAMTON	68	57	80	53	63	4	4	1.1	3	5	9.0	93	25.5	107	100	79	0	0	0	0	0
BUFFALO	75	61	84	58	68	0	0	6	4	4	9.5	105	30.9	133	92	62	0	0	0	0	0
NEW YORK	75	64	83	58	70	5	5	1.3	3	7	12.6	122	33.9	123	93	70	0	0	0	0	0
ROCHESTER	74	61	84	59	68	1	1	1	7	1	9.2	117	25.7	127	96	64	0	0	0	0	0
SYRACUSE	74	60	83	54	67	2	2	4	5	2	8.9	96	28.4	113	98	64	0	0	0	0	0
NC ASHEVILLE	86	65	93	62	76	3	3	5.6	4.6	4.5	14.3	129	38.6	130	100	57	2	0	0	0	0
CHARLOTTE	89	71	96	70	80	3	3	6	3	4	5.9	56	26.0	87	94	54	4	0	0	0	0
GREENSBORO	86	69	95	67	78	2	2	6	3	5	3.5	30	23.7	82	97	57	2	0	0	0	0
HATTERAS	87	73	90	69	80	1	1	1.4	1	5	8.9	61	33.8	98	94	64	1	0	0	0	0
NEW BERN	88	71	94	70	80	1	1	5.8	4.4	1.9	14.4	84	38.1	106	99	61	2	0	0	0	0
RALEIGH	88	70	93	69	79	2	2	5	-5	3	5.8	50	26.9	93	97	62	3	0	0	0	0
WILMINGTON	91	71	94	69	81	1	1	1.5	1	1.4	17.3	93	37.2	101	97	56	6	0	0	0	0
ND BISMARCK	85	60	92	56	73	5	5	1.1	7	9	7.6	119	10.7	91	95	46	2	0	0	0	0
FARGO	81	61	91	53	71	4	4	2	-4	2	7.7	89	13.1	91	91	55	1	0	0	0	0
GRAND FORKS	84	60	93	54	72	6	6	9	3	3	7.5	95	12.8	97	92	45	2	0	0	0	0
WILLISTON	82	59	92	55	71	4	4	1.0	7	8	4.6	82	8.1	80	93	47	2	0	0	0	0
OH AKRON-CANTON	74	62	83	60	68	1	1	3.3	2.6	2.6	19.8	199	40.6	164	100	78	0	0	0	0	0
CINCINNATI	84	67	93	63	76	2	2	2.4	1.8	1.9	12.1	112	35.9	129	97	60	2	0	0	0	0
CLEVELAND	75	64	81	60	69	2	2	8	1	8	12.1	127	30.7	129	98	77	0	0	0	0	0
COLUMBUS	83	66	92	62	75	3	3	1.0	2	8	15.1	137	33.8	129	97	62	1	0	0	0	0

Based on 1951-80 normals

Weather Data for the Week Ending August 25, 1990

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	81	66	89	60	74	1	.8	.2	.6	14.7	152	37.8	155	98	66	0	0	3	1
TOLEDO	77	62	84	58	69	0	1.0	.3	.7	8.3	90	26.0	121	100	73	0	0	2	1
YOUNGSTOWN	74	61	81	59	68	-1	1.1	-.6	.1	12.9	125	28.4	113	98	75	0	0	2	1
OK OKLAHOMA CITY	95	73	98	69	84	4	.4	-.2	.4	7.1	80	28.9	135	87	42	7	0	0	0
TULSA	98	75	102	73	86	5	.2	-.1	.1	3.1	30	27.2	105	85	39	7	0	3	0
OR ASTORIA	68	55	74	50	62	1	.3	-.1	.1	4.7	99	46.3	121	97	68	0	0	4	0
BURNS	70	45	78	37	57	-9	.3	.2	.2	.6	52	3.8	63	87	37	0	0	3	0
MEDFORD	82	53	89	46	68	-3	.4	.3	.2	1.0	81	9.2	85	90	28	0	0	2	0
PENDLETON	72	55	76	47	64	-7	.6	.5	.5	1.4	98	7.0	95	76	38	0	0	3	0
PORTLAND	75	58	85	50	67	0	.3	-.1	.2	2.8	102	21.4	103	91	48	0	0	5	0
SALEM	77	54	86	42	65	0	1.1	-.1	.1	1.9	92	21.7	97	92	43	0	0	1	0
PA ALLENTOWN	73	60	86	56	66	-5	1.0	-.0	.4	12.4	112	29.9	104	98	77	0	0	7	0
ERIE	74	63	78	62	68	0	.3	-.6	.3	8.5	81	27.1	111	96	77	0	0	2	0
HARRISBURG	73	62	87	55	68	-6	2.7	1.9	1.6	9.6	100	28.1	110	99	74	0	0	4	2
PHILADELPHIA	76	65	89	62	71	-4	1.1	.1	.4	9.4	85	26.8	97	99	77	0	0	5	0
PITTSBURGH	75	63	84	60	69	-1	2.4	1.7	1.9	14.4	145	32.1	126	99	77	0	0	3	1
SCRANTON	72	60	82	54	66	-4	1.3	.5	.4	14.2	149	30.4	135	97	73	0	0	7	0
RI PROVIDENCE	75	61	79	56	68	-2	1.3	.4	1.2	8.3	92	29.5	104	95	65	0	0	4	1
SC CHARLESTON	91	73	94	71	82	2	.8	-.7	.5	14.6	76	30.5	82	98	60	5	0	3	0
COLUMBIA	92	71	97	69	82	2	1.4	.1	.8	12.6	88	25.2	71	99	54	6	0	4	1
FLORENCE	92	72	96	70	82	2	2.0	1.0	1.1	7.6	53	17.2	55	97	55	5	0	3	2
GREENVILLE	89	69	97	67	79	2	2.2	1.3	1.7	8.6	71	30.5	87	100	55	3	0	5	1
SD ABERDEEN	80	61	90	57	71	1	1.1	.7	.9	12.1	169	16.7	122	97	61	1	0	5	1
HURON	80	63	93	57	72	1	.3	-.1	.2	10.5	147	20.7	146	97	63	1	0	5	0
RAPID CITY	89	57	97	54	73	3	.2	-.1	.2	4.8	74	12.3	94	89	30	4	0	1	0
SIOUX FALLS	78	64	90	59	71	0	.7	-.0	.4	7.7	87	15.6	90	98	71	1	0	5	0
TN CHATTANOOGA	94	70	98	67	82	0	5	T	-.8	T	10.2	96	46.2	131	98	42	7	0	0
KNOXVILLE	90	69	96	67	80	3	.5	-.1	.5	12.1	113	37.9	116	97	50	4	0	2	0
MEMPHIS	94	74	98	71	84	4	.0	-.8	.0	6.0	57	36.0	101	86	47	7	0	0	0
NASHVILLE	94	70	100	63	82	4	T	-.8	T	9.3	91	24.5	74	93	40	4	0	0	0
TX ABILENE	96	73	98	72	85	3	.5	-.1	.5	5.4	82	21.8	143	74	32	7	0	2	0
AMARILLO	91	64	95	60	77	1	.3	-.4	.3	6.2	72	13.6	95	87	33	5	0	1	0
AUSTIN	99	75	102	75	87	3	T	-.6	T	5.0	75	18.7	96	92	32	7	0	0	0
BEAUMONT	95	74	99	72	84	1	.1	-1.2	.1	11.8	77	47.3	132	98	52	7	0	2	0
BROWNSVILLE	95	77	96	75	86	2	.1	-.7	.1	4.5	71	10.7	81	90	47	7	0	2	0
CORPUS CHRISTI	96	76	97	74	86	2	T	-1.0	T	3.2	36	15.2	84	91	46	7	0	0	0
DEL RIO	96	74	98	73	85	0	.0	-.4	.0	4.6	98	16.5	158	69	31	7	0	0	0
EL PASO	89	64	95	60	77	-3	.6	.3	.5	6.0	194	7.2	156	89	35	4	0	3	1
FORT WORTH	99	74	104	72	87	3	.2	-.2	.2	6.9	114	36.1	177	84	35	7	0	1	0
GALVESTON	92	81	93	79	87	3	T	-1.0	.1	6.0	57	24.7	102	84	55	6	0	1	0
HOUSTON	99	74	100	72	86	4	T	-1.0	T	7.8	70	29.9	103	92	35	7	0	0	0
LUBBOCK	93	68	97	64	81	3	.0	-.5	.0	5.0	73	11.0	90	82	34	7	0	0	0
MIDLAND	95	67	98	65	81	1	T	-.4	T	3.8	88	8.4	97	87	31	7	0	0	0
SAN ANGELO	96	68	98	65	82	0	.8	-.3	.8	5.2	117	17.4	160	86	31	7	0	1	1
SAN ANTONIO	96	76	97	75	86	3	.0	-.7	.0	10.8	155	27.6	153	90	38	7	0	0	0
VICTORIA	95	75	97	74	85	2	.6	-.3	.6	15.6	163	27.2	123	96	47	7	0	1	1
WACO	103	76	105	73	90	4	.1	-.3	.1	2.7	47	22.5	113	86	29	7	0	2	0
WICHITA FALLS	101	73	102	70	87	3	T	-.5	T	7.0	109	31.2	179	84	33	7	0	1	0
UT CEDAR CITY	81	53	84	48	67	-4	.0	-.3	.0	1.1	45	6.6	97	42	15	0	0	0	0
SALT LAKE CITY	84	58	89	52	71	-3	T	-.2	T	1.8	73	7.7	74	62	20	0	0	1	0
VT BURLINGTON	77	56	83	47	66	0	T	-.9	T	11.5	114	25.0	116	92	50	0	0	0	0
VA NORFOLK	82	71	90	69	76	-1	5.5	4.3	4.3	19.2	149	36.3	120	96	73	1	0	5	1
RICHMOND	81	67	91	63	74	-2	.2	-.8	.1	13.5	105	30.9	106	98	69	1	0	4	0
ROANOKE	81	67	92	64	74	-1	1.8	.9	.9	9.1	91	27.1	103	100	74	1	0	4	2
WA QUILLAYUTE	68	53	72	45	61	2	.2	-.5	.1	8.4	110	60.2	103	99	65	0	0	4	0
SEATTLE-TACOMA	72	55	77	50	64	0	.2	-.2	.1	3.9	128	24.2	116	94	52	0	0	3	0
SPOKANE	71	52	80	43	62	-5	1.0	.9	.7	4.6	203	13.3	132	96	46	0	0	4	1
YAKIMA	76	53	81	45	64	-4	1.9	1.8	1.7	2.3	231	5.4	116	91	43	0	0	2	1
WV BECKLEY	81	64	86	60	73	5	1.4	.6	.8	10.1	87	26.9	92	98	62	0	0	3	2
CHARLESTON	84	66	92	64	75	2	1.9	1.0	.9	10.9	90	27.2	91	98	62	2	0	4	2
HUNTINGTON	85	67	93	63	76	2	1.9	1.1	1.3	11.8	104	32.3	112	100	63	2	0	3	1
PARKERSBURG	81	67	88	64	74	1	2.5	1.7	1.8	15.2	140	33.9	127	100	73	0	0	4	2
WI GREEN BAY	74	60	84	55	67	0	.8	.0	.6	15.5	174	25.2	134	97	66	0	0	2	1
LACROSSE	78	63	87	59	71	1	3.3	2.4	1.9	18.6	171	29.6	140	97	67	0	0	3	2
MADISON	76	63	86	56	69	1	1.7	.9	.9	13.0	121	27.0	127	98	73	0	0	4	1
MILWAUKEE	74	66	86	64	70	1	.5	-.1	.3	12.7	132	30.1	143	96	74	0	0	3	0
WAUSAU	74	56	83	51	65	-1	1.2	.3	.6	14.4	129	24.5	113	99	64	0	0	4	0
WY CASPER	84	54	87	48	69	1	T	-.1	T	4.1	148	8.6	104	72	19	0	0	2	0
CHEYENNE	81	53	84	50	67	1	.1	-.2	.1	6.5	129	16.2	156	77	25	0	0	4	0
LANDER	84	55	87	50	69	2	T	-.1	T	2.6	106	6.6	69	65	16	0	0	1	0
SHERIDAN	86	54	90	50	70	3	.1	-.1	.1	3.2	82	9.8	90	83	28	1	0	1	0

Based on 1951-80 normals

National Agricultural Summary

August 20-26, 1990

HIGHLIGHTS: Rain improved crop condition in portions of the Delta and Southeast, but more was needed. Rain fell in the Corn Belt, where soil moisture was mostly adequate to surplus. Wet soils and flooding was a problem in portions of Indiana. In the Great Plains, soil moisture was mostly adequate to short. Rain improved pasture conditions in the Pacific Northwest.

SMALL GRAINS: Winter wheat harvest was nearly complete in the Pacific Northwest. Seeding was underway in the central and southern Great Plains. Spring wheat harvest was 81 percent (%) complete, 7 percentage points ahead of the 5-year average. Harvest continued ahead of normal in all five major producing States and was nearly complete in South Dakota and Minnesota. North Dakota's harvest was 77% complete, 4 points ahead of normal.

CORN: Corn was in mostly good to fair condition. Sixty-seven percent of the acreage had reached the dough stage, 21 points behind normal. Corn denting was 23%, 32 points behind normal. Crop development lagged behind normal in nearly all of the 17 major producing States. The percentage of corn in the dent stage lagged more than 40 points behind normal in Illinois, Iowa, and Missouri. Corn was in good to excellent condition in Illinois and Iowa and in good condition in Nebraska. Corn borers were a continuing problem in portions of Nebraska.

SOYBEANS: Soybeans were good to fair with 94% of the acreage in the blooming stage or beyond, 2 points behind normal. Eighty percent of the acreage was setting pods, 8 points behind normal. The percentage of acreage setting pods lagged more than 20 points behind normal in Arkansas and Kentucky and lagged 35 points behind in Missouri. Setting pods lagged 13 points in Illinois and 2 points behind in Iowa. Crop condition was mostly good in Illinois and good to fair in Iowa. Condition declined and was mostly fair to poor in Alabama, Georgia, and Mississippi due to lack of moisture.

COTTON: Cotton was good to fair with 26% of the acreage opening bolls, 3 points ahead of normal. Crop development was near or ahead of normal except in Arkansas, Missouri, and New Mexico. Lack of moisture stressed the crop in Alabama, Georgia, and Tennessee. Rain improved crop prospects in the Carolinas. In Louisiana, some dryland fields were shedding bolls due to lack of moisture. In Texas, cotton was fair to good with harvest 13% complete, 3 points ahead of normal. Harvest was underway in southwestern Arizona.

SORGHUM: Sorghum was good to fair with 89% of the acreage headed, 1 point behind normal. Thirty-six percent of the acreage was in the coloring stage, 10 points behind normal. Crop development lagged behind normal in Missouri and Oklahoma. Kansas' crop was good to fair. In Texas, sorghum was fair to good with harvest 54% complete, 1 point ahead of normal. Harvest was nearly complete in central and southern Texas.

OTHER FIELD CROPS: Rice was mostly good to fair with 80% of the acreage headed, 10 points behind normal. Harvest was 19% complete, 2 points behind normal, in the five major producing States. Harvest continued in Louisiana and Texas and was underway in Mississippi. Peanut harvest continued in Alabama and Georgia and was underway in Texas. In North Carolina, peanuts were in good to fair condition. Tobacco harvest continued in the major producing States. Sugarcane planting was slowed by dry soil conditions in Louisiana.

FRUIT AND NUTS: Florida's citrus groves were in near excellent condition with adequate moisture. The new crop fruit continued to size well. Georgia's pecans were in fair to poor condition. Lemon harvest was underway in western Arizona. In California, early variety almond harvest was active. Grape harvest for both fresh market and wine use continued and raisin grape harvest began. The new crop navel oranges were sizing well. Other fruit harvest included peaches, pears, plums, prunes, and nectarines. Pear harvest was active in Oregon. In Washington, fruit harvested included apples, pears, and nectarines. Peach and plum harvests continued in Idaho.

VEGETABLES: Rain and above-normal temperatures prevailed over Florida's vegetable producing areas. Pepper planting was underway. Sweetpotato harvest continued in Louisiana, Mississippi, and eastern Texas. Vegetable planting continued in the Rio Grande Valley, Texas. Onion and potato harvest was nearly complete in the High Plains area of Texas. Melon harvest continued in central Arizona. Cantaloupe, honeydew, and mixed melon harvests were nearly complete in California. Harvested supplies of broccoli and cauliflower were light. Broccoli, cauliflower, and head lettuce transplanting continued in the Westside area. In Oregon, vegetable seed harvest was underway. Potato and onion harvests continued in Colorado. North Dakota's potatoes were in poor to fair condition.

PASTURES AND LIVESTOCK: Pastures were in mostly good to fair condition in the Great Plains except in North Dakota, where they were poor to fair. In the Corn Belt, pastures were good or good to excellent. Recent rains improved pasture and range conditions in the Pacific Northwest. In southern California, pasture and ranges were in poor condition. Some supplemental feeding was required. Stock water supplies were short in central and southern California. In the Delta and Southeast, pastures were fair or fair to poor. Additional moisture was needed.

Crop Progress

FOR WEEK ENDING AUGUST 26, 1990

	CORN % DOUGH		
	1990	1989	AVG.
CO	50	55	85
GA	100	100	100
IL	73	89	94
IN	73	86	93
IA	55	84	91
KS	90	85	90
KY	75	82	94
MI	20	45	70
MN	68	90	85
MO	79	98	98
NE	85	89	92
NC	96	95	97
OH	64	64	88
PA	44	32	62
SD	64	75	67
TX	100	99	100
WI	39	57	69
17 STATES	67	82	88

THESE 17 STATES PRODUCED 95% OF THE 1989 CORN CROP.

	CORN % DENT		
	1990	1989	AVG.
CO	8	12	34
GA	98	98	99
IL	23	51	69
IN	18	34	55
IA	20	45	62
KS	50	50	55
KY	37	54	71
MI	2	5	20
MN	12	27	44
MO	44	79	89
NE	20	39	50
NC	86	77	87
OH	15	11	50
PA	9	5	20
SD	18	33	31
TX	99	86	88
WI	9	13	31
17 STATES	23	40	55

THESE 17 STATES PRODUCED 95% OF THE 1989 CORN CROP.

	GRAIN SORGHUM % HEADED		
	1990	1989	AVG.
AR	86	98	NA
CO	76	84	85
IL	54	98	NA
KS	85	65	85
LA	97	98	99
MS	96	97	99
MO	74	95	96
NE	96	90	96
NM	85	NA	NA
OK	55	100	85
SD	90	81	85
TX	98	88	93
12 STATES	89	NA	NA
EXCL. STATES WITH NA	89	81	90

THESE 12 STATES PRODUCED 98% OF THE 1989 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % COLORING		
	1990	1989	AVG.
AR	58	79	NA
CO	21	22	27
IL	8	58	NA
KS	15	10	25
LA	84	81	85
MS	61	73	81
MO	18	53	63
NE	15	26	38
NM	10	NA	NA
OK	25	55	65
SD	33	40	31
TX	76	68	71
12 STATES	36	NA	NA
EXCL. STATES WITH NA	36	37	46

THESE 12 STATES PRODUCED 98% OF THE 1989 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	SOYBEANS % BLOOM		
	1990	1989	AVG.
AL	91	78	85
AR	69	78	68
GA	94	95	97
IL	98	100	100
IN	100	100	100
IA	100	100	100
KS	98	95	97
KY	81	83	90
LA	96	95	95
MI	100	97	99
MN	100	100	100
MS	91	77	86
MO	86	99	99
NE	100	100	100
NC	85	74	81
OH	96	92	98
SC	86	78	84
SD	100	100	98
TN	84	88	90
19 STATES	94	95	96

THESE 19 STATES PRODUCED 95% OF THE 1989 SOYBEANS CROP.

	SOYBEANS % SETTING PODS		
	1990	1989	AVG.
AL	69	59	65
AR	38	54	61
GA	76	82	84
IL	86	100	99
IN	90	90	94
IA	98	100	100
KS	75	75	85
KY	37	46	58
LA	86	78	81
MI	80	75	80
MN	98	99	98
MS	71	54	62
MO	55	89	90
NE	93	92	97
NC	55	47	52
OH	85	68	92
SC	48	49	51
SD	94	97	91
TN	58	62	71
19 STATES	80	84	88

THESE 19 STATES PRODUCED 95% OF THE 1989 SOYBEANS CROP.

	COTTON % BOLLS OPENING		
	1990	1989	AVG.
AL	30	17	22
AZ	52	57	53
AR	2	0	24
CA	20	20	27
GA	42	8	24
LA	71	7	39
MS	60	4	37
MO	1	10	22
NM	18	40	34
NC	13	11	19
OK	1	0	3
SC	18	9	21
TN	8	8	14
TX	18	14	17
14 STATES	26	14	23

THESE 14 STATES PRODUCED 99% OF THE 1989 COTTON CROP.

	RICE % HEADED		
	1990	1989	AVG.
AR	67	83	89
CA	75	75	77
LA	93	95	95
MS	98	90	95
TX	100	100	100
5 STATES	80	87	90

THESE 5 STATES PRODUCED 97% OF THE 1989 RICE CROP.

	RICE % HARVESTED		
	1990	1989	AVG.
AR	0	0	3
CA	0	0	0
LA	61	51	49
MS	1	0	9
TX	61	70	72
5 STATES	19	19	21

THESE 5 STATES PRODUCED 97% OF THE 1989 RICE CROP.

	SPRING WHEAT % HARVESTED		
	1990	1989	AVG.
ID	70	54	60
MN	95	95	78
MT	70	67	64
ND	77	92	73
SD	97	100	96
5 STATES	81	87	74

THESE 5 STATES PRODUCED 89% OF THE 1989 SPRING WHEAT CROP.

Crop Condition

PERCENT

FOR WEEK ENDING AUGUST 26, 1990

STATE	CORN				
	VP	P	F	G	EX
CO	1	3	13	59	24
GA	14	28	36	18	4
IL	0	2	3	68	27
IN	0	1	18	70	11
IA	0	1	5	77	17
KS	0	4	16	58	22
KY	2	4	45	47	2
MI	0	5	15	50	30
MN	2	10	39	43	6
MO	0	0	30	63	7
NE	1	1	16	57	25
NC	9	27	38	25	1
OH	3	7	26	51	13
PA	0	4	19	44	33
SD	0	6	27	55	12
TX	0	0	32	58	10
WI	0	1	15	76	8
17 STATE	1	4	17	61	17
PREV WEEK	1	5	18	60	16
PREV YEAR	3	11	27	46	13

STATE	COTTON				
	VP	P	F	G	EX
AL	0	24	75	1	0
AZ	0	0	40	60	0
AR	0	0	28	60	12
CA	0	0	10	85	5
GA	27	35	34	4	0
LA	0	17	25	58	0
MS	0	6	35	59	0
MO	0	10	60	30	0
NM	0	7	53	40	0
NC	0	0	26	66	8
OK	0	0	45	45	10
SC	1	6	93	0	0
TN	0	7	66	27	0
TX	0	4	51	39	6
14 STATE	1	6	43	46	4
PREV WEEK	1	6	42	48	3
PREV YEAR	0	7	50	40	3

STATE	GRAIN SORGHUM				
	VP	P	F	G	EX
AR	1	6	74	19	0
CO	0	3	19	65	13
IL	0	11	28	51	10
KS	0	5	21	61	13
LA	0	11	21	68	0
MS	0	0	71	21	8
MO	0	1	56	41	2
NE	1	6	22	61	10
NM	0	7	57	36	0
OK	0	0	25	75	0
SD	0	13	27	52	8
TX	1	4	48	43	4
12 STATE	0	5	34	53	8
PREV WEEK	1	4	33	55	7
PREV YEAR	3	18	23	43	13

STATE	RICE				
	VP	P	F	G	EX
AR	0	0	50	50	0
CA	0	0	15	75	10
LA	0	0	22	78	0
MS	0	0	63	20	17
TX	1	0	27	72	0
5 STATE	0	0	37	60	3
PREV WEEK	0	0	36	61	3
PREV YEAR	0	0	25	67	8

STATE	SOYBEANS				
	VP	P	F	G	EX
AL	5	36	58	1	0
AR	3	17	53	27	0
GA	18	31	41	10	0
IL	0	3	15	66	16
IN	0	2	30	62	6
IA	0	2	26	65	7
KS	0	0	19	42	39
KY	0	2	37	55	6
LA	0	16	49	32	3
MI	0	5	15	50	30
MN	1	12	46	36	5
MS	2	29	54	15	0
MO	0	2	48	45	5
NE	0	2	18	66	14
NC	1	8	39	49	3
OH	2	10	29	47	12
SC	0	6	61	33	0
SD	0	5	23	68	4
TN	0	13	52	33	2
19 STATE	1	7	33	50	9
PREV WEEK	1	8	35	50	6
PREV YEAR	2	9	42	41	6

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall under 0.30 in.; 1.00 to 2.00 in. isolated locations. Temperatures 2 to 5° above normal.

Days suitable for fieldwork 6.5. Soil moisture 61% very short, 34% short, 5% adequate. Drought conditions continued to stress crops, pastures, livestock, poultry. Corn 98% dented, 96% 1989, 98% avg.; 83% mature, 75% 1989, 85% avg.; 46%

harvested, 44% 1989, 47% avg.; 28% poor, 40% fair, 20% good, 12% excellent. Sorghum 21% harvested, 31% 1989, 24% avg.; 4% very poor, 18% poor, 76% fair, 2% good. Cotton 30% bolls opened, 17% 1989, 22% avg.; 24% poor, 75% fair, 1% good. Soybeans 91% blooming, 78% 1989, 85% avg.; 69% setting pods, 59% 1989, 65% avg.; 12% turning yellow, 13% 1989, 17% avg.; 3% dropping leaves, 4% 1989, 2% avg.; 5%

very poor, 36% poor, 58% fair, 1% good. Peanuts 3% dug, 4% 1989, 3% avg.; 13% very poor, 66% poor, 21% fair. Pastures 17% very poor, 62% poor, 21% fair. Livestock 11% poor, 63% fair, 26% good. Primary activities: Harvesting hay, corn, sorghum, peanuts, vegetables; irrigating crops, vegetables; providing supplemental feed to cattle; repairing, maintaining harvest equipment; routine care of livestock, poultry, catfish.

ALASKA: Rain showers, seasonal temperatures were general throughout the Railbelt. Highs 7° below normal at Clearwater to 3° above normal at Wasilla, Homer. Lows normal at Big Delta to 6° above normal at Homer. Precipitation 2.80 in. drier than normal at PMC-Butte to 3.99 in. wetter than normal at Fairbanks.

Days suitable for fieldwork 2.0. Topsoil 28% short, 76% adequate, 2% surplus. Subsoil 31% short, 69% adequate. Barley harvested 40% swathed; 10% ripe 50%. Crop hay 2nd harvested delayed due to rain in the Tanana, Hope of more crop growth by Matanuska Valley growers. Commercial harvest of early potato varieties in full swing.

ARIZONA: Mostly seasonably warm, dry 20th to 23rd except cloudy northwest, thunderstorms southeast, severe flooding; all areas dry 24th, 25th. Temperatures 5° below to 1° above normal. Extremes 62°; 107° deserts; 38°; 87° mountains.

Cotton 60% good, 40% fair; light defoliation west, central; first pick underway southwest; weeds light, insects moderate. Major activities: Irrigation, ditch repair, scouting pests, applying insecticides; flood damage southeast, extent unknown. Alfalfa hay mostly good; rain damage moderate; harvest progress moderate central, active west. Lemon harvest began west; mixed melon harvest continued central; apple harvest increasing east.

ARKANSAS: Temperatures above normal. Isolated rain showers, western half. Extremes 62°; 103°. Rainfall none to 1.76 in.

Days suitable for fieldwork 7.0. Soil moisture 85% short, 15% adequate. Main activities: Irrigating row crops; applying fertilizer, fungicides, insecticides; preparing fields for wheat; baling hay. Corn 39% fair, 61% good. Soybeans 69% blooming, 78% 1989, 68% avg.; 38% setting pods, 54% 1989, 61% avg.; 3% yellowing, 2% 1989. 3% avg.; 3% very poor, 17% poor, 53% fair, 27% good. Sorghum 86% headed, 98% 1989, 97% 4 year avg.; 58% turning color, 79% 1989, 78% 4 year avg.; 9% mature, 20% 1989, 40% 4 year avg.; 1% very poor, 6% poor, 74% fair, 19% good. Cotton bolls maturing rapidly. Rice fields being drained in preparation for harvest. Watermelon, wine grape, squash harvest continued. Pastures suffered from dry conditions. Pasture 52% poor, 45% fair, 3% good. Livestock good.

CALIFORNIA: Low pressure brought cooler temperatures both early, late in the week. Mid week was near normal. Some rain recorded in the north, Sierra Nevada mountains.

Field activities progressed well, rain halted progress north. Rice head development continued. Cotton boll set complete. Some fields final irrigated. Worm, mite treatments ongoing. Safflower, sugar beet, alfalfa seed harvests continued. Alfalfa hay, late sugar beets treated, worms. Corn silage, dry bean harvests active. Harvesting, early variety almonds, active. Granny Smith, McIntosh apples, harvested, packed. Date crop, dusted, bagged. Fig harvest progressed. Picking grapes, fresh market, wine uses, continued. Raisin grape harvest began, grapes placed, raisin trays, drying. Treatment continued, grape vineyards, control leafhoppers, mildew, worms, mites. New crop navel oranges, reported, sizing

well. Late variety, fresh market peaches, pears, plums, prunes, nectarines, continued, picked, packed. Pistachio orchards, treated, control worms. Pomegranates, picked, packed. Dry prune harvest, progressed. Broccoli light supply, generally good quality. Cantaloupe, honeydew, mixed melons harvest slowly winding down. Cauliflower light supply, wide range in quality. Celery moderate supply, generally good quality. Sweet corn harvest continued. Iceberg head lettuce moderate supply wide range quality. Transplanting of broccoli, cauliflower, head lettuce continued, West side. Sweet potato harvest active, Fresno Merced areas. Tomato harvest continued. Sprout inhibitor applications began, Tullake potato fields. Livestock good condition statewide. Pasture, range conditions fair northern third of State. Water supplies adequate. Conditions poor supplemental feeding southern areas. Water short central, southern counties. Sheep grazing dryland grain fields.

COLORADO: Scattered thunderstorms, showers daily over the State until weekend which was warm, dry. Precipitation a trace to 2.00 in. Temperatures 2° above or below avg.

Days suitable for fieldwork 5.3. Soil moisture 6% very short, 30% short, 61% adequate, 3% surplus. Most small grain harvest near completion except in San Luis Valley. Barley harvest 63% complete. Spring wheat 48% harvested, oats 65% harvested. Alfalfa 2nd cutting 73% complete; 3rd cutting 20% complete. Corn, dry bean condition mostly fair to good, slow development worrying producers. Summer potato harvest 24% complete. Dry onion harvest 39% complete. Winter wheat seeded 11%. Pasture, range feed conditions 1% very poor, 8% poor, 28% fair, 49% good, 14% excellent. Livestock mostly good to excellent.

FLORIDA: Scattered showers, thunderstorms brought significant rains, much of State; 1.00 to 3.00 in. Heaviest rains 4.93 in. west Vero Beach, 4.66 in. west Perrine. Rains few areas, totaled under 0.50 in. Temperatures 2 to 4° above normal, Panhandle, lower southeast coast; elsewhere, generally within 1° of normal. Hottest temperatures 90s north, mid 90s elsewhere. Crestview, Madison reported maximum readings of 100°. Coolest temperatures mostly upper 60s to low 70s, except mid, upper 70s lower southeast coast.

Panhandle soil moisture continued mostly short, northern Peninsula short to adequate, other Peninsular areas mostly adequate. Dry soils, Panhandle, reduced peanut, cotton prospects. Recent rains, however, improved peanut digging conditions; harvest active. Corn harvest, haying steady. Sugarcane good. Tobacco harvest winding down. Pastures 29% excellent, 41% good, 24% fair, 6% poor. Panhandle, northern Peninsula cattle fair to good; elsewhere, good to excellent. Citrus near excellent growing conditions; moisture adequate, new foliage most trees. Fruit sizing well, several packing houses shipping red, white grapefruit, Navels, Hamlin Oranges, K Early Citrus Fruit. Caretakers cutting cover crops, completing summer spraying, fertilizing. Hot temperatures, rainy afternoons vegetable producing areas. Fall crops north, good. Zellwood sweet corn seedlings progress good. Pepper planting underway, southwest. Fall watermelons, cherry tomatoes good, west central. Regular sized tomatoes good statewide. Dade County growers preparing land for mid September plantings.

GEORGIA: Temperatures 2 to 5° above normal. Coolest lows mid 60s mountains, around 70 elsewhere. Warmest highs upper 80s northeast mountains, upper 90s central, south. Showers, thundershowers numerous entire State, amounts varied widely. Many areas under 0.30 in., some areas 1.00 to 2.00 in.

Days suitable for fieldwork 5.6. Soil moisture 24% very short, 44% short, 31% adequate, 1% surplus. Corn 97% mature, 95% 1989, 98% avg.; 66% harvested for grain, 43% 1989, 52% avg.; harvest very active. Cotton further deterioration. Sorghum 5% very poor, 38% poor, 49% fair, 8% good. Peanuts 23% very poor, 29% poor, 43% fair, 5% good; 3% dug, 2% 1989, 3% avg.; 1% threshed, 1% 1989, 1% avg. Armyworms now problem in peanuts. Soybeans 8% dropping leaves, 2% 1989, 4% avg.; heavy insect pressure. Tobacco 45% fair, 55% good; 84% harvested, 95% 1989, 89% avg. Watermelon harvest nearing completion. Apples 1% very poor, 13% poor, 11% fair, 75% good; 41% harvested, 30% 1989, 38% avg. Pecans 6% very poor, 34% poor, 54% fair, 6% good. Hay, pastures down from last week. Cattle, hogs fair to good. Main activities: Harvesting corn, tobacco, apples, hay. Spraying to control insects in row crops, hay fields. Fall land preparation.

HAWAII: Near record highs continue to scorch islands. Skies mostly sunny with scattered showers. Winds 5 to 20 mph. Temperatures high 60s to low 90s. Rainfall none to 4.20 in.

Days suitable for farm work 7.0. Heavy irrigation necessary in many areas. Papaya supplies heavy. Sugar, pineapple harvest continuous.

IDAHO: Below normal temperatures statewide, above normal precipitation most areas.

Days suitable for fieldwork 5.0. Soil moisture 12% very poor, 25% poor, 61% adequate, 2% surplus. Winter wheat 84% harvested, 77% 1989, 82% avg. Spring wheat 70% harvested, 54% 1989, 60% avg. Spring barley 72% harvested, 56% 1989, 64% avg. Potato good; 50% turning; 20% vines dying; 3% harvested, 4% 1989, 2% avg. Oats 55% harvested, 56% 1989, 60% avg. Alfalfa hay 2nd cutting 86% harvested; 90% 1989, 91% avg.; 3rd cutting 20% harvested, 15% 1989, 9% avg. Dry peas, lentils final stages. Dry beans 6% harvested, 6% 1989, 10% avg. Onions 23% harvested, 11% 1989, 12% avg. Hops 6% harvested. Sweet corn for processing 33% harvested. Peaches 62% harvested, 55% 1989, 60% avg. Plums 35% harvested. Harvest continued where weather permitted. Some wheat sprout north, south central, east. Rain caused problems alfalfa seed harvest southwest; delayed baling east. Hessian fly continued north. Rain improved range, pasture; 8% very poor, 18% poor, 37% fair, 36% good, 1% excellent.

ILLINOIS: Temperatures normal to 3° above normal across State. Precipitation generally 0.25 to 0.75 in., isolated areas less than 0.25 in.

Days suitable for fieldwork 4.25. Soil moisture 12% short, 71% adequate, 17% surplus. Corn mature 1%, 4% 1989, 15% avg. Soybeans turning yellow 2%, 10% 1989, 18% avg. Alfalfa 2% poor, 6% fair, 59% good, 33% excellent. Alfalfa hay third cutting 49%, 70% 1989, 69% avg. Pasture 2% poor, 12% fair, 63% good, 23% excellent.

INDIANA: Temperatures 1 to 3° above normal. Lows low to upper 60s, highs upper 70s to upper 80s. Precipitation 0.25 to 2.50 in. few areas.

Days suitable for fieldwork 1.7. Topsoil 6% short, 34% adequate, 60% surplus. Subsoil 1% short, 61% adequate, 38% surplus. Tobacco 10% harvested, 10% 1989, 17% avg. Pasture 1% poor, 22% fair, 63% good, 14% excellent. 1991 winter wheat cropland 21% plowed, 24% 1990, 21% avg. Oat harvest complete. Corn, soybean development behind average. Wet soils, flooding some areas.

IOWA: Temperatures 3 to 5° above normal. Extremes 59°; 97°. Rainfall none to 6.42 in.; average 1.64 in.

Days suitable for fieldwork 3.8. Topsoil 3% short, 69% adequate, 28% surplus. Subsoil 1% short, 82% adequate, 17% surplus. Hay 2% poor, 17% fair, 69% good, 12% excellent. Pasture 2% poor, 12% fair, 62% good, 24% excellent. Third crop alfalfa hay 50% harvested, 74% 1989, 63% avg. Second crop clover hay 90% harvested, 100% 1989, 99% avg. Corn 95% milk stage, 100% 1989, 100% avg. Livestock mostly good.

KANSAS: Temperatures 6 to 8° above across State. Precipitation generally light; heaviest 0.98 in., 0.60 in. northwest, west central respectively.

Days suitable for fieldwork 5.5. Surface moisture 26% short, 71% adequate, 3% surplus. Subsoil 26% short, 73% adequate, 1% surplus. Corn, sorghum, soybeans slightly behind schedule. Greenbugs, chinch bugs present across State, mainly at light levels, moderate to severe in some locations. Range, pasture still good for time of year. Third cutting of alfalfa hay 90% complete; fourth cutting 15% complete. Working wheat fields, applying fertilizer, cutting hay remain the major activities.

KENTUCKY: Temperatures 2° above normal. Temperatures upper 80s, lows mid 60s. Little or no rain west. Central, east 1.00 to 2.00 in. rain. Isolated locations south central, east around 3.00 in.

Days suitable fieldwork 4.3. Soil moisture 8% very short, 34% short, 50% adequate, 8% surplus. Tobacco mostly fair to good. Burley 24% cut, 31% 1989, 33% avg. Dark tobacco 17% cut, 35% 1989, 35% avg. Corn, soybeans, benefitted in areas receiving rain. Pasture 2% very poor, 6% poor, 36% fair, 52% good, 4% excellent. Black shank, blue mold problems continue tobacco. Armyworms in corn.

LOUISIANA: Temperatures 2 to 5° above normal. Extremes 68°; 102°. Rainfall 0.09 to 1.97 in.

Days suitable for fieldwork 6.2. Soil moisture 38% very short, 51% short, 11% adequate. Corn mature 100%, 98% 1989, 98% avg.; harvested 80%, 59% 1989, 59% avg. Cotton open bolls 71%, 7% 1989, 39% avg.; 17% poor, 25% fair, 58% good. Non irrigated crop shedding bolls due to extreme heat, dryness. Hay final cutting 48%, 36% 1989, 40% avg. Peaches harvested 100%, 100% 1989, 100% avg. Rice headed 93%, 95% 1989, 95% avg.; ripe 80%, 64% 1989, 66% avg.; harvested 61%, 51% 1989, 49% avg.; 22% fair, 78% good. Second crop management continued. Sorghum headed 97%, 98% 1989, 99% avg.; turning color 84%, 81% 1989, 85% avg.; ripe 71%, 50% 1989, 61% avg.; harvested 53%, 24% 1989, 37% avg.; 11% poor, 21% fair, 68% good. Soybeans blooming 96%, 95% 1989, 95% avg.; setting pods 86%, 78% 1989, 81% avg.; turning color 11%, 4% 1989, 7% avg.; 16% poor, 49% fair, 32% good, 3% excellent. Plants dying in some drier areas. Maturation was rapid. Early varieties being harvested Sweet potatoes harvested 31%, 16% 1989, 25% avg.; 16% poor, 42% fair, 25% good, 17% excellent. Sugarcane planted 8%, 15% 1989, 10% avg.; 10% very poor, 10% poor, 60% fair, 20% good. Planting slowed due to lack of moisture. Livestock 5% poor, 29% fair, 64% good, 2% excellent. Pasture 6% very poor, 27% poor, 47% fair, 20% good. Vegetables 33% poor, 56% fair, 11% good.

MARYLAND & DELAWARE: MARYLAND: Precipitation 1.91 in. Temperature 71°, normal 74°. Extremes 53°; 91°.

Days suitable for fieldwork 1.3. Topsoil 35% adequate, 65% surplus. Subsoil 47% adequate, 53% surplus. Corn good; 99% silked, 95% 1989, 98% avg.; 71% dough, 76% 1989, 83% avg.; 43% dent, 51% 1989, 56% avg.; 2% mature, 6% 1989, 10% avg.; silage 2% harvested, 4% 1989, 16% avg. Soybeans good; 88% bloomed, 84% 1989, 87% avg.; 68% setting

Pods, 65% 1989, 65% avg. Tobacco good; 88% bloomed, 79% 1989, 90% avg.; 72% topped, 51% 1989, 62 avg.; 31% harvested, 30% 1989, 34% avg. Oats fair to good; 98% harvested, NA 1989, 98% avg. Sweet corn 75% harvested, 80% 1989, 86% avg. Potatoes 96% harvested, 70% 1989, 76% avg. Watermelons 87% harvested, 88% 1989, 87% avg. Cantaloupes 84% harvested, 87% 1989, 88% avg. Lima beans 32% harvested, 54% 1989, 60% avg. Snap beans 84% harvested, 80% 1989, 84% avg. Tomatoes 82% harvested, 76% 1989, 73% avg. Hay supplies adequate. Alfalfa hay third cut 77% complete, 73% 1989, 84% avg. Other hay second cut 80% complete, 82% 1989, 91% avg. Other hay third cut 14% complete, 12% 1989, 55% avg. Apples fair to good; 18% harvested, 22% 1989, 18% avg. Peaches fair; 83% harvested, 79% 1989, 74% avg. Pasture fair to good. **DELAWARE:** Precipitation 1.23 in. Temperature 72°, normal 75°. Extremes 61°; 92°.

Days suitable for fieldwork 3.1. Topsoil 67% adequate, 33% surplus. Subsoil 83% adequate, 17% surplus. Corn good; 84% dough, 79% 1989, 88% avg.; 54% dent, 34% 1989, 63% avg.; silage 18% harvested, 4% 1989, 13% avg. Soybeans good; 87% bloomed, 85% 1989, 91% avg.; 52% setting pods, 43% 1989, 59% avg. Sweet corn 81% harvested, 81% 1989, 87% avg. Potatoes 87% harvested, 74% 1989, 80% avg. Watermelons 68% harvested, 84% 1989, 84% avg. Cantaloupes 93% harvested, 87% 1989, 93% avg. Cucumbers 78% harvested, 85% 1989, NA avg. Lima beans 21% harvested, 12% 1989, NA avg. Snap beans 87% harvested, 75% 1989, NA avg. Tomatoes 74% harvested, 79% 1989, 60% avg. Hay supplies adequate. Alfalfa hay third cut 79% complete, 69% 1989, 92% avg. Alfalfa hay fourth cut 10% complete, 2% 1989, 25% avg. Other hay third cut 47% complete, 70% 1989, 69% avg. Apples fair to good; 27% harvested, 32% 1989, 21% avg. Pasture good condition.

MICHIGAN: Temperatures 2° below to 3° above normal. Extremes 43°; 87°. Precipitation none to 3.28 in. across the State.

Days suitable for fieldwork 4.0. Soil moisture 5% short, 70% adequate, 25% surplus. Corn 20% dough, 45% 1989, 70% avg.; 2% dented, 5% 1989, 20% avg.; 5% poor, 15% fair, 50% good, 30% excellent. Soybeans 100% blooming, 97% 1989, 99% avg.; 90% setting pods, 75% 1989, 80% avg.; 5% poor, 15% fair, 50% good, 30% excellent. Pasture 5% poor, 20% fair, 45% good, 30% excellent. Major activities: Baling hay, straw; harvesting oats, planting canola, working wheat ground, pickling apples, harvesting vegetables.

MINNESOTA: Temperatures 2 to 5° above normal. Extremes 41°; 91°. Precipitation 0.40 to 1.40 in.; greatest weekly total 3.80 in.

Days suitable for fieldwork 4.6. Topsoil 22% very short, 15% short, 49% adequate, 14% surplus. Corn 68% in dough, 90% 1989, 85% avg.; 12% denting, 27% 1989, 44% avg. Soybeans 14% turning yellow, 9% 1989, 22% avg.; 2% dropping leaves, 0% 1989, 5% avg. Spring wheat 95% harvested, 95% 1 989, 78% avg. Dry beans 6% harvested, 3% 1989, 3% avg. Potatoes 7% harvested, 6% 1989, 6% avg. Sweet corn 39% harvested, 63% 1989, 64% avg. Winter wheat 8% seeded, 12% 1989, 13% avg. Rye 10% seeded, 13% 1989, 15% avg. Field corn 1% silage, 4% 1989, 4% avg. Land 40% plowed, tilled, 43% 1989, 38% avg. Field corn 2% very poor, 10% poor, 39% fair, 43% good, 6% excellent. Soybeans 1% very poor, 12% poor, 46% fair, 36% good, 5% excellent.

MISSISSIPPI: Temperatures 3° above normal. Extremes 57°; 106°. Mostly dry statewide with scattered showers. Rainfall 0.53 in., 0.26 in. below normal. Soil temperature 90°.

Days suitable for fieldwork 6.4, 6.4 1989, 5.6 avg. Soil moisture 49% very short, 47% short, 4% adequate. Cotton 60% open bolls, 4% 1989, 37%

avg.; 6% poor, 58% fair, 23% good, 13% excellent. Corn 97% dough, 93% 1989, 97% avg.; 84% dent, 77% 1989, 90% avg., 54% mature, 41% 1989, 66% avg.; 20% harvested, 14% 1989, 19% avg.; 69% silage harvested, 45% 1989, 68% avg.; 2% poor, 45% fair, 49% good, 4% excellent. Rice 98% heading, 90% 1989, 95% avg., 30% mature, 34% 1989, 39% avg.; 1% harvested; 63% fair, 20% good, 17% excellent. Soybeans 91% blooming, 77% 1989, 86% avg.; 71% podding, 54% 1989, 62% avg., 12% turning color, 7% 1989, 10% avg.; 2% very poor, 29% poor, 54% fair, 15% good. Sorghum 96% heading, 97% 1989, 99% avg.; 61% coloring, 73% 1989, 81% avg.; 29% mature, 30% 1989, 54% avg., 12% harvested, 11% 1989, 18% avg.; 52% silage harvested, 46% 1989, 46% avg.; 71% fair, 21% good, 8% excellent. Hay 77% harvested, 69% 1989, 75% avg. Peanuts 24% harvested, 20% 1989. Sweet potatoes 13% harvested, 6% 1989, 12% avg. Watermelons 93% harvested, 90% 1989, 90% avg. Pasture, Livestock good to fair. Activities: Corn, sorghum harvesting, preparing harvest machinery, cutting silage.

MISSOURI: Temperatures 1° below to 4° above normal. Rainfall averaged less than 0.25 in., many counties none.

Days suitable for fieldwork 5.3. Topsoil moisture 21% short, 74% adequate, 5% surplus. Southern third mostly short moisture. Crops 2 to 3 weeks behind ave. Corn dent stage 26% north-central to 78% southeast. Soybeans podding 35% southwest to 68% northwest. Sorghum coloring 8% north central, northeast to 29% southeast. Alfalfa hay third cutting 73%, 87% 1989, 86% avg. Pasture 9% poor, 26% fair, 53% good, 12% excellent.

MONTANA: Temperatures normal to 5° below normal, except southeast above normal. Almost all state had above normal precipitation, with most receiving more than 1.00 in.

Days suitable for fieldwork 4.7. Topsoil 45% short, 52% adequate, 3% surplus. Subsoil 58% short, 40% adequate, 2% surplus. Barley 7% very poor, 17% poor, 28% fair, 41% good, 7% excellent; 68% harvested, 56% 1989, 65% avg. Oats 9% very poor, 19% poor, 38% fair, 30% good, 4% excellent; 68% harvested, 52% 1989, 59% avg. Pasture, range feed 7% very poor, 12% poor, 24% fair, 49% good, 8% excellent. Second cutting alfalfa harvested 71%, 64% 1989, 76% avg. Other hay harvested 93%, 100% 1989, 97% avg.

NEBRASKA: Temperatures 2° above normal north central, up to 6° above normal east central. Extremes 49°; 100°. Precipitation varied none northwest up to 1.18 in. northeast.

Days suitable for fieldwork 6.0. Topsoil 33% short, 55% adequate, 6% surplus. Subsoil 41% short, 57% adequate, 2% surplus. Alfalfa hay 8% poor, 36% fair, 46% good, 10% excellent; 70% third cutting, 73% 1989, 67% avg. Humid conditions hampering drying in many areas. Soybeans 3% turning color, 7% 1989, 9% avg. Dryland soybeans in sandy ground showing drought stress, northeast. Hail damaged corn, soybeans, northeast. Some southwestern corn cut for silage, some dry corn not good enough for silage. Corn borers still causing damage. Spider mites showing up in some central counties. Green bugs still active in southeastern sorghum fields. Many eastern operators irrigating for final time. Picking up pipe in east, south, southeast. Some northern systems shut down after heavy rains. Remainder of State irrigating normally. Alfalfa, cover crops seeded, central district. Some winter wheat sown west. Beginning to cut pinto beans southwest. Dry edible beans turning color, Panhandle, harvest to begin within a week. Pasture, range feed 14% poor, 30% fair, 49% good, 7% excellent. Yearlings beginning to move to market, southwest. Some early calves sold, central counties. Some supplemental feeding necessary,

drier parts of northeast. Main activities: Haying; preparing ground for fall planting; weed, insect control; irrigating; preparing equipment for harvest.

NEVADA: Precipitation from scattered showers, thunderstorms 0.30 in. across west, up to 1.40 in. other locations. Temperatures 5° below normal for period.

Hay harvest hampered by scattered showers many areas. Wild hay harvest wind up stage. Combining alfalfa seed full swing. Potato crop generally sized up well, digging to get underway very soon.

NEW ENGLAND: Precipitation trace over Maine, none to 0.86 in. Vermont, none to 3.27 in. New Hampshire, 1.31 to 3.89 in. south. Temperatures low to mid 60s north, to high 60s south; 2° below to 2° above normal north, 1 to 6° below normal south. Maximum temperatures low 70s to mid 80s.

Days suitable for fieldwork 5.0. Soil moisture north 11% short, 75% adequate, 14% surplus; south 5% short, 48% adequate, 47% surplus. Grazing availability 11% short, 80% adequate, 9% surplus. Pasture 3% poor, 20% fair, 71% good, 6% excellent. Maine potato early harvest for processing underway; good. Rhode Island potatoes 35% harvested, 21% 1989, 26% avg.; good. Connecticut River Valley potatoes 9% harvested, 12% 1989, 16% avg.; good. Maine oats 5% harvested, 18% 1989, 21% avg.; good. Field corn good. Sweet corn 62% harvested, 69% 1989, 64% avg.; good. Second cut hay 69% harvested, 67% 1989, 75% avg.; good. Outdoor tobacco 69% harvested, shade tobacco 66% harvested; good. Apple size medium to large; good. Peaches 49% harvested; good. Pears 21% harvested; good. Raspberries 85% harvested; good. Blueberries 85% harvested; good. Major farm activities: Cutting hay, mowing orchards, harvesting fruits, vegetables, spreading bins for apple harvest.

NEW JERSEY: Temperatures above normal. Extremes 53°; 91°. Rainfall 1.49 in. north, 1.06 in. central, 0.50 in. south. Heaviest 24 hour total 1.99 in. on 23th, 24th. Estimated soil moisture percent field capacity averaged 89% north, 80% central, 73% south. Four inch soil temperatures averaged 67° north, 70° central, 70° south. Rainfall throughout period curtailed fieldwork, hurt late season vegetable production.

Summer vegetables harvest declining. Fall planning about completed. Irish potato, sweet potatoes digging hampered by wet conditions. Late season variety peaches harvest active. Fall apples continue to color, size. Third cutting of hay well advanced. Recent alfalfa seeding growing well. Pasture growth very good. Soybeans in bloom.

NEW MEXICO: Temperatures within a couple degrees of normal statewide. Some precipitation fell over virtually entire state. Higher amounts included 1.76 in. at Grants, 1.41 in. at Socorro, 1.39 in. at Las Cruces.

Days suitable for fieldwork 5.9. Soil moisture 33% short, 67% adequate. Rains continue to cause problems with crops; damage to cut hay, mildew in melons, chile disease, delays in harvesting. Some wheat drilling started on the High Plains. About 400 acres of potatoes lost due to extreme weather conditions during growing season. Dryland crops, rangeland benefitting from additional moisture. Range 22% poor, 55% fair, 19% good, 4% excellent.

NEW YORK: Cloudy, cool week. Rainfall variable. Several areas received over 1.5 in., while several others received no rain. Temperatures below normal. Extremes 28°; 89°.

Days suitable for fieldwork 3.9. Soil moisture mostly adequate to surplus. Pastures 33% fair, 63% good, 4% excellent. Hay was in good, corn mostly good to excellent. Alfalfa 2nd cutting 84% complete, 78% 1989, 82% average. Alfalfa 3rd

cutting 14% finished, 14% 1989, 20% avg. Oats 67% harvested, 81% 1989, 79% ave. Potato harvest underway. Concord grapes changing color, berry size excellent. More vegetable crops moved to market.

NORTH CAROLINA: Temperatures 4° above normal in the Piedmont, Mountain Regions, 2° above in the Coastal Plain Region. Precipitation 0.10 to 5.83 in.

Days suitable for fieldwork 4.8. Soil moisture 3% very short, 21% short, 63% adequate, 13% surplus. Pasture 2% very poor, 9% poor, 36% fair, 52% good, 1% excellent. Livestock feed from pasture 77%. Hay second cutting 78%; third cutting 35%. Flue cured tobacco harvested 57%. Corn silage harvested 43%; corn for grain harvested 7%; burley tobacco 8%; sweet potatoes 5%; apples 15%. Corn soft dough 96%; corn dent 86%; corn mature 71%; cotton setting bolls 97%; cotton opening bolls 13%; soybeans blooming 85%; soybeans setting pods 55%. Crop condition: Corn 9% very poor, 27% poor, 38% fair, 25% good, 1% excellent; cotton 26% fair, 66% good, 8% excellent; soybeans 1% very poor, 8% poor, 39% fair, 49% good, 3% excellent; peanuts 6% poor, 14% fair, 75% good, 5% excellent; sorghum 1% very poor, 13% poor, 48% fair, 38% good; tobacco 1% poor, 33% fair, 64% good, 2% excellent; sweet potatoes, 4% poor, 18% fair, 76% good, 2% excellent; apples 11% poor, 44% fair, 45% good; hay 3% very poor, 10% poor, 40% fair, 46% good, 1% excellent. Major activities: Harvesting flue cured tobacco; cutting corn silage; harvesting, topping, spraying burley tobacco; hay harvesting; spraying field crops; harvesting corn for grain; harvesting vegetables. Other activities included: Tending livestock; harvesting peaches; shearing Christmas trees; general farm maintenance.

NORTH DAKOTA: Temperatures 2 to 4° above normal. Precipitation 0.19 in. southwest to 0.86 in. north central, however, most of the State remained below normal for seasonal rainfall.

Days suitable for fieldwork 4.6. Topsoil 20% very short, 54% short, 26% adequate. Subsoil 43% very short, 56% short, 1% adequate. Small grain harvest delayed due to showers: Spring wheat 2% very poor, 2% poor, 28% fair, 51% good, 17% excellent; 77% combined, 92% 1989, 73% avg. Durum 22% fair, 66% good, 12% excellent; 57% combined, 80% 1989, 60% avg. Oats 5% very poor, 9% poor, 35% fair, 46% good, 5% excellent; 88% combined, 94% 1989, 82% avg. Barley 1% very poor, 1% poor, 21% fair, 71% good, 6% excellent; 95% combined, 97% 1989, 87% avg. Late season crops: Corn for grain 5% poor, 80% fair, 15% good; 38% denting to dented and beyond, 37% 1989, 40% avg. Corn cut for silage, 6% very poor, 14% poor, 49% fair, 31% good; 4% cut, 5% 1989, 7% avg. Flax 4% very poor, 6% poor, 21% fair, 62% good, 7% excellent; 7% combined, 15% 1989, 13% avg. Potatoes 73% poor, 27% fair; 7% vines killed, 7% 1989, 24% avg.; 0% dug, 0% 1989, 4% avg. Soybeans 1% poor, 69% fair, 30% good; 36% lower leaves yellowing and beyond, 39% 1989, 42% avg. Dry beans 10% poor, 64% fair, 26% good; 6% combined, 19% 1989, 1% avg. Sunflower 1% very poor, 5% poor, 42% fair, 47% good, 5% excellent; 18% bracts turned yellow and beyond, 12% 1989, 18% avg. Sugarbeets 17% poor, 66% fair, 17% good. Pasture 24% very poor, 35% poor, 39% fair, 2% good. Stockwater 9% very short, 41% short, 50% adequate. Hay harvest near complete: second cutting alfalfa 85% harvested, other hay 97% harvested.

OHIO: Showers, thunderstorms wetted most of State early in the week. Rainfall varied, however, generally under 0.75 in. Temperatures dipped a few degrees below normal. Highs, mid 70s to mid 80s, a few degrees cooler than normal. Lows in the mid 60s, 3 to 6° subnormal.

Days suitable for fieldwork 1.8. Soil moisture 1% short, 55% adequate, 44% surplus. Soybeans mostly good, weeds beginning to be as big a problem

as root rot. Cool weather continues to hinder progress in corn, soybeans, vegetable crops. Pasture 1% very poor, 4% poor, 23% fair, 58% good, 14% excellent. Tobacco harvest beginning in east central State; blue mold in south central portion of the State. Vegetable harvest continues despite damp, cool weather. Peach harvest over, fruit quality is excellent. Summer apple harvest 70% complete.

OKLAHOMA: Temperatures 2° above normal southwest to 6° above normal northeast. Precipitation none Panhandle, west central, central to 0.54 in. east central.

Days suitable for fieldwork 6.1. Topsoil 40% short, 60% adequate. Subsoil moisture 35% short, 65% adequate. Cotton 45% fair, 45% good, 10% excellent; 1% open bolls, 0% 1989, 3% avg. Sorghum 25% fair, 75% good; 55% heading, 100% 1989, 85% avg.; 25% coloring, 55% 1989, 65% avg. Corn, peanuts good; soybeans good to fair. Corn 35% mature, 45% 1989, 50% avg. Peanuts 80% setting pods, 75% 1989, 90% avg. Soybeans 35% setting pods, 55% 1989, 60% avg. Pastures 5% poor, 45% fair, 45% good, 5% excellent. Cattle good; marketings average, prices up from preceding week.

OREGON: Temperatures above normal coast, Willamette Valley; near normal southwest; 3 to 6° below normal east of Cascades. Precipitation widespread east due to frequent thunderstorms; 0.25 to over 1.00 in., heaviest northeast. West of Cascades precipitation trace to nearly 0.50 in.

Soil moisture 62% short, 38% adequate. Winter wheat 96% harvested, 94% 1989, 94% avg. Barley 65% harvested, 66% 1989, 80% avg. Grain harvest slowed some eastern counties due to cooler temperatures, moisture. Improved fall seeding condition reduced fire concerns. Mint harvest continued Crook Co., Willamette Valley. Hop, vegetable seed harvest underway. Swathing Red clover seed fields underway. Pear harvest in full swing Willamette Valley. Bartlett harvest 60% complete, Anjou harvest begins Sept. 1 Hood River. Bartlett nearly complete, Comice near harvest Jackson Co. Apple harvesting underway, Gravenstein nearly complete Willamette Valley. Golden Delicious nearing harvest, Gala almost finished, Milton Freewater. Blueberry harvest near completion Benton Co. Picking blackberries continued some mold problems Washington Co. Cranberry crop uniform development southern coast. Sweet corn, snap bean harvesting continued Willamette Valley. Early onions harvested Willamette Valley, Umatilla Co. Processing potatoes harvested Hermiston area. Some potato field hail damaged Klamath basin. Garlic seed harvesting Crook Co. Livestock good to excellent across State. Pasture varies poor to good both eastern, western regions. Recent rains improved pasture, reduced fire danger. Range, pasture 28% poor, 29% fair, 39% good, 4% excellent.

PENNSYLVANIA: Commonwealth experienced an unseasonably cool, wet week. Temperature 66°, 3° below normal. Extremes 50°; 90°. Precipitation 1.63 in., 0.79 in. above normal.

Days suitable for fieldwork 1. Soil moisture 4% short, 48% adequate, 48% surplus. Corn 93% silk, 84% 1989, 95% avg.; 44% dough, 32% 1989, 62% avg.; 9% dent, 5% 1989, 20% avg.; 1% mature, 0% 1989, 2% avg.; ensilage corn harvested 1% complete, 3% 1989. Corn 4% poor, 19% fair, 44% good, 33% excellent. Soybean 2% poor, 19% fair, 48% good, 31% excellent. Wheat harvest 100% complete, 100% 1989; planted 1% complete, 2% 1989. Oat harvest 91% complete, 87% 1989. Barley planted 4% complete, 3% 1989. Tobacco harvest 15% complete, 23% 1989. Potato harvest 23% complete, 27% 1989. Second cutting alfalfa 86% complete, 79% 1989. Third cutting alfalfa 40% complete, 29% 1989. Fourth cutting alfalfa 5% complete, 4% 1989. Second cutting clover timothy 66% complete, 59% 1989. Quality of

hay made mostly poor. Feed from pasture 1% very poor, 8% poor, 65% fair, 26% good. Apple harvest 16% complete, 19% 1989. Peach harvest 54% complete, 47% 1989. Grapes harvest 5% complete, 0% 1989. Fall plowing 15% complete, 20% 1989. Activities: Harvesting hay, haylage, wheat, oats, potatoes, fruits, vegetables; repairing fence; weed control; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

PUERTO RICO: Rainfall 0.97 in. was 0.76 in. below normal. Highest rainfall 5.55 in. at Adjuntas Aes; 2.83 in. at San Sebastian; 2.57 in. at Dorado. Highest 24 hour 2.00 in. at Dorado. Divisional temperatures 82 to 85° on the Coasts; 76 to 79° in Interior with mean station 68° at Pico Del Este Luquillo to 85° at Roosevelt Roads N.S. Extremes 59°; 96°.

SOUTH CAROLINA: Temperatures 1° above normal in southern to 1 to 2° above normal in central State. Rainfall over 1.00 in. central to over 3.00 in. in mountains.

Days suitable for fieldwork 4.8. Soil moisture 7% very short, 35% short, 58% adequate. Cotton 1% very poor, 6% poor, 93% fair, 18% open bolls, 9% 1989, 21% avg. Soybeans 6% poor, 61% fair, 33% good; 86% blooming, 78% 1989, 84% avg.; 48% setting pods, 49% 1989, 51% avg. Corn poor to fair, 94% matured, 81% 1989, 85% avg.; 49% harvested, 17% 1989, 25% avg. Sorghum fair, 24% harvested, 19% 1989, 16% avg. Tobacco fair, 73% harvested, 73% 1989, 75% avg.; 8% stalks destroyed, 6% 1989, 8% avg. Peanuts fair, 3% harvested, 4% 1989, 2% avg. Watermelons fair, 91% harvested, 90% 1989, 94% avg. Cantaloupes fair, 88% harvested, 87% 1989, 92% avg. Peaches fair, 95% harvested, 95% 1989, 96% avg. Pastures 1% very poor, 34% poor, 56% fair, 9% good.

SOUTH DAKOTA: Temperatures 5° above to 5° below normal. Extremes 49°; 101°. Precipitation widespread, west below normal, above normal elsewhere. Maximum 3.02 in. Growing season precipitation above normal east, central, below normal west; 7.18 in. above to 4.51 in. below normal. Growing degree days generally below normal. Range 279 units above to 203 units below normal.

Days suitable for fieldwork 3.6. Subsoil 14% critically short, 50% short, 34% adequate, 2% surplus. Topsoil 7% critically short, 34% short, 52% adequate, 7% surplus. Range, pasture 2% very poor, 16% poor, 30% fair, 45% good, 7% excellent. Crop mostly good. Some corn going for silage, some fall grain seeding. Grasshopper, green bug, corn borer, weed problems. Major activities: Spraying, fallow work, other fieldwork, harvest preparation.

TENNESSEE: Low pressure area moved across State 21st, followed by weak cold front that became stationary to south of State 22nd. Weak high pressure dominated State remainder of week. Temperatures above normal most areas, slightly below normal northeast. Limited precipitation east, most areas dry.

Days suitable for fieldwork 5.9. Soil moisture 40% very short, 35% short, 23% adequate, 2% surplus. Corn 80% dough, 100% 1989, 98% avg.; 54% dent, 74% 1989, 82% avg.; 14% mature, 20% 1989, 36% avg.; 1% very poor, 7% poor, 61% fair, 30% good, 1% excellent. Cotton 8% open bolls, 8% 1989, 14% avg.; 7% poor, 66% fair, 27% good. Sorghum 90% headed, 100% 1989, 99% avg.; 42% turning color, 70% 1989, 76% avg.; 6% poor, 42% fair, 52% good. Soybeans 84% blooming, 88% 1989, 90% avg.; 58% setting pods, 62% 1989, 71% avg.; 13% poor, 52% fair, 33% good, 2% excellent. Tobacco 88% topped, 82% 1989, 83% avg.; 2% poor, 32% fair, 61% good, 5% excellent. Burley tobacco 24% harvested, 28% 1989, 32% avg. Dark fired tobacco 28% harvested, 30% 1989, 31% avg. Dark air cured tobacco 32% harvested, 28% 1989, 30% avg. Pastures 5% very poor, 25% poor,

44% fair, 25% good, 1% excellent. Cattle 2% poor, 34% fair, 62% good, 2% excellent. Primary activities: Feeding cattle, hauling water, harvesting tobacco, preparing for fall seeding.

TEXAS: Weak front, couple of upper air disturbances triggered showers, thunderstorms west early week. Upper disturbance brought thunderstorms north midweek, while Gulf moisture increased showers coastal, central areas. Hot, dry weather rule over state late week, upper level high pressure strengthened. Although all districts reported rainfall, amounts below normal. Temperatures slightly above normal Northern High Plains, most north slightly below normal parts Plains, Trans Pecos, Coastal Bend.

Crops: Corn beginning dry down Plains. Harvest begin couple of weeks, weather permitting. Harvest continued Blacklands, aflatoxin numbers high many fields. Yields remained low. Most harvest completed central. Harvest winding down Upper Coast. Corn mature 75%, 64% 1989, 66% avg.; harvested 63%, 57% 1989, 58% avg. Grain sorghum fields Plains quickly turning color under warmer temperatures. Some wilting Low Plains. Harvest continued Blacklands, varied yields. Harvest increasing Hill Country. Most harvest completed central, south. Harvest continued Upper Coast with minor delays. Sorghum mature 73%, 62% 1989, 60% avg.; harvested 54%, 50% 1989, 53% avg. Cotton progress Plains, Cross Timbers. Some dryland fields improved recently. Insect activity increased, producers were busy with spray programs. Harvest activity increased Blacklands. More fields also defoliated. Prospects remained good Trans Pecos. Insects present moderate to high numbers. Harvest full swing central with open weather. Harvest continued east down to Upper Coast. Ginning drawing to close Coastal Bend, Valley. Cotton setting bolls 97%, 92% 1989, 96% avg.; harvested 13%, 9% 1989, 10% avg. Land preparations small grains resumed Plains with mostly open weather. Some planting occurred. Land preparations increased parts Blacklands. Wheat planted 0%, 3% 1989, 2% avg. Soybeans continued good progress Plains. Some fields beginning dry down for harvest. Harvest continued Blacklands. Yields not shown much improvement, later fields need rain. Harvest also Upper Coast. Later fields received some rain last week. Rice harvest experienced few delays Upper Coast from evening showers. Yields have remained good. Peanut harvest nearing south, where most fields look good. Fields Hill Country some leaf spot. Prospects remained good Cross Timbers. Only light disease problems existed. Other field crops: Peanuts 4% harvested; 1% 1989, 2% avg. Soybeans harvested 7%, 1% 1989, 3% avg.

Commercial Vegetables: Rio Grande Valley, land preparations, planting continued. Planted fields showing good emergence under steady irrigation. Eastern State, sweet potato harvest continued varied yields, quality. Some watermelons also harvested. Planting continued. High Plains, onion, potato harvest drawing to end. Other vegetable harvest continued without delay. Trans Pecos, continued scattered rains slowed harvest some fields. Pecan producers continued spray programs last week. Weevils becoming problem areas. Nuts shell hardening stage.

Range and Livestock: Ranges, pastures dry down parts east, central. Second hay cutting underway many areas. Livestock gains continued good most areas. Hot temperatures affected dairy cattle, poultry. Flies increasing around cattle. Range, pasture 2% very poor; 16% poor; 43% fair; 34% good; 5% excellent.

UTAH: Temperatures 2° below normal, precipitation was light to moderate except for Dixie area which was almost zero.

Days suitable for fieldwork 6.6. Soil moisture 89% short, 11% adequate. Small grain harvest winding down. Barley 96% harvested, 90% 1989, 90% avg. Spring wheat 95% harvested, 92% 1989, 88% avg. Oats for grain 82% harvested. Second cutting alfalfa virtually finished except Rich County, other very late areas. Fall land preparation underway. Winter wheat 5% planted, 7% 1989, 9% avg. Third cutting alfalfa hay 30% completed, 41% 1989, 27% avg. Field corn in dough stage 46%, 57% 1989, 61% avg. Peach harvest full swing; yield, quality good Weber, Box Elder Counties, poor elsewhere. Non irrigated range, pasture condition 3% very poor, 49% poor, 48% fair. Cattle coming off federal land some areas.

VIRGINIA: Temperatures above normal in central, northern areas, below normal elsewhere. Above normal rainfall.

Days suitable for fieldwork 3.5. Topsoil 15% short, 63% adequate, 22% surplus. Corn in dough stage 68%, 62% 1989, 70% avg.; dented 48%, 47% 1989, 49% avg.; mature 26%, 20% 1989, 30% avg.; 11% poor, 38% fair, 51% good; silage harvested 6%, 6% 1989, 9% avg.; grain harvest just beginning. Soybeans bloomed 80%, 80% 1989, 77% avg.; pods set 60%, 62% 1989, 55% avg.; 3% poor, 44% fair, 48% good, 5% excellent. Flue tobacco harvested 40%, 38% 1989, 26% avg. Fire tobacco harvested 42%, 48% 1989, 26% avg. Burley harvested 6%, 6% 1989, 4% avg. Sun cured harvested 20%, 11% 1989, 13% avg. All tobacco 1% poor, 37% fair, 62% good. Peanuts 17% fair, 83% good. Spraying peanuts for leaf spot, other diseases, spider mites. Pasture mostly fair to good. Alfalfa, other hay mostly fair to good. Livestock good. Apple harvest continued as well as tree spraying. Irrigation of vegetables, planting snap beans, cucumbers.

WASHINGTON: Temperatures normal to 9° below normal, east; 2° above normal to 6° below normal west. Precipitation 0.20 to 2.54 in. east; 0.05 to 1.14 in. west.

Days suitable for fieldwork 3.7. Soil moisture 58% short, 27% adequate, 15% surplus. Range, pasture 7% very poor, 25% poor, 25% fair, 43% good. Hay, other roughage 100% adequate. Winter wheat 3% poor, 43% fair, 36% good, 18% excellent; harvested 94%, 96% 1989, 95% avg. Spring wheat harvested 87%, 83% 1989, 88% avg. Barley harvested 90%, 80% 1989, 90% avg. Alfalfa hay, 3rd cutting, 55%, 57% 1989, 50% avg. Potatoes harvested 18%, 16% 1989, 17% avg. Heavy rains halted most fieldwork. Sprout damage could be a problem with the remaining small grain crop. Hay was also damaged. Preparation was underway for fall planting, which began this week. The golden delicious apple, pear, peach, nectarine harvests continued. The green pea harvest was complete. Many varieties of vegetables were harvested. Pasture conditions improved with the recent rains. Livestock were placed on stubble after the harvest.

WEST VIRGINIA: Temperature 72°, 2 to 4° above normal. Extremes 56°, 93°. Precipitation 1.75 in., 0.63 to 1.43 in. above normal.

Days suitable for fieldwork 1.7. Soil moisture 7% short, 50% adequate, 43% surplus. Pasture 18% fair, 59% good, 23% excellent. Cattle, sheep good. Wheat good to excellent, 92% harvested. Oats good; 97% harvested. Corn good to excellent; 96% silked, 60% dough, 3% mature. Hay good; second cutting 50% complete, third cutting 23% complete. Apples, peaches poor. Tobacco fair to good, 72% topped, 12% harvested. Farm activities: Making hay, clipping pastures, small grain harvesting, topping, harvesting tobacco, chopping silage, general farm maintenance.

WISCONSIN: Temperature 69°, 2° above normal. Extremes 41°; 88°. Precipitation 0.40 to 2.00 in. Days suitable for fieldwork 2.9. Soil moisture 9% short, 64% adequate, 27% surplus. Pasture 1% very poor, 2% poor, 24% fair, 54% good, 19% excellent. General condition of crops 10% fair, 87% good, 3% excellent. Soybean 87% of normal. Soybeans 4% turned, 5% 1989, 9% 3 year avg. Corn 1% poor, 15% fair, 76% good, 8% excellent; 39% in dough, 57% 1989, 69% avg.; 9% in dent, 13% 1989, 31% avg. Second cut hay 88% completed, 89% 1989, 90% avg. Third cut hay 22% completed, 19% 1989, 29% avg. Oats 80% harvested, 90% 1989, 91% avg. In general, crop progress behind normal due to the cool, wet weather.

WYOMING: Temperatures above normal. Precipitation above normal.

Days suitable for fieldwork 6.0. Topsoil 26% short, 74% adequate. Winter wheat 5% mature, 0% 1989, 0% avg.; 95% harvested, 100% 1989, 100% avg. Barley 20% mature, 20% 1989, 20% avg.; 80% harvested, 80% 1989, 70% avg. Spring wheat 30% mature, 10% 1989, 20% avg.; 70% harvested, 90% 1989, 75% avg. Oats 40% mature, 20% 1989, 25% avg.; 60% harvested, 80% 1989, 65% avg. Dry beans 25% turning color, 40% 1989, 45% avg.; small amount windrowed, small amount 1989. Corn 30% silked; 30% milk, 55% 1989, 60% avg.; 35% dough, 35% 1989, 35% avg.; 5% dented, 10% 1989. 1991 winter wheat 5% seeded, 5% 1989. Alfalfa second cutting 65% complete, 75% 1989, 75% avg. Other hays 90% harvested, 95% 1989, 90% avg. Fall grazing prospects 5% poor, 35% fair, 60% good. Current range, pasture 5% very poor, 10% poor, 85% good. Stockwater 40% short, 60% adequate.

International Weather and Crop Summary

HIGHLIGHTS

August 19-25, 1990

SOUTHEAST ASIA ... Dry, warm weather dominates northern and central Thailand. Tropical Storm Becky brings inundating rain to the Philippines.

SOUTH AMERICA ... Dry, mild weather promotes early wheat growth in Argentina. Locally heavy rain falls in south-central Brazil.

AUSTRALIA ... Moderate to heavy rain continues favorable preseason soil moisture levels for winter grains in the southeast.

CANADA ... Showers in the southeastern Prairies cause some delays in early spring wheat harvesting.

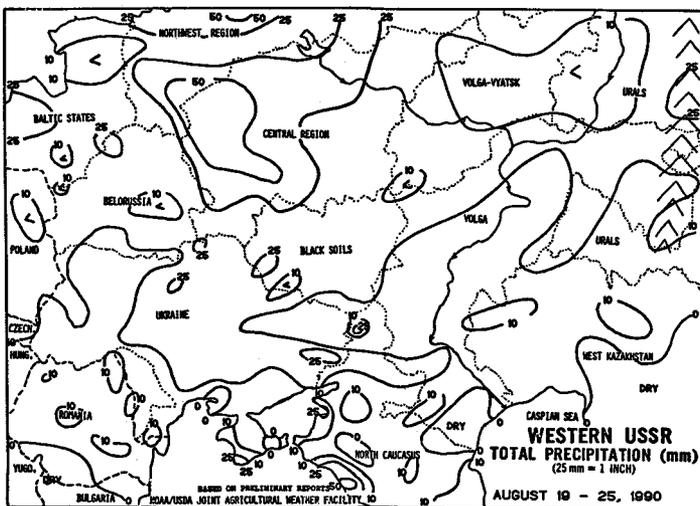
MEXICO ... Drier weather favors harvesting in the north. Scattered rain continues in the Southern Plateau.

USSR ... In Western USSR, light to moderate rain continues to slow small grain harvesting. In the New Lands, spring grains are maturing in the north with harvest beginning in the south.

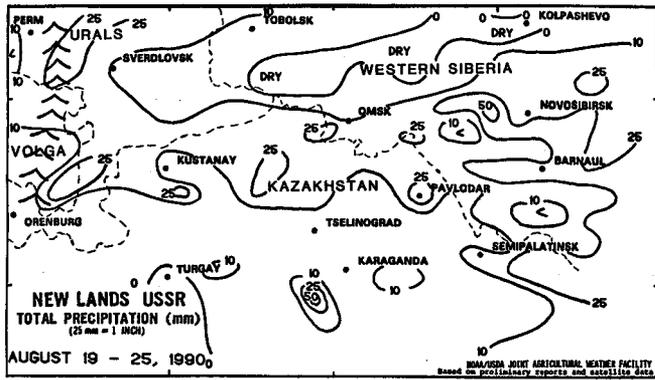
EUROPE ... Widespread rain across the north reduces dryness but causes harvest delays. Much needed rain brings temporary relief from dryness in sections of the Balkans.

EASTERN ASIA ... Typhoons Yancy and Zola strike southeastern Chinese crop areas and Japan, respectively. Heavy rain returns to the Korean Peninsula.

SOUTH ASIA ... Continued heavy rain in India's primary groundnut region causes some local flooding and damage to reproductive crops.

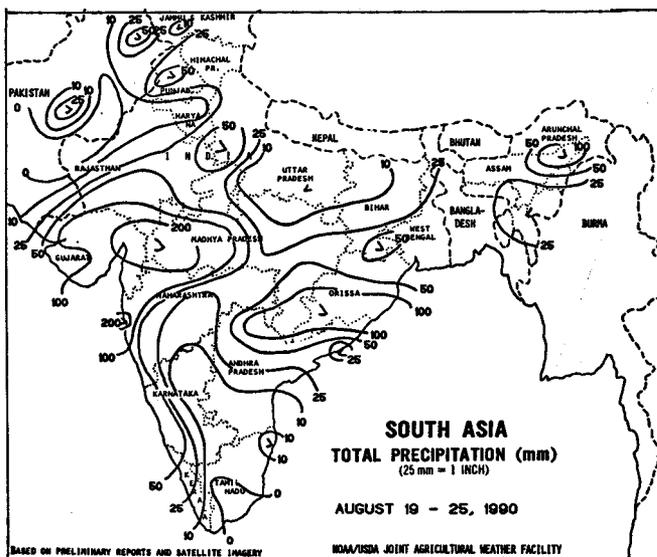
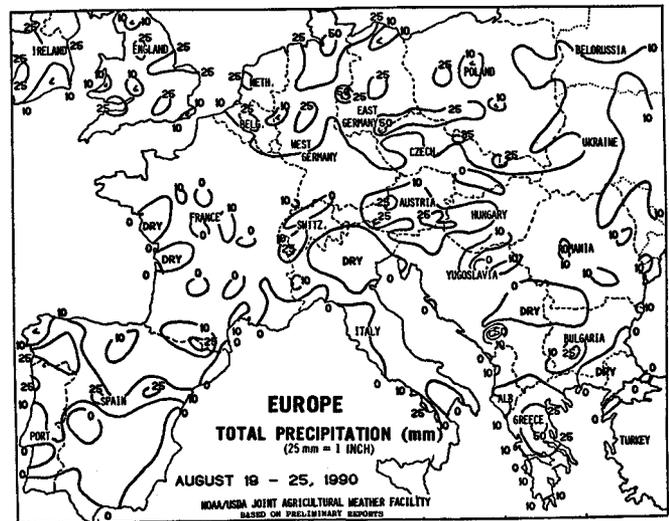


USSR ... In Western USSR, a storm system moved gradually eastward across the northern portion of the region, producing light to moderate rain. Greatest amounts of rain (25-50mm, with local amounts in excess of 50mm) covered the southern portion of the Northwest Region and the western portion of the Central Region, interrupting the small grain harvest as well as planting of the 1991 winter grain crops. The optimum winter grain planting dates range from late August in the extreme north to late September in southernmost crop areas. Harvest continued to progress slowly during the week. As of August 20, reports indicate small grains and pulses have been harvested on about half of the sown area. Summer crops such as corn, sunflowers, and sugarbeets continued mostly in the filling stage. The bulk of summer crop harvests takes place from late September to mid-October.

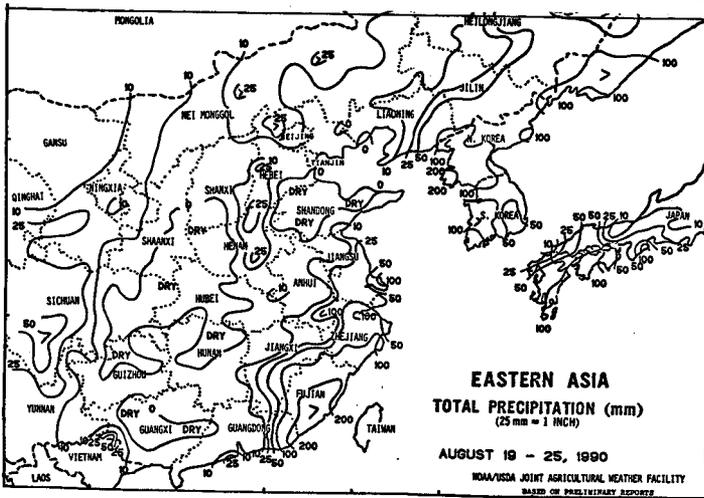


In the New Lands, crop progress for spring grains ranged from maturing to mature in the north and south, respectively. Harvest work progressed in the south, helped by dry weather. The bulk of spring grains are usually harvested in September. Unseasonably cool, wet weather stretched eastward across the central portion of the region, slowing crop maturation and early harvest activities. In south-central USSR cotton areas, seasonably warm, dry weather favored cotton development. Reports indicate cotton bolls are opening 1-2 weeks earlier than usual. The cotton harvest usually begins in September and extends through November.

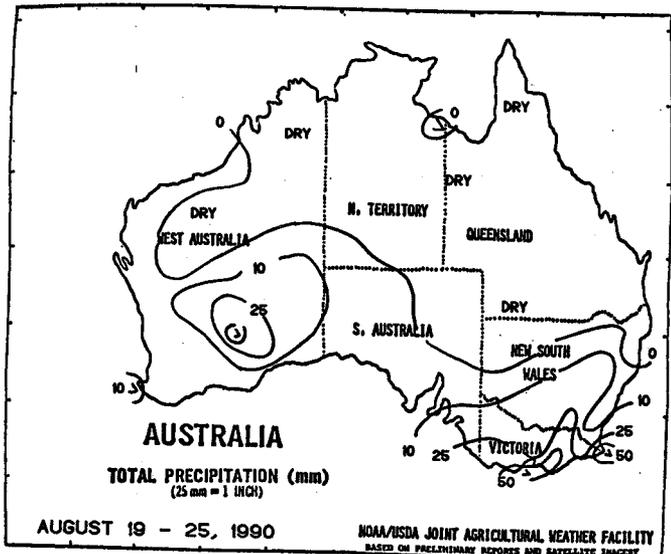
EUROPE ... Widespread rain (5-30mm, with isolated amounts greater than 30mm) fell from Ireland and England eastward to Poland, reducing dryness in northwestern sections but delaying spring and late winter grain harvests. In the southeast, scattered moderate to heavy rain (15-50mm, with isolated amounts in excess of 50mm) helped reduce long-term dryness in sections of Greece, Bulgaria, Albania, and southern Yugoslavia. The precipitation was the most widespread in the region since early June. In the southwest, scattered showers (5-25mm, with isolated amounts greater than 25mm) brought limited relief from moisture stress and above-normal temperatures (2-5 degrees C above normal). However, long-term dryness and unseasonable heat across much of the region during the past several months has likely reduced the yield potential of nonirrigated summer crops, especially corn and sunflowers.



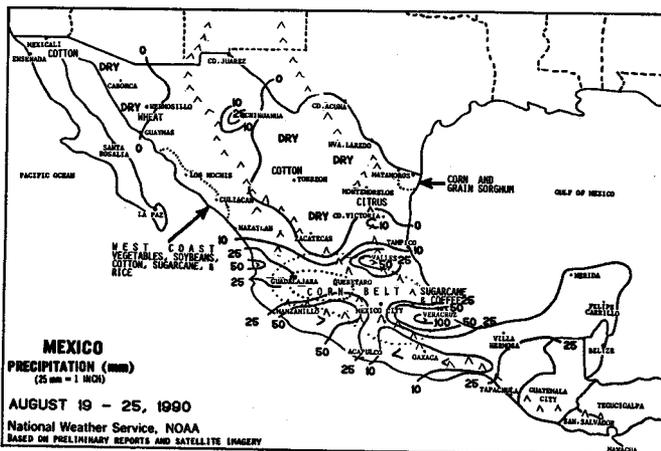
SOUTH ASIA ... Heavy rain (97-233mm) fell for the second week over India's Gujarat state, soaking reproductive groundnuts but likely causing flooding and some crop damage. Heavy showers (128-256mm) also covered the summer crop regions of western Madhya Pradesh and local crop areas from northwestern Andhra Pradesh to eastern Orissa. In contrast, drier weather returned to the southern interior, with most areas from Maharashtra southward receiving less than 25mm. In the north, scattered showers (11-82mm) boosted irrigation reserves in northern Pakistan and north-central India, but mostly dry weather continued from Uttar Pradesh to northern West Bengal. Moderate to heavy rain (25-100mm or more) in Bangladesh and India's eastern states maintained abundant moisture reserves.



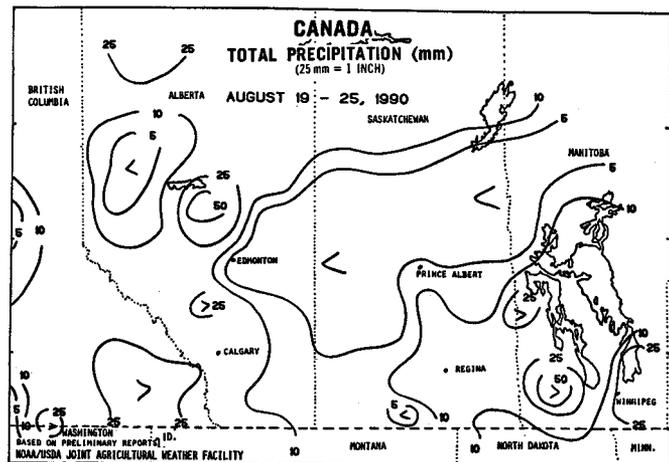
EASTERN ASIA ... Typhoon Yancy crossed northern Taiwan on the 19th and moved into central Fujian Province on the 20th, bringing torrential rain (100-200mm, with isolated amounts in excess of 200mm) to much of western Taiwan and sections of southeastern China. Rain from the storm caused localized flooding but benefited late crop rice and other secondary crops in interior southeastern China, following several weeks of below-normal rainfall. On the 22nd, Typhoon Zola struck southwestern sections of Japan with very heavy rain (100-150mm, with isolated amounts in excess of 200mm) and 140-160 km per hour winds. The storm also brought heavy rain (50-100mm) to extreme northern Honshu and Hokkaido as it passed on the 23rd. Very heavy rain (100-225mm) also fell over central and western sections of the Korean peninsula, returning soils to saturation and causing localized flooding.



AUSTRALIA ... Moderate to heavy rain (15-30mm) fell over central and southern New South Wales and Victoria, keeping soil moisture at favorable pre-season levels for winter grains. Seasonably dry weather continued in northern New South Wales and Queensland, favoring the sugarcane harvest in coastal sections. Cool temperatures (1-3 degrees C below normal) slowed growth and development of winter grains in central Queensland. In the southwest, heavy rain (25-70mm) fell across interior desert sections of Western Australia, while only light amounts (less than 10mm) fell in crop areas. Temperatures in Western Australia continued cooler than normal (1-2 degrees C below normal), following a below-normal trend during much of August.



MEXICO ... Drier weather prevailed over the northern half of the Nation, following generous rainfall in recent weeks which has been especially helpful in the northwest. The dryness favored harvesting of corn, cotton, and vegetables across the region. In the Southern Plateau, scattered showers produced variable rainfall in the major corn growing region. Weekly amounts generally averaged 10-50mm, with heavier rain (50-110mm) soaking the southeast portion in the vicinity of Veracruz. Some early corn harvesting is underway, but the majority of the crop is in grain development stages. Mostly light rain (less than 10mm) fell in the Yucatan peninsula.



CANADA ... Moderate to heavy rain (10-25mm or more) in spring wheat regions of east-central Saskatchewan and Manitoba hampered early harvests. Local heavy showers (42-68mm) in Manitoba's western crop areas caused some lodging. Rainfall elsewhere in the Prairies ranged from 1 to 9mm. Weekly temperatures averaged 2-4 degrees C above normal in eastern Saskatchewan and Manitoba, benefiting crop growth. However, temperatures averaged near to below normal in the western Prairies crop regions, with local frost (minimum temperatures 0 to -1 degrees C) reported in Alberta's Peace River Valley and some northern crop regions of Saskatchewan. On the average, the first frost of the season usually occurs during late August in these areas.

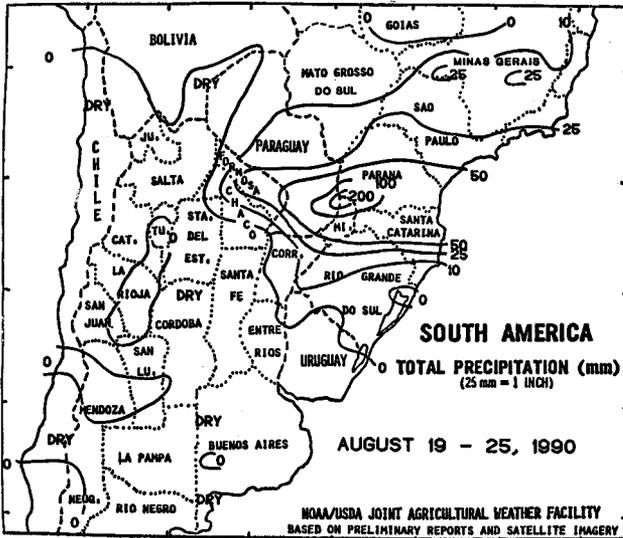
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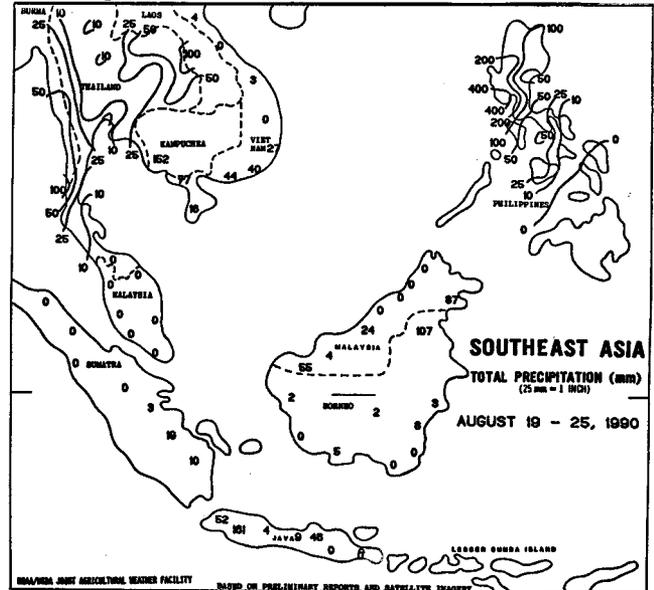
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SOUTH AMERICA ... In Argentina, dry and mild weather prevailed throughout the wheat growing areas, allowing late planting and promoting early crop development. Mean temperatures averaged 2-4 degrees C above normal for the week, maintaining unseasonably high soil moisture loss. Moisture is adequate in the short-term for wheat growth, but reserves are limited. In south-central Brazil, locally heavy rain (50-200mm or more) fell in Santa Catarina and much of Parana, soaking grain filling wheat. A total of 180mm fell at Foz du Iguacu, in southwestern Parana, on the 19th. Weekly rainfall averaged 10-48mm throughout the remainder of the wheat belt and coffee areas of Sao Paulo and Minas Gerais, favoring wheat development and new coffee tree buds. Showers diminished to 5mm or less in eastern Rio Grande do Sul.



SOUTHEAST ASIA ... Unseasonably dry, warm weather again dominated Thailand's northern and central crop regions, with many areas from the Northern Hills southward to Bangkok reporting less than 10mm of rainfall. Temperatures averaged 1-3 degrees C above normal, with highs in most areas ranging from 35 to 38 degrees C, maintaining the above-normal evaporative losses that have been prevalent much of the season. In contrast, beneficial rain (25-97mm) continued over rice areas of northeastern Thailand and the eastern Khorat Plateau. In the Philippines, Tropical Storm Becky produced heavy rains (100-300mm or more) and high winds in northern and western Luzon, causing local flooding and crop damage. Dry weather covered Mindanao and most of the central islands.

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