

WEEKLY WEATHER AND CROP BULLETIN

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

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

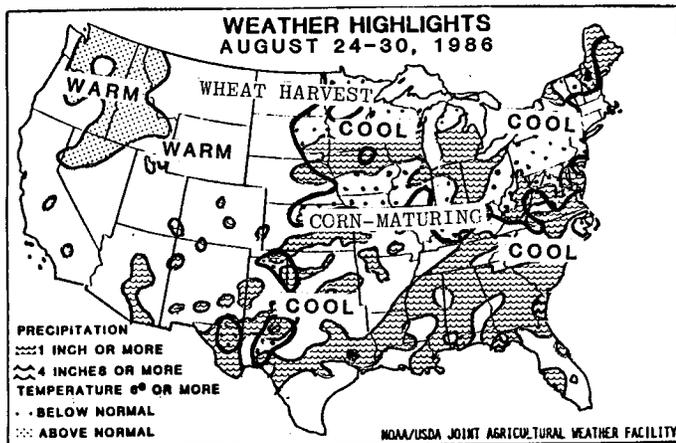
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National Weather Summary

August 24 to 30, 1986



HIGHLIGHTS: Autumn-like weather pushed into the upper Mississippi Valley and Great Lakes regions early in the week, and by midweek the coldest air of the season plunged southward from Canada. The cold air covered the Nation east of the eastern Great Plains and into northern Florida. Many record-cold temperatures were set through the East. Showers and thunderstorms developed along the edge of the cold air as it moved southward and eastward. The heaviest showers fell from western Texas to the Great Lakes and from the Mississippi Delta to the mid-Atlantic States and eastward to the Atlantic Ocean. Scattered thunderstorms spread from the Southwest through the Rockies and Plateau to the Northwest. Cool weather continued over much of the Nation at the week's end.

SUNDAY... Strong thunderstorms were scattered in Colorado, Utah, and from Arizona through most of Texas. Lighter storms were scattered in Arkansas, Missouri, and from the Tennessee Valley to the Carolina coast. Showers fell in the upper Mississippi Valley and from western New York through New England. It was cool from the Great Lakes through the Northeast, but warm weather pushed northward over the High Plains.

MONDAY... Widespread showers and thunderstorms developed through the Southwest, the central Rockies, and most of the Plains. The heaviest showers were in the northern Plains and western Corn Belt. Thunderstorms were also along the eastern gulf coast with showers scattered through the Northeast. Cool weather continued in the Northeast with warm temperatures across the South and through the Plains.

TUESDAY... Showers and thunderstorms covered much of the Nation from the Southwest to the Great Lakes

and New England and eastward to the Appalachians. Heavy showers fell in the central Plains, the Great Lakes, the Ohio Valley, and New York. Isolated heavy showers fell in the Southwest, the gulf coast, and Tennessee Valley. Unusually warm weather reached northward to the central Mississippi Valley and the Ohio Valley.

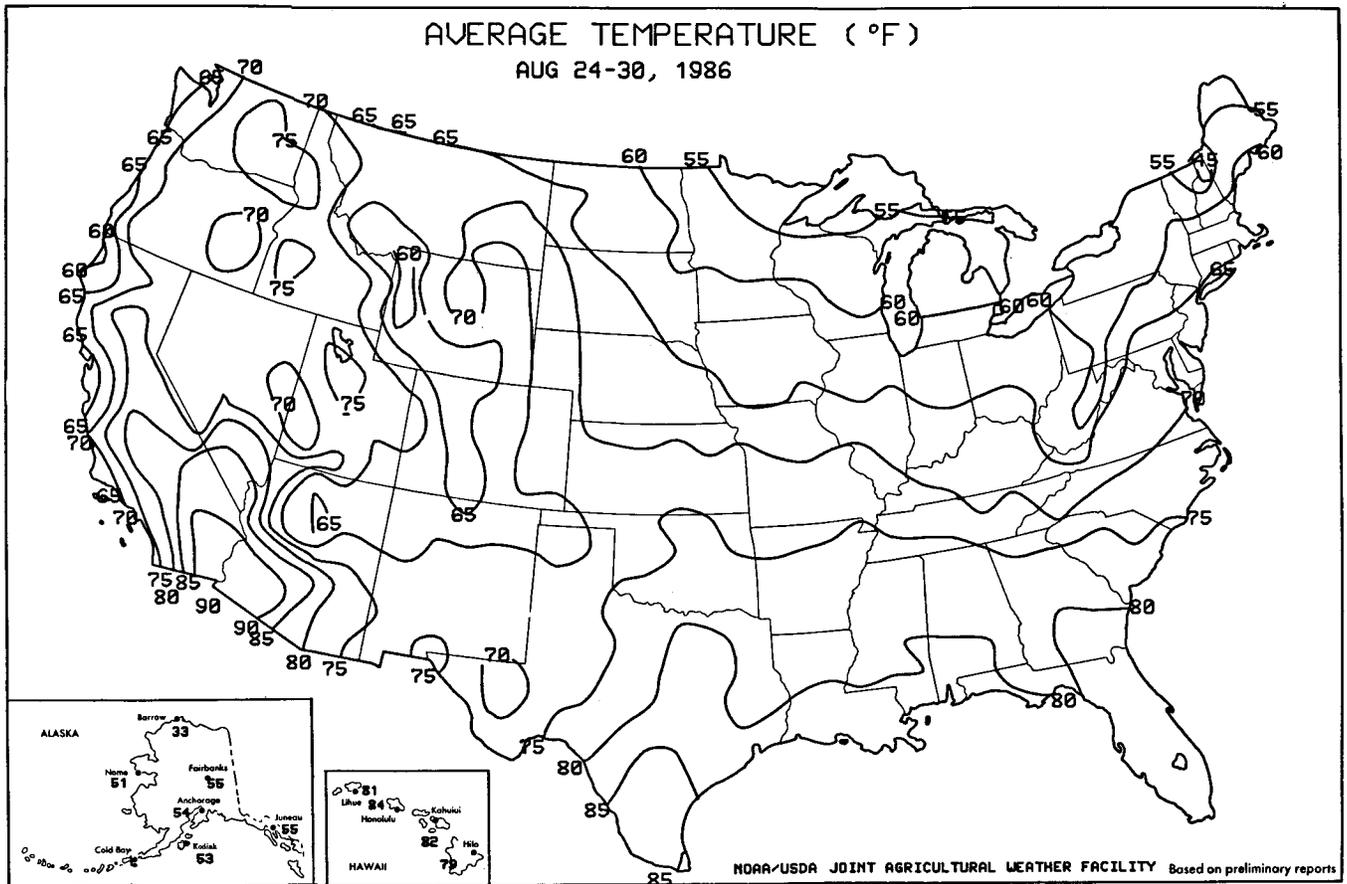
WEDNESDAY... Thunderstorms covered the Southwest, the central Plateau, and from Texas through the central Plains. In the East, showers and thunderstorms reached from the lower Mississippi Valley to New England and to the Atlantic Ocean. Much cooler air pushed southward behind the showers with record-cold temperatures in the upper Mississippi Valley.

THURSDAY... Thunderstorms spread from Arizona into the Northwest. Ahead of the colder air, showers and thunderstorms reached from Texas across the South and through the East Coast States. Record-cold temperatures were in much of the Midwest and Great Lakes region as the colder air reached into the South and through the Plains. Warm air covered the Northern Rockies and High Plains.

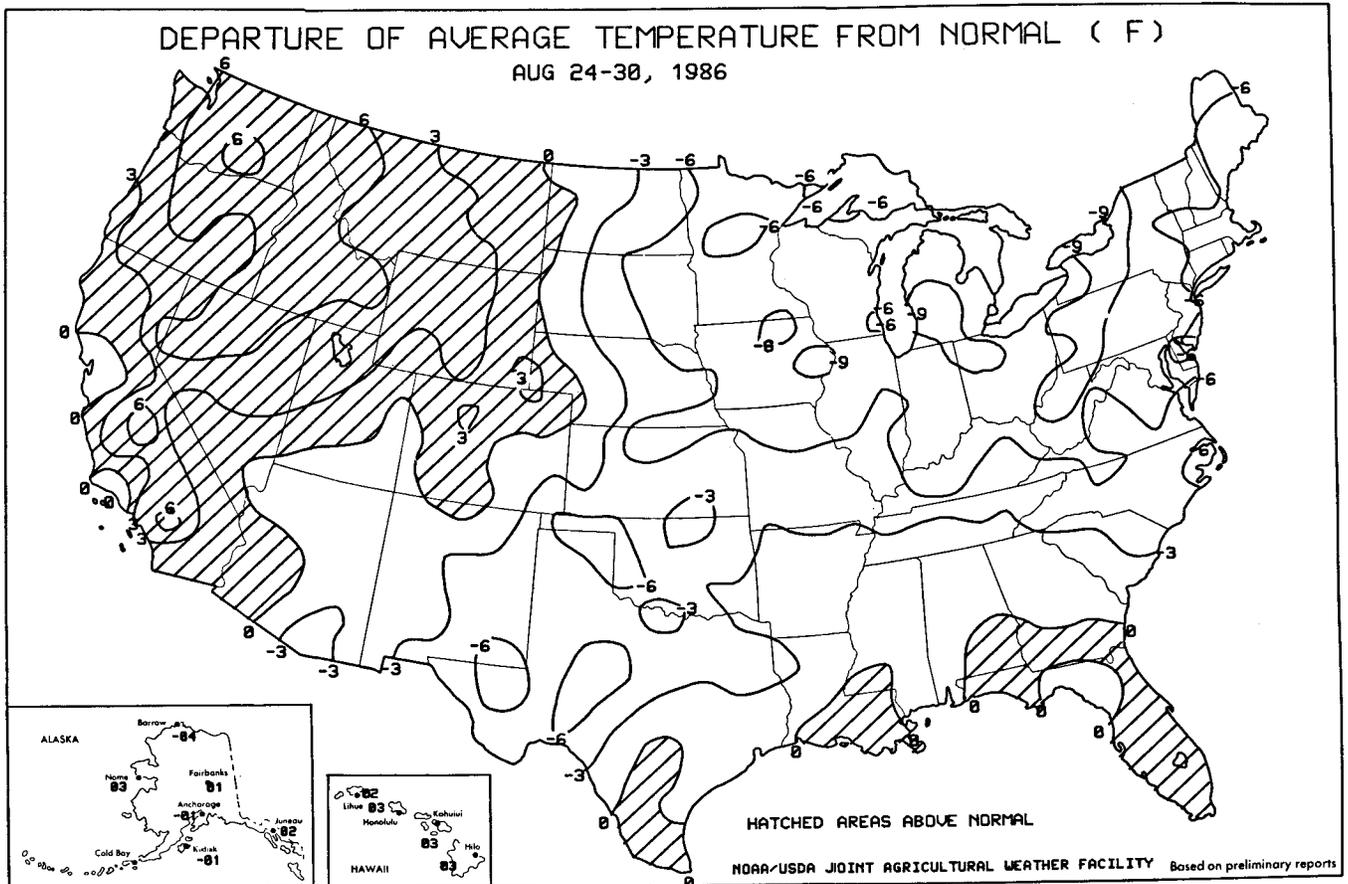
FRIDAY... A large dome of cold air, centered in Pennsylvania, covered the East to the Gulf of Mexico and to the eastern Great Plains. Showers and thunderstorms spread along the back side of the cold air through the Rockies and into the North-west. Thunderstorms covered the southeastern coast and northern Florida.

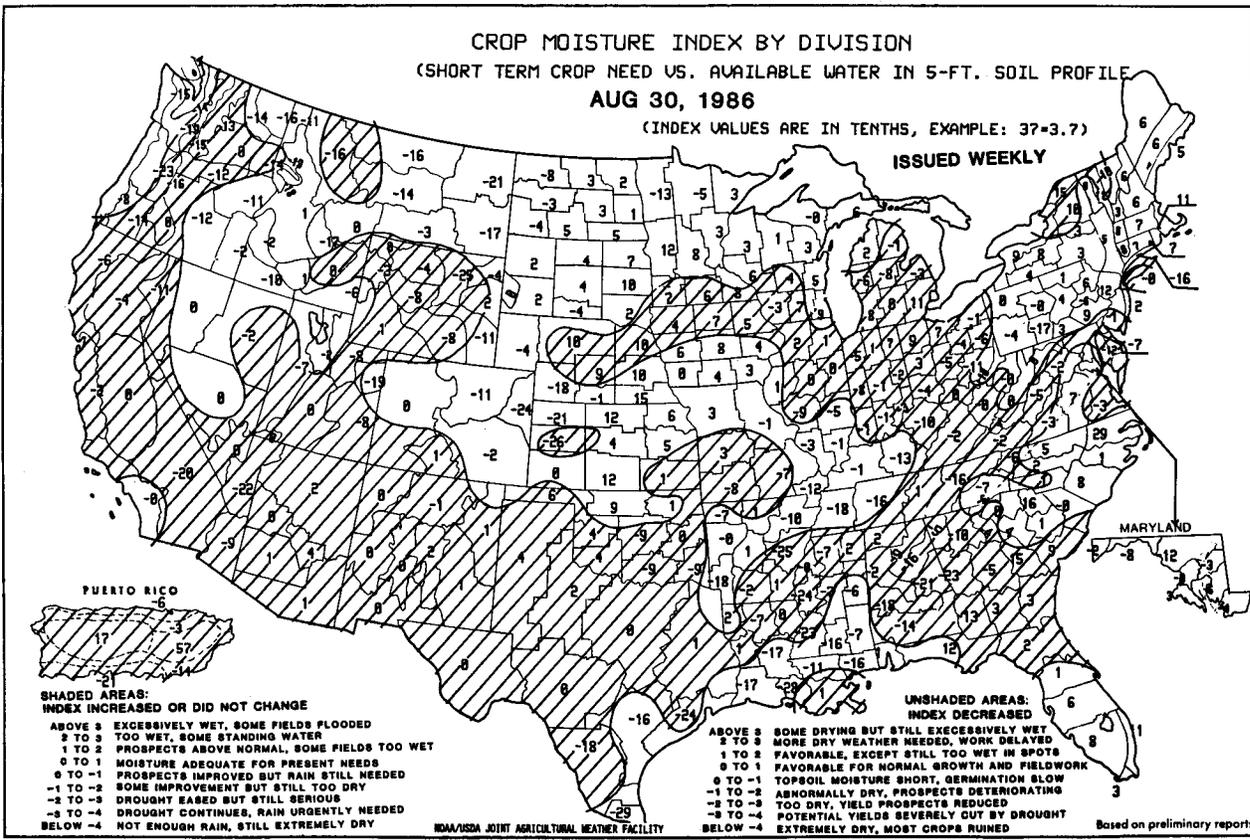
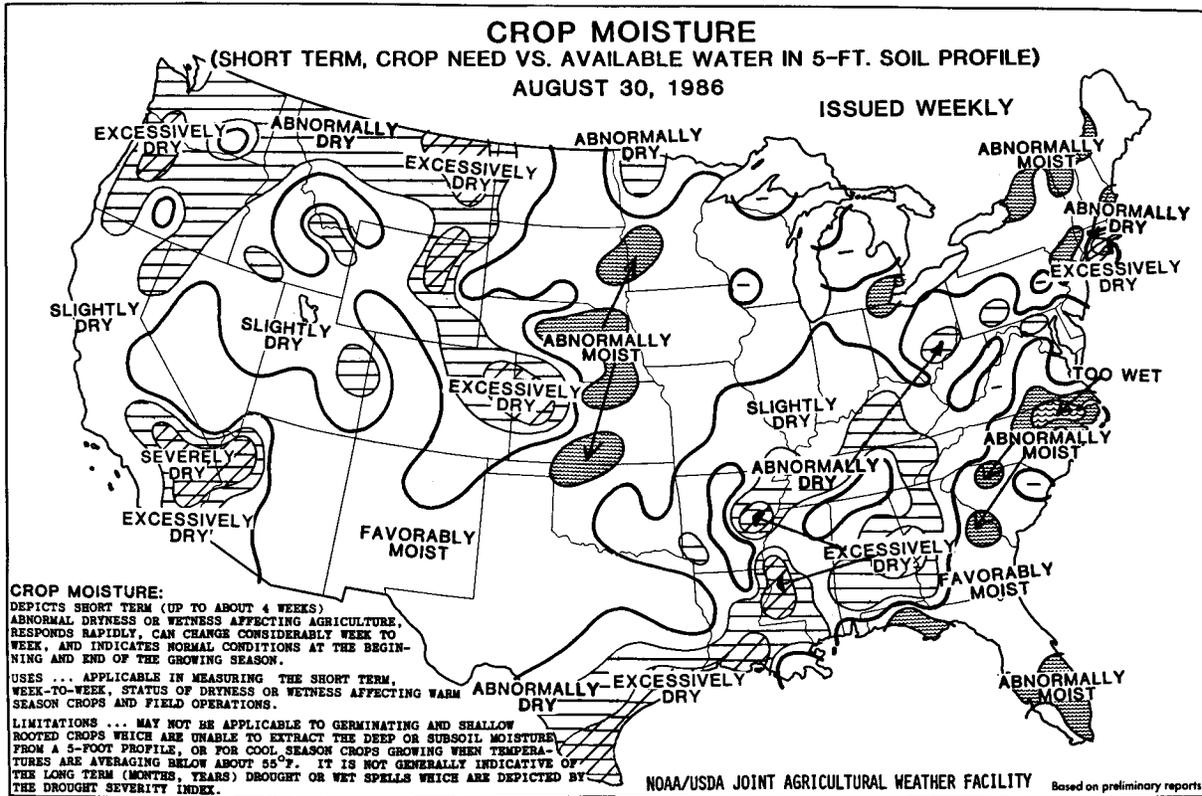
SATURDAY... Record-cold temperatures covered the lower Mississippi Valley and the Southeast. On the back side of the cold air, showers and thunderstorms spread from the Rockies into the central and northern Plains. Thunderstorms were frequent along the leading edge of the cold air in the Southeast.

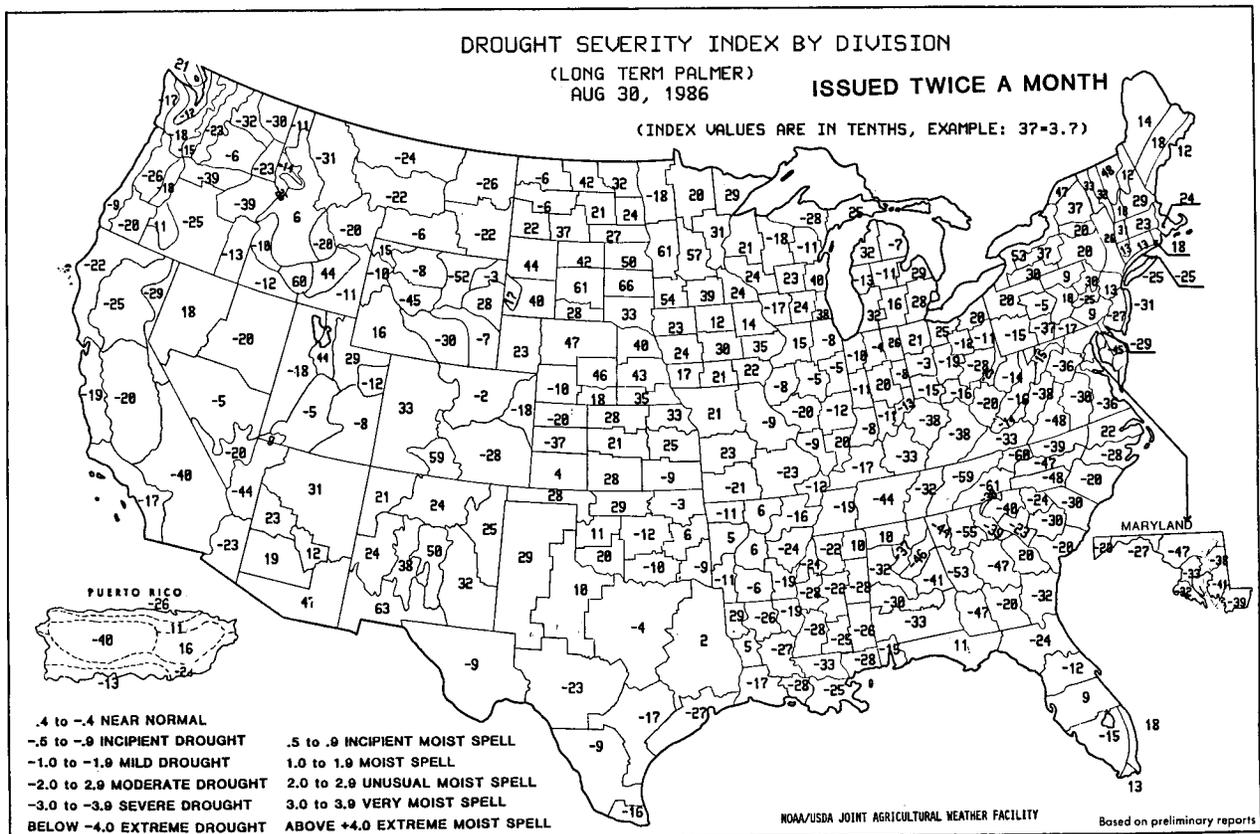
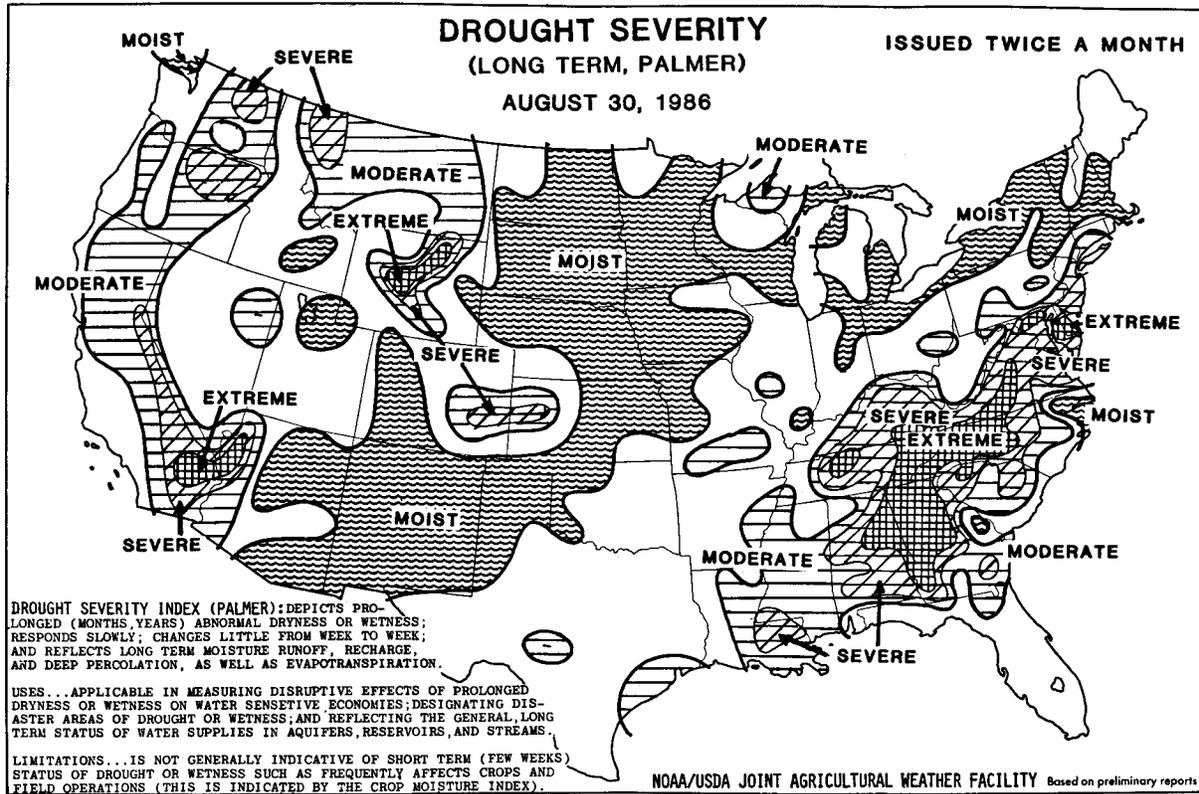
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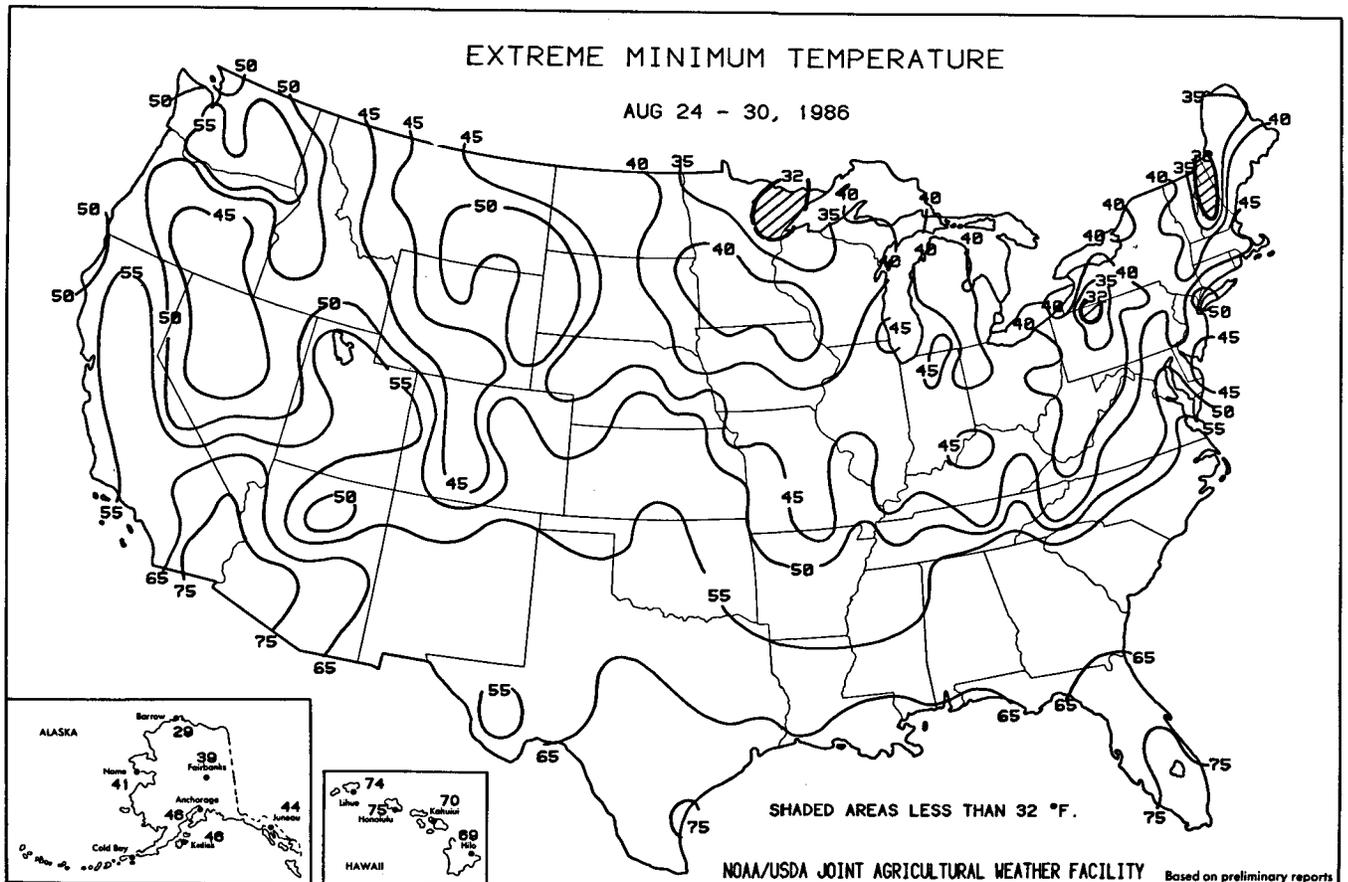
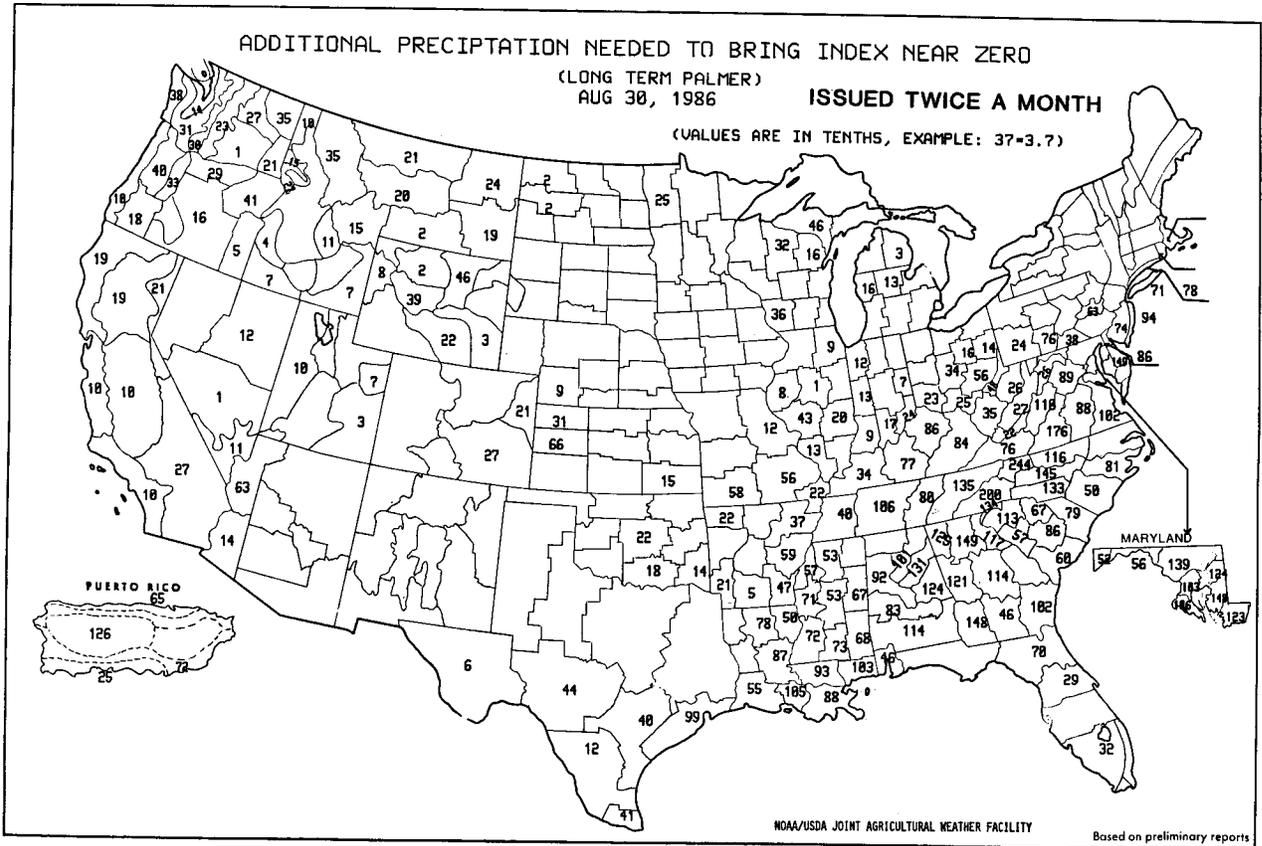


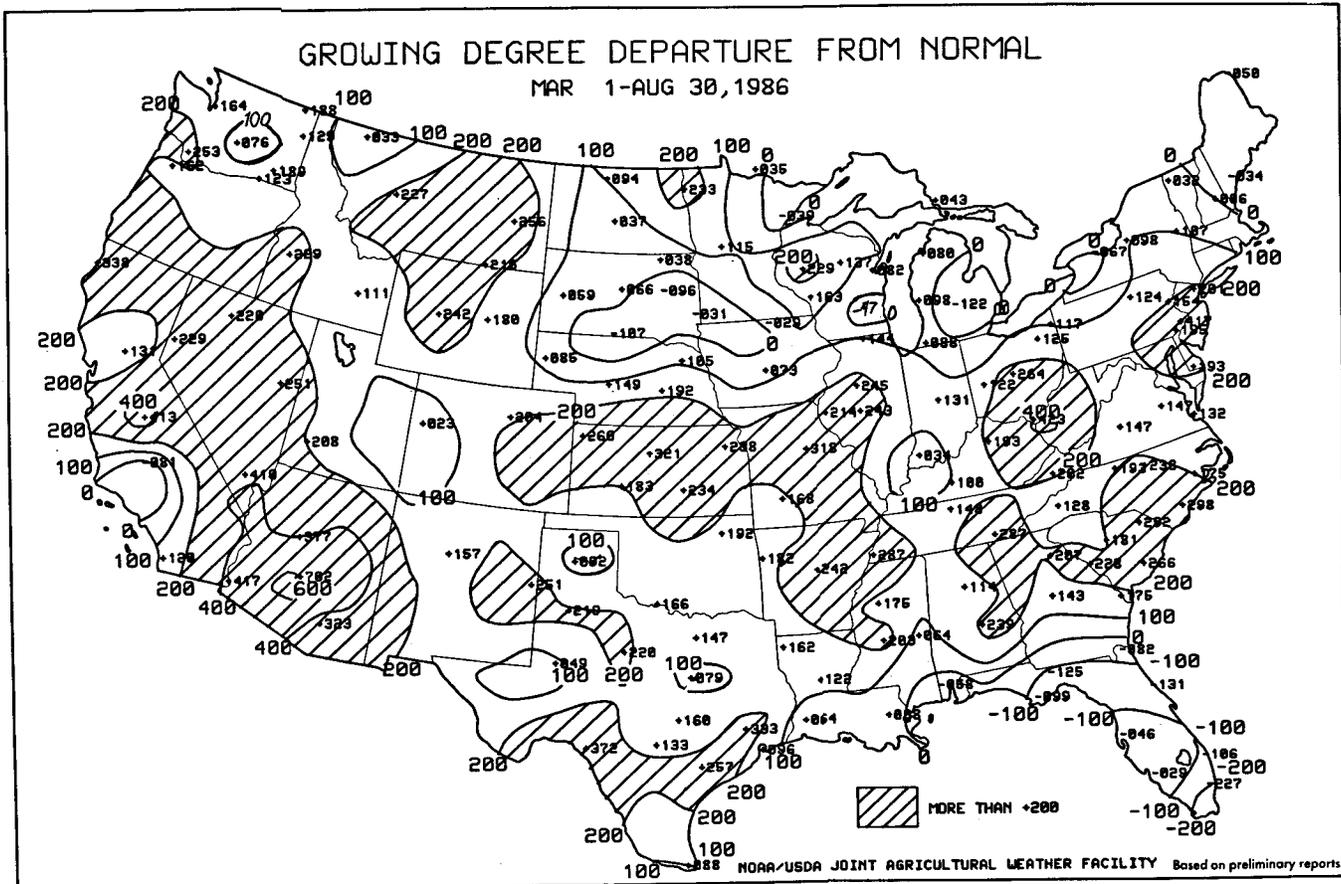
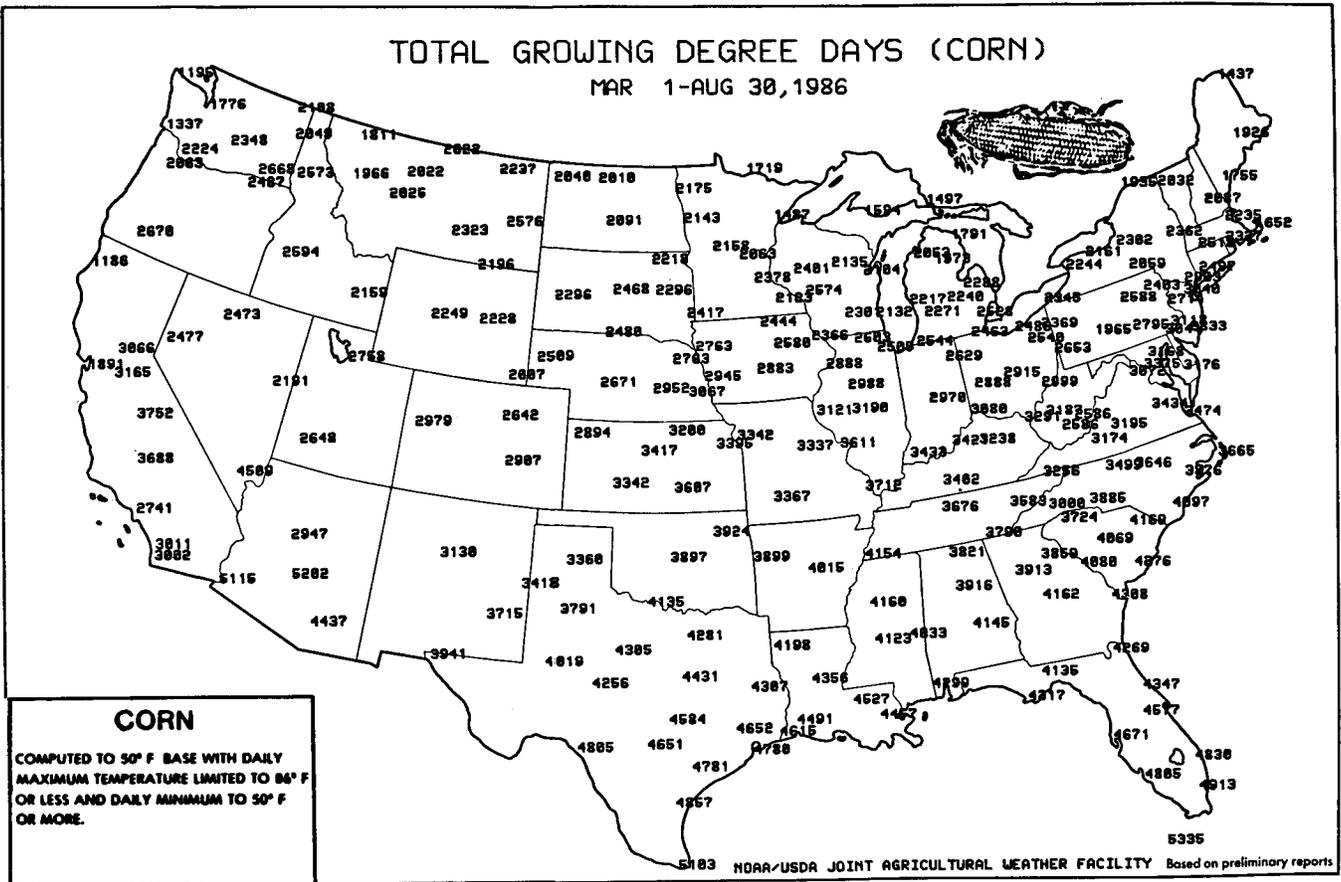
Point values may differ on these computerized maps from the reported values in the tables.











National Weather Data for Selected Cities

Weather Data for the Week Ending August 30, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE °F		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	83	65	94	56	74	-5	2.5	1.6	1.4	8.6	67	21.7	56	94	52	4	0	2	2
MOBILE	87	69	97	64	78	-3	.8	-.7	.6	20.2	105	38.0	82	96	58	3	3	3	1
MONTGOMERY	86	69	97	61	77	-3	1.2	-.4	.8	8.6	76	30.3	88	95	54	4	0	2	1
AK ANCHORAGE	58	49	63	46	53	-1	.5	0	.1	5.8	113	9.2	106	95	69	0	0	5	0
BARROW	36	30	38	29	33	-.4	.1	-.1	.1	1.5	69	2.0	65	97	80	6	6	2	0
FAIRBANKS	63	46	70	39	55	.5	.5	-.1	.2	5.3	109	6.6	93	92	51	0	0	3	0
JUNEAU	60	49	65	44	55	.1	1.3	-.1	.4	12.0	101	34.3	118	97	70	0	0	5	0
KODIAK	57	50	61	46	53	-1	2.4	1.1	.9	21.4	174	47.3	109	98	77	0	0	6	0
NOME	57	45	59	41	51	.3	.1	-.7	0	5.8	90	7.5	79	86	62	0	0	3	0
AZ PHOENIX	99	76	102	73	87	-1	1.2	-.9	-.7	2.4	128	5.3	120	78	33	7	7	5	1
PRESCOTT	80	58	84	56	69	0	.4	-.3	-.2	4.6	66	8.1	62	87	48	0	0	1	0
TUCSON	91	70	94	67	81	-.3	1.2	-.8	-.9	5.4	115	9.3	127	86	41	6	6	2	1
YUMA	102	82	105	80	92	1	0	-.1	0	.6	102	1.1	69	72	36	7	7	0	0
AR FORT SMITH	87	63	96	51	75	-.4	.1	-.6	.1	10.2	105	27.4	101	93	40	3	3	3	0
LITTLE ROCK	86	65	95	53	76	-.3	.1	-.5	.1	10.5	123	27.5	89	77	46	4	4	1	0
CA BAKERSFIELD	97	67	99	64	82	1	0	0	0	T	0	4.3	108	64	23	7	7	0	0
BUREKA	66	52	70	49	59	2	0	-.1	0	.2	23	27.4	120	99	75	0	0	0	0
FRESNO	99	66	102	63	83	.5	0	0	0	T	0	9.7	137	65	21	7	7	0	0
LOS ANGELES	76	62	80	59	69	-1	0	-.1	0	.1	64	13.0	153	94	62	0	0	0	0
RED BLUFF	94	63	94	63	79	-1	0	-.1	0	0	0	21.9	166	61	22	1	1	0	0
SACRAMENTO	91	57	94	56	74	0	0	-.1	0	0	0	16.3	151	86	26	5	5	0	0
SAN DIEGO	80	66	84	64	73	1	0	-.1	0	.1	71	7.7	122	91	59	0	0	0	0
SAN FRANCISCO	69	53	75	50	61	-2	T	T	T	5	18.6	148	96	59	0	0	0	0	0
CO DENVER	85	57	89	53	71	.2	T	-.3	3.3	66	8.5	73	75	25	0	0	1	0	
GRAND JUNCTION	84	59	90	53	72	-.2	.1	-.2	0	2.1	115	4.5	87	78	31	2	2	0	0
PUEBLO	85	58	90	51	71	-1	.1	-.2	.1	4.8	102	7.0	83	91	29	1	1	0	0
CT BRIDGEPORT	72	56	81	46	64	-.7	.1	-.7	.1	9.6	97	19.9	73	85	46	0	0	2	0
HARTFORD	74	50	84	40	62	-.7	.3	-.7	.2	15.0	146	30.0	105	85	38	0	0	3	0
DC WASHINGTON	77	58	87	49	68	-.9	.7	-.3	.5	10.4	90	19.7	74	85	42	0	0	2	0
FL APALACHICOLA	88	71	97	62	80	-.2	6.4	4.5	4.2	18.1	95	33.4	92	94	65	4	4	3	0
DAYTONA BEACH	91	73	93	72	82	1	.3	-1.2	.3	20.9	117	32.6	102	98	58	5	5	2	0
JACKSONVILLE	88	72	96	67	80	-1	3.2	1.5	1.2	15.4	82	32.9	88	98	67	4	4	4	0
KEY WEST	89	80	90	76	85	1	.2	-1.2	.1	15.1	113	21.2	92	84	65	3	3	2	0
MIAMI	91	77	93	74	84	2	.7	-1.0	-.4	24.2	110	50.5	135	89	56	7	7	4	0
ORLANDO	93	75	96	73	84	2	.2	-1.1	.2	21.3	100	34.3	97	96	49	7	7	2	0
TALLAHASSEE	86	68	97	61	77	-.4	2.7	1.1	1.2	32.6	146	49.1	105	98	63	3	3	4	2
TAMPA	92	74	94	73	83	1	.6	-1.1	-.4	16.5	82	27.9	82	95	56	6	6	5	0
WEST PALM BEACH	91	77	92	75	84	2	.1	-1.5	.1	24.4	125	39.7	108	90	58	7	7	2	0
GA ATLANTA	81	65	92	55	73	-.4	1.3	-.6	.7	11.2	98	22.2	63	94	54	2	2	4	2
AUGUSTA	83	67	95	56	75	-.4	3.9	3.0	1.6	19.3	159	30.3	94	94	56	2	2	3	3
MACON	83	67	95	57	75	-.5	.9	-.1	.5	8.7	73	19.9	60	96	58	4	4	4	1
SAVANNAH	85	69	98	57	77	-.3	3.6	2.2	1.6	28.1	108	33.7	90	93	65	4	4	3	3
HI HILO	85	71	87	69	78	.2	.4	-1.7	.3	21.0	114	01.9	122	90	66	0	0	2	0
HONOLULU	92	76	92	75	84	.3	.2	-.1	.1	2.4	149	5.3	37	85	50	7	7	0	0
KAHULUI	89	75	94	70	82	.3	T	-.1	T	.6	49	10.6	79	86	56	1	1	0	0
LIHUE	85	77	86	74	81	.2	.6	-.2	.3	6.7	123	14.1	54	87	71	0	0	3	0
ID BOISE	92	60	100	54	76	6	0	-.1	0	.6	37	10.0	130	56	21	6	6	0	0
LEWISTON	90	61	101	56	75	.5	.4	.2	-.4	1.3	50	7.1	84	49	26	4	4	1	0
POCATELLO	89	53	94	48	71	.1	.1	-.6	.6	.6	28	9.6	130	77	22	4	4	0	0
IL CHICAGO	75	50	85	42	64	-.7	.7	-.2	.6	8.9	80	18.3	78	89	43	0	0	3	1
MOLINE	76	50	90	40	63	-.7	.2	-.7	.2	14.9	116	27.8	104	95	45	1	1	1	0
PEORIA	77	50	89	41	64	-.7	1.2	-.4	1.2	15.3	137	22.5	91	93	43	0	0	1	1
QUINCY	79	51	91	42	65	-.7	.2	-.7	.2	12.7	105	22.7	86	93	41	2	2	1	0
ROCKFORD	74	50	85	41	62	-.7	.8	-.1	.7	9.0	71	20.0	78	93	46	0	0	2	1
SPRINGFIELD	80	52	93	43	66	-.7	.2	-.5	.2	12.7	123	20.1	83	93	37	2	2	1	0
IN EVANSVILLE	81	54	93	43	68	-.7	.1	-.5	.1	11.4	109	26.1	88	93	41	1	1	1	0
FORT WAYNE	72	49	83	40	61	-.9	1.1	-.4	1.1	18.6	183	31.3	129	96	47	0	0	2	1
INDIANAPOLIS	77	51	88	42	64	-.8	.2	-.5	.2	9.6	83	28.8	104	93	41	0	0	2	0
SOUTH BEND	72	49	81	42	60	-.9	1.2	-.3	1.2	13.1	114	24.2	94	95	45	0	0	1	1
IA DES MOINES	76	54	89	41	65	-.7	.3	-.7	.3	15.5	136	30.3	132	88	49	0	0	1	0
STOUX CITY	76	54	90	39	65	-.6	.5	-.5	.5	10.5	101	23.3	120	93	53	1	1	1	1
WATERLOO	74	50	87	40	62	-.6	1.1	-.3	.6	12.5	100	26.0	107	93	51	0	0	3	1
KS CONCORDIA	79	60	90	52	70	-.5	.1	-.7	.1	18.0	166	28.2	138	88	52	1	1	0	1
DODGE CITY	81	60	87	52	70	-.5	.9	-.4	.9	12.4	145	16.5	102	94	52	4	4	1	0
GOODLAND	85	56	92	48	71	0	T	-.4	T	5.9	83	11.7	91	94	34	4	4	1	0
TOPEKA	80	58	91	46	69	-.6	.3	-.6	.2	12.2	95	25.8	108	95	49	1	1	2	1
WICHITA	82	62	93	53	72	-.5	2.1	1.5	2.0	14.7	142	22.0	109	88	46	2	2	3	1
KY BOWLING GREEN	82	55	91	43	68	-.7	.1	-.7	.1	4.6	39	19.0	55	92	45	1	1	1	0
LEXINGTON	78	54	91	45	66	-.7	.5	-.4	.4	9.6	74	19.8	60	87	40	1	1	2	0
LOUISVILLE	79	55	92	46	67	-.7	.2	-.6	.2	11.6	106	24.4	80	88	40	1	1	2	0
LA ALEXANDRIA	90	68	97	57	79	-.3	1.9	1.4	1.8	14.9	130	26.3	68	81	44	4	4	3	1
BATON ROUGE	90	71	97	65	80	-.1	T	-1.0	T	15.7	104	35.4	89	92	49	4	4	1	0
LAKE CHARLES	91	69	96	61	80	-.1	.1	-1.1	.1	14.9	100	29.3	83	95	49	5	5	1	0
NEW ORLEANS	88	73	97	71	80	-.1	2.4	1.0	1.8	19.2	112	30.6	73	95	56	3	3	3	1

Based on 1951-80 normals.

Weather Data for the Week Ending August 30, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMPERATURE °F		PRECIPITATION	
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME SHREVEPORT	89	65	96	54	77	-4	.5	-1	.5	19.5	204	34.2	113	93	43	4	0	3	0		
ME CARIBOU	60	45	70	35	52	-6	1.8	-9	1.6	9.8	88	23.4	100	96	63	4	0	4	1		
ME PORTLAND	72	48	83	40	60	-6	.3	-4	.2	9.2	107	28.6	106	88	43	0	0	2	0		
MD BALTIMORE	77	54	86	45	65	-9	.4	-6	.4	9.8	81	19.7	69	86	38	0	0	1	0		
MD SALISBURY	77	54	87	45	65	-6	.8	-4	.5	9.0	67	20.1	65	95	45	0	0	2	1		
MA BOSTON	74	55	82	47	65	-5	.7	-2	.4	15.0	164	27.6	98	84	37	0	0	3	0		
MA CHATHAM	70	54	74	47	62	-4	1.1	.1	.7	20.9	217	33.2	111	87	61	0	0	3	1		
MI ALPENA	69	44	73	37	56	-6	.2	-6	.2	10.5	112	19.1	97	97	44	0	0	1	0		
MI DETROIT	71	51	77	43	61	-8	.8	.1	.8	11.6	121	22.8	105	91	41	0	0	1	1		
MI FLINT	71	47	76	39	59	-7	2.9	2.2	2.9	12.6	135	21.2	104	95	45	0	0	2	1		
MI GRAND RAPIDS	69	48	76	41	59	-9	2.1	1.3	2.1	17.8	174	31.0	137	94	48	0	0	1	1		
MI HOUGHTON LAKE	66	48	73	37	57	-6	.4	-3	.4	10.3	116	21.3	114	87	51	0	0	2	1		
MI LANSING	70	46	75	36	58	-8	.8	.1	.8	14.5	157	24.1	119	93	47	0	0	1	1		
MI MARQUETTE	66	43	73	36	54	-6	.2	-6	.1	10.1	99	21.4	87	95	53	0	0	3	3		
MI MUSKEGON	68	47	75	41	58	-9	1.6	.8	1.6	7.9	99	17.2	85	92	47	0	0	1	1		
MI SAULT STE. MARIE	64	45	71	37	55	-6	.1	-8	.1	14.8	154	24.5	118	95	51	0	0	1	1		
MN ALEXANDRIA	70	50	81	43	60	-4	.4	-4	.4	15.2	145	27.8	152	92	54	0	0	2	0		
MN DULUTH	66	44	79	32	55	-5	.5	T	T	17.5	147	26.6	126	93	49	0	1	0	0		
MN INT'L FALLS	68	43	78	36	55	-5	.5	T	T	8.0	77	13.6	80	94	44	0	0	0	0		
MN MINNEAPOLIS	72	52	85	44	62	-6	.2	-6	.1	13.8	124	27.0	136	93	53	0	0	3	3		
MN ROCHESTER	70	48	86	41	59	-7	2.0	1.1	1.1	14.2	122	24.8	119	94	56	0	0	5	1		
MS GREENWOOD	89	65	97	52	77	-3	1.2	.6	1.1	6.0	57	20.1	54	95	41	4	0	2	1		
MS JACKSON	90	66	101	56	78	-2	.2	-7	.1	10.7	98	28.1	76	96	40	4	4	0	3		
MS MERIDIAN	90	66	99	55	78	-2	1.1	.4	1.1	10.4	86	27.5	73	95	47	4	4	1	1		
MO CAPE GIRARDEAU	81	59	95	45	70	-1	.4	-4	.2	8.9	85	30.1	98	93	52	2	2	0	0		
MO COLUMBIA	82	54	94	42	68	-6	.3	-4	.3	8.3	83	21.6	86	93	36	2	2	1	1		
MO KANSAS CITY	80	58	92	43	69	-5	.1	-8	.1	14.1	113	23.3	94	88	47	1	1	0	0		
MO SAINT LOUIS	82	57	98	47	70	-6	.3	-3	.2	9.3	94	18.9	78	85	37	2	0	2	0		
MO SPRINGFIELD	81	59	92	47	70	-5	.7	-1	.4	9.3	85	20.3	77	92	45	2	0	3	0		
MT BILLINGS	85	56	91	53	71	4	.4	T	T	3.6	91	11.4	104	68	23	2	2	0	0		
MT GLASGOW	83	54	93	43	69	3	.3	0	0	4.0	72	8.0	85	60	23	2	1	0	0		
MT GREAT FALLS	85	54	93	49	70	5	.5	T	T	3.6	70	9.6	81	66	22	2	0	0	0		
MT HAVRE	83	52	95	46	68	3	.3	0	0	3.1	69	10.0	115	62	25	1	1	0	0		
MT HELENA	85	52	91	48	68	5	.1	-2	.1	3.7	88	7.5	86	72	23	1	1	0	1		
MT KALISPELL	85	50	93	45	68	7	.4	0	.4	3.9	85	11.6	106	82	26	2	0	1	1		
MT MILES CITY	86	57	92	52	72	3	.1	-2	.1	4.8	87	10.5	96	65	23	3	0	1	1		
MT MISSOULA	87	51	97	47	69	6	.4	.5	.3	4.4	122	10.2	110	77	23	3	0	2	0		
NE GRAND ISLAND	79	56	90	50	68	-4	.2	-1	.1	9.3	105	17.4	96	89	47	1	1	2	0		
NE LINCOLN	78	57	90	45	67	-5	.5	T	T	14.6	141	26.3	128	89	53	1	1	0	0		
NE NORFOLK	77	55	91	40	66	-9	.9	.4	.6	12.1	120	23.7	125	92	51	1	0	2	1		
NE NORTH PLATTE	84	56	94	47	70	0	.4	T	T	5.1	60	13.6	86	91	39	4	0	2	0		
NE OMAHA	76	57	88	44	67	-4	.4	T	T	9.5	81	24.3	108	87	58	0	0	0	0		
NE SCOTTSBLUFF	86	55	92	51	70	2	.2	T	T	10.5	180	17.3	148	92	31	2	0	1	0		
NE VALENTINE	81	53	94	41	65	-4	.4	T	T	4.0	52	13.8	98	82	41	2	0	0	0		
NV ELY	85	51	89	47	68	6	.1	0	1	1.3	65	5.6	88	79	24	0	0	1	0		
NV LAS VEGAS	97	75	102	73	86	0	.0	T	T	.2	16	1.3	45	53	22	7	7	2	0		
NV RENO	90	52	94	47	71	6	.6	T	T	1.2	138	8.4	168	70	16	4	4	1	1		
NV WINNEMUCA	91	51	98	43	71	6	.6	.3	.3	.4	28	3.8	72	62	15	4	0	1	1		
NH CONCORD	72	44	83	32	58	-7	.5	-3	.4	13.2	146	27.2	118	94	38	0	1	2	0		
NJ ATLANTIC CITY	76	51	87	41	63	-3	.3	-6	.3	9.9	87	24.1	85	95	48	0	0	2	1		
NM ALBUQUERQUE	82	60	86	58	71	-1	.9	.6	.9	6.4	196	9.3	169	85	36	0	0	2	1		
NM CLOVIS	80	64	85	61	72	-3	1.0	.5	.7	7.6	98	11.9	96	77	48	0	0	3	1		
NM ROSWELL	81	64	89	61	73	-5	1.5	-1	.9	8.8	201	11.6	184	96	53	0	0	4	1		
NY ALBANY	71	49	79	40	60	-7	.6	-2	.6	16.2	170	30.7	131	93	46	0	0	2	1		
NY BINGHAMTON	67	49	77	42	58	-7	.7	T	T	15.2	147	30.5	125	83	44	0	0	0	0		
NY BUFFALO	71	50	81	42	61	-7	.3	-7	.2	9.6	99	24.3	101	88	40	0	0	2	0		
NY NEW YORK	74	60	84	52	67	-7	.2	-7	.2	9.9	90	24.1	85	82	45	0	0	1	1		
NY ROCHESTER	70	46	80	39	58	-9	.1	-6	.1	11.0	131	22.4	108	96	48	0	0	0	0		
NY SYRACUSE	70	48	80	42	59	-9	.5	-4	.2	13.5	122	27.0	104	91	44	0	0	4	0		
NC ASHEVILLE	75	54	84	42	64	-7	.1	-1.0	0	7.7	58	17.5	52	99	55	0	0	3	0		
NC CHARLOTTE	81	62	89	54	71	-5	.5	-4	.4	8.1	73	15.9	52	91	49	0	0	2	0		
NC GREENSBORO	77	56	86	45	67	-8	.2	-7	.2	12.3	100	18.3	62	97	56	0	0	2	1		
NC HATTERAS	80	63	85	59	72	-6	.7	-7	.7	21.5	139	35.0	98	92	59	0	0	1	1		
NC NEW BERN	82	61	90	57	71	-7	.1	-1.3	0	21.3	120	34.9	95	95	54	0	0	3	0		
NC RALEIGH	80	58	91	49	69	-7	2.0	1.1	1.2	18.3	148	28.9	98	95	54	1	1	2	2		
NC WILMINGTON	77	52	90	43	64	-8	.8	-1.0	.4	26.9	138	43.2	114	91	52	3	0	3	0		
ND WILMINGTON	84	63	92	57	73	-5	.5	-1.0	.4	9.8	146	17.3	143	94	41	0	0	2	0		
ND BISMARCK	75	50	88	42	63	-3	.2	-2	.1	10.6	117	18.0	121	94	47	0	0	2	0		
ND FARGO	72	49	82	38	60	-5	.1	-4	.1	10.6	117	18.0	121	94	47	0	0	2	0		
ND GRAND FORKS	75	46	83	31	61	-3	.1	T	T	6.2	75	11.3	83	94	35	0	1	1	0		
ND WILLISTON	82	50	91	41	66	-1	.1	T	T	9.0	153	16.7	158	82	26	2	0	0	0		
OH AKRON-CANTON	72	49	85	42	61	-8	.5	-2	.5	8.0	76	18.5	79	91	40	0	0	2	2		
OH CINCINNATI	77	52	90	43	64	-8	2.2	1.6	1.5	8.7	77	20.7	73	91	38	0	0	2	2		
OH CLEVELAND	71	51	84	44	61	-8	1.2	.5	1.2	9.7	95	25.6	105	88	44	0	0	2	1		
OH COLUMBUS	76	51	90	40	63	-8	.8	.7	.7	10.7	93	21.7	81	91	38	1	0	2	1		

Based on 1951-80 normals.

Weather Data for the Week Ending August 30, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	72 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	75	51	90	41	63	.8	1.2	.6	1.2	13.3	130	27.6	110	93	42	1	0	2	1
TOLEDO	72	48	77	39	60	.9	2.2	1.5	2.0	14.6	149	25.6	115	96	46	0	0	3	1
YOUNGSTOWN	71	45	84	38	58	.8	.6	.2	.5	20.8	190	30.9	119	98	47	0	0	2	0
OK OKLAHOMA CITY	85	66	93	58	75	.4	1.1	.5	.8	6.7	73	21.7	99	81	44	3	0	2	0
TULSA	84	64	93	54	74	.6	.3	.5	.2	9.3	85	25.0	94	89	47	3	0	2	0
OR ASTORIA	71	57	81	52	64	.4	.1	.3	.1	2.8	56	35.7	92	96	67	0	0	1	0
BURNS	86	49	95	42	68	.3	T	.2	T	.7	36	7.6	169	—	—	2	2	0	0
MEDFORD	90	56	99	50	73	.4	T	0	.5	33	10.2	93	88	29	4	1	0	0	
PENDLETON	87	61	101	57	74	.5	T	.1	.5	35	7.5	100	56	23	3	0	0	0	
PORTLAND	82	61	100	56	72	.5	.1	.2	.1	1.6	51	18.2	86	88	45	2	0	1	0
SALEM	83	55	98	46	69	.4	T	.2	T	1.7	75	22.5	100	92	39	2	0	0	0
PA ALLENTOWN	73	53	80	41	63	.8	T	.1	T	10.7	90	27.5	93	87	39	0	0	1	0
ERIE	72	52	84	42	62	.5	.6	.3	.6	12.0	112	27.2	109	83	43	0	0	2	0
HARRISBURG	73	53	82	42	63	.6	.1	.7	.1	13.0	128	29.2	111	93	41	0	0	2	0
PHILADELPHIA	76	54	85	44	65	.9	.4	.5	.4	9.8	83	23.7	84	86	41	0	0	2	0
PITTSBURGH	73	48	83	40	60	.6	.1	.6	.1	14.0	135	24.8	95	80	36	0	0	1	0
SCRANTON	70	50	79	40	60	.6	T	.8	T	18.0	177	32.6	140	85	43	0	0	1	0
RI PROVIDENCE	73	53	81	44	63	.6	.3	.6	.2	12.5	129	28.7	98	87	44	0	0	3	0
SC CHARLESTON	83	67	93	57	75	.4	1.6	.3	.8	20.8	103	31.3	82	98	62	2	0	4	2
COLUMBIA	84	65	94	59	75	.5	1.1	.2	.7	11.5	76	18.8	52	95	49	3	0	3	1
FLORENCE	83	63	92	55	73	.6	.9	.1	.9	11.0	74	18.9	59	95	52	2	0	2	0
GREENVILLE	80	63	89	54	71	.1	.1	.8	.1	8.1	67	20.8	59	98	54	0	0	3	1
SD ABERDEEN	74	47	83	38	61	.1	.5	0	.4	9.8	130	23.0	162	98	49	0	0	3	0
HURON	76	50	89	39	63	.6	.2	.2	.2	11.8	157	22.5	153	100	51	0	0	1	0
RAPID CITY	83	53	90	48	68	.0	T	.3	T	6.8	100	15.3	114	90	35	1	1	1	0
SIOUX FALLS	74	52	91	39	63	.6	.8	0	.6	9.3	98	19.1	106	91	53	1	0	2	1
TN CHATTANOOGA	82	65	90	57	74	.3	.5	.4	.2	6.3	57	16.8	47	94	51	1	0	3	0
KNOXVILLE	84	60	93	53	72	.4	1.2	.5	.6	5.7	51	17.0	51	94	45	3	0	3	1
MEMPHIS	87	67	96	53	77	.2	.2	.7	.2	7.8	70	21.2	58	85	45	4	0	1	0
NASHVILLE	84	62	93	49	73	.4	.1	.7	0	6.3	59	16.3	48	82	41	3	0	2	0
TX ABILENE	83	68	86	63	75	.5	.9	.2	.6	9.9	142	17.0	109	90	51	0	0	4	1
AMARILLO	78	62	85	56	70	.4	.4	.2	.2	11.8	130	16.9	114	94	59	0	0	4	0
AUSTIN	91	71	97	63	81	.3	.7	.1	.6	3.9	54	14.7	73	92	43	3	0	2	1
BEAUMONT	90	71	95	64	80	.0	.4	.1	.3	16.5	113	34.0	100	94	52	4	0	1	0
BROWNSVILLE	94	74	95	72	84	.0	T	.9	T	6.3	91	11.3	81	97	49	7	0	1	0
CORPUS CHRISTI	91	74	93	72	82	.2	T	.1	T	8.0	92	16.7	94	98	56	5	0	0	0
DEL RIO	86	73	91	72	79	.5	.4	.1	.3	5.1	102	13.2	122	80	48	2	0	3	0
EL PASO	86	65	91	63	76	.3	.3	0	.1	6.6	198	8.2	167	91	41	2	0	5	0
FORT WORTH	89	70	95	63	80	.4	.1	.4	.1	6.0	95	20.3	100	80	37	3	0	1	0
GALVESTON	86	76	89	70	81	.2	.1	.1	.1	6.6	58	14.6	59	80	58	0	0	1	0
HOUSTON	89	70	93	62	79	.3	.5	.5	.4	10.0	92	21.9	76	91	51	4	0	3	0
LUBBOCK	81	64	86	61	72	.4	.3	.3	.3	9.6	132	13.5	105	99	63	0	0	4	0
MIDLAND	83	65	90	62	74	.5	1.5	1.1	1.1	8.3	177	12.5	137	100	63	1	0	6	1
SAN ANGELO	82	67	88	64	75	.7	.7	.2	.5	5.6	116	14.4	126	94	58	0	0	5	1
SAN ANTONIO	93	73	96	64	83	.0	.4	.4	.4	12.5	166	23.1	124	87	38	6	0	1	0
VICTORIA	91	73	92	68	82	.1	.1	.1	.1	11.8	115	21.7	95	95	50	6	0	1	0
WACO	92	69	99	57	80	.3	.2	.2	.2	5.0	81	19.7	96	93	40	5	0	2	0
WICHITA FALLS	91	68	96	57	79	.4	.2	.2	.2	9.4	136	18.4	102	85	36	4	0	3	0
U. ELANDING	79	55	90	51	67	.1	1.4	1.1	.6	4.2	151	8.7	123	87	56	1	0	5	0
CEDAR CITY	82	58	85	55	70	.0	.6	.4	.4	4.0	148	8.0	114	83	33	0	0	3	1
SALT LAKE CITY	88	64	90	61	76	.4	.2	0	.1	2.6	102	15.0	140	68	29	1	0	2	0
VT BURLINGTON	69	47	76	41	58	.7	1.0	.1	.9	14.9	138	28.5	128	89	46	0	0	2	1
VA NORFOLK	79	62	93	58	70	.7	1.5	.4	.9	9.0	65	19.6	63	89	45	1	0	2	2
RICHMOND	79	56	90	47	67	.8	.5	.6	.3	15.1	111	25.9	86	93	45	1	0	2	0
ROANOKE	79	53	90	42	66	.8	.3	.6	.2	7.8	74	18.8	70	95	43	1	0	2	0
WA COLVILLE	88	57	97	48	72	.8	T	.3	T	2.9	86	14.9	137	65	32	4	0	0	0
QUILLAYUTE	73	52	82	46	62	.3	.1	.7	0	5.5	68	65.2	112	97	57	0	0	2	0
SEATTLE-TACOMA	78	60	91	57	69	.6	.1	.3	.1	1.9	56	20.6	97	72	43	1	0	2	0
SPOKANE	86	57	96	52	72	.6	T	.2	T	.9	38	10.0	97	60	26	3	0	2	0
YAKIMA	87	55	94	46	71	.4	.1	0	.1	4.0	40	5.4	110	84	30	2	0	2	0
WV BECKLEY	71	48	82	36	59	.8	.8	.1	.4	11.2	95	24.3	81	96	48	0	0	3	0
CHARLESTON	76	51	87	42	63	.9	.7	.2	.7	14.7	115	29.2	96	100	47	0	0	1	1
HUNTINGTON	77	52	90	43	65	.8	.6	.1	.6	12.6	108	23.6	81	96	42	1	0	2	1
PARKERSBURG	74	51	86	40	63	.9	.1	.6	.1	12.5	101	23.2	75	97	44	0	0	1	0
WI GREEN BAY	70	46	78	39	58	.7	.5	.3	.4	12.8	135	20.1	104	94	50	0	0	2	0
LA CROSSE	72	52	84	42	62	.6	1.0	.1	.7	11.2	96	19.2	87	94	50	0	0	4	1
MADISON	71	48	82	39	59	.7	2.3	1.5	2.3	11.9	105	21.4	97	96	49	0	0	2	1
MILWAUKEE	70	52	80	45	61	.6	1.2	.5	1.2	19.3	191	30.4	140	89	51	0	0	2	1
WAUSAU	69	47	79	39	58	.6	.3	.7	.3	10.1	85	17.1	77	92	46	0	0	2	0
WY CASPER	86	53	91	47	69	.3	T	.1	T	5.5	188	10.4	121	79	22	3	0	3	0
CHEYENNE	81	53	86	47	67	.3	.1	.2	.1	5.0	96	9.4	89	86	28	0	0	2	0
LANDER	84	54	89	49	69	.4	.2	0	.1	1.8	68	7.5	77	70	21	0	0	2	0
SHERIDAN	87	53	93	47	70	.5	T	.2	T	3.9	96	9.4	85	71	23	3	0	1	0
PR SAN JUAN	89	76	91	73	82	.0	2.0	.6	1.2	6.1	40	32.7	103	94	67	4	0	3	2

Based on 1951-80 normals.

Cooling Degree Day Data Weekly Summary

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NWS-NWSA
ASSESSMENT AND INFORMATION SERVICES CENTER-NWS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 8-30-1986
ACCUMULATIONS ARE FROM JANUARY 1
-999 = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL, WEEK TOTAL, WEEK DEV, WEEK FROM, WEEK TO, CUM TOTAL, CUM DEV, CUM FROM, CUM TO, CUM FROM, CUM TO, STATE CITY, CALL, WEEK TOTAL, WEEK DEV, WEEK FROM, WEEK TO, CUM TOTAL, CUM DEV, CUM FROM, CUM TO, CUM FROM, CUM TO. Lists 100+ cities and their cooling degree day data.

National Agricultural Summary

August 25 to 31, 1986

HIGHLIGHTS: Rain promoted growth, but cooler temperatures slowed crop development across most of the eastern half of the Nation. Most of the stress caused by dryness, and high temperatures was relieved in the Delta and in the Southeast. Soil moisture in these areas, even though improved was still inadequate. Soil moisture was generally adequate elsewhere except in the West Coast States where moisture was short. Fieldwork averaged 4 to 6 days in most areas.

Winter wheat harvest neared completion in the Pacific Northwest. Seeding was underway in Oklahoma, Minnesota, and in Texas. Spring wheat harvest lagged 8 percentage points behind the 5-year average, ending the week 72 percent (%) finished. Rain hampered harvest in some States. Corn was mostly good to excellent in the Corn Belt and central and northern Great Plains. Development remained ahead of normal but was slowed by below-normal temperatures. Sixty-six percent of the corn acreage reached the dent stage and 19% was mature. Stressful conditions in soybeans eased with rain and cooler temperatures throughout the Delta and in the Southeast. Pod setting was 92% complete compared with 89% normally. Soybeans were dropping leaves in 14 of the 19 major producing States. Sorghum was 23% harvested, 3 points ahead of normal. Harvest was still limited mostly to the Delta States. Nearly a third of the cotton acreage had bolls open. Crop condition improved in the Delta and in the Southeast. Rice was 33% harvested compared with 25% normally. Harvest was underway in all States except California. Flue-cured tobacco harvest trailed the normal pace in all States. Burley tobacco harvest was ahead of normal in most States. Livestock was mostly good, and movement from summer pastures began in some northern States. Pastures improved in the Southeast but supplemental feeding continued.

SMALL GRAINS: Spring wheat was 72% harvested, trailing the average by 8 points. Last year, only 68% of the acreage was harvested by this time. Harvest lagged behind normal in all States except Idaho, which was 11 points ahead of normal. Despite being behind normal in most States, harvest increased 11 points from the previous week ranging from a 6-point increase in South Dakota to a 22-point increase in North Dakota. Cool temperatures and wetness slowed harvest in some areas.

Winter wheat harvest neared completion in the Pacific Northwest. Utah's winter wheat harvest was 90% complete, just slightly ahead of normal. Harvest was 4 points ahead of normal in Washington and virtually at end. Winter wheat seeding was underway in Oklahoma, Minnesota, and in Texas. Farmers continued preparing land in most areas with seeding imminent.

CORN: Rain fell through the Corn Belt and parts of the central Plains, but below-normal temperatures slowed development. However, development remained ahead of normal. Corn was mostly good in the central and northern Plains and in the Corn Belt. In some States, corn was good to excellent or excellent. Ninety-three percent of the acreage had reached the dough stage, and 66% had reached dent. Corn mature was 10 points ahead of last year and the average with 19% of the acreage ready for harvest. Harvest was underway as far north as Illinois but was confined mostly to the Delta and Southeast.

SOYBEANS: Rain and cooler temperatures eased stress in the Delta and in the Southeast.

Development slowed in most areas allowing late planted and under developed soybeans more time to fill pods. Soybeans were mostly good to fair in the Corn Belt and central Plains. Conditions improved a little in the Southeast and in the Delta but remained mostly fair to poor. Ninety-two percent of the acreage had set pods, compared with 89% average. Soybeans were shedding leaves on 5% of the acreage, 3 points ahead of last year and normal.

SORGHUM: Grain sorghum was 23% harvested, exceeding 1985 and the average by 3 points. Harvest advanced rapidly across the Delta and exceeded or equaled the average in all States except Texas. Heading was virtually finished except in Oklahoma. Sixty-one percent had turned color and 30% was mature.

COTTON: Cotton improved in the Southeast and in the Delta, but cool temperatures hampered development. Rain induced growth, causing cotton to bloom at the same time bolls were opening in some Delta States. Bolls were open on 30% of the acreage, equaling 1985 but 8 points ahead of the average. Harvest was underway in Arizona, Louisiana, and Texas. In California, cotton defoliant applications are expected to begin around mid-September.

OTHER CROPS: Rice was 33% harvested, up 7 points from the previous week. This was 10 points ahead of last year and 8 points above normal. Heading was complete or nearing completion in all States except California. California rice producers drained fields in preparation for a mid-September harvest. Moisture aided regrowth in Texas.

Rain provided much needed moisture for late planted peanuts. Peanut harvest was underway from South Carolina to Texas, ranging from just beginning in Georgia and South Carolina to 38% finished in Mississippi.

Flue-cured harvest was active in the major producing areas but lagged behind normal. Virginia harvest was 24% finished compared with 54% normally. North Carolina's harvest was 21 points behind normal. Burley harvest was ahead of normal in most States.

FRUIT AND NUTS: Apple harvest gained momentum. Golden Delicious harvest was underway in Washington. In Michigan, warm days and cool nights improved coloring. Florida's grapefruit crop neared acceptable maturity levels. Irrigation was minimal in citrus groves, and new crop fruit was in very good condition. Thompson seedless grapes were trayed in California. Peach harvest wound down. Light volume of Valencia oranges was harvested. Lemons were packed and apples harvest in Arizona.

VEGETABLES: Summer vegetable harvest was limited mostly to the northern producing areas. In Florida, early planted fall vegetables progressed well. Texas vegetable growers prepared land, planted, and irrigated fall vegetables. Lettuce, cauliflower, and broccoli were planted in Arizona. California vegetable harvest consisted mostly of artichokes, snap beans, broccoli, carrots, cauliflower, sweet corn, lettuce, and cucumber. Cauliflower and celery transplanting continued along the south coast. Strawberry fields were fumigated.

PASTURES AND LIVESTOCK: Cool temperatures eased livestock stress. Livestock was mostly good. Pastures improved with rain.

CROP PROGRESS
FOR WEEK ENDING AUGUST 31, 1986

RICE
% HEADED
1986 1985 AVG.

ARK	97	93	88
CALIF	75	70	69
LA	100	96	96
MISS	100	100	95
TEX	100	96	99
5 STATES	95	91	88

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

RICE
% HARVESTED
1986 1985 AVG.

ARK	10	7	5
CALIF	0	0	0
LA	72	57	60
MISS	40	20	8
TEX	88	57	83
5 STATES	33	23	25

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

COTTON
% BOLLS OPENING
1986 1985 AVG.

ALA	22	31	21
ARIZ	55	70	60
ARK	55	34	21
CALIF	25	20	16
GA	33	28	22
LA	75	65	34
MISS	85	57	42
MO	15	12	15
N MEX	5	15	26
N C	26	24	29
OKLA	2	15	5
S C	37	62	42
TENN	20	15	15
TEX	14	22	17
14 STATES	30	30	22

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

SOYBEANS
% SETTING PODS
1986 1985 AVG.

ALA	80	82	81
ARK	70	75	71
GA	82	91	80
ILL	100	100	98
IND	99	98	95
IOWA	100	100	98
KANS	96	80	80
KY	82	69	70
LA	91	90	88
MICH	95	90	97
MINN	98	97	98
MISS	71	92	79
MO	96	93	80
NEBR	100	100	100
N C	69	66	67
OHIO	100	100	95
S C	56	63	69
S DAK	90	93	96
TENN	85	85	85
19 STATES	92	92	89

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

SOYBEANS
% DROPPING LEAVES
1986 1985 AVG.

ALA	0	0	0
ARK	5	0	1
GA	3	6	5
ILL	12	2	3
IND	4	2	3
IOWA	2	3	2
KANS	10	10	10
KY	12	5	5
LA	0	0	2
MICH	1	0	2
MINN	2	0	2
MISS	10	NA	NA
MO	9	0	3
NEBR	0	0	0
N C	0	0	0
OHIO	4	0	0
S C	0	0	0
S DAK	8	4	11
TENN	5	5	2
19 STATES	5	NA	NA

EXCL. STATES WITH NA THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.
NA - NOT AVAILABLE.

GRAIN SORGHUM
% HEADED
1986 1985 AVG.

ARK	97	NA	NA
ILL	100	NA	NA
KANS	97	90	80
LA	100	100	99
MISS	100	NA	NA
MO	99	94	89
NEBR	100	98	97
OKLA	85	98	90
S DAK	96	91	91
TENN	100	100	NA
TEX	93	97	96
11 STATES	96	NA	NA

EXCL. STATES WITH NA THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.
NA - NOT AVAILABLE.

GRAIN SORGHUM
% COLORING
1986 1985 AVG.

ARK	87	NA	NA
ILL	55	NA	NA
KANS	45	20	20
LA	100	97	92
MISS	90	NA	NA
MO	78	67	65
NEBR	70	20	25
OKLA	45	85	55
S DAK	38	23	37
TENN	85	80	75
TEX	71	81	75
11 STATES	64	NA	NA

EXCL. STATES WITH NA THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.
NA - NOT AVAILABLE.

GRAIN SORGHUM
% MATURE
1986 1985 AVG.

ARK	65	NA	NA
ILL	0	NA	NA
KANS	5	1	2
LA	94	82	74
MISS	76	85	60
MO	34	25	24
NEBR	3	1	0
OKLA	5	10	10
S DAK	2	1	2
TENN	55	30	NA
TEX	62	66	64
11 STATES	31	NA	NA

EXCL. STATES WITH NA THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.
NA - NOT AVAILABLE.

GRAIN SORGHUM
% HARVESTED
1986 1985 AVG.

ARK	48	21	19
ILL	0	0	0
KANS	0	0	0
LA	81	56	50
MISS	47	23	17
MO	9	2	1
NEBR	0	0	0
OKLA	1	0	1
S DAK	0	0	0
TENN	15	6	NA
TEX	55	58	60
11 STATES	23	20	NA

EXCL. STATES WITH NA THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.
NA - NOT AVAILABLE.

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: Temperatures averaged 5 to 7° below normal. Rainfall totals mostly over 0.50 in.; 1.00 to 2.00 in. common.

Days suitable for fieldwork 5.5. Soil moisture 70% short, 30% adequate. Widespread rainfall, cooler temperatures helped improve crop conditions. Primary activities: Harvesting corn, hay, sorghum, vegetables; controlling insects, diseases on row crops; preparing land for winter grazing crops; supplemental feeding of livestock; routine care of poultry; general farm chores.

ALASKA: Cloudy, cool. Rain slowed harvesting Matanuska Valley, other areas. Tanana Valley barley for grain harvest, made rapid advancement good weather. Temperatures ranged 1° below normal to 5° above normal. Seasonal precipitation ranged from just below normal to just above normal late August rains equalizing drier than normal start.

Days suitable for fieldwork 2.0. Topsoil moisture 1% short, 95% adequate, 5% surplus. Barley for grain ripening stage 25% already harvested. Second crop hay harvest delayed by wet weather. Early, market potatoes harvest continued. Commercial vegetable harvest continued, excellent quality, quantities available.

ARIZONA: Monsoon active 25th to 29th. Weekly rainfall between 0.50 to 2.00 in.; some values exceeded 3.00 in. central mountains, central basins, southeast. Severe thunderstorms produced flash flooding, damaging winds. By 30th, drier air returned. Average temperatures 4° below to 1° above normal.

Cotton harvest underway west. Growers terminating irrigations. Defoliation activities west. Texas Root Rot, cotton rust problems over. Insect problems watched, controls applied as necessary. Insects down from earlier in season, but higher than normal. Alfalfa harvest progressing. Summer weeds affecting hay quality central, crop fair to good. Rain damage insignificant. Good curing conditions west. Corn acreages tasseled, approaching maturity southeast. Western fall crop planting completed. Corn earlage harvested. Sorghum good, some grain harvested. Sesame, peanuts, sudan grass good. Land preparation active for fall planted vegetables. Lettuce, cauliflower, broccoli planted, some emerged. Green onions, potatoes, peppers, honeydews, cantaloups harvested. Fall melons progressing west. Lemons packed. Apples harvested. Spotty rains left varying range conditions. Range conditions north 76%. Central desert ranges 75%, mid-elevation 90%, high elevations 101%. Southern State 90%. Cattle fair to excellent. Stockwater, soil moisture short to surplus. Pinkeye reported isolated areas.

ARKANSAS: Cold front moved through State midweek, brought cooler weather, scattered showers. Temperatures well below normal. Rain heaviest southeast. Temperature extremes 40°; 100°. Rainfall none to 4.19.

Days suitable for fieldwork 7.0. Soil moisture 64% short, 36% adequate. Crop growth moderate. Major activities: Fieldwork preparatory to planting cool season pastures; harvesting crops; baling hay; draining rice; applying insecticides to late cotton; and irrigating remaining crops. Cooler weather helped soybeans recover, lack of soil moisture continued to hurt. Charcoal rot caused

lodging problems in some sorghum fields. Rice 43% ripe.

CALIFORNIA: Above normal temperatures, no rain. Few locations on coast slightly below normal temperatures, southern San Joaquin Valley, southern deserts well above normal.

Warm, open weather promoted good crop development. Cotton defoliant applications mid-September. Insect controls active. Some rice fields drained, preparation mid-September harvest. Alfalfa seed harvest full swing. Safflower, sunflower, sugarbeet, silage corn, hay, early dry bean harvests, good progress. Wheat, barley harvests Tulelake, full swing. Elsewhere preparations active, seeding winter grains. Apple harvest continued. Raisin grape activity continued; Thompson Seedless trayed. Juice grapes harvested; split berries reported. Table grape varieties were Thompson, Ruby, Flame, Italia. Winery volumes increased. Nectarine harvest complete. Peach harvest winding down. Pomegranates picked, prunes winding down. Valencia oranges harvested, lighter volumes. Summer grapefruit harvest active. Almond harvest in full swing, worm damage reported. Walnut harvest preparation underway. Artichokes moderate, variable quality; central coast. Snap bean harvest active, south coast, Coachella Valley, Fresno. Broccoli moderate, good quality; Salinas, Santa Maria. Fall fields germinated Huron District. New planting desert. Strawberry field fumigation, south coast. Carrot fairly heavy, good quality; Salinas. Field preparation full swing, desert. Cauliflower, celery moderate, good quality, Salinas; Santa Maria. Transplanting cauliflower, celery continued south coast. Sweet corn picking active Statewide; good quality. Cucumber harvest continued, south coast. Lettuce moderate, variable quality; Salinas. Fall fields Westside germinated, new planting continued, desert. Melon harvest progressed well, near completion Delta, Merced. Fall plantings complete, good condition; desert. Digging dry onions Perris-Hemet continued. Dehydrator onion harvest active Westside. Onion, fall potato Tulelake basin, normal progress. Summer potatoes Hemet-San Jacinto, dug. Sweetpotato movement active; Merced-Atwater. Processing, fresh market tomato harvest progressed well. Processing harvest, Fresno, 80 to 85% finished. Late fields fresh market, harvested; Merced-Atwater. Deteriorating conditions, rising prices caused cattle movement. Stock pond levels low. Livestock good, with bear, coyote attacks on sheep. Egg prices increased, high demand, new pullets into production.

COLORADO: Temperatures averaged from 5° below to 4° above normal. Precipitation totals averaged trace to 3.35 in.

Days suitable for fieldwork 5.5. Soil moisture 15% very short, 35% short, 50% adequate. Barley ripe 98%, 95% 1985, 91% avg.; harvested 86%, 79% 1985, 75% avg. Dry beans cut 19%, 20% 1985, 19% avg. Sorghum turning color 31%, 23% 1985, 29% avg. Livestock, range, pasture good.

FLORIDA: Routine summer weather with scattered thundershowers 25th, 26th. Cool front Panhandle 27th became stationary along a line extending from east to west, upper Peninsula 28th to 31st. Mostly cloudy, cooler north of front periods of rain, thundershowers. South of front normal summer

conditions scattered tropical thundershowers. Rainfall totals averaged 2.00 to 3.00 in. north; 1.00 in. Peninsula, except less than 0.50 in. southeast. Temperatures averaged 3 to 5° below normal north, near normal Peninsula.

Soil moisture adequate. Corn harvest declining seasonally. Tobacco harvest virtually complete. Soybeans, cotton, peanuts, sugarcane good. Hay crops good growth, harvesting interrupted by rains. Panhandle, upper Peninsula pastures fair to good, improved from late week rains; elsewhere, good to excellent. Water standing in low-lying pastures southwest coast. Cattle mostly good to excellent. Hot, humid, most citrus areas; scattered rains; moisture generally adequate, minimal irrigation. New crop fruit very good. Few grapefruit crops nearing acceptable maturity levels. Caretakers very busy all areas. Typical summer weather prevailed over vegetable producing areas. Temperatures mostly 90s daytime, 70s nighttime. Afternoon, evening rain provided adequate moisture. Early planted crops making good progress. Harvest summer vegetables near complete.

GEORGIA: Significant rain during week. Totals over 1.00 in. most reporting locations, local 2.00 to 3.00 in. Southeast heaviest with 1.00 to 4.00 in. Week started off warm but ended with much below normal temperatures. Average temperatures during week 5 to 7° below normal.

Days suitable for fieldwork 5.0. Soil moisture 13% very short, 46% short, 36% adequate, 5% surplus. Corn 71% harvested, 54% 1985, 52% avg. Sorghum grain 6% very poor, 36% poor, 49% fair, 9% good. Peanuts 6% very poor, 10% poor, 63% fair, 21% good; 2% dug, 7% 1985, 3% avg.; 1% threshed, 3% 1985, 1% avg. Soybeans 97% blooming, 98% 1985, 95% avg. Tobacco 20% poor, 40% fair, 40% good; 87% harvested, 92% 1985, 91% avg. Apples 4% very poor, 18% poor, 64% fair, 14% good; 47% harvested, 39% 1985, 52% avg. Pecans 7% very poor, 14% poor, 66% fair, 13% good. Pasture 8% very poor, 25% poor, 49% fair, 18% good. Hay 18% very poor, 26% poor, 44% fair, 12% good. Cattle 14% poor, 58% fair, 28% good. Hogs 5% poor, 40% fair, 53% good, 2% excellent. Main activities: Harvesting corn for silage, grain. Hay harvest also active showers provided earlier moisture. Spraying for insects peanuts, soybeans, grain sorghum, hay fields. Armyworms reported some pastures.

HAWAII: Conditions generally favorable. Temperatures lower 90s continued setting daily records several days. Light, northeasterly winds beginning week. Strengthened winds, to 25 mph, toward midweek brought some relief humid conditions. Light showers windward, mountain areas. Temperatures ranged upper 60s to lower 90s. Rainfall none to 3.20 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Irrigation active most areas. Papaya production seasonal low. Banana orchards good. High temperatures continued adversely affect some leafy vegetables.

IDAHO: High pressure, scattered showers southern, central.

Days suitable for fieldwork 7.0. Harvest of small grains continued active, slowed north, east late week by wet conditions. Potatoes good, harvest activity building. Second cutting alfalfa hay continued, 3rd cutting underway. Range, pasture fair to poor. Livestock mostly good.

ILLINOIS: Temperatures averaged normal to 4° below normal. Precipitation none to 0.13 in. Amounts widely scattered most locations reporting none.

Days suitable for fieldwork 6.0. Soil moisture 44% short, 56% adequate. Soybeans turning yellow 29%, 13% 1985, 16% avg. Alfalfa 2% poor, 9% fair,

63% good, 26% excellent; alfalfa 3rd crop cut 80%, 74% 1985, 72% avg. Pasture 5% poor, 27% fair, 57% good, 11% excellent. Major farm activities: Harvesting corn for silage and seed, tending livestock, harvesting hay.

INDIANA: Average high temperatures from low 70s north to near 80° south, 5 to 8° below normal. Lows upper 40s to low 50s, 6 to 10° below normal. Precipitation totals over 0.50 in., exceeded 1.00 in. parts of north.

Fieldwork averaged 3.9 days. Topsoil moisture 38% short, 58% adequate, 4% surplus. Subsoil moisture 43% short, 56% adequate, 1% surplus. Corn fair to mostly good. Soybeans fair to mostly good. Soybeans 20% turning yellow, 7% 1985, 15% avg. Tobacco 30% harvested, 15% 1985, 10% avg. Winter wheat crop 27% land plowed, 17% 1985, 20% avg. Silos 20% filled, 10% 1985, 15% avg. Scattered showers improved pasture conditions. Pastures mostly fair.

IOWA: Cool, dry week. Precipitation 25th, 26th; locally heavy north, amounts to 3.00 in.; little or no rain south. Coldest 28th to 34°.

Days suitable for fieldwork 5.7. Topsoil moisture 2% short, 96% adequate, 2% surplus; subsoil moisture 1% short, 96% adequate, 3% surplus. Hay 9% fair, 75% good, 16% excellent. Third crop alfalfa harvested 65%, 64% 1985, 60% avg.; 2nd crop clover harvested 97%, 100% 1985, 96% avg. Corn mostly good to excellent. Soybeans mostly good; soybean leaves turning 13%, 17% 1985, 13% avg. Livestock mostly good; no major disease problems. Pastures good to fair.

KANSAS: Temperatures 6 to 7° below normal south and east central, 4° below to normal remainder State. Precipitation generally light, some south central and southeast reports 1.50 to 2.50 in. Northwest average 0.05 in., 0.25 to 0.50 in. southwest and northeast, 0.75 in. south central and southeast.

Days suitable for fieldwork 4.5. Topsoil moisture 23% short, 62% adequate, 15% surplus. Sorghum heading, maturing ahead schedule. Some early fields harvested, general harvest activity several weeks away. Corn earworms in sorghum reaching economic levels southeast and south central areas. Corn excellent progress, few problems noted; some high moisture grain and silage harvest underway. Soybean progress ahead schedule. Range, pasture good to excellent except far west. Fall wheat seedbed preparation, some fields seeded.

KENTUCKY: Strong cold front moved thru 27th, lasted thru 31st. Temperatures 5 to 15° below normal. Average highs upper 70s and lower 80s, lows in 50s. Rainfall generally light, scattered. Amounts averaged 0.10 to 0.50 in., few isolated reports 1.00 to 2.00 in.

Days suitable fieldwork 5.2. Soil moisture 25% very short, 64% short, 11% adequate. Burley 45% cut, 47% 1985, 34% avg. Dark tobacco 53% cut. Early cut tobacco curing satisfactory. Tobacco in fields mostly fair. Corn for grain harvest 7% complete. Silage cutting 45% complete. Early soybeans maturing, late planted beans benefit from rain. Pastures poor to fair. Hay being fed drier counties. Stock ponds low, drying up some counties.

LOUISIANA: Temperature 2° below to 1° above normal. Temperature extremes 50°; 100°. Rainfall averaged 0.10 to 3.10 in.

Days suitable for fieldwork 5.9. Soil moisture 54% short, 42% adequate, 4% surplus. Corn 93% harvested, 77% 1985, 67% avg. Cotton 2% harvested, 1% 1985, 1% avg. Rice 88% ripe, 75% 1985, 73% avg. Soybeans 99% blooming, 98% 1985, 97% avg.; 15% leaves turning color, 7% 1985, 9% avg. Sugarcane

good; 19% planted, 4% 1985, 11% avg. Sweetpotatoes fair; 40% harvested, 41% 1985, 33% avg. Hay final cutting 61% completed, 56% 1985, 35% avg. Vegetables fair; pasture fair to good; livestock good. Main activities: Baling hay; harvesting corn, rice, sorghum, sweetpotatoes; planting sugarcane.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 4° below normal over State; lowest temperature 32° Oakland; highest temperature 90° Cumberland, College Park, Patuxent, Snow Hill. Precipitation averaged 0.69 in., ranging from 0.02 in. Westminster to 1.55 in. Cambridge.

Days suitable for fieldwork 5.6. Topsoil moisture short to adequate. Subsoil moisture short. Alfalfa fourth cutting 17% harvested, 24% 1985, 25% avg. Field corn fair; 64% dent, 78% 1985, 65% avg.; 13% mature, 26% 1985, 17% avg.; 3% corn for grain harvested, 4% 1985, 1% avg.; 31% corn for silage harvested, 31% 1985, 31% avg. Soybeans fair to good; 96% blooming, 98% 1985, 95% avg.; 76% podding, 78% 1985, 77% avg. Tobacco good; 40% harvested, 51% 1985, 55% avg. Tomatoes 84% harvested, 91% 1985, 86% avg. Pasture poor to fair. Peaches good to excellent. Apples good to excellent.

Delaware: Temperatures averaged 5° below normal over State; lowest temperature 42° Georgetown; highest temperature 90° Milford. Precipitation averaged 0.86 in., ranging from 0.49 in. Wilmington to 1.42 in. Georgetown.

Days suitable for fieldwork 5.7. Topsoil moisture mostly adequate. Subsoil moisture short. Alfalfa fourth cutting 52% harvested, 58% 1985, 27% avg. Field corn fair; 97% dough, 99% 1985, 88% avg.; 68% dent, 26% mature; 2% corn for grain harvested; 2% corn for silage harvested. Soybeans fair; 97% blooming, 100% 1985, 92% avg.; 76% podding, 74% 1985, 73% avg. Apples fair to good. Peaches fair to good.

MICHIGAN: Temperatures ranged 5 to 10° below normal. Temperature extremes 34°; 81°. Precipitation ranged from 0.10 to 2.90 in. across State.

Days suitable for fieldwork 5.0. Soil moisture 20% short, 80% adequate. Corn 75% dough, 85% 1985, 85% avg.; dent 20%, 25% 1985, 25% avg.; mature 1%, none 1985, 1% avg.; 1% very poor, 4% poor, 20% fair, 50% good, 25% excellent. Soybeans 95% setting pods, 90% 1985, 97% avg.; turning 10%, 5% 1985, 15% avg.; 1 very poor, 4% poor, 25% fair, 50% good, 20% excellent. Dry beans 95% setting pods, 95% 1985, 98% avg.; 2% very poor, 8% poor, 25% fair, 50% good, 15% excellent. Major activities: Harvesting fruits, vegetables; combining oats, haying. Vegetable quality excellent. Apple coloring improved by warm days, cool nights.

MINNESOTA: Temperatures averaged 2 to 5° below normal for State. Temperature extremes 29°; 90°. Precipitation averaged 0.27 to 0.43 in. above normal for southern third of State, 0.42 to 0.77 in. below normal elsewhere. Greatest weekly total 2.88 in.

Days suitable for fieldwork 4.0. Topsoil moisture 1% short, 79% adequate, 20% surplus. Another cool week across State. Frost appeared in several areas of State on August 27th, 28th. Small grain harvest near completion but slowed due to more rain. Southwest, central areas continued to receive showers causing fields to be very soft. Spring wheat 85% cut, 73% 1985, 91% avg. Oats 96% cut, 97% 1985, 98% avg.; 85% combined, 85% 1985, 94% avg. Barley 95% cut, 92% 1985, 97% avg.; 86% combined, 77% 1985, 92% avg. Soybeans 21% yellowing, 13% 1985, 15% avg. Sweet corn 67% harvested for processing, 52% 1985, 58% avg. Flax 11% harvested, 15% 1985, 30% avg. Potatoes 10%

harvested, 8% 1985, 7% avg. Dry edible beans 3% harvested, 6% 1985, 8% avg. Winter wheat 24% seeded for 1987 crop, 8% 1985, 16% avg. Rye 16% seeded for 1987 crop, 9% 1985, 14% avg. Small grain and hay 33% stubble plowed, 22% 1985, 35% avg.

MISSISSIPPI: Temperatures 1 to 5° below normal, extremes 43°; 101°. Hot, dry weather first part of week, cold front moved in on 28th. Greatest 24-hour total 2.62 in.

Days suitable for fieldwork 5.5, 5.0 1985, 4.9 avg. Soil moisture 18% very short, 40% short, 42% adequate. Corn 4% poor, 20% fair, 57% good, 19% excellent; 94% mature, 95% 1985, 75% avg.; 44% harvested, 34% 1985, 24% avg. Watermelons 98% harvested, 83% 1985. Hay 82% harvested, 77% 1985, 81% avg. Sorghum silage 79% harvested, 73% 1985, 64% avg. Corn silage 94% harvested, 80% 1985, 70% avg. Sweetpotatoes 30% harvested, 15% 1985, 13% avg. Peanuts 38% harvested, 33% 1985, 24% avg.

MISSOURI: Temperatures averaged 5° below normal. Rainfall widespread, less than 0.25 in. except southwest averaging 0.50 in., west central plains averaging over 1.00 in.

Days suitable for fieldwork 5.8. Soil moisture 55% short, 42% adequate, 3% surplus. Corn harvested 8%, 4% 1985, 3% avg. Alfalfa 3rd cutting 90%, 83% 1985, 75% avg. Pasture 2% very poor, 15% poor, 53% fair, 29% good. 1% excellent.

MONTANA: Mostly dry first 5 days, some rain last 2 days. Heavier amounts west, southwest. East dry. Other areas light amounts from thunderstorms. Temperatures above normal, 2 to 8°. Highest 105° Thompson Falls, lowest 31° Wisdom.

Days suitable for fieldwork 6.7. Topsoil moisture 80% short, 20% adequate. Subsoil moisture 55% short, 45% adequate. Barley harvested 70%, 80% 1985, 75% avg. Alfalfa hay harvested 80%, 85% 1985, 75% avg. Livestock moved from summer ranges 10%, 35% 1985, 20% avg.

NEBRASKA: Amounts averaged 0.50 to 1.00 in. northeast, little elsewhere. Temperatures averaged 5° below normal central, east to 2° above normal Panhandle. Temperature extremes 39°; 95°.

Days suitable for fieldwork 6.0. Topsoil moisture 22% short, 64% adequate, 14% surplus. Subsoil moisture 9% short, 86% adequate, 5% surplus. Corn excellent to good. Soybeans, sorghum mostly good to excellent. Soybeans turning color 15%, 8% 1985, 6% avg. Bean leaf beetles northeast, east some treatment required. Alfalfa mostly good. Third cutting 70%, 70% 1985, 65% avg. Pasture, range feed conditions mostly adequate. Pastures short southwest, south central counties, dry conditions.

NEVADA: High pressure over southern great basin and low pressure off California coast caused moist unstable air to flow into State thru midweek. Relatively moist air mass covered southeast half of State beginning of week expanded north, west over remainder by midweek. During latter part of week upper trough pushed inland, upper high retreated southward. Air moved back across Nevada end of week. Rainfall with summertime thunderstorms varied greatly across State. Several locations extreme south reported rainfall amounts around 0.50 in. all other regions ranged between 0.10 to 0.25 in.

Extensive cloud cover, showers held daytime temperatures down south during early part of week. Temperatures for week averaged 1 to 2° above normal extreme south to 10° above normal Fallon. Most of State averaged 3 to 6° above normal. Warmest temperature 105° Logandale on 25th. Coolest 37° Mountain City on 30th.

NEW ENGLAND: Precipitation below normal, southern, coastal areas trace to 1.00 in.; elsewhere 0.75 to 1.25 in. Temperatures 5 to 9° below normal. Light frost in low lying areas north, most south frost free.

Days suitable for fieldwork 5.0. Soil moisture 55% adequate, 45% surplus. Grazing availability 95% adequate, 5% surplus. Fieldwork progress 1 to 2 weeks behind schedule north, on schedule south. Cool weather slowed crop development. Maine potatoes good; less than 5% harvested. Rhode Island potatoes 55% dug, 25% 1985, 40% avg. Field corn fair to good north, good to excellent south. Oats 5% harvested, 30% 1985. Sweet corn 75% harvested, 70% 1985, 70% avg. Second crop hay 70% cut, 80% 1985, 80% avg. Third crop hay 20% cut, 65% 1985, 45% avg. Early color developing on cranberries. Early apple harvest active; medium size, good color. Major farm activities: Haying, haylage making, potato, vegetable, sweet corn harvest, fall seedings, preparing machinery for later harvest.

NEW JERSEY: Temperatures averaged much below normal. Extremes 35°; 90°. Rainfall averaged 0.11 in. north, 0.40 in. central, 0.56 in. south. Heaviest 24-hour total 0.62 in. on 27th, 28th. Estimated soil moisture percent field capacity averaged 77% north, central, 66% south. Four inch soil temperatures averaged 62° north, 65° central, 66° south.

Cool temperatures, low humidity benefited fall vegetables. Harvest of summer vegetables declined. Irish potato digging active. Sweetpotato harvest began. Peach harvest moving into late season varieties. Harvest of fall variety apples began. Red Delicious marketing to begin this weekend. Corn silage making increased. Third cutting of hay neared completion. Pasture growth improved.

NEW MEXICO: Weekly average temperatures few degrees above normal northwestern plateau, elsewhere a few degrees below normal. Showers, thundershowers over entire State. Precipitation 1.00 to 2.00 in. over mountainous terrain, eastern plains.

Days suitable for fieldwork 6.6. Soil moisture 45% short, 44% adequate, 11% surplus. Hail damage 86% none, 14% light. Alfalfa 87% good, 13% excellent. Corn 29% fair, 57% good, 14% excellent. Irrigated grain sorghum 29% fair, 71% good. Dryland grain sorghum 40% fair, 60% good. Pecans 25% fair, 50% good, 25% excellent. Chile 50% fair, 50% good. Cattle 100% good. Sheep 100% good. Range 40% fair, 50% good, 10% excellent.

NEW YORK: Week started cool, mild midweek, cool weeks end. Average temperatures 5 to 7° below normal most areas. Lows upper 30s, low 40s on 28th, 29th. Rains heavy north, up to 1.75 in. Adirondacks. Elsewhere rainfall of 0.25 to 0.50 in., except southeast lighter, spotty.

Days suitable for fieldwork 5.0. Soil moisture adequate to excessive. Cool weather slowed corn development. Corn crop good to excellent. Oat harvest 80% complete, 85% 1985, 84% avg. Lodging problem with remaining oats. Second cutting alfalfa hay harvest 80% complete, 86% 1985, 87% avg. Third cutting alfalfa hay harvest 15% complete, 24% 1985, 30% avg. Harvest Paulared, Lodi, Tydeman apples near completion. Bartlett pear harvest underway. Grapes near Lake Erie, Finger Lakes plagued by black rot, mildew problems. Pasture good.

NORTH CAROLINA: Temperatures averaged 6° below normal Mountain Region, 3° below normal remainder of State. Temperature extremes 41°; 92°. Precipitation ranged from none to 3.72 in.

Days suitable for fieldwork 4.6. Soil moisture 1% very short, 24% short, 59% adequate, 16% surplus.

Corn very poor to fair, maturing. Grain harvest slightly behind average. Corn for silage harvested 67%, 47% 1985, 47% avg. Cotton fair to good, bolls opening. Soybeans improved fair to good, setting pods. Corn earworm problem soybeans, peanuts, tobacco. Sorghum 11% very poor, 19% poor, 53% fair, 15% good, 2% excellent; harvested 10%, 15% 1985, 10% avg. Tobacco 8% poor, 49% fair, 42% good, 1% excellent. Flue-cured tobacco harvested 51%, 56% 1985, 72% avg. Burley tobacco harvested 20%, 16% 1985, 15% avg. Peanuts 42% fair, 58% good. Sweetpotatoes 36% fair, 61% good, 3% excellent; harvested 5%, 8% 1985, 6% avg. Apples 17% very poor, 25% poor, 33% fair, 17% good, 8% excellent; harvested 18%, 19% 1985, 17% avg. Hay 7% very poor, 18% poor, 55% fair, 18% good, 2% excellent. Pasture 5% very poor, 16% poor, 48% fair, 30% good, 1% excellent. Major farm activities: Harvesting tobacco, corn, vegetables, fruits, hay; cutting corn silage; suckering, topping burley tobacco; spraying soybeans, peanuts, cotton; marketing tobacco; tending livestock; mowing; preparing land for small grains; general farm maintenance.

NORTH DAKOTA: Varied weather. Scattered frost northeast 27th, 28th. Temperatures 1 to 3° above normal west, 3 to 5° below normal east. Low 31° northeast 27th, 28th; high 93° northwest 30th. Light showers received most areas.

Days suitable for fieldwork 5.6. Topsoil moisture levels lower than last year but much above normal; 28% short, 69% adequate, 3% surplus. Significant harvest progress made; however, still behind normal. Scab became a concern in north, east. Combining progress: Hard red spring wheat 67%, 59% 1985, 78% avg.; durum wheat 54%, 40% 1985, 67% avg.; barley 85%, 86% 1985, 93% avg.; flax 5%, 10% 1985, 22% avg. Condition of late season crops good, all crops at least 89% good or better. Progress is behind normal for flax, dry beans. Sunflower bracts yellow and beyond 22%, 9% 1985, 22% avg.; potato vines killed and beyond 51%, 18% 1985, 17% avg.; dry beans cut and beyond 6%, 4% 1985, 15% avg. Pasture 11% poor, 34% fair, 46% good, 9% excellent.

OHIO: Temperatures averaged 4 to 10° below normal. Only few high exceptions of 90°, low 34° Canfield north. Precipitation 0.50 in. to over 1.00 in. Greatest amount 2.22 in. Toledo.

Days suitable for fieldwork 5.1. Soil moisture improving 3% short, 52% adequate, 45% surplus. Activities filling silos, baling hay, harvesting fresh vegetables, melons, processing tomatoes, beginning of wine grape harvest northeast. Midweek rain gave relief to late soybeans and softened soils for fall sowing. Cooler temperatures slowed crop maturity. Corn good to excellent, maturing ahead of normal. Soybeans fair to excellent also maturing ahead of schedule. Leaves beginning to shed southern areas.

OKLAHOMA: Temperatures averaged 3° below normal southeast to 5° below normal Panhandle, north central, west central, central, southwest. Precipitation averaged 0.27 in. north central to 2.20 in. west central.

Days suitable for fieldwork 5.9. Topsoil moisture 35% short, 65% adequate. Subsoil moisture 35% short, 65% adequate. Wheat 3% planted, 3% 1985, 2% avg. Sorghum 20% fair, 80% good; 85% heading, 98% 1985, 90% avg.; 45% coloring, 85% 1985, 55% avg.; 5% mature, 10% 1985, 10% avg.; 1% harvested, 2% 1985, 1% avg. Cotton 15% fair, 65% good, 20% excellent; 2% open bolls, 15% 1985, 5% avg. Dryland cotton improved but cool, overcast weather hampered development. Insect activity above normal but under control. Pastures 5% poor, 20% fair, 73% good, 2% excellent. Rains should

improve growth. Cattle marketings average, prices slightly below last week.

OREGON: Temperatures averaged 6° above normal central, northeast areas, 5° above normal elsewhere, except coast normal. Precipitation totaled less than 0.10 in. coast, Willamette Valley, north Cascades almost 0.30 in., high plateau recorded little over 0.10 in. Remainder of State traces of precipitation, except southwestern valleys remained dry.

Soil moisture 99% short, 1% adequate. Grain harvest complete, except eastern high country. Fieldwork on fallow ground, preparing for fall seeding. Grass seed harvest complete. Mint harvest neared completion. Vegetable seed harvest started central area. Red clover seed harvest continued west. Flower seed harvest started. Hop harvest continued. Silage corn harvest started southwest. Sugarbeet seed harvest completed Willamette Valley; 1987 seed crop planted, emerged Medford area. Second alfalfa hay cutting underway northeast mountains, 3rd cut near complete Willamette Valley, started 4th cut southwest. Bartlett pear harvest neared completion upper Hood River Valley. Winter pear picking Medford region. Summer raspberry harvest complete, fall fruiting varieties coming on west. Blackberry harvest very near completed. Filbert orchard floors prepared for harvest Willamette Valley. Cranberry development continued good. Potato digging continued Hermiston-Boardman. Digging also started Willamette Valley, Malheur County, Klamath Basin. Potatoes began dying back central region. Onion harvest full swing Malheur County, started southwest, lifted for field drying Willamette Valley. Snap bean harvest winding down west, excellent yields. Sweet corn harvest continued, good quality. Broccoli, cucumber harvest continued. Livestock fair to good. Cattle sales contracting continued. Movement to market earlier than usual, part due to extremely dry range. Ranges, pastures poor except where irrigated. Fire danger remains extreme. Some grasshoppers reported central areas.

PENNSYLVANIA: Precipitation very light, temperatures averaged nearly 10° below normal as high pressure system moved down from Canada. Many sections of north, central mountains saw morning lows at or below freezing level. Average temperature 59°, 9° below normal. Temperature extremes 32°; 86°. Average precipitation 0.15 in., 0.69 in. below normal.

Days suitable for fieldwork 5.0. Soil moisture 22% short, 69% adequate, 9% surplus. Corn 87% dough, 36% dented, 6% mature; 1985 73% dough, 26% dented, 3% mature; avg. 79% dough, 26% dented, 1% mature. Corn 2% very poor, 6% poor, 15% fair, 41% good, 36% excellent. Soybean 5% poor, 19% fair, 44% good, 32% excellent. Oat harvest 99% complete, 94% 1985. Potato harvest 46% complete, 48% 1985. Tobacco harvest 53% complete, 54% 1985. Fall plowing 34% complete, 38% 1985. Second cutting alfalfa 99% complete, 96% 1985. Third cutting alfalfa 73% complete, 66% 1985. Fourth cutting alfalfa 14% complete, 12% 1985. Second cutting clover-timothy 86% complete, 88% 1985. Quality of hay made fair to good. Amount of feed being obtained from pastures average to below average. Apple harvest 30% complete, 28% 1985. Peach harvest 83% complete, 88% 1985. Activities: Making hay, haylage; harvesting oats, peaches, apples, potatoes, tobacco, other vegetables; fall plowing.

PUERTO RICO: Island average rainfall 3.52 in., 1.70 in. above normal. Highest weekly total 9.83 in. Highest 24-hour total 4.97 in. Temperature averaged about 82° on coasts, 76 to 77° interior divisions. Mean station temperature ranged from 68

to 82°. Extremes 57°; 95°. Total rainfall 3.65 in., 2.25 in. above normal.

SOUTH CAROLINA: Cooler than average weather. Record lows 28th, 29th. Rainfall amounts less than 0.10 to 4.00 in.

Days available for fieldwork 4.7. Soil moisture 10% very short, 36% short, 54% adequate. Cotton setting bolls 100%; open bolls 37%, 62% 1985, 42% avg.; 49% very poor, 26% poor, 25% fair. Soybeans blooming 86%, 94% 1985, 93% avg.; setting pods 56%, 63% 1985, 69% avg.; leaves turning 2%, 1% 1985; 7% very poor, 28% poor, 59% fair, 6% good. Tobacco fair; 85% harvested, 86% 1985, 90% avg.; stalks destroyed 14%, 13% 1985, 20% avg. Corn poor; 97% mature, 97% 1985, 93% avg.; 44% harvested, 38% 1985, 38% avg. Peanuts fair; 1% harvested, 3% 1985. Apples fair; 15% harvested, 29% 1985, 32% avg. Grapes fair. Pastures, hay fair.

SOUTH DAKOTA: Average temperatures 2° below to 2° above normal west, 3 to 6° below normal central, east. Precipitation widespread; less than 0.25 in. central, west; 0.50 in. or more east.

Days suitable for fieldwork 5.0. Topsoil moisture short west, adequate, surplus east; 5% critically short, 45% short, 40% adequate, 10% surplus. Subsoil moisture short west, adequate, surplus east; 4% critically short, 36% short, 51% adequate, 9% surplus. Crops mostly good. Small grain harvest nearing completion. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate.

TENNESSEE: Temperatures averaged 1 to 4° above normal. Precipitation middle, east. Amounts generally 0.50 in.

Days suitable for fieldwork 5.6. Soil moisture 16% very short, 71% short, 13% adequate. Corn 85% dent, 80% 1985, 75% avg.; 45% mature, 35% 1985, 20% avg.; 2% harvested, 3% 1985, 1% avg.; 8% very poor, 21% poor, 56% fair, 15% good. Tobacco 70% topped, 90% 1985; 25% burley harvested, 30% 1985, 30% avg.; 25% dark fired harvested, 35% 1985, 30% avg.; 15% dark air-cured harvested, 35% 1985, 30% avg.; 3% very poor, 40% poor, 53% fair, 4% good. Cattle fair. Pastures mostly poor to fair. Pastures, late planted soybeans improved due to recent rain.

TEXAS: Showers, thunderstorms common over most of State. Early week upper air disturbance brought showers to mainly central areas. Midweek cold front spread thunderstorms across western, north central, far southern parts of State late week. Tropical moisture flower into State, interacted with another upper air disturbance to produce showers over High Plains. Temperatures averaged below-normal statewide, reading about 10° below normal over southern High Plains, northern Low Plains. Rainfall above normal over all but southern quarter of State where rain below normal.

Cooler, rainy conditions most State. Additional moisture Plains aid growth grain sorghum, slow development corn, cotton. Harvest near corn Plains. Harvesting Cross-Timbers, weather permitted. Most grain sorghum yields average. Harvest corn, grain sorghum virtually complete Blacklands, cotton harvest strong. Harvesting cotton continued central, south, Upper Coast, east; some rain delays. Harvest rice, soybeans continued Upper Coast. Pastures, range conditions improve with moisture. Land preparation, seeding small grains underway.

Crops: Corn field drying rapidly Plains, recent cooler, wetter weather slowed progress. Some fields mature. Silage harvest delayed by rain. Most fields harvested Blacklands, good yields. Few fields remain harvested east. Harvested 64%, 54% 1985, 47% avg. Grain sorghum Plains benefit from

rain. Development good, harvest slow Cross-Timbers, most fields cut. Most fields Blacklands harvested, good yields. Some harvesting east, Hill Country. Cotton development Plains slowed, later fields benefit from moisture. Bollworm activity increasing, treatment underway. Most fields need warmer temperatures. Harvest delayed Blacklands, central, yields good. Rains affect cotton east. Harvest continued south. Harvest virtually complete Coastal Bend. Setting bolls 96%, 99% 1985, 98% avg. Harvested 12%, 12% 1985, 10% avg. Small grain seeding increasing, rain slowed progress. Recent moisture aid planting, producers entered fields. Cooler, wet conditions aid emergence early planted fields. Harvest 1st crop rice winding down Upper Coast, good yields. Recent moisture aided regrowth. Peanut harvest begun early fields Cross-Timbers. Other fields good development. Fields central benefit from rain. Progress slow south due dry conditions. Some harvest continued south. Soybeans benefiting from rain. Rapid growth, development occurred. Harvest continued Upper Coast, good yields. Later yields lower. Other crops harvested: Peanuts 7%, 2% 1985, 3% avg. Soybeans 3%, 4% 1985, 1% avg. Sunflowers none, 1% 1985, 2% avg. Other crops planted: Wheat 5%, 1% 1985, 1% avg. Oats 1%, none 1985, none avg.

Commercial Vegetables: Rio Grande Valley land preparation, planting, irrigating fall vegetables occurred. San Antonio-Winter Garden, planted vegetables up stands. Some planting continued. East sweetpotatoes harvested. Production moderate, quality varied. Watermelon harvest continued. High Plains, potato harvest about over. Harvest carrots, cabbage, cucumbers, sweet corn continued. Trans-Pecos, cantaloup, chili harvest slowed by rain. Land preparations underway. Pecans moving towards harvest south last week. Most areas expecting lower than normal crop. Some nut drop hot weather. Rain too late areas.

Range and Livestock: Range, pasture conditions improve rainfall occurred most areas. Growth, greening increased. Hay harvested. Cooler temperatures took some stress off livestock. Weight gains increase. Condition most livestock good. Marketings steady. Some producers started bring stockers small grain pastures Plains.

UTAH: Temperatures 3 to 5° above normal north, west; normal to 2° above south. Precipitation light north, moderate south.

Days suitable for fieldwork 6.4. Topsoil moisture 30% short, 70% adequate. Winter wheat 90% harvested, 95% 1985, 88% avg.; barley 89% harvested, 90% 1985, 75% avg.; spring wheat 76% harvested, 92% 1985, 64% avg.; oats 55% harvested, 75% 1985, 44% avg.; corn 70% dough, 63% 1985; alfalfa 3rd cutting 26% complete, 27% 1985, 16% avg.; peaches 63% picked, 40% 1985, 30% avg.; pears 73% picked, 85% 1985, 23% avg.; apples 8% picked, 8% 1985, 2% avg. Onion harvest underway; potatoes, dry beans expected harvest September 1st to 14th. Ranges 85% fair, 15% good. Livestock good to excellent.

VIRGINIA: Temperatures 3° below normal. Range 36 to 92°. Precipitation above normal. Range 0.21 to 1.41 in. Some record lows recorded on 29th.

Days suitable for fieldwork 3.4. Soil moisture 16% short, 78% adequate, 6% surplus. Corn poor to very poor. Corn 72% in or beyond dent stage, 71% 1985, 77% avg. Corn 46% mature, 41% 1985, 51% avg. Silage harvest 16% complete, 18% 1985, 40%

avg. Grain harvest 8% complete, 12% 1985, 10% avg. Alphatoxin levels high in corn. Soybeans remain poor. Better moisture, but corn earworm damage high. Rain inhibited spraying. Soybeans 68% setting pods, 64% 1985, 76% avg. Peanuts good to excellent. Rain promoting fungi diseases. Flue-cured tobacco harvest 24% complete, 35% 1985, 54% avg. Burley harvest 10% complete, 35% 1985, 33% avg.; poor, some fair. Fire-cured harvest 22% complete, 52% 1985, 65% avg. Sun-cured harvest 38% complete, 36% 1985, 50% avg. Pasture, hay land much improved. Hay harvest active. Topdressing, seeding pasture, hayland. Some feeder cattle sales. Vaccinated calves. Land preparation for small grains.

WASHINGTON: Warm, dry statewide. Temperatures averaged 2 to 11° above normal. Precipitation minimal.

Days suitable for fieldwork 7.0. Soil moisture 70% short, 30% adequate. Winter wheat 99% harvested, 95% 1985, 95% avg. Fall planting underway. Potatoes mostly good; 22% harvested. Dry beans mostly good; 10% harvested. Hop harvest underway. Vegetable harvest full swing. Fruit, berry harvest continued; Bartlett pears past peak, Golden Delicious apples underway, blueberries nearly complete. Hay supplies 80% adequate, 20% surplus. Range, pasture 70% short, 30% adequate.

WEST VIRGINIA: Temperatures averaged well below normal. Temperature extremes 31° Greenbank; 93° Ripley. Average temperature 62°. Precipitation below normal except southeast above normal. Average precipitation 0.61 in.

Days suitable for fieldwork 4.3. Soil moisture 6% very short, 40% short, 50% adequate, 4% surplus.

WISCONSIN: Temperatures averaged 61°, 5° below normal; low 32°, high 87°. Rainfall 0.20 to 2.10 in. Cool, cloudy not good for haying.

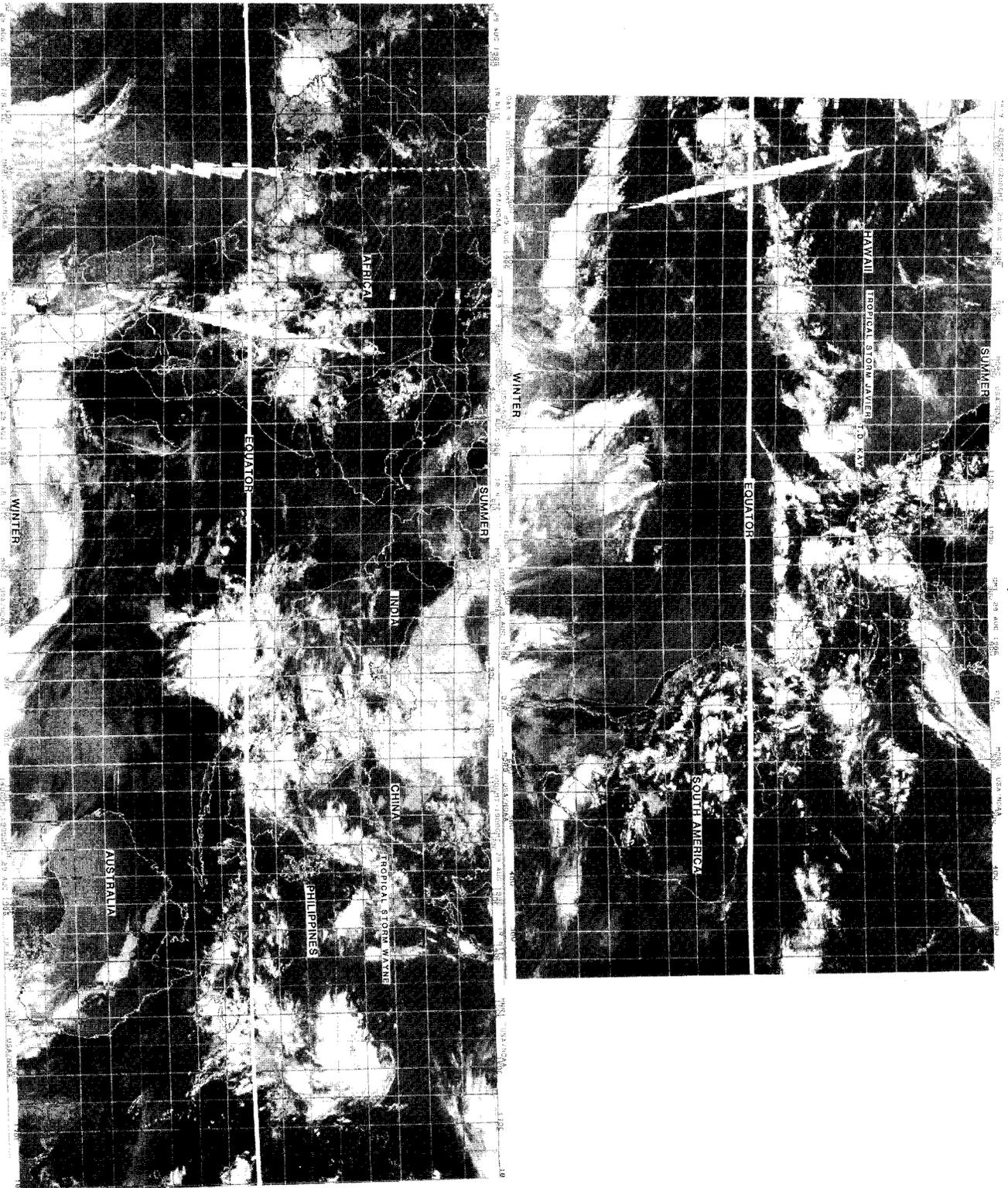
Days suitable for fieldwork 4.8. Soil moisture 4% short, 73% adequate, 23% surplus. Crops 1% very poor, 1% poor, 7% fair, 70% good, 21% excellent. Corn 5% fair, 48% good, 47% excellent. Corn in dough 72%, 64% 1985, 69% avg. Corn in dent 30%, 23% 1985, 28% avg. Corn mature 4%, 2% 1985, 2% avg. Soybeans leaves beginning to turn, above average number pods per stalk. Second cutting hay 92%, 93% 1985, 93% avg. Third cutting hay 30%, 35% 1985, 26% avg. Yields good, difficult to dry. Oats 93% harvested, 92% 1985, 93% avg. Snap bean yields below average.

WYOMING: Temperatures averaged 2 to 3° above normal. Precipitation generally below normal.

Days suitable for fieldwork 6.0. Topsoil moisture 53% short, 47% adequate. Barley turning color 10%, 10% 1985; mature 10%, 15% 1985; harvested 80%, 75% 1985, 75% avg. Spring wheat turning color 5%, 5% 1985; mature 20%, 15% 1985, 50% avg.; harvested 75%, 80% 1985, 65% avg. Oats turning color 10%, 10% 1985; mature 15%, 25% 1985, 45% avg.; harvested 75%, 65% 1985, 55% avg. Dry beans leaves turning color 70%, 65% 1985, 60% avg.; windrowed 35%, 10% 1985; combined 10%. Corn milk stage 20%, 50% 1985, 45% avg.; dough 40%, 40% 1985, 40% avg.; dented 30%, 10% 1985, 15% avg.; mature 10%. Alfalfa second cutting completed 80%, 85% 1985, 70% avg. Other hay harvested 90%, 90% 1985, 90% avg. Winter wheat 1987 crop planted 15%, 15% 1985, 15% avg. Fall grazing prospects 35% fair, 65% good. Range and pasture condition 40% fair, 60% good. Livestock mostly good.

Global Weather Satellite Image

AUGUST 29, 1986



international Weather and Crop Summary

August 24 - 30, 1986

AUGUST 1986

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA

*** = DATA NOT AVAILABLE

HIGHLIGHTS:

UNITED STATES ... Rain promotes growth, but below-normal temperatures slow crop development across most of the eastern half of the Nation.

U.S.S.R. ... In Western U.S.S.R., early-week wet weather in the west delays harvesting. Topsoil moisture in the Volga Valley is unfavorably low for winter grain planting. In the New Lands, dry weather aids harvesting.

EUROPE ... Wet weather over the north slows harvesting but provides abundant preplanting topsoil moisture for winter grains.

SOUTH ASIA ... Much-below average rainfall occurs again throughout India.

EASTERN ASIA ... Dry weather covers the North China Plain, aiding early corn and soybean harvesting. Typhoon Vera produces moderate to heavy rain and strong winds over Korea, possibly damaging rice.

MEXICO ... Showers help corn development in the Southern Plateau corn belt and corn establishment in the south.

CANADA ... Generally dry, mild weather favors crop harvesting in the Prairie grain belt.

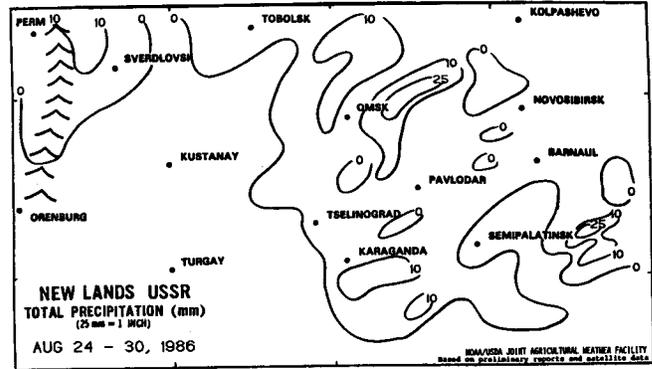
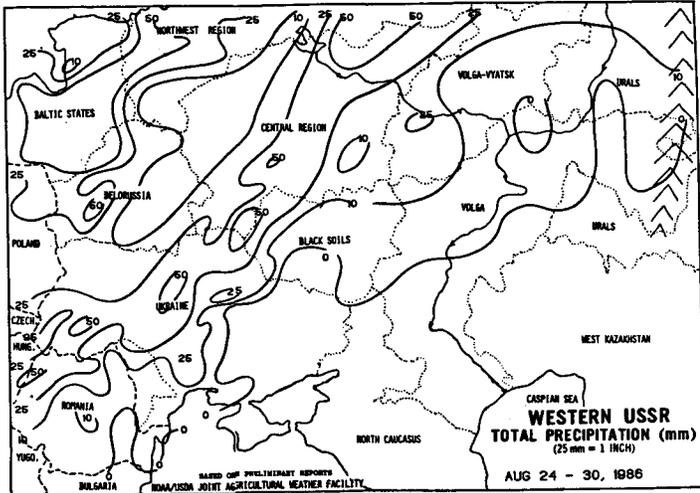
SOUTHEAST ASIA ... Substantial rain fell in Thailand, generally benefiting rice growth but delaying corn harvesting. Inundative rain fell in western Luzon, Philippines.

SOUTH AMERICA ... Light showers fall over most wheat areas of Argentina and Brazil. Moisture continues to be limited for Argentina's wheat crop.

AUSTRALIA ... Light rain favors wheat growth throughout the crop areas.

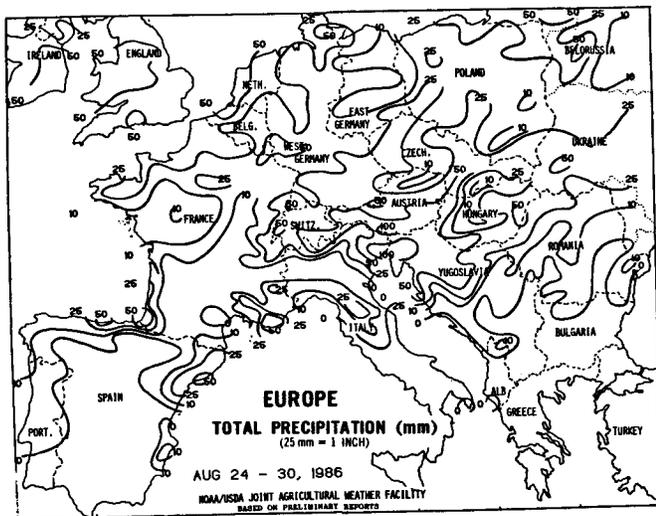
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG	AVG	HI	LO	DPART	TOTAL	DPART	F/NRM
	MAX	MIN	MAX	MIN	F/NRM			
NORWAY OSLO	16	8	20	2	12	-2.0	134.2	36.0
SWEDEN STOCKHOLM	18	11	26	4	14	-2.1	116.9	46.1
FINLND HELSINKI	18	10	28	4	14	-1.6	184.0	108.4
U KING GLASGOW	17	8	20	2	13	-2.8	105.4	14.5
EDINBURGH	16	9	19	4	12	-1.9	72.9	-1.1
BIRMINGHAM	17	10	21	5	14	-1.9	113.6	41.5
LONDON	19	10	25	5	15	-1.1	81.6	24.6
IRELND DUBLIN	16	9	20	4	12	-2.4	160.0	85.4
ICELND REYKJAVIK	12	8	17	5	10	-0.5	51.2	-4.1
DENMRK COPENHAGEN	20	11	25	5	15	-2.1	45.9	-20.1
LUXEMB LUXEMBOURG	20	12	34	6	16	-0.6	104.1	30.6
SWITZL ZURICH	22	13	32	7	18	0.8	161.6	19.4
GENEVA	25	13	35	5	19	0.9	89.5	-11.6
FRANCE PARIS	23	12	36	5	17	-0.5	47.8	-9.8
STRASBOURG	24	13	36	6	19	0.5	109.0	36.1
BOURGES	24	12	38	5	18	-0.6	94.4	27.4
BORDEAUX	25	13	32	6	19	0.2	45.4	-18.8
TOULOUSE	27	15	34	6	21	1.0	38.2	-9.4
MARSEILLE	29	18	34	9	23	0.7	24.4	-1.2
SPAIN VALLADOLID	28	13	35	6	21	0.0	2.3	-7.6
MADRID	32	14	37	10	23	-0.9	9.0	-1.4
SEVILLE	36	18	41	14	27	0.1	0.0	-4.5
E GRMY LEIPZIG	23	13	34	8	18	0.4	62.4	3.0
DRESDEN	22	13	34	8	18	0.1	121.1	49.1
W GRMY HAMBURG	21	12	30	7	16	-0.2	54.5	-29.4
BERLIN	23	14	35	9	18	0.0	51.9	-13.2
DUSSELDORF	23	13	36	7	18	-0.2	38.3	-39.7
STUTTGART	23	13	33	6	18	0.9	100.1	1.5
NURNBERG	23	14	33	6	18	1.2	96.7	23.6
MUNICH	23	13	31	5	18	0.9	107.4	-5.0
AUSTRI VIENNA	26	15	32	8	20	1.0	66.6	4.6
INNSBRUCK	23	13	33	7	18	1.2	129.2	9.6
CZECH PRAGUE	23	12	33	7	17	0.3	127.6	61.8
POLAND WARSAW	23	13	33	7	18	0.1	77.8	22.1
LODZ	22	12	32	6	17	0.6	102.9	35.8
KATOWICE	22	13	30	5	17	0.9	109.9	19.0
PRZEMYSL	23	14	30	8	19	1.2	83.1	5.2
HUNGAR BUDAPEST	28	16	33	8	22	1.7	60.3	13.3
YUGOSL SARAJEVO	28	13	32	6	20	2.6	49.8	-27.2
ROMANI BUCHAREST	31	14	35	0	23	0.6	24.5	-27.7
BULGAR SOFIA	29	16	32	10	22	2.3	59.0	20.2
ITALY MILAN	29	18	33	9	23	1.3	26.8	-67.8
VERONA	29	19	34	10	24	1.8	30.6	-50.7
VENICE	28	18	33	10	23	0.5	78.2	1.9
GENOA	28	22	34	13	25	0.8	24.0	-29.8
ROME	30	19	33	11	25	0.7	2.0	-25.2
NAPLES	33	20	37	14	27	3.6	0.0	-57.1
GREECE THESSALONIKA	32	20	36	17	26	-0.4	25.9	5.9
LARISSA	34	18	40	15	26	-1.0	10.3	-1.7
ATHENS	33	23	34	20	28	-0.3	0.0	-5.3
TURKEY ISTANBUL	30	21	33	18	25	1.9	0.0	-21.0
ANKARA	32	14	35	11	23	-0.4	0.0	-37.0
CYPRUS LARNACA	32	22	34	19	27	-0.7	0.0	-1.0
USSR TALLINN	18	11	30	6	15	-1.0	64.1	-5.3
LENINGRAD	19	13	30	6	16	-0.5	83.3	9.5
KAUNAS	21	11	31	7	16	-0.4	182.4	119.3
MINSK	22	13	29	5	17	0.8	117.0	39.4
KAZAN	22	11	32	4	17	-0.4	61.0	-2.9
MOSCOW	22	12	28	4	17	0.3	140.8	66.8
SVERDLOVSK	18	9	27	0	14	-1.0	77.4	12.7
OMSK	21	11	27	0	16	0.3	49.6	-3.8
KUSTANAY	24	12	34	3	18	0.1	50.1	18.8
KRASNOYARSK	21	11	28	6	16	1.2	45.9	-24.7
NOVOSIBIRSK	19	11	25	7	15	-1.2	94.7	41.4
BARNAUL	21	12	29	6	17	-0.2	82.3	29.7
KHABAROVSK	24	15	28	11	19	0.0	109.4	-12.3
VLADIVOSTOK	22	17	27	15	19	-0.2	234.8	81.4
KIEV	25	14	32	7	20	0.7	116.6	45.6
LVOV	23	13	31	7	18	1.2	87.0	2.9
KIROVOGRAD	28	14	32	9	21	1.1	4.7	-39.4

COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG MAX	AVG MIN	HI	LO	DPART	F/NRM	TOTAL	DPART		AVG MAX	AVG MIN	HI	LO	DPART	F/NRM	TOTAL	DPART
USSR	29	18	33	12	23	1.6	8.0	-25.2	GABON	27	21	29	13	24	-0.3	60.9	54.4
	29	21	35	12	25	1.2	3.0	-22.9	TOGO	28	21	31	20	25	-0.3	3.0	-23.1
	27	14	38	7	20	1.6	31.8	-26.9	B FASO	31	23	34	20	27	0.6	212.8	-37.0
	28	16	40	9	22	2.4	13.3	-26.1	IVRY C	27	22	28	21	24	0.1	28.2	-0.9
	27	15	34	9	21	1.4	23.5	-59.8	MOZAMB	28	15	36	11	21	1.6	0.3	-15.9
	29	17	33	11	23	0.7	12.0	-18.4	ZAMBIA	25	10	29	7	18	-0.6	0.0	0.0
	30	17	39	-19	24	1.4	4.6	-36.9	ZIMBAB	24	10	27	6	17	1.2	0.0	-2.0
	32	18	35	14	25	1.4	5.0	-10.6	S AFRI	24	9	29	2	16	2.5	2.0	-3.5
	33	19	36	14	26	2.7	0.0	-55.9	KROONSTAD	23	3	30	-5	13	1.0	35.4	22.4
	26	12	33	3	19	-0.5	21.4	-6.9	JOHANNESBURG	21	8	26	1	15	2.5	7.4	1.1
	24	12	32	7	18	0.5	30.0	-3.9	BETHAL	21	6	27	-2	14	2.2	0.6	-8.3
	25	12	31	8	18	0.9	35.5	6.7	DURBAN	23	14	26	9	19	1.2	126.7	76.0
	32	20	36	17	26	2.1	17.3	-27.7	CAPE TOWN	19	10	28	4	14	2.0	115.5	36.3
	34	18	40	13	26	1.0	0.0	-3.0	CANADA	24	12	29	4	18	-1.3	136.0	59.2
	36	20	41	15	28	-1.0	0.0	-0.8	MONTREAL	23	13	29	3	18	-1.2	132.1	40.2
SYRIA	37	17	39	11	27	0.4	0.0	0.0	WINNIPEG	25	11	33	3	18	-0.8	17.3	-57.9
ISRAEL	29	17	39	13	23	-0.6	0.0	0.0	REGINA	26	10	34	2	18	-0.2	13.8	-30.9
PAKIST	31	25	34	22	28	-1.1	63.5	9.9	SASKATOON	25	10	33	2	17	-0.3	14.5	-30.7
INDIA	34	25	39	22	29	-0.5	193.3	9.3	LETHBRIDGE	27	9	33	1	18	0.7	12.9	-34.3
	34	27	40	24	31	0.9	147.8	-100.3	CALGARY	24	9	30	5	16	1.1	25.4	-30.1
	31	24	34	23	28	-0.5	125.8	-93.7	EDMONTON	23	11	29	6	17	0.8	18.5	-59.4
	28	21	33	19	25	-0.2	157.9	-132.9	VANCOUVER	23	15	28	11	19	1.7	0.0	-41.1
	33	27	35	21	30	0.7	129.5	-158.6	MEXICO	27	15	32	12	21	0.6	342.2	130.9
	28	25	31	24	27	-0.7	33.4	-149.6	MEXICO CITY	23	12	27	10	18	1.1	70.8	-32.6
	30	25	31	21	27	0.4	345.1	-315.4	ACAPULCO	34	25	37	23	30	0.8	48.8	-223.2
	27	21	29	18	24	-0.7	104.4	-11.6	BERMUD	30	26	31	24	28	0.7	58.4	-87.7
	30	22	33	20	26	0.2	182.5	16.3	BAHAMA	33	24	39	20	28	0.4	92.4	-94.6
	35	26	38	23	31	1.0	43.5	-112.5	CUBA	31	24	33	22	28	0.2	162.1	62.8
	28	23	31	21	26	-0.4	538.5	-38.6	JAMAIC	33	25	35	19	29	0.7	34.3	-62.2
H KONG	32	27	34	25	29	1.2	275.5	-137.9	P RICO	32	24	33	23	28	-0.1	87.0	-63.6
N KREA	26	18	30	12	22	-2.3	314.5	82.6	GUADEL	31	25	33	23	28	0.9	45.8	-98.5
S KREA	28	21	33	18	25	-0.6	372.1	148.1	MARTNQ	30	25	31	21	28	1.5	56.2	-187.6
JAPAN	27	19	33	14	23	1.6	73.5	-57.4	BARBAD	30	27	31	24	28	1.0	32.4	-115.8
	33	24	35	20	28	1.4	15.0	-155.2	TRINID	31	24	34	22	28	1.3	109.7	-124.3
	30	24	35	20	27	0.6	236.0	99.0	COLOMB	19	8	28	1	13	0.6	89.1	51.6
	30	24	33	20	27	0.5	190.0	57.8	VENEZU	32	24	34	21	28	0.6	41.0	-9.2
	33	24	36	20	29	1.1	27.6	-148.4	F GULA	31	22	32	19	27	0.9	136.2	-28.6
	33	25	36	20	29	0.9	103.0	0.0	BRAZIL	29	23	32	21	26	-0.5	27.0	6.1
THAILN	33	24	35	23	28	1.1	100.7	-97.9	RECIFE	28	21	29	19	24	0.2	317.7	149.4
	33	26	35	24	29	0.9	202.0	4.1	BELO HORIZONTE	26	16	30	13	21	1.0	36.2	26.4
MALAYS	33	23	35	22	28	1.2	105.0	-37.5	CAMPO GRANDE	28	18	33	12	23	1.9	75.1	46.1
VIETNM	33	26	35	20	29	1.1	182.2	-160.7	FRANCA	24	14	27	11	19	-0.2	80.6	69.7
CHINA	24	15	28	10	20	-1.8	226.4	129.2	RIO DE JANEIRO	26	21	31	18	23	1.5	34.8	-15.8
	33	17	42	10	25	-0.2	4.1	0.6	LONDRINA	25	14	32	8	20	0.4	170.2	117.6
	28	15	35	10	21	0.3	41.8	-43.6	SANTA MARIA	21	13	30	6	17	1.4	148.3	22.3
	30	20	33	16	25	0.4	184.3	-28.0	PORTO ALEGRE	22	13	31	8	17	1.9	158.4	44.4
	30	22	33	17	26	-0.1	189.6	27.2	PERU	19	16	22	13	17	1.5	5.0	2.8
	23	10	27	7	16	0.7	73.9	-58.4	BOLIVI	13	-3	16	-12	5	-3.1	31.2	15.6
	24	16	27	13	20	0.7	307.5	105.2	CHILE	15	6	23	-1	11	1.2	33.3	-15.2
	31	21	40	16	26	0.0	80.2	-39.1	ARGENT	23	14	30	6	18	****	87.7	*****
	32	24	38	20	28	0.3	122.7	-53.2	FORMOSA	24	15	33	7	19	2.3	38.7	-9.3
	32	24	37	19	28	-0.5	26.1	-93.4	CERES	20	11	30	3	15	1.4	18.3	-5.8
	31	24	38	18	28	-1.5	125.4	-13.8	CORDOBA	18	9	30	2	14	1.7	12.9	2.1
	33	22	36	18	27	0.4	5.8	-117.7	RIO CUARTO	15	7	29	0	11	0.3	56.1	39.2
	31	25	36	20	28	0.1	147.5	21.5	ROSARIO	16	9	25	0	12	1.0	60.8	22.2
	33	26	38	22	29	0.0	64.0	-39.2	BUENOS AIRES	15	8	23	2	12	1.0	109.4	46.5
	33	26	36	20	30	1.6	356.3	71.3	SANTA ROSA	13	3	26	-3	9	-0.7	5.1	-11.5
	34	26	36	23	30	1.7	204.5	-23.2	TRES ARROYOS	12	4	19	-4	8	0.0	28.5	-13.3
	34	25	36	13	30	1.9	207.3	-8.3	MIDW I	29	25	31	22	27	0.8	66.3	-99.4
CNRY I	27	21	31	19	24	0.2	0.0	0.0	N CALD	23	17	26	14	20	0.0	75.2	5.6
MOROCC	25	20	30	17	22	-0.1	0.0	-0.9	FIJI	24	19	28	16	22	-1.0	90.4	-108.0
	37	21	44	16	29	1.3	0.0	-2.1	SAMOA	28	24	29	21	26	-0.2	128.0	-55.5
ALGERI	34	20	38	13	27	2.2	3.4	-0.8	TAHITI	29	21	30	18	25	0.5	126.4	81.3
	34	18	37	12	26	2.1	5.2	-14.9	N ZEAL	14	7	17	3	11	-0.9	162.0	37.1
TUNISI	35	22	39	19	28	2.1	0.0	-8.5	WELLINGTON	10	6	15	1	8	-0.8	129.4	-1.4
NIGER	33	24	38	21	29	1.5	118.1	-80.1	PA N G	29	24	30	19	26	0.1	12.0	-15.7
MALI	38	27	43	24	32	2.4	21.3	-58.7	AUSTRL	30	23	34	18	26	0.5	11.0	8.1
	31	23	34	20	27	1.0	214.5	-89.2	MOREE	18	7	23	3	12	0.2	63.5	25.6
MAURIT	33	25	42	21	29	0.6	7.7	-32.8	BRISBANE	20	11	24	7	16	-0.2	107.4	61.6
SENEGL	30	25	39	18	28	0.4	109.4	-78.0	PERTH	16	7	20	1	12	-1.5	90.3	-25.7
CHAG A	29	24	30	22	26	0.4	189.0	5.1	CEDUNA	16	8	23	1	12	-0.2	57.5	20.5
LIBYA	36	22	42	17	29	1.4	0.0	0.0	ADELAIDE	15	10	21	7	12	0.4	82.1	33.0
	31	22	35	20	27	0.3	0.0	0.0	MELBOURNE	13	6	17	0	10	-0.8	51.1	-2.8
EGYPT	35	23	38	20	29	0.9	0.0	0.0	WAGGA	14	5	17	0	9	0.6	57.4	-0.9
	40	27	42	25	33	-0.5	0.0	0.0	CANBERRA	12	2	17	-4	7	0.5	62.1	12.0
ETHIOP	21	8	23	6	14	-0.9	236.7	-27.4	INDONE	31							

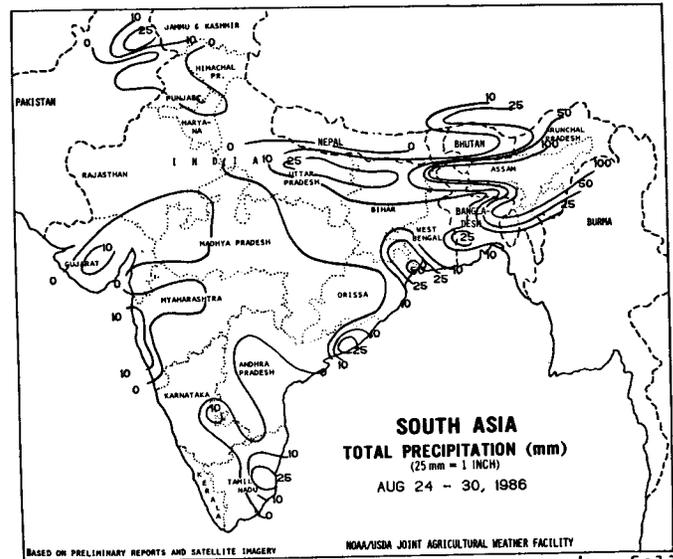


In the New Lands, most spring grain areas had favorable harvest weather. Spring grains were mature over much of the region, except in the extreme north where the crop was maturing. Early-week temperatures were above normal, then by week's end, cold air pushed southward over the region, causing temperatures to fall below normal.

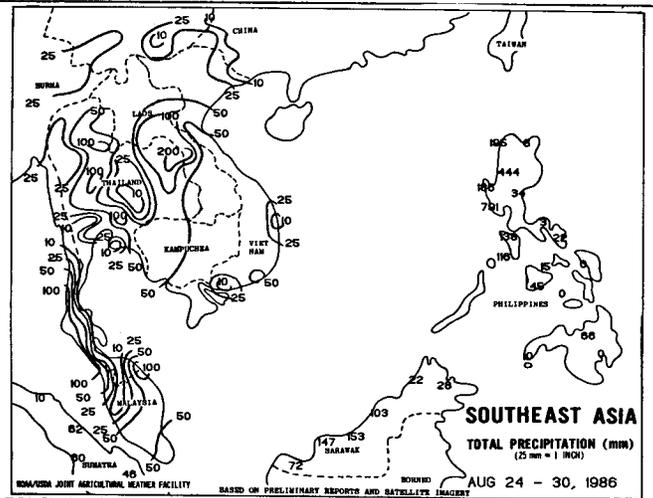
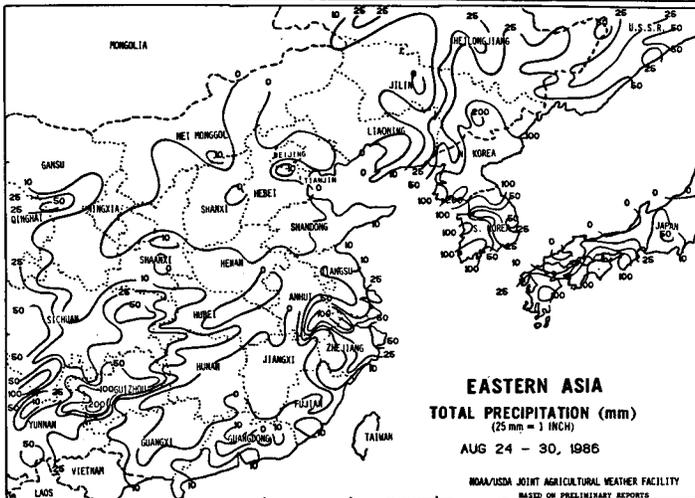
U.S.S.R. ... In Western U.S.S.R., an early-week storm produced widespread wet weather over the western half of the region. Heaviest rainfall (around 50mm) covered the Baltic States, the southwestern and northern Ukraine, and the middle of the Central Region. The rain likely caused harvest delays. Elsewhere, light showers (10mm or less) caused only minor delays in harvesting. Winter grain planting continued in northern crop areas, and topsoil moisture was adequate for uniform emergence and good early establishment. Chronic dryness in the Volga Valley was prompting concern because topsoil moisture was unfavorably low for planting. Dry weather in the south helped corn and sunflower maturation.



EUROPE ... Widespread rain fell over much of the region, except for Mediterranean crop areas and the southeast, which were dry. Heaviest rainfall (around 50mm) covered crop areas in England, central West Germany, central Czechoslovakia, and eastern Hungary, causing harvest delays. Light rain in central France, East Germany, eastern Poland, and northern Italy may have briefly interrupted harvesting. Mostly dry weather in southern Romania, eastern Yugoslavia, and Bulgaria favored summer crop maturation and aided harvesting. Topsoil moisture across most of northern Europe was abundant for winter grain planting, which begins in September.

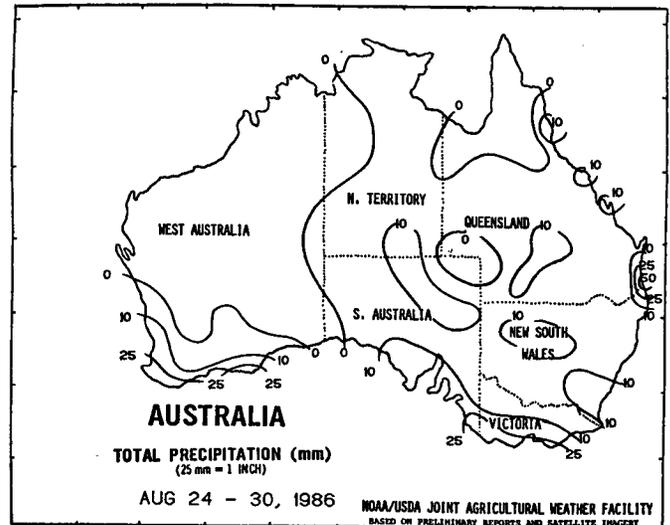
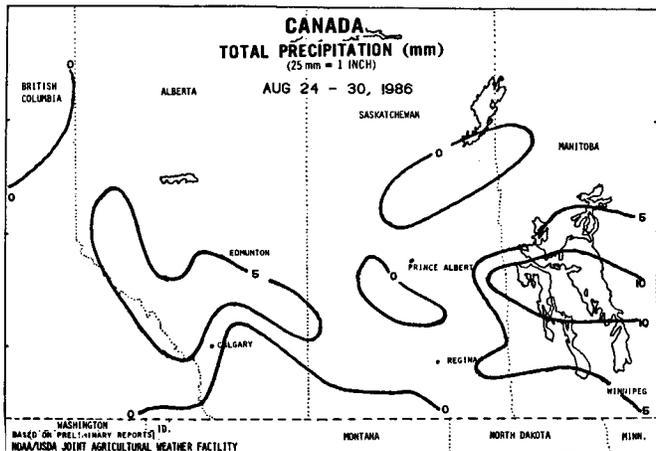


SOUTH ASIA ... Much-below average rain fell throughout India. Scattered showers fell in the moisture-deficient west and south, but weekly totals were generally less than 5mm. Isolated showers produced 10mm or more in Gujarat and coastal areas of Maharashtra, Tamil Nadu, and Andhra Pradesh. Heavier rain (25 to over 50mm) fell in West Bengal, northern Bihar, and northeastern Uttar Pradesh. The only near-to above-average rain fell in the far eastern states. The unseasonable dry weather was unfavorable for crops in peak moisture-sensitive stages of development. Groundnuts were flowering to pegging, cotton was flowering to setting bolls, and rice was heading. Light to moderate showers fell in extreme northwestern India and northern Pakistan, helping to replenish moisture supplies for winter crop planting.



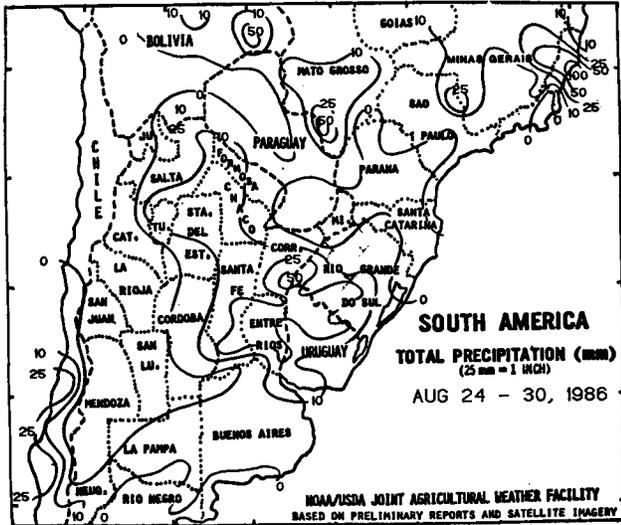
EASTERN ASIA ... Dry weather covered the North China Plain, aiding early corn and soybean harvesting and favoring cotton maturation. Winter wheat planting normally begins in mid-September in the North China Plain. Unfavorable dry weather covered late single crop rice in Hubei and Anhui, while showers benefited filling rice in Sichuan, Guizhou, and Jiangsu. Light rain in Zhejiang benefited late double cropped rice in the filling stage. Dry weather since mid-July in Jiangxi and Hunan stressed late double cropped rice, which advanced through reproduction. Typhoon Vera brushed the east China coast and moved northeastward through Korea before weakening as it entered the Sea of Japan. Vera produced widespread moderate to heavy rain and strong winds over western South Korea and much of North Korea, possibly damaging rice in the filling stage. Summer crop areas in the Manchurian Valley received light showers, as most of Vera's rain fell further east over the mountains.

SOUTHEAST ASIA ... In Thailand, the rain pattern was highly variable with scattered rainfall of 90 to 196mm extending from just north of Bangkok to the northern highlands. Isolated drier pockets of less than 15mm of weekly rainfall were also scattered throughout the country. The rain generally benefited rice growth but delayed corn harvesting. Another area of locally heavy rain (139 to 239mm) likely caused flooding in extreme northeastern Thailand and central Laos. Elsewhere, moderate showers fell over the remainder of Laos and Vietnam. Above-normal rain fell over Malaysia. Typhoon Wayne brought heavy tropical showers (150 to over 300mm) to western Luzon throughout the week. Flooding was widespread, likely extending into rice and sugarcane areas. Moderate shower activity occurred over eastern Luzon and the southern islands.

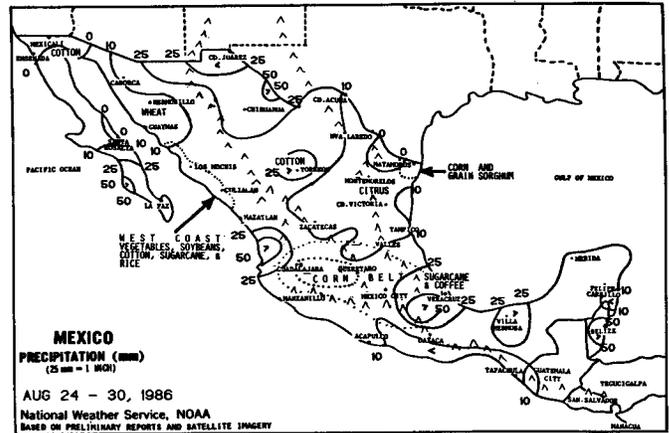


CANADA ... Mostly dry, mild weather promoted ripening of grains and oilseeds and favored harvesting, which is becoming widespread across the Prairie grain belt. No rain fell in the southwestern Prairies where harvesting was most advanced. Weekly rainfall averaged less than 5mm throughout most of Saskatchewan, northern crop areas of Alberta, and southern Manitoba. Somewhat higher rain (5 to 12mm) fell over northern crop areas of Manitoba where the harvest is just beginning. In Saskatchewan, harvesting has progressed ahead of last year's pace with about 45 percent of both spring wheat and rapeseed swathed compared with about 40 percent last year at this time. Spring wheat was about 15 percent combined, mostly from southern portions of the province.

AUSTRALIA ... Light rain fell over Australia's wheat areas. Rainfall generally averaged less than 10mm in the primary growing areas of New South Wales, southeastern Queensland, and northern Victoria. Heavier showers (10 to 34mm) fell over coastal regions of Victoria and South Australia. Moisture was generally adequate for wheat as it advances through vegetative growth phases, especially in the south and west. Light tropical showers covered the eastern two-thirds of the country. Isolated rainfall of 10 to 13mm in south-central Queensland benefited rangelands. Throughout the wheat belt, weekly mean temperatures averaged 10 to 13 degrees C, promoting wheat growth. Somewhat warmer weather occurred in southern Queensland.



SOUTH AMERICA ... In Argentina, some rain fell over most wheat areas, but amounts were mostly light (5mm or less) in the major producing province of Buenos Aires. Some heavier showers (10 to 34mm) provided beneficial topsoil moisture for early wheat growth in extreme northeastern Buenos Aires, southern Santa Fe, and Entre Rios. These beneficial showers also extended into northern cotton and sorghum growing areas, moistening soils for the spring planting season. Dry weather persisted for emerging wheat in northwestern Buenos Aires, northern La Pampa, and western Cordoba. In Brazil, showers diminished over much of the center-south crop region. Weekly rainfall was less than 10mm throughout the wheat areas except for locally heavy rain in southern Mato Grosso do Sul. Wheat ranged from maturing in the north to vegetative growth in the south. Substantial showers fell in southern Minas Gerais benefiting flowering of coffee trees.



MEXICO ... In the Southern Plateau corn belt, weekly rainfall was mostly 10 to 25mm, providing some beneficial moisture for corn development. Heavier showers (25 to 65mm) fell in both the western and eastern extremities of the major corn growing area. Shower activity continued to increase in southern Mexico, benefiting early corn growth. Showers extended into the Yucatan peninsula, averaging 10 to 15mm of rain. A broad area of 10 to 25mm of weekly rainfall covered the western mountains and north-central rangelands providing moisture for irrigation and range growth. Irrigation was likely needed along the west coast farming area, especially in the north where less than 5mm of rain fell. Mostly dry weather in the northeast favored maturing crops and harvesting.

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