

# 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

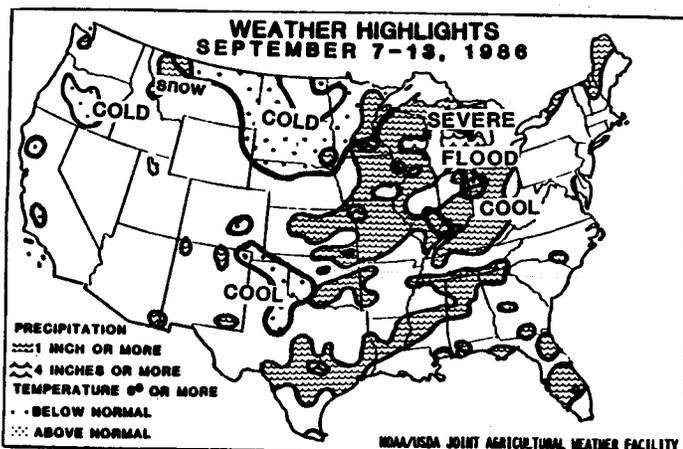
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## National Weather Summary

September 7 to 13, 1986



Basin and Rockies, then spread over the northern Plains. Moderate to heavy thunderstorms covered the Great Lakes region. Texas had a respite from the heavy showers as only light thundershowers fell through the State. The cold air moved to the Ohio Valley, mid-Atlantic, and Northeast region.

**WEDNESDAY...**An intense storm moved from the central Plains northeastward and spread severe weather and heavy rain from eastern Kansas to Wisconsin and eastward to Lake Ontario. Severe flooding occurred in much of lower Michigan. Thundershowers covered most of the Plains, the central and northern Rockies, and the Southeast. Cooler weather spread over the central Great Basin and northern Rockies.

**THURSDAY...**Widespread showers and thunderstorms covered an area from eastern Texas to the Florida Panhandle and northward through the Great Lakes and the Appalachians. Heavy rain exacerbated flooding through most of lower Michigan and swelled streams southward to the Ohio Valley and parts of the Tennessee Valley. Cold air continued to spread over the West and began to nudge into the Plains.

**FRIDAY...**The rain stopped in Michigan leaving swollen streams that threatened dams through the State. Mostly light showers and thunderstorms were confined to the East Coast States and the gulf coast. Snow fell in the northern Rockies, and cold, light rain spread over the northern Plains.

**SATURDAY...**Rainshowers reached from northern Illinois and southern Wisconsin across the northern Plains to the Pacific Northwest. Snow fell in the mountains of Montana. Thunderstorms developed in central and western Texas and in New Mexico. Cool air covered most of the Nation, but the weather was warmer in the West.

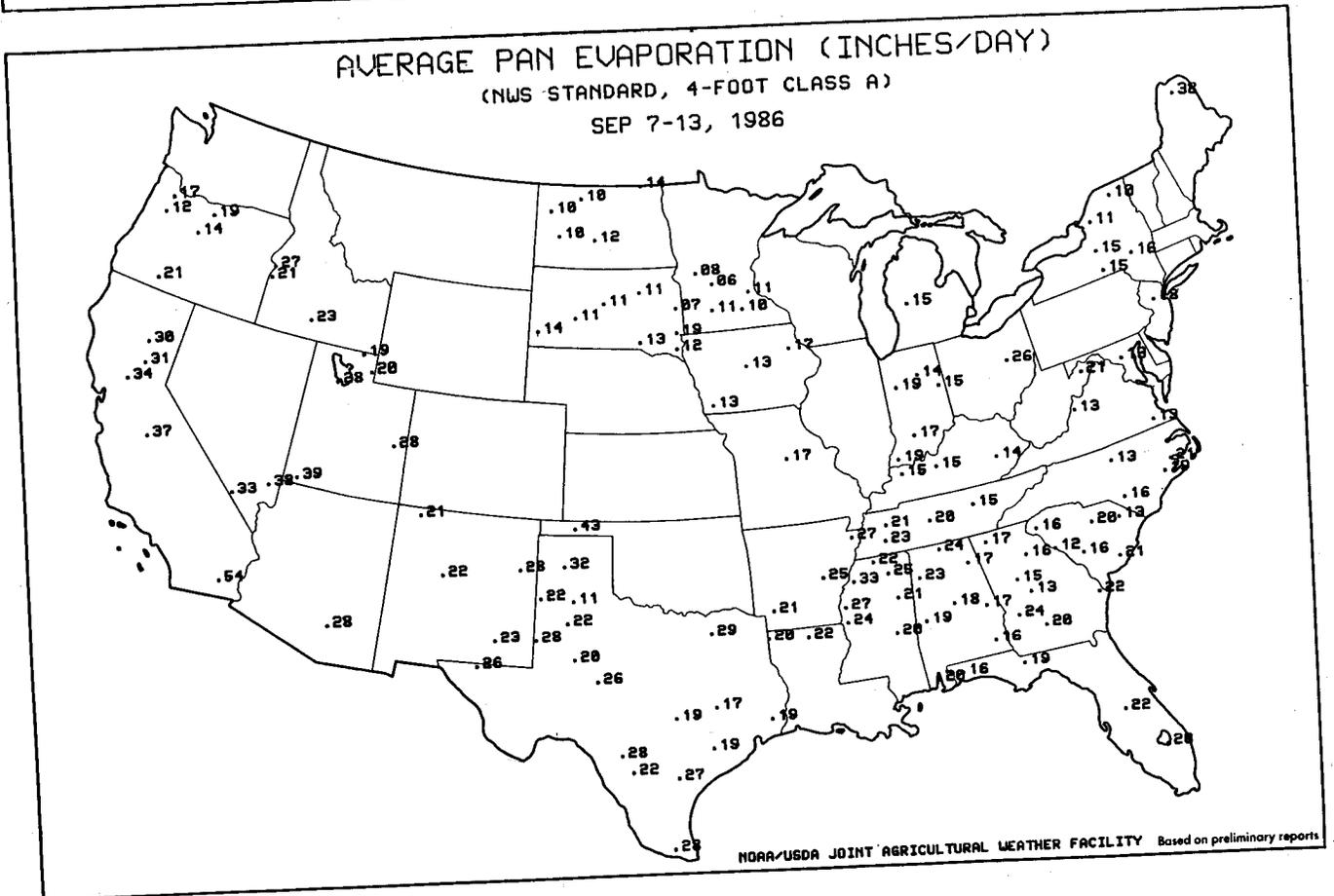
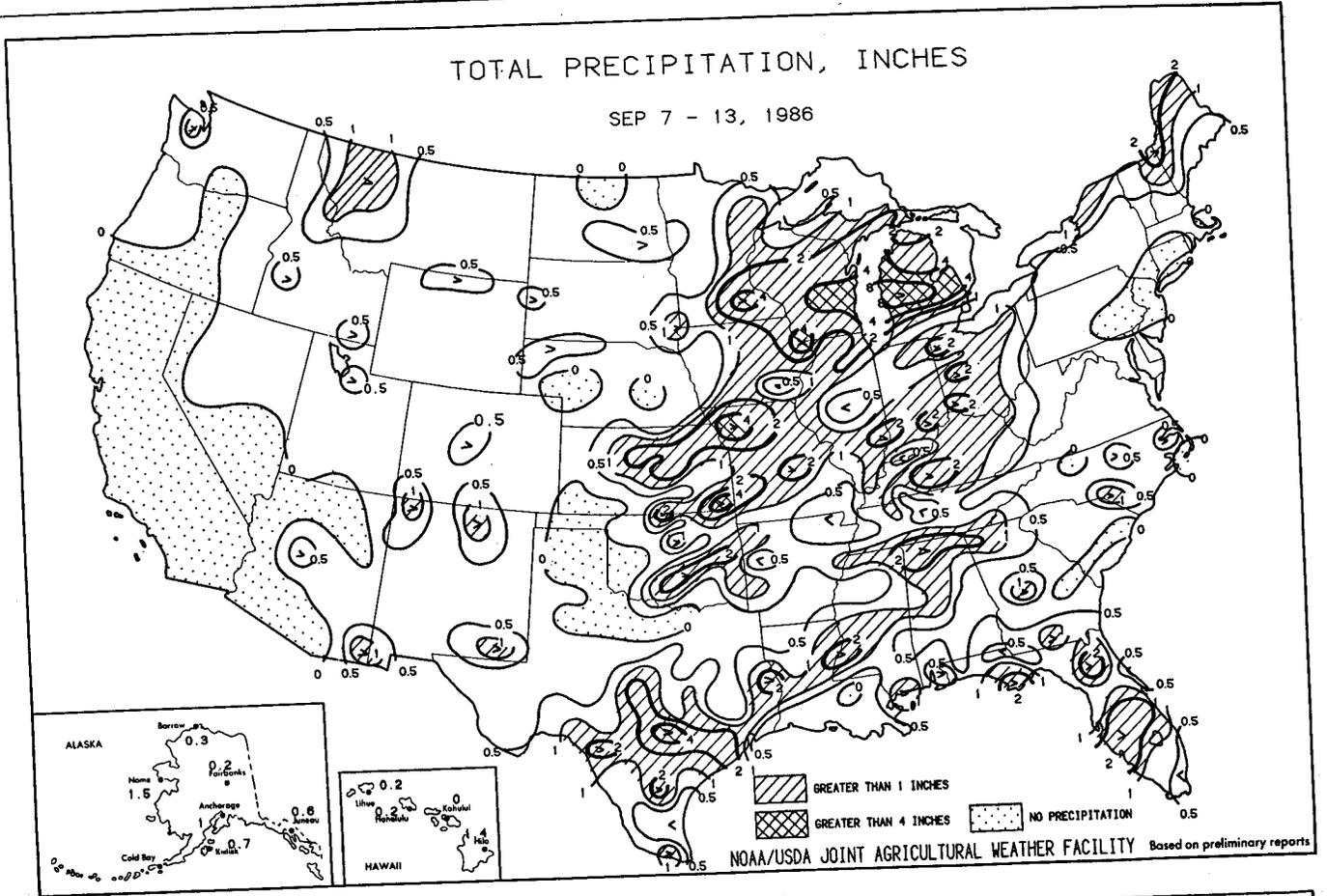
**HIGHLIGHTS:** Thunderstorms in south-central Texas early in the week caused local flooding. At mid-week a line of severe thunderstorms reached from eastern Kansas to the upper Mississippi Valley and eastward to Lake Ontario. Torrential rain fell in lower Michigan, causing severe flooding on most rivers, and threatened many dams. Showers and thunderstorms reached to the western slopes of the Appalachians, but only light showers fell east of the range. Snow fell in the northern Rockies as very cold air plunged into the West. Cool air spread through the Plains and covered most of the Nation by week's end. Record-cold temperatures were observed from the Great Lakes to the mid-Atlantic States and to the Tennessee Valley.

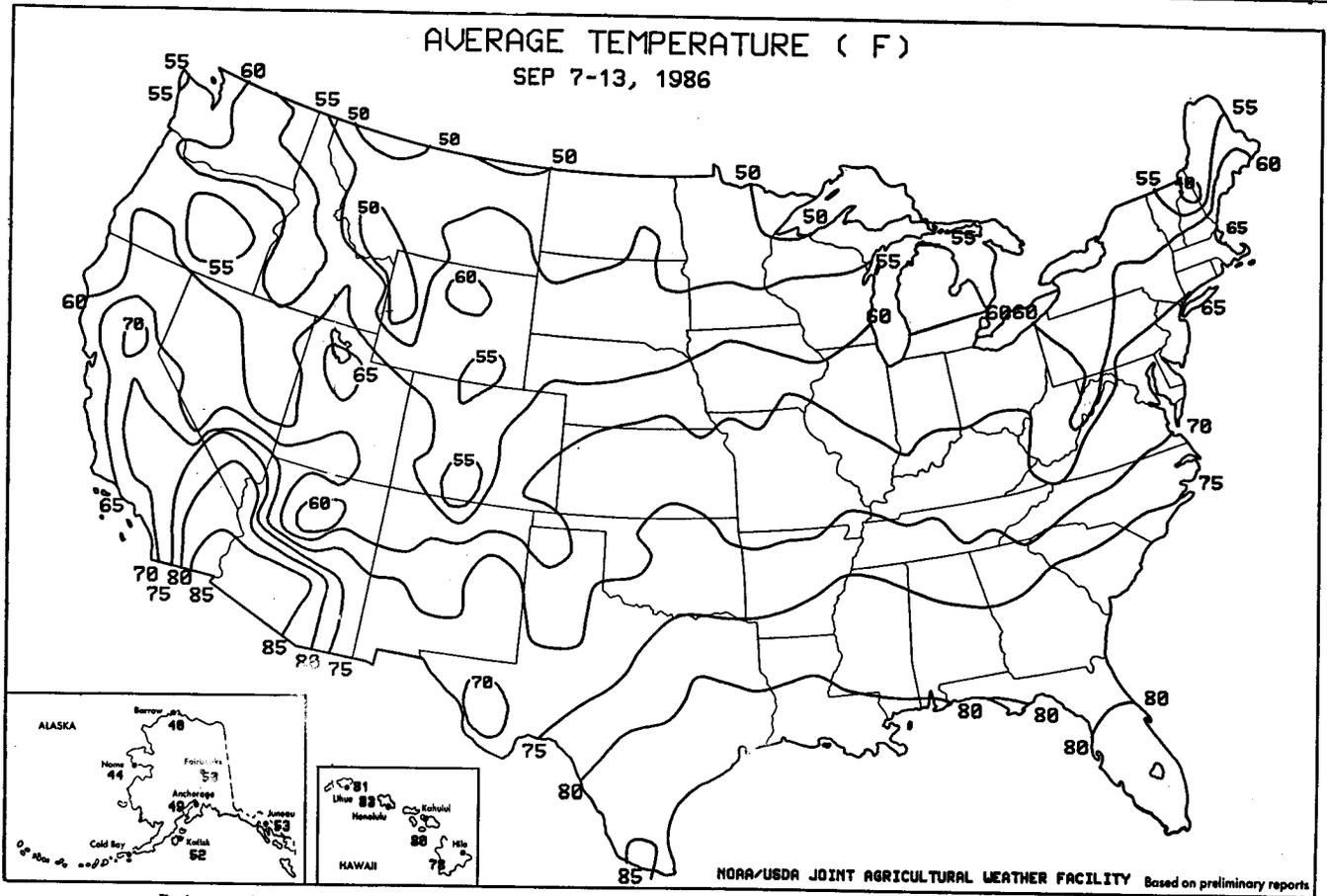
**SUNDAY...**Heavy thunderstorms again inundated parts of southern Texas while lighter showers covered most of the State. Thundershowers also covered most of the Rockies and along a line from the central Rockies through Missouri and Kentucky to the mid-Atlantic States. Light showers fell in most of the Northeast, parts of Georgia, and in Florida. Record-cool temperatures covered the upper Midwest.

**MONDAY...**A strong, high pressure system centered over the middle Mississippi Valley brought unusually cool weather to the central Great Plains and Midwest. Heavy thunderstorms brought more flooding to southern Texas. Thundershowers covered the Northwest, Rockies, Great Basin, the east coast from the mid-Atlantic to Florida.

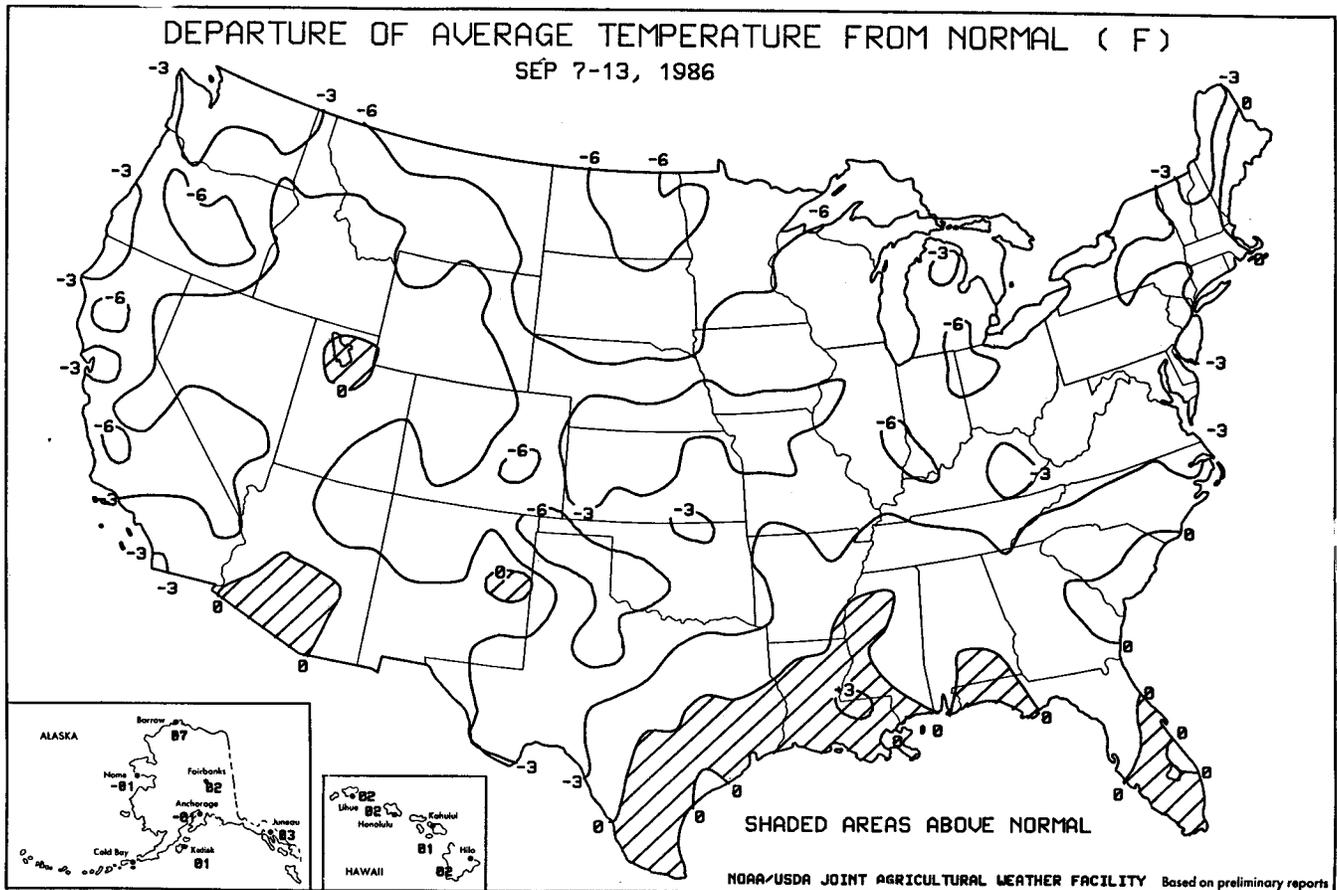
**TUESDAY...**A storm in the Northwest triggered showers and thunderstorms throughout the Great

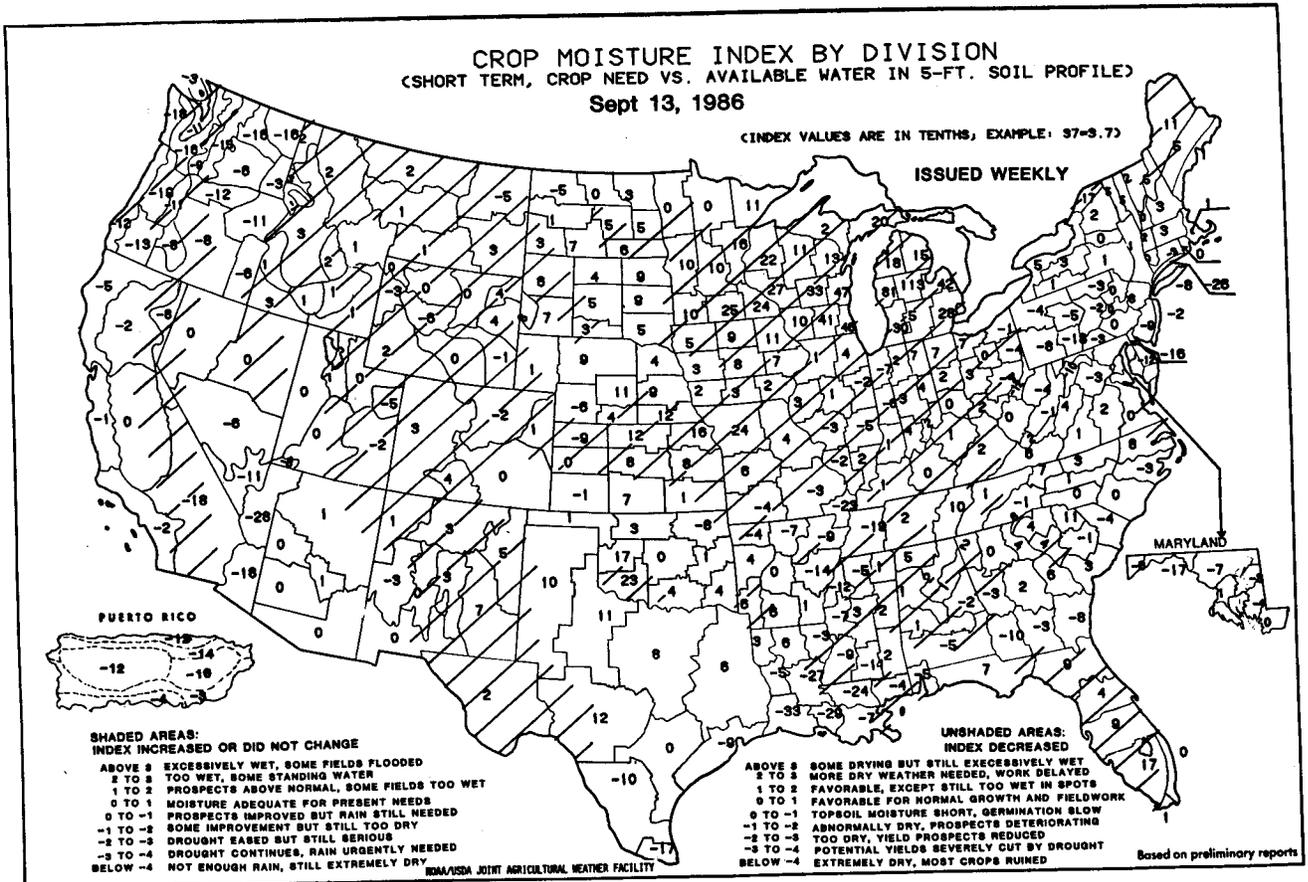
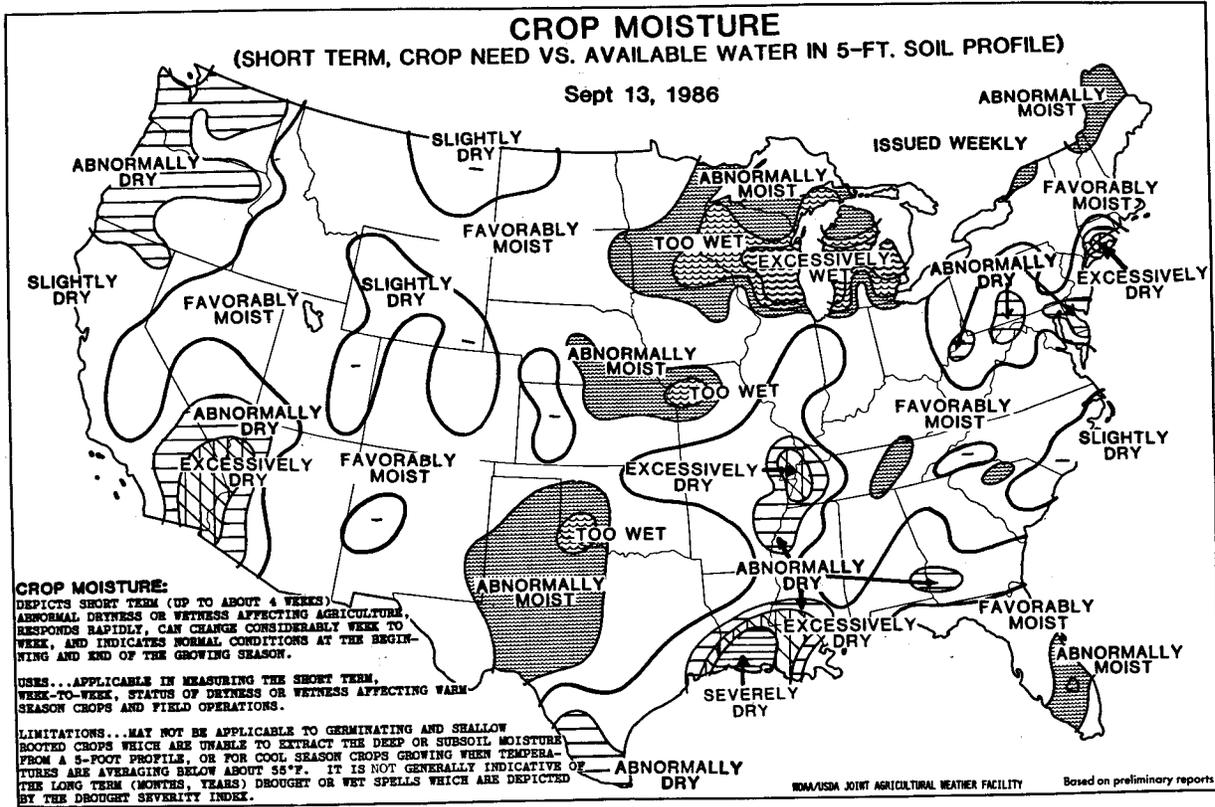
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Point values may differ on these computerized maps from the reported values in the tables.









# National Weather Data for Selected Cities

## Weather Data for the Week Ending September 13, 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 SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE		PRECIPI- TATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	85	63	87	56	72	-2	1.6	.5	1.6	2.3	117	23.9	58	92	48	0	0	1	1
MOBILE	88	70	90	66	79	0	.6	-1.1	.6	2.7	86	40.6	82	97	54	1	0	2	0
MONTGOMERY	88	68	90	63	78	-1	.1	-1.1	.1	1.5	71	32.1	88	99	52	0	0	2	1
AK ANCHORAGE	57	42	60	35	49	-1	1.0	.4	.6	1.1	104	10.4	105	95	60	0	0	3	0
BARROW	45	35	53	32	40	7	.3	.2	.2	.8	323	2.8	82	95	69	0	1	3	0
FAIRBANKS	58	42	63	39	50	2	.2	-1.1	.2	.3	50	6.9	90	93	51	0	0	2	1
JUNEAU	63	42	67	38	53	3	.6	-1.8	.5	.6	25	34.9	110	96	48	0	0	2	1
KODIAK	60	45	65	39	52	1	.7	-1.9	.7	.8	26	48.1	103	90	60	0	0	1	1
NOME	47	40	52	35	44	-1	1.5	.9	.6	4.4	385	12.0	112	91	70	0	0	5	0
AZ PHOENIX	100	78	109	70	89	3	T	T	T	T	0	5.3	110	64	19	7	0	0	0
PRESCOTT	80	52	92	42	66	-1	-1	-1	-1	-1	99	8.9	64	69	25	1	1	0	0
TUCSON	96	70	98	62	83	3	T	T	T	T	0	9.3	116	54	18	7	0	0	0
YUMA	101	77	110	71	89	0	0	0	0	0	0	1.1	65	19	7	0	0	0	0
AR FORT SMITH	86	59	91	53	72	-4	T	T	T	T	0	5.3	110	64	19	7	0	0	0
LITTLE ROCK	85	63	89	54	74	-2	.4	-1.8	.7	49	28.1	99	94	43	1	0	2	1	
CA BAKERSFIELD	88	60	99	56	74	-5	0	0	0	0	0	28.2	86	69	51	0	0	0	0
BUREKA	62	51	66	46	57	-5	0	0	0	0	0	4.3	108	71	24	0	0	0	0
FRESNO	89	59	98	56	74	-1	0	0	0	0	0	27.4	119	92	68	0	0	0	0
LOS ANGELES	73	62	75	61	68	-2	0	0	0	0	0	9.7	137	73	22	3	0	0	0
RED BLUFF	—	—	—	—	—	—	0	0	0	0	0	13.0	149	90	60	0	0	0	0
SACRAMENTO	81	53	90	50	67	-5	0	0	0	0	0	21.9	165	—	—	0	0	0	0
SAN DIEGO	72	64	74	62	68	-3	0	0	0	0	0	16.3	150	85	28	1	0	0	0
SAN FRANCISCO	71	54	83	52	63	-1	0	0	0	0	0	7.7	120	82	60	0	0	0	0
CO DENVER	75	48	85	44	62	-3	.2	-1.1	.1	.3	56	8.8	72	76	29	0	0	2	0
GRAND JUNCTION	78	54	91	43	66	-3	.1	0	.1	.1	39	4.6	82	69	25	1	0	3	0
FUEBLO	77	47	88	40	62	-6	.1	-1.1	.1	.4	82	7.4	83	87	34	0	0	2	0
CT BRIDGEPORT	75	57	82	48	66	-2	0	0	0	0	0	20.7	72	89	50	0	0	0	0
HARTFORD	75	50	83	38	63	-3	0	-1.0	.3	16	30.1	99	90	44	0	0	0	0	
DC WASHINGTON	77	59	87	50	68	-5	.2	-1.6	.2	.6	38	20.3	71	89	46	0	0	1	0
FL APALACHICOLA	88	74	90	72	81	1	2.3	-1.1	1.9	2.6	64	35.9	88	95	65	2	0	4	0
DAYTONA BEACH	87	72	93	70	80	-1	.2	-1.5	.9	1.6	54	34.2	97	100	65	2	0	3	1
JACKSONVILLE	88	70	92	68	79	0	.9	-1.2	.9	1.2	36	34.1	83	98	59	0	0	0	0
KEY WEST	89	78	90	75	84	1	2.4	.8	1.5	3.3	117	24.9	96	87	63	2	0	4	1
MIAMI	91	76	92	72	83	1	.5	-1.4	.5	1.7	49	52.5	127	90	54	7	0	0	0
ORLANDO	90	72	93	70	81	-1	1.4	-1.1	.7	2.1	79	36.5	95	96	53	5	0	5	1
TALLAHASSEE	90	68	92	65	79	0	T	-1.6	T	3.0	98	52.1	104	97	50	4	0	0	0
TAMPA	90	73	93	71	81	-1	.9	-1.7	.4	3.3	107	31.2	84	95	61	4	0	3	0
WEST PALM BEACH	90	74	93	72	82	0	.3	-1.9	.2	2.5	66	42.6	104	92	53	4	0	2	0
GA ATLANTA	83	63	87	58	73	-1	.4	-1.4	.3	2.6	180	25.0	68	100	57	0	0	2	0
AUGUSTA	87	67	89	62	77	-1	T	-1.9	T	.5	32	33.6	99	98	53	0	0	1	0
MACON	85	68	88	63	76	-1	1.2	.4	1.2	5.1	328	25.4	73	99	61	0	0	2	1
SAVANNAH	89	70	91	66	79	1	T	-1.3	T	.3	13	34.2	85	96	53	3	0	1	0
HI HILO	85	71	86	68	78	2	1.4	-1.2	.8	2.0	66	104.6	121	91	65	0	0	5	0
HONOLULU	91	75	94	72	83	2	.2	.1	.2	.2	124	5.5	38	87	51	6	0	2	0
KAHULUI	89	70	91	68	79	0	T	-1.1	T	T	0	10.7	79	87	56	2	0	0	0
LIHUE	86	75	87	71	81	2	.2	-1.3	.2	.6	72	15.2	56	92	64	0	0	1	0
ID BOISE	75	51	93	41	63	-2	.7	.6	.7	.7	308	10.7	134	81	31	1	0	2	1
LEWISTON	72	51	84	44	62	-4	.1	0	.1	.1	35	7.7	87	61	31	0	0	0	0
POCATELLO	73	48	80	42	60	-1	.3	.2	.3	.3	119	9.9	129	82	33	0	0	3	0
IL CHICAGO	75	52	90	42	63	-3	1.7	.8	1.6	1.8	115	20.1	80	86	44	1	0	3	1
MOLINE	75	50	89	38	63	-4	.6	-1.4	.7	.4	43	28.6	100	93	50	0	0	3	0
PEORIA	76	51	87	39	64	-4	.8	-1.1	.8	.9	55	23.4	89	91	43	0	0	1	0
QUINCY	78	53	88	40	66	-3	1.1	.1	1.1	1.2	68	24.0	85	92	44	0	0	2	1
ROCKFORD	73	48	86	37	60	-5	1.0	.1	.5	1.0	60	21.2	77	94	47	0	0	3	1
SPRINGFIELD	78	52	88	39	65	-4	.3	-1.4	.3	.4	30	20.5	80	90	43	0	0	1	0
IN EVANSVILLE	79	52	88	43	66	-6	.5	-1.2	.4	.6	54	26.8	87	95	45	0	0	2	0
FORT WAYNE	74	49	84	39	61	-6	.7	.1	.7	1.3	112	32.6	128	93	49	0	0	2	1
INDIANAPOLIS	76	50	84	38	63	-5	1.2	.5	1.2	1.3	102	30.1	103	95	45	0	0	1	1
IA SOUTH BEND	72	51	86	40	62	-4	.6	-1.2	.6	.6	39	24.8	91	90	46	0	0	2	1
DES MOINES	72	53	84	40	63	-4	1.6	.8	.9	1.9	125	32.2	131	95	56	0	0	4	2
STOUC CITY	71	49	83	38	60	-6	.1	-1.6	0	.3	22	23.6	115	96	53	0	0	4	0
WATERLOO	71	49	79	35	60	-3	1.1	.3	.4	1.8	117	27.8	107	97	57	0	0	4	0
KS CONCORDIA	77	56	89	47	67	-3	.3	-1.5	.2	2.4	170	30.6	140	92	47	0	0	3	0
DODGE CITY	78	55	89	46	67	-4	.1	-1.4	.1	.5	56	17.0	99	87	43	0	0	0	0
GOODLAND	78	51	87	44	65	-2	.4	.1	.3	.6	87	12.5	92	90	35	0	0	4	0
TOPEKA	78	53	85	41	66	-5	1.9	1.1	1.5	1.9	122	27.7	108	96	49	0	0	3	1
WICHITA	78	59	85	50	68	-4	.4	-1.4	.4	.6	39	22.6	104	91	48	0	0	2	0
KY BOWLING GREEN	79	56	85	47	68	-5	2.3	1.5	2.3	2.6	183	21.7	60	96	47	0	0	1	1
LEXINGTON	77	55	83	47	66	-4	1.2	.4	1.2	1.8	118	21.7	63	94	49	0	0	2	1
LOUISVILLE	78	57	85	47	67	-4	.6	-1.2	.6	1.4	94	25.8	80	93	45	0	0	2	1
LA ALEXANDRIA	90	71	93	67	81	2	.8	.3	.8	1.5	139	27.8	70	83	48	4	0	1	1
BATON ROUGE	91	72	93	68	82	2	T	-1.1	T	T	0	35.4	85	93	48	6	0	0	0
LAKE CHARLES	91	73	93	69	82	3	.1	-1.2	0	.2	8	29.5	78	97	55	6	0	3	0
NEW ORLEANS	89	72	93	69	80	1	.5	-1.1	.4	.5	18	31.1	70	96	54	4	0	2	0

Based on 1951-80 normals.

Weather Data for the Week Ending September 13, 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 SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	88	68	91	61	78	-1	.1	-.7	.1	2.4	174	36.6	115	95	49	3	0	2	0
ME CARIBOU	62	45	74	33	53	-2	1.3	-.5	.6	1.4	90	25.2	100	98	65	0	0	2	0
PORTLAND	72	51	81	42	61	-1	.4	-.3	.4	.8	57	29.4	103	93	51	0	0	1	0
MD BALTIMORE	78	55	86	44	66	-5	-.1	-.7	.1	.6	34	20.2	66	90	44	0	0	1	0
SALISBURY	77	56	83	47	67	-4	.3	-.7	.3	1.6	83	21.6	66	96	50	0	0	1	0
MA BOSTON	76	57	81	50	66	-1	-.3	-.1	.1	.5	5	27.7	93	82	42	0	0	0	0
CHATHAM	71	58	76	51	64	1	T	-.9	T	.6	36	33.8	107	84	59	0	0	0	0
MI ALPENA	66	45	72	37	55	-3	2.0	1.3	1.3	2.3	170	21.4	101	97	50	0	0	4	1
DETROIT	73	50	83	39	61	-4	-.9	.4	.9	.9	89	23.7	104	91	48	0	0	2	1
FLINT	70	48	74	37	59	-5	5.8	5.2	3.5	5.8	513	27.5	127	95	52	0	0	3	3
GRAND RAPIDS	70	48	75	38	59	-5	6.5	5.7	3.2	6.5	455	37.5	154	95	55	0	0	2	2
HOUGHTON LAKE	64	49	70	41	57	-5	3.5	2.8	2.5	4.1	321	25.4	126	91	55	0	0	3	3
LANSING	70	47	76	36	59	-5	2.0	1.4	1.3	2.2	188	26.3	122	94	51	0	0	2	0
MARQUETTE	62	40	70	29	51	-6	1.1	.2	.5	1.6	96	23.1	88	97	51	0	0	5	3
MUSKEGON	68	47	73	38	57	-6	8.5	7.8	4.2	8.5	656	25.8	119	95	55	0	0	4	2
SAULT STE. MARIE	60	44	69	35	52	-4	2.0	1.0	1.0	4.7	265	29.2	129	95	62	0	0	4	2
MI ALEXANDRIA	63	46	69	39	54	-6	-.2	-.4	.1	.5	42	28.3	145	94	54	0	1	2	0
DULUTH	60	39	69	30	50	-6	1.6	-.8	.9	3.2	207	30.2	132	95	58	0	0	4	1
INT'L FALLS	63	40	66	31	51	-6	T	-.7	T	1.2	86	14.8	80	95	43	0	2	2	1
MINNEAPOLIS	63	47	68	41	55	-5	1.5	-.8	.9	2.3	187	29.3	139	98	61	0	0	2	1
ROCHESTER	65	46	74	37	56	-7	3.2	2.5	3.0	3.7	251	28.4	127	97	64	0	0	3	1
MS GREENWOOD	89	66	92	60	78	0	.4	-.4	.4	1.8	130	21.9	57	94	45	4	0	2	0
JACKSON	89	67	93	60	78	0	1.7	-.8	1.4	2.3	144	30.4	79	95	44	3	0	2	1
MERIDIAN	88	65	91	59	76	-1	-.4	-.5	.3	2.1	138	29.7	75	93	52	0	0	1	0
MO CAPE GIRARDEAU	81	56	87	49	69	-1	-.2	-.7	.2	.2	10	30.3	93	93	52	0	0	3	0
COLUMBIA	79	54	91	43	67	-4	1.3	-.5	1.2	1.6	107	23.2	87	91	43	0	0	2	1
KANSAS CITY	78	56	87	43	67	-3	2.5	1.5	2.3	2.6	146	25.9	97	94	47	0	0	2	1
SAINT LOUIS	79	56	91	42	68	-3	1.3	-.7	1.2	1.4	118	20.3	80	86	42	0	0	2	1
SPRINGFIELD	77	55	89	46	66	-5	1.8	-.8	1.5	1.8	103	22.2	78	94	49	0	0	3	1
MT BILLINGS	67	46	77	41	56	-5	-.1	-.2	.1	.2	33	11.6	101	70	32	0	0	3	0
GLASGOW	60	44	71	36	52	-5	.5	-.3	.2	.8	173	8.8	89	89	48	0	0	0	0
GREAT FALLS	62	44	71	38	53	-6	-.5	-.2	.2	.7	133	10.9	88	85	46	0	0	3	0
HAVRE	58	43	68	37	51	-8	-.5	-.9	.7	.9	198	11.4	124	82	54	0	0	4	1
HELENA	63	44	72	36	53	-4	1.3	-.7	.5	1.3	330	9.9	108	87	37	0	0	5	0
KALISPELL	60	44	71	34	52	-4	T	1.0	.7	1.7	315	13.6	118	91	52	0	0	1	0
MILES CITY	68	44	77	37	56	-6	T	-.3	T	1.5	294	13.0	113	86	38	0	0	4	0
MISSOULA	65	45	74	34	55	-3	1.1	-.8	1.0	1.4	275	12.4	122	92	43	0	0	1	0
NE GRAND ISLAND	74	51	84	42	63	-4	T	-.6	T	2.2	189	19.6	101	94	49	0	0	0	0
LINCOLN	75	54	87	42	65	-3	T	-.7	T	1.5	104	27.8	126	95	53	0	0	1	0
NORFOLK	71	49	82	39	60	-5	-.1	-.4	.1	.5	54	24.3	122	96	55	0	0	0	0
NORTH PLATTE	74	47	86	44	61	-3	0	-.4	0	.4	56	14.3	86	92	41	0	0	1	0
OMAHA	72	55	85	46	64	-2	-.1	-.8	.1	2.0	123	26.1	108	89	62	0	0	1	1
SCOTT'S BLUFF	73	46	87	42	60	-4	-.7	-.4	.7	.8	176	18.1	148	92	36	0	0	2	0
VALENTINE	70	43	88	33	57	-7	.5	.2	.4	.7	93	15.5	105	86	43	0	0	2	0
NV ELY	74	40	86	30	57	-1	-.1	-.1	.1	.1	23	5.7	85	63	18	5	0	0	0
LAS VEGAS	93	69	104	61	81	-1	0	-.1	0	0	0	8.4	162	63	15	1	0	0	0
RENO	79	46	90	37	62	-1	.1	-.1	.1	.1	86	3.9	71	63	15	1	2	2	0
WINNEMUCCA	79	43	92	29	61	-1	T	-.7	T	.3	24	27.8	113	91	43	0	0	1	0
NH CONCORD	73	47	80	35	60	-3	.2	-.6	.1	.6	44	25.2	84	94	53	0	0	0	0
NJ ATLANTIC CITY	77	54	85	43	66	-3	.1	-.1	.1	.2	39	9.4	159	79	30	0	0	3	0
NM ALBUQUERQUE	79	55	82	45	67	-4	.7	-.1	.4	.7	81	12.6	95	72	33	1	0	0	0
CLOVIS	83	59	90	55	71	0	.4	-.4	.4	3.3	400	15.2	211	83	37	0	0	2	0
ROSWELL	83	61	89	54	72	-2	.1	-.4	0	.4	24	31.1	124	97	51	0	0	1	0
NY ALBANY	74	48	81	39	61	-2	-.2	-.6	.2	.4	24	31.1	121	87	47	0	0	1	0
BINGHAMTON	71	50	80	42	60	-1	T	-.8	T	.9	60	31.4	121	90	53	0	0	4	0
BUFFALO	71	50	79	39	61	-3	.5	-.4	.4	.7	43	25.0	97	78	44	0	0	0	0
NEW YORK	77	61	86	57	69	0	0	-.8	0	1.0	59	25.1	83	78	44	0	0	3	0
ROCHESTER	71	47	81	37	59	-5	-.4	-.3	.1	.5	42	22.6	102	98	54	0	0	0	0
SYRACUSE	73	51	83	45	62	-2	.1	-.7	.1	.3	17	27.2	99	88	50	0	0	2	1
NC ASHEVILLE	76	57	80	50	67	-2	.3	-.7	.2	3.0	160	20.7	58	98	56	0	0	3	0
CHARLOTTE	80	64	86	60	72	-2	.1	-.8	.1	.8	50	16.7	52	94	56	0	0	0	0
GREENSBORO	78	59	85	55	69	-3	T	-.9	T	1.0	63	19.4	62	97	62	0	0	0	0
HATTERAS	81	69	86	67	75	0	.1	-.4	.1	T	0	35.8	93	92	68	0	0	1	0
NEW BERN	82	64	89	61	73	-2	-.1	-.1	.4	.2	6	35.1	88	99	57	0	0	2	0
RALEIGH	79	60	88	56	70	-3	.7	-.1	.1	.2	6	44.2	108	94	55	1	0	1	0
WILMINGTON	86	67	90	64	77	0	.1	-.3	.1	1.4	222	18.8	147	94	56	0	0	3	0
ND BISMARCK	62	45	70	32	53	-6	.5	-.2	.5	2.3	257	20.4	128	96	50	0	0	1	0
FARGO	65	43	72	32	54	-6	.6	-.2	.4	.7	68	12.0	82	88	39	0	0	4	0
GRAND FORKS	66	42	71	31	54	-4	T	-.5	T	.1	6	17.3	153	92	51	0	0	2	0
WILLISTON	61	43	71	33	52	-6	.1	-.3	.1	.6	94	17.3	73	92	44	0	0	3	1
OH AKRON-CANTON	74	49	84	42	61	-5	1.0	-.3	.8	1.0	73	19.5	75	91	46	0	0	1	1
CINCINNATI	75	53	84	47	64	-5	1.7	1.0	1.7	1.8	140	22.4	75	91	46	0	0	2	1
CLEVELAND	74	51	84	44	62	-4	1.1	1.0	1.0	1.3	95	26.9	104	88	44	0	0	0	2
COLUMBUS	75	50	84	42	63	-5	1.2	.5	1.2	2.2	162	23.8	84	94	44	0	0	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending September 13, 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 SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	75	50	83	43	63	-6	1.2	.7	1.2	1.3	112	28.9	110	93	47	0	0	1	1
TOLEDO	73	47	83	37	60	-5	1.8	1.2	1.8	2.1	175	27.7	118	95	50	0	0	1	1
YOUNGSTOWN	73	46	82	37	59	-5	.7	-.1	.6	.7	51	31.6	115	96	47	0	0	3	1
OK OKLAHOMA CITY	81	60	85	52	71	-4	.2	-.6	.2	1.7	123	23.6	100	91	50	0	0	1	0
TULSA	81	61	88	53	71	-5	T	-1.0	T	.2	12	25.2	88	95	51	0	0	1	0
OR ASTORIA	64	46	67	38	55	-4	.1	-.6	.1	.6	6	35.8	90	98	63	0	0	1	1
BURNS	71	41	85	30	56	-5	.1	-.1	.1	.1	21	7.6	158	90	0	0	1	0	
MEDFORD	79	48	90	40	63	-4	0	0	0	0	0	10.2	90	79	23	1	0	0	0
PENDLETON	71	49	79	43	60	-5	.1	0	.1	.1	33	7.6	97	62	28	0	0	1	0
PORTLAND	70	53	77	44	62	-2	-.4	-.4	.4	.4	57	18.6	85	88	44	0	0	2	0
SALEM	70	46	78	37	58	-5	.1	-.3	.1	.1	9	22.6	97	91	43	0	0	1	0
PA ALLENTOWN	75	52	84	42	63	-3	0	-1.0	0	1.4	76	28.9	91	89	46	0	0	0	0
ERIE	72	53	82	46	62	-2	.8	-.1	.4	.9	53	28.1	104	85	51	0	0	4	0
HARRISBURG	76	53	84	43	65	-4	T	-.9	T	1.2	75	30.4	109	92	46	0	0	0	0
PHILADELPHIA	78	58	86	52	68	-2	0	0	0	.4	26	24.1	80	86	47	0	0	0	0
PITTSBURGH	76	50	84	41	63	-3	.1	-.6	.1	.4	30	25.2	92	80	37	0	0	2	0
SCRANTON	72	50	82	42	61	-4	-.2	-.7	.1	.3	22	32.9	132	91	45	0	0	2	0
RI PROVIDENCE	75	54	79	44	64	-1	T	-.8	T	T	3	28.8	93	90	46	0	0	0	0
SC CHARLESTON	87	70	89	68	79	1	T	-1.2	T	2.7	113	34.2	84	98	55	0	0	1	0
COLUMBIA	86	65	90	59	75	-2	T	-1.1	T	.6	27	19.5	51	97	52	1	0	1	0
FLORENCE	85	66	89	61	76	-1	-.2	-.8	.2	.5	25	19.9	58	95	54	0	0	1	0
GREENVILLE	81	63	87	59	72	-2	.1	-.9	.1	2.5	133	23.6	63	97	59	0	0	3	0
SD ABERDEEN	63	46	70	35	55	-7	.3	0	.2	1.3	177	24.3	163	95	55	0	0	4	0
HURON	65	44	72	34	55	-8	.2	-.1	.1	1.3	194	23.7	154	100	61	0	0	3	0
RAPID CITY	65	43	73	34	54	-9	.3	0	.3	2.0	385	17.3	124	96	59	0	0	2	1
STOUX FALLS	66	45	75	37	56	-7	1.8	1.1	1.8	2.1	158	21.2	109	96	59	0	0	2	0
TN CHATTANOOGA	81	61	86	56	71	-3	.8	-.3	.7	4.6	244	22.1	58	98	54	0	0	1	0
KNOXVILLE	81	58	85	54	69	-4	.4	-.3	.4	2.8	216	20.1	58	97	51	0	0	1	0
MEMPHIS	87	63	92	56	75	-1	1.1	-.2	1.1	1.2	70	22.4	58	92	44	3	0	1	0
NASHVILLE	81	60	86	53	71	-4	.3	-.6	.3	1.7	103	18.2	51	91	48	0	0	1	0
TX ABILENE	82	63	89	55	72	-5	.3	-.5	.2	1.2	88	18.6	109	94	57	0	0	3	0
AMARILLO	77	55	86	49	66	-5	T	-.4	T	.4	49	19.8	125	92	47	0	0	0	0
AUSTIN	89	73	93	69	81	0	.5	-.3	.5	3.9	272	18.6	86	96	58	3	0	2	1
BEAUMONT	90	74	93	71	82	2	-.2	-1.4	.1	1.6	57	36.5	99	96	58	5	0	2	1
BROWNSVILLE	92	75	95	73	83	0	-.2	-1.1	.2	1.5	70	12.9	79	96	56	6	0	1	0
CORPUS CHRISTI	90	74	95	72	82	1	-.4	-1.1	.3	1.1	40	18.0	87	97	60	5	0	2	0
DEL RIO	85	71	94	68	78	-4	1.6	1.0	.9	3.7	339	16.9	141	92	56	1	1	4	2
EL PASO	87	62	90	55	75	-1	T	-.3	T	.3	41	8.5	152	80	29	1	0	1	0
FORT WORTH	87	66	90	61	77	-4	0	-.8	0	4.1	307	24.4	113	89	47	1	1	0	0
GALVESTON	86	78	89	74	82	1	-.4	-1.1	.4	1.3	48	17.6	64	86	64	0	0	1	0
HOUSTON	88	73	94	70	81	1	.4	-.8	.2	3.2	149	25.2	81	94	62	2	0	4	0
LUBBOCK	79	58	90	54	69	-4	-.4	-.5	.2	2.9	316	16.6	120	96	55	1	0	0	0
MIDLAND	81	61	89	57	71	-5	T	-.5	T	6.2	700	19.1	189	96	57	0	0	2	0
SAN ANGELO	84	64	89	59	74	-4	-.4	-.7	T	7.5	591	22.8	178	94	57	5	0	2	1
SAN ANTONIO	90	74	96	69	82	1	1.6	-.7	1.4	2.2	135	26.6	130	93	51	5	0	2	0
VICTORIA	88	75	93	73	81	0	1.8	.3	1.4	3.3	121	25.1	98	97	62	4	0	2	1
WACO	90	70	95	64	80	-1	.1	-.6	.1	3.8	291	23.5	107	93	49	4	0	2	0
WICHITA FALLS	84	62	91	55	73	-5	-.4	-.4	.4	5.1	360	24.6	126	93	51	1	1	0	0
UT BLANDING	72	48	83	39	60	-5	-.4	-.2	.3	.6	153	10.2	134	83	44	0	0	3	0
CEDAR CITY	79	50	86	36	64	-1	T	-.2	T	.3	8.0	108	60	20	0	0	0	0	0
SALT LAKE CITY	80	56	90	48	68	-1	.8	.6	.6	.9	237	15.9	143	69	24	2	0	2	1
VT BURLINGTON	70	50	78	45	60	-1	-.9	.1	.5	1.0	65	29.5	123	92	50	0	0	5	1
VA NORFOLK	78	62	88	55	70	-4	-.2	-.9	.2	.3	13	19.8	59	96	56	0	0	1	0
RICHMOND	79	57	86	47	68	-4	-.4	-.5	.4	.5	31	26.4	83	95	49	0	0	1	0
ROANOKE	78	54	81	51	66	-4	T	-.7	T	2.9	206	21.7	76	98	54	0	0	2	0
WA COLVILLE	73	45	79	36	59	-1	.1	-.1	.1	.1	21	14.9	131	70	37	0	0	1	0
QUILLAYUTE	64	46	66	40	55	-3	-.1	-.9	.1	.2	9	65.4	108	97	58	0	0	1	0
SEATTLE-TACOMA	67	51	73	46	59	-2	-.2	-.3	.1	.2	21	20.8	95	85	47	0	0	2	0
SPOKANE	69	46	80	37	58	-3	T	-.1	T	.1	15	10.2	95	72	28	0	0	1	0
YAKIMA	74	45	79	39	59	-3	T	-.1	T	T	0	5.4	106	74	27	0	0	0	0
WV BECKLEY	72	50	80	39	61	-4	.3	-.5	.3	1.6	103	25.9	82	95	55	0	0	3	0
CHARLESTON	77	55	86	43	66	-4	-.8	0	.7	1.6	114	30.8	96	97	51	0	0	2	1
HUNTINGTON	77	55	85	42	66	-4	1.1	.3	.8	1.9	129	25.4	82	95	47	0	0	2	0
PARKERSBURG	75	52	83	42	64	-5	.5	-.2	.3	.6	43	23.7	73	98	46	0	0	2	0
WI GREEN BAY	66	46	70	35	56	-5	3.2	2.5	2.2	3.3	231	23.4	111	93	53	0	0	2	1
LA CROSSE	68	49	73	40	58	-5	2.7	1.8	2.4	3.1	194	22.4	95	96	56	0	0	3	3
MADISON	68	47	75	36	58	-4	2.5	1.7	1.1	2.5	175	23.9	101	96	57	0	0	3	3
MILWAUKEE	69	52	79	44	61	-3	4.0	3.3	1.7	4.0	311	34.4	149	88	54	0	0	3	3
WAUSAU	65	47	69	37	56	-4	2.2	1.2	1.5	2.5	138	19.6	81	93	52	0	0	2	2
WY CASPER	71	43	84	40	57	-5	.5	.3	.4	.7	250	11.1	125	89	33	0	0	3	0
CHEYENNE	68	44	78	39	56	-4	.1	-.2	.1	.6	106	9.9	88	85	35	0	0	1	0
LANDER	71	45	83	41	58	-2	.3	-.1	.2	.4	123	7.9	78	81	30	0	0	2	0
SHERIDAN	69	45	81	40	57	-2	.8	-.5	.6	1.3	277	11.7	102	93	44	0	0	2	1
PR SAN JUAN	89	77	92	75	83	1	T	-1.4	T	.3	12	34.9	101	88	59	2	0	0	0

Based on 1951-80 normals.

## National Agricultural Summary

September 8 to 14, 1986

**HIGHLIGHTS:** Cool temperatures slowed crop development and maturity across most of the eastern half of the Nation. Rain provided moisture for late planted crops but hampered harvest in the central Great Plains, Corn Belt, parts of the Southeast, and Texas. Fieldwork averaged 4 to 6 days in most areas but was limited to 4 days or less in some Corn Belt, central and southern Plains, and southeastern States. Soil moisture was generally adequate but was becoming short across the Delta.

Spring wheat was 82 percent (%) harvested, 7 percentage points above 1985 but 8 points behind the 5-year average. Rain and cool temperatures continued hampering harvest. Winter wheat seeding advanced 12 points from the previous week to 19% completion. This was 4 points ahead of 1985 and 3 points ahead of average. Corn was 7% harvested, compared with 5% last year and average. Fifty-two percent of the acreage was mature, 14 points above normal. Soybeans dropped leaves on 31% of the acreage, exceeding 1985 by 11 points and the average by 9 points. Development slowed in most areas, but moisture is needed in the Delta. Harvest was underway in a few major producing States. Sorghum harvest reached 29% completion, 2 points ahead of normal. Rain slowed harvest in Texas, Oklahoma, and Kansas. Cotton needs warm weather in the Delta and in the Southeast. Harvest was 10% finished, 3 points ahead of normal. Bolls were open on 48% of the acreage compared with 46% normally. Flue-cured tobacco harvest continued lagging behind normal. Peanuts benefited from moisture, but harvest continued falling behind normal in the Southeast. Livestock was mostly good. Pastures were fair to good.

**SMALL GRAINS:** Spring wheat was 82% harvested, compared with 77% last year and 90% normally. Harvest increased 7 points from the previous year but was slowed by wetness and late maturity in most areas. Minnesota's harvest jumped 12 points but still lagged 5 points behind normal. Wetness held harvest at a standstill in Minnesota.

Winter wheat was 19% planted, 4 points ahead of 1985 and 3 points ahead of the average. All major producing States were seeding wheat except Arkansas, California, and North Carolina. Seeding was 41% finished in Colorado and 51% finished in South Dakota. South Dakota's producers seeded nearly a third of their acreage in 1 week. Slightly more than a fourth of Colorado's acreage was seeded. In Nebraska, harvest was 35% complete that equaled the average. Seeding was ahead of normal in virtually all States.

**CORN:** Rain impeded harvest across much of the Corn Belt and parts of the central Plains. Below-normal temperatures slowed development in most areas. Corn was 52% mature and 7% harvested compared with 38% mature and 5% harvested normally. Harvest was underway in 10 of the 7 major producing States and all were ahead of the average. Ninety-one percent of the acreage reached the dent stage, 6 points ahead of the 85% average.

**SOYBEANS:** Soybeans were dropping leaves on 31% of the acreage, surpassing 1985 by 11 points and the average by 9 points. Soybeans dropping leaves increased rapidly more than doubling the previous week. Harvest was underway in Illinois, Indiana, Kansas, Kentucky, Mississippi, and Missouri. Rain provided additional moisture for growth in the

Corn Belt and Southeast, but cool temperatures slowed development in most areas.

**SORGHUM:** Sorghum harvest slowed reaching 29% completion, compared with 25% last year and 27% average. In Texas, harvest at 56% completion was unchanged from the previous week because of heavy rain. No appreciable gains were registered in the central Plains and in the Corn Belt. Sorghum turning color and mature was 14 and 7 points ahead of normal, respectively.

**COTTON:** Cotton was mostly fair to good, except in the Western States where it was mostly good. Cool temperatures provided less than ideal growing conditions in the Delta and in the Southeast. Rain hampered harvest in Texas, Alabama, Georgia, and Oklahoma. Warm weather is badly needed in these areas. In the 14 major producing States harvest was 10% complete, 2 points ahead of last year and 3 points above the average. Harvest was unchanged from the previous week in Texas. Forty-eight percent of the acreage reached the boll opening stage compared with 46% normally.

**OTHER CROPS:** Rice was 55% harvested, 17 points ahead of normal. Harvest neared completion in Louisiana and Texas. Harvest was 44% finished in Arkansas and 68% finished in Mississippi.

Flue-cured tobacco harvest was finished in Florida and was ending in Georgia. North Carolina flue-cured harvest was two-thirds complete, trailing 21 points behind normal. Harvest was 40 points behind normal in Virginia at 38% completion. Burley tobacco harvest was 6 points ahead of normal in Kentucky but lagged 10 points behind normal in Tennessee.

Peanuts continued improving in the Southeast. Rain and cool weather slowed maturity giving peanuts more time to develop. Harvest lagged behind normal in the Southeast but was ahead of normal in Mississippi and Texas.

**FRUIT AND NUTS:** Florida citrus groves were good to excellent with adequate moisture. New crop red grapefruit were harvested in southern Florida. In Arizona, lemons were packed and apple harvest advanced. California's raisin grape harvest was virtually complete. Table and wine grapes were picked. Summer grapefruit volume decreased while desert lemon volume increased. Navel oranges sized well. Midseason almond harvest continued. Early variety walnuts were harvested. Washington's fruit harvest was in full swing consisting mostly of apples, pears, and grapes. Apples, pears, plums, and wine grapes were picked in Oregon.

**VEGETABLES:** Excessive moisture delayed some field activity in southwestern Florida. Fall planting was active. The first fall squash were harvested. Producers were busy planting, cultivating, and thinning in the Rio Grande Valley. Planting continued in the San Antonio-Winter Garden area. Lettuce, cauliflower, and broccoli were planted in western Arizona. Artichoke, snap bean, broccoli, cauliflower, celery, sweet corn, lettuce were harvested in California.

**PASTURES AND LIVESTOCK:** Cool weather slowed growth in the eastern half of the Nation. Condition was fair to good and continued improving in the Southeast.

**CROP PROGRESS**

FOR WEEK ENDING SEPTEMBER 14, 1986

	COTTON % BOLLS OPENING		
	1986	1985	AVG.
ALA	62	74	50
ARIZ	75	85	75
ARK	68	66	59
CALIF	75	75	65
GA	42	56	45
LA	96	87	67
MISS	100	72	73
MO	56	34	62
N MEX	68	50	57
N C	70	87	75
OKLA	25	45	15
S C	67	80	69
TENN	70	70	45
TEX	18	34	29
14 STATES	48	54	46

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

	COTTON % HARVESTED		
	1986	1985	AVG.
ALA	0	2	1
ARIZ	2	NA	NA
ARK	8	6	4
CALIF	0	0	0
GA	2	5	3
LA	19	12	5
MISS	20	4	4
MO	6	0	1
N MEX	0	0	0
N C	0	0	0
OKLA	0	1	0
S C	2	2	0
TENN	1	2	1
TEX	13	14	13
14 STATES	10	NA	NA

EXCL. STATES WITH NA 10 8 7

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

NA - NOT AVAILABLE.

	WINTER WHEAT % PLANTED		
	1986	1985	AVG.
ARK	0	0	0
CALIF	0	0	0
COLO	41	47	44
GA	3	1	1
IDAHO	28	11	16
ILL	1	1	0
IND	5	3	3
KANS	15	10	10
MICH	2	0	1
MO	3	1	1
MONT	15	20	15
NEBR	35	30	35
N MEX	47	NA	NA
N C	0	0	0
OHIO	3	2	0
OKLA	15	10	10
OREG	5	4	7
S DAK	51	37	49
TEX	19	11	12
WASH	39	38	37
20 STATES	19	NA	NA

EXCL. STATES WITH NA 19 15 16

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	SPRING WHEAT % HARVESTED		
	1986	1985	AVG.
IDAHO	88	95	88
MINN	89	80	94
MONT	85	95	95
N DAK	86	81	94
S DAK	100	100	100
5 STATES	89	87	95

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

	RICE % HARVESTED		
	1986	1985	AVG.
ARK	44	27	19
CALIF	0	0	1
LA	93	75	78
MISS	68	31	23
TEX	97	80	96
5 STATES	55	39	38

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

	GRAIN SORGHUM % COLORING		
	1986	1985	AVG.
ARK	95	NA	NA
ILL	85	NA	NA
KANS	80	50	50
LA	100	100	98
MISS	100	NA	NA
MO	87	81	78
NEBR	90	75	70
OKLA	95	95	85
S DAK	79	50	73
TENN	95	95	NA
TEX	82	90	85
11 STATES	86	NA	NA

EXCL. STATES WITH NA 84 72 70

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % MATURE		
	1986	1985	AVG.
ARK	84	NA	NA
ILL	50	NA	NA
KANS	30	10	10
LA	100	96	90
MISS	98	95	NA
MO	52	53	52
NEBR	15	15	9
OKLA	35	30	30
S DAK	22	14	21
TENN	85	70	NA
TEX	65	73	69
11 STATES	48	NA	NA

EXCL. STATES WITH NA 43 38 36

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % HARVESTED		
	1986	1985	AVG.
ARK	76	52	47
ILL	6	0	0
KANS	5	1	4
LA	95	81	77
MISS	71	41	39
MO	18	13	17
NEBR	0	0	0
OKLA	5	10	5
S DAK	0	0	0
TENN	45	25	NA
TEX	56	60	63
11 STATES	30	25	NA

EXCL. STATES WITH NA 29 25 27

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	CORN % DENT		
	1986	1985	AVG.
COLO	67	78	74
GA	100	100	100
ILL	99	94	94
IND	99	97	90
IOWA	96	92	86
KANS	96	90	80
KY	100	100	95
MICH	65	70	75
MINN	82	83	85
MO	100	98	93
NEBR	90	85	80
N C	100	100	100
OHIO	96	93	87
PA	81	66	62
S DAK	71	51	75
TEX	98	99	NA
WIS	73	57	60
17 STATES	91	86	NA
EXCL. STATES WITH NA	91	86	85
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.			
NA - NOT AVAILABLE.			

	CORN % MATURE		
	1986	1985	AVG.
COLO	24	23	21
GA	100	100	100
ILL	85	49	51
IND	75	50	40
IOWA	58	43	38
KANS	70	55	45
KY	82	65	52
MICH	10	20	25
MINN	16	9	18
MO	87	79	58
NEBR	25	15	20
N C	97	95	91
OHIO	40	31	40
PA	24	10	11
S DAK	41	23	39
TEX	85	86	NA
WIS	25	17	29
17 STATES	53	38	NA
EXCL. STATES WITH NA	52	37	38
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.			
NA - NOT AVAILABLE.			

	CORN % HARVESTED		
	1986	1985	AVG.
COLO	0	0	0
GA	83	76	71
ILL	8	2	2
IND	3	0	0
IOWA	3	2	2
KANS	15	10	10
KY	19	12	8
MICH	0	0	0
MINN	0	0	0
MO	20	10	12
NEBR	0	0	0
N C	34	36	36
OHIO	3	1	2
PA	0	0	0
S DAK	0	0	0
TEX	68	59	57
WIS	0	0	0
17 STATES	7	5	5
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.			

	SOYBEANS % DROPPING LEAVES		
	1986	1985	AVG.
ALA	14	10	11
ARK	12	5	6
GA	11	15	11
ILL	60	34	34
IND	45	25	30
IOWA	28	30	28
KANS	40	25	25
KY	25	18	18
LA	14	13	13
MICH	20	30	30
MINN	20	14	25
MISS	36	10	15
MO	28	10	17
NEBR	15	8	15
N C	3	2	0
OHIO	40	26	28
S C	3	1	0
S DAK	44	29	49
TENN	20	12	10
19 STATES	31	20	22
THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.			

	SOYBEANS % HARVESTED		
	1986	1985	AVG.
ALA	0	0	0
ARK	0	0	0
GA	0	NA	NA
ILL	9	1	2
IND	3	0	0
IOWA	0	0	0
KANS	3	1	1
KY	2	0	1
LA	0	0	0
MICH	0	0	0
MINN	0	0	0
MISS	1	NA	NA
MO	2	0	1
NEBR	0	0	0
N C	0	0	0
OHIO	0	0	0
S C	0	0	0
S DAK	0	0	0
TENN	0	0	0
19 STATES	2	NA	NA
EXCL. STATES WITH NA	2	0	0
THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.			
NA - NOT AVAILABLE.			

	SOYBEANS % HARVESTED		
	1986	1985	AVG.
ALA	0	0	0
ARK	0	0	0
GA	0	NA	NA
ILL	9	1	2
IND	3	0	0
IOWA	0	0	0
KANS	3	1	1
KY	2	0	1
LA	0	0	0
MICH	0	0	0
MINN	0	0	0
MISS	1	NA	NA
MO	2	0	1
NEBR	0	0	0
N C	0	0	0
OHIO	0	0	0
S C	0	0	0
S DAK	0	0	0
TENN	0	0	0
19 STATES	2	NA	NA
EXCL. STATES WITH NA	2	0	0
THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.			
NA - NOT AVAILABLE.			

For Information Call: (202) 447-7310

WEEKLY CROP WEATHER CONDITION

SOYBEANS						CORN						GRAIN SORGHUM					
STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX
ALA	5	20	63	12	0	COLO	2	9	18	56	15	ARK	0	5	79	16	0
ARK	7	36	46	11	0	GA	11	46	36	7	0	ILL	0	0	8	74	18
GA	6	23	56	15	0	IND	0	0	27	60	13	KANS	0	4	9	27	60
IND	0	3	40	53	4	IOWA	0	0	2	57	41	MISS	3	13	64	20	0
IOWA	0	0	7	71	22	KANS	0	0	1	20	79	MO	0	8	29	57	6
KANS	0	1	0	26	73	KY	3	11	50	33	3	NEBR	0	5	2	61	32
KY	1	6	46	43	4	MICH	2	8	20	50	20	OKLA	0	0	67	30	3
LA	0	12	63	25	0	MINN	1	1	16	63	19	S DAK	0	0	27	61	12
MICH	2	8	20	55	15	MO	0	3	14	60	23	TEX	0	0	28	60	12
MINN	0	3	26	68	3	NEBR	0	1	4	49	46						
MISS	20	50	23	7	0	N C	24	32	22	19	3						
MO	0	7	33	54	6	OHIO	0	0	14	69	17						
NEBR	0	0	3	64	33	PA	1	3	11	52	33						
N C	0	15	45	40	0	S DAK	0	3	13	63	21						
OHIO	0	0	19	76	5	TEX	0	2	7	66	25						
S C	5	5	65	25	0	WISC	1	1	6	49	43						
S DAK	0	1	21	67	11												
TENN	6	21	65	7	1												

RICE					
STATE	VP	P	F	G	EX
ARK	0	0	30	70	0
CALIF	0	0	10	80	10
MISS	3	8	31	58	0
TEX	0	0	23	62	15

COTTON

STATE	VP	P	F	G	EX
ALA	0	34	60	6	0
ARIZ	0	0	0	85	15
ARK	4	4	47	45	0
CALIF	0	0	5	90	5
GA	7	28	58	7	0
LA	0	15	42	43	0
MISS	12	22	53	13	0
MO	0	11	67	22	0
N MEX	0	0	17	83	0
N C	5	5	59	27	4
OKLA	0	0	40	60	0
S C	41	41	18	0	0
TENN	7	11	25	57	0
TEX	0	3	59	36	2

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

State Summaries of Weather and Agriculture

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

**ALABAMA:** Temperatures averaged 1 to 3° below normal. Rainfall totals mostly 1.00 to 2.00 in. over north; scattered, light rainfall over central, south.

Days suitable for fieldwork 5.4. Soil moisture 30% short, 68% adequate, 2% surplus. Cooler temperatures slowed crop development; rain increased insect infestation on some row crops. Peanuts dug 10%, 35% 1985, 22% avg.; combined 4%, 26% 1985, 13% avg.; 7% poor, 64% fair, 29% good. Primary activities: Harvesting corn, sorghum, hay; preparing land, sowing winter grazing crops; applying fungicides to peanuts; controlling insects on crops; spraying pecans; repairing harvest equipment; routine care of livestock, poultry.

**ALASKA:** Nearly ideal weather for harvest. Temperature lows, highs normal to generally warmer than normal. Seasonal precipitation ranged from just below normal in few areas to above normal.

Days suitable for fieldwork 6.0. Soil moisture adequate. Barley for grain harvest 80% complete. Hay harvest nearing 70% complete. Commercial potato harvest 60%, much ahead of year ago. Cabbage, carrot harvests continued, excellent quality available.

**ARIZONA:** Showers, thunderstorms eastern two-thirds 8th, 9th. Rain from traces to 0.50 in., except 1.50 in. Prescott. By 10th, mostly sunny skies, cooler, very dry air covered State. Averages from 3° below normal to 3° above.

Cotton defoliation moderate west, light elsewhere. Harvest underway west. Most short staple acreage stopped setting fruit. Extra-long staple crop still setting fruit. Irrigation termination common. Weed, insect problems mostly light to moderate. Alfalfa hay harvested. Crop good, stand renovation began west. Weeds, insects moderate. Corn, sorghum good. Silage corn cut. Corn tasseling west. Sorghum turning color, maturing rapidly. Sesame, peanuts harvested west. Lettuce, cauliflower, broccoli planted west. Western melons good. Potatoes, squash, chili, green onions packed. Cantaloups, honeydews shipped. Lemons packed. Apple harvest advanced.

**ARKANSAS:** Cool weather carried over from previous week, by weeks end temperatures returned to near normal. Widely scattered showers with a cold front brought generally light amounts. Temperature extremes 44°; 93° Rainfall none to 1.66 in.

Days suitable for fieldwork 6.0. Soil moisture 59% short, 39% adequate, 2% surplus. Crop growth moderate. Major activities: Cool season grass establishment; baling hay; draining rice; defoliating cotton; harvesting rice, cotton, sorghum, corn; irrigating, spraying soybeans for worms; preparing land for winter wheat planting; marketing cattle. Cotton continued to cut out, leaves turning brown. Soybean fields have heavy worm infestation. Rice backing up at driers slowing harvest.

**CALIFORNIA:** Week began with weak low pressure trough over northern State, though little weather associated with it. High pressure built midweek, replaced by another low pressure trough. These two troughs combined to make temperatures near to little below normal.

Cooler than normal temperatures slowed crop maturation. Spraying defoliation cotton fields started. Many fields receiving last irrigation. Rice harvest started. Most fields being drained. Safflower, sunflower, corn, dry beans being harvested. Alfalfa hay continued to be harvested. Apple harvest continued, San Joaquin. Picking underway Riverside; light yields expected. Soft date harvested, Coachella. Raisin grape harvest virtually complete; most dried for packaging. Table grape varieties picked: Thompson, Red, Ruby, Ribiers. Wine grape varieties picked: Grenache, Barbera, Muscat, Zinfandel; sugar levels high, good quality. Pomegranates harvested. Summer grapefruit volume decreasing, desert lemon increasing. Navel oranges sizing well, smooth texture, small Navels; crop ahead of normal. Almond harvest continued; mid-season varieties. Pistachios harvested. Walnuts harvested, mostly early varieties. Artichoke very light, variable quality central coast. Snap bean harvest continued Riverside County, Coachella Valley, Merced County. Broccoli moderate good quality; Salinas, Santa Maria. Few fields ready for harvest, Huron District. Strawberry fields Lassen County being fumigated. Carrot moderate, good quality; Salinas. Winter planting desert on schedule. Cauliflower, celery; Salinas, Santa Maria; moderate good quality. Sweet corn harvest active; Riverside County, Huron District. Harvest begin soon, Firebaugh District. Cucumber packing continued, Fresno County. Lettuce moderate, variable quality, Salinas. Fall fields Westside continued well, ready for harvest October 10. Honeydew melon harvest going strong, Sacramento Valley. Harvest watermelons, mixed melons, most areas winding down; watermelon harvest complete Tulare County. Dry onion digging active Perris-Hemet, dehydrator onion harvest Westside. Summer potato harvest continued Riverside County. Harvest, Norgold Russet, Modoc County 50% done. Some early varieties dug, Siskiyou County. Sweetpotato harvest active, San Joaquin Valley. Pepper moderate Salinas; light Santa Maria good quality. Pumpkin plantings good growth, Riverside County. Processing, fresh market tomato harvest final stage, statewide. Green-pack tomatoes, treated insects Fresno. Movement livestock summer pastures continued prematurely heavy, feed short supply. Supplemental feeding increasing. Stockwater supplies critically short many areas. Fall calving increasing some areas.

**COLORADO:** Temperatures averaged from 1 to 8° below normal. Precipitation totals averaged 0.04 to 0.72 in.

Days suitable for fieldwork 5.0. Soil moisture 7% very short, 30% short, 46% adequate, 17% surplus. Barley harvested 92%, 91% 1985, 90% avg. Dry beans cut 55%, 65% 1985, 65% avg. Sorghum turning color 58%, 59% 1985, 65% avg. Livestock, range, pasture good.

**FLORIDA:** Several weak cool fronts north dissipated over central Peninsula. Drier air Panhandle spread

across entire north by 13th. Rainfall averaged less than 0.25 in. Panhandle but 1.00 to 2.00 in. northeast; 2.00 in. or more Peninsula except less than 1.00 in. southeast coast. Fronts little effect on temperatures; normal summertime warmth statewide.

Soil moisture generally adequate; surplus some coastal areas. Light corn harvest continued. Peanut harvest increased. Cotton good, open bolls abundant. Soybeans mostly good. Haymaking active; armyworms damaging some hayfields. Sugarcane growing rapidly, seed harvest increasing. Most pastures good to excellent; recent heavy rains flooded some low lying coastal fields. Cattle mostly good to excellent. Citrus groves very good to excellent. Moisture adequate; few rains this week. Much new growth on young trees. New crop red grapefruit harvest, south; began shipments at weekend. Weather conditions mostly favorable over vegetable producing areas. Excessive moisture delaying some field activities southwest area. Planting fall crops active. All crops generally good condition. Limited supplies summer vegetables available north, west. First squash being harvested.

**GEORGIA:** Rain totals 1.00 in. or less. Heaviest 2.10 in. Bainbridge. Central, south State less than 0.25 in. Temperatures 1 to 3° below normal north to near normal south. Lowest temperatures 40s higher mountain areas of northeast to mid 60s extreme south. Highest temperatures 80° mountains to low 90s extreme south.

Days suitable for fieldwork 4.6. Soil moisture 1% very short, 17% short, 77% adequate, 5% surplus. Peanuts 2% very poor, 9% poor, 61% fair, 28% good; 6% dug, 57% 1985, 23% avg.; 2% threshed, 36% 1985, 11% avg. Soybeans 100% blooming, 100% 1985, 98% avg.; 92% setting pods, 97% 1985, 94% avg.; 11% dropping leaves, 15% 1985, 11% avg. Tobacco 15% poor, 55% fair, 30% good; 96% harvested, 98% 1985, 98% avg. Wheat 3% planted, 1% 1985, 1% avg. Rye 3% planted, 2% 1985, 2% avg. Other small grains 1% planted, 2% avg. Apples 3% very poor, 26% poor, 48% fair, 23% good; 63% harvested, 56% 1985, 69% avg. Pecans 5% very poor, 16% poor, 63% fair, 16% good. Pasture 2% very poor, 11% poor, 59% fair, 25% good, 3% excellent. Hay 2% very poor, 21% poor, 51% fair, 24% good, 2% excellent. Cattle 5% poor, 53% fair, 41% good, 1% excellent. Hogs 4% poor, 32% fair, 62% good, 2% excellent. Main activities: Spraying crops for insects and especially armyworms, harvesting crops, preparing fields for small grain seeding.

**HAWAII:** Condition variable. Rainfall heavy at times some locations. Temperature ranged upper 60s to lower 90s. Rainfall ranged none to 2.20 in.

Days suitable for fieldwork 7.0. Weather mostly fair for crop development. Soil moisture adequate most areas. Bananas good; output gradual rise. Papaya production continued light. Vegetables light to moderate.

**IDAHO:** Rainfall above normal southeast, southwest. Temperatures below normal.

Days suitable for fieldwork 5.0. Harvest small grains winding down. Preparation for fall planting active. Winter wheat seeding ahead of schedule. Potatoes good. Harvest underway, slowed by wet ground, hollow heart problems present. Pastures improved, movement off summer pastures. Third cutting alfalfa hay active. Sugarbeets good; harvest beginning.

**ILLINOIS:** Temperatures averaged normal to 6° below normal. Precipitation 0.22 to 2.27 in., heaviest central.

Days suitable for fieldwork 6.2. Soil moisture 54% short, 46% adequate. Soybeans turning yellow 85%, 66% 1985, 64% avg. Pasture 19% poor, 39% fair, 39% good, 3% excellent. Major farm activities: Harvesting of corn for seed, grain; soybeans.

**INDIANA:** Temperature minimums upper 30s north, lower 40s south. Maximums 80s throughout State. Rain totals between 0.50 to 3.00 in. throughout State.

Fieldwork averaged 5.5 days. Topsoil moisture 43% short, 53% adequate, 4% surplus. Subsoil moisture 55% short, 44% adequate, 1% surplus. Corn mostly good, soybeans mostly good. Soybeans 85% turning yellow, 60% 1985, 65% avg. Soybeans 20% mature, 7% 1985, 8% avg. Tobacco 75% harvested, 60% 1985, 40% avg. Winter wheat cropland 37% plowed, 26% 1985, 36% avg. Rye 10% seeded, 4% 1985, 5% avg. Silos 65% filled, 60% 1985, 40% avg. Rainfall slowed harvest throughout State. Pastures poor to mostly fair.

**IOWA:** Frequent rains; cooler than normal north, warmer than average south. Temperature extremes 33°; 89°. Precipitation none to 5.44 in.

Days suitable for fieldwork 4.4. Topsoil moisture 92% adequate, 8% surplus; subsoil moisture 1% short, 94% adequate, 5% surplus. Hay 1% poor, 10% fair, 68% good, 21% excellent. Third crop alfalfa harvested 88%, 89% 1985, 86% avg. Winter wheat seeded 5%, 9% 1985, 7% avg. Seed corn harvest continued. Soybeans mostly good; leaves turning 65%, 74% 1985, 65% avg.; mature 10%, 17% 1985, 11% avg. Livestock mostly good; some bloody scours in pigs. Pastures mostly good.

**KANSAS:** Precipitation 1.00 to 3.00 in. four northeast districts, local amounts to 5.00 in. Remaining district averages 0.10 to 0.82 in. Temperatures within 2° normal all districts except northwest 4° above normal, averaged 69 to 72°.

Days suitable for fieldwork 5.0. Topsoil moisture 19% short, 69% adequate, 12% surplus. Sorghum rapid maturity, harvest underway south, east; progress good. Corn maturing ahead schedule. Harvest silage, high moisture grain underway most areas, progress good. Soybeans continued ahead schedule; need warm, dry weather. Wheat seeding underway, some stands emerged, moisture generally adequate. Range, pasture good to excellent central and east, fair to poor west. Hay operations little progress.

**KENTUCKY:** Temperatures averaged 1 to 4° below normal. Lows 40s, highs 80s. Coolest early week, warmest midweek. Most rain on 11th, 12th. Amounts quite variable, averaged about 0.25 in. above normal. Amounts ranged 0.50 to over 2.00 in. Heaviest over west half.

Days suitable fieldwork 5.2. Soil moisture 22% very short, 52% short, 26% adequate. Rain helped late tobacco, soybeans. Burley 72% cut, 80% 1985, 66% avg. Dark tobacco 65% cut, 76% 1985, 65% avg. Corn harvest active, good weather. Soybean harvest just starting. Much acreage still entirely green. Pastures fair to poor. Grain sorghum harvest 10% complete.

**LOUISIANA:** Temperature 1 to 3° above normal. Temperature extremes 58°; 99°. Rainfall averaged 0.10 to 0.60 in.

Days suitable for fieldwork 5.9. Soil moisture 44% short, 56% adequate. Cotton 19% harvested, 12% 1985, 5% avg. Corn 98% harvested, 94% 1985, 88% avg. Rice 99% ripe, 91% 1985, 89% avg. Soybeans 46% leaves turning color, 35% 1985, 35% avg. Sugarcane good; 73% planted, 13% 1985, 34% avg. Sweetpotatoes fair to good; 60% harvested, 53% 1985, 50% avg. Few early wheat fields planted. Hay final cutting 80% complete, 68% 1985, 59% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay; harvesting corn, rice, sorghum, sweetpotatoes, cotton; planting sugarcane; fall ground preparation.

**MARYLAND & DELAWARE:** Maryland: Temperatures averaged 2° below normal over State; lowest

temperature 31° Oakland; highest temperature 91° Cumberland. Precipitation averaged 0.32 in., ranging from none Smithsburg, Frederick to 2.17 in. Salisbury.

Days suitable for fieldwork 6.6. Topsoil moisture mostly short. Subsoil moisture mostly short. Pasture fair. Alfalfa 4th cutting 48% harvested, 50% 1985, 47% avg. Wheat 4% planted. Barley 5% planted, 16% 1985, 14% avg. Rye 8% planted, 19% 1985, 10% avg. Field corn mostly fair. Corn for grain 9% harvested, 27% 1985, 14% avg. Corn for silage 58% harvested, 76% 1985, 69% avg. Soybeans fair to good. Soybeans 20% turned, 26% 1985, 31% avg.; 5% shedding leaves, 11% 1985. Tobacco mostly good. Tobacco 56% harvested, 76% 1985, 76% avg.

**Delaware:** Temperatures averaged 2° below normal over State; lowest temperature 43° Georgetown, Milford; highest temperature 88° Dover. Precipitation averaged 0.33 in., ranging from none Wilmington to 1.15 in. Georgetown.

Days suitable for fieldwork 7.0. Topsoil moisture mostly short. Subsoil moisture mostly short. Pasture poor to fair. Alfalfa 4th cutting 95% harvested, 90% 1985, 52% avg. Field corn fair. Corn for grain 21% harvested, 22% 1985, 13% avg. Corn for silage 85% harvested, 59% 1985, 63% avg. Soybeans mostly fair. Soybeans 40% turning, 24% 1985, 27% avg.; 3% shedding leaves.

**MICHIGAN:** Temperatures ranged 4 to 8° below normal. Temperature extremes 30°; 83°. Precipitation ranged from 0.70 to 13.00 in. across State.

Days suitable for fieldwork 3.5. Soil moisture 35% adequate, 65% surplus. Corn 65% dent, 70% 1985, 75% avg.; mature 10%, 20% 1985, 25% avg.; 2% very poor, 8% poor, 20% fair, 50% good, 20% excellent. Soybeans 20% shedding, 30% 1985, 30% avg.; none harvested, none 1985, none avg.; 2% very poor, 8% poor, 20% fair, 55% good, 15% excellent. Dry beans 65% shedding, 75% 1985, 80% avg.; 10% very poor, 15% poor, 30% fair, 35% good, 10% excellent. Winter wheat planted 2%, none 1985, 1% avg. Extremely heavy rain 10 to 12 across central Lower Peninsula. Potential damage dry beans, sugarbeets, potatoes. Most corn, soybeans south of heavy rains. Dry bean harvest, winter wheat planting slowed. Major activities: Haying, silage harvest, apple picking, potato digging.

**MINNESOTA:** Temperatures averaged 3 to 6° below normal. Temperature extremes 29°; 75°. Precipitation averaged 0.11 to 2.05 in. above normal. Greatest weekly total 4.69 in.

Days suitable for fieldwork 2.9. Topsoil moisture 45% adequate, 55% surplus. Cold, wet week across State. Seventh consecutive week of below normal temperatures. Some progress made in completing small grain harvest. Most of State remained too wet for silo filling to begin. Area of top soil moisture surplus continued to grow. Two to 3 weeks of hot dry weather needed to bring row crops to maturity. Field corn 98% dough, 98% 1985, 98% avg.; 7% cut for silage, 4% 1985, 12% avg. Soybeans 76% turning yellow, 68% 1985, 79% avg.; 3% mature, 2% 1985, 4% avg. Dry edible beans 22% harvested, 16% 1985, 22% avg. Potatoes 18% harvested, 19% 1985, 23% avg. Sweet corn 78% harvested for processing, 77% 1985, 81% avg. Flax 34% harvested, 27% 1985, 51% avg. Winter wheat 50% seeded for 1987 crop, 32% 1985, 57% avg. Rye 48% seeded for 1987 harvest, 35% 1985, 55% avg. Small grain, hay stubble plowed 36% 1985, 54% avg.

**MISSISSIPPI:** Temperatures 2° below to 2° above normal extremes 47°; 94°. Cold front moved in late week produced widespread thunder shower activity, rest of week dry. Greatest 24-hour 3.83 in.

Days suitable for fieldwork 5.7, 5.0 1985, 5.1 avg. Soil moisture 11% very short, 49% short, 40% adequate. Corn 3% poor, 27% fair, 52% good, 18% excellent; 79% harvested, 43% 1985, 43% avg. Hay 88% harvested, 83% 1985, 87% avg. Sorghum silage 95% harvested, 85% 1985, 76% avg. Corn silage 100% harvested, 90% 1985, 89% avg. Sweetpotatoes 51% harvested, 36% 1985, 26% avg. Peanuts 61% harvested, 50% 1985, 39% avg. Wheat 3% planted.

**MISSOURI:** Temperatures near normal throughout State. Rainfall averaged up to 2.00 in. over area mostly limited to northern half of State.

Days suitable for fieldwork 5.1. Soil moisture 43% short, 54% adequate, 3% surplus. Pasture 10% very poor, 26% poor, 36% fair, 26% good, 2% excellent.

**MONTANA:** Some moisture all areas, 0.10 to 0.66 in., except small central area. Substantial rain, 0.25 to 2.00 in. west, north central, central. Temperatures 7 to 10° below normal north central, northeast; 3 to 6° below normal remainder.

Days suitable for fieldwork 3.3. Topsoil moisture 13% short, 76% adequate, 11% surplus. Subsoil moisture 26% short, 73% adequate, 1% surplus. Barley harvested 80%, 90% 1985, 90% avg. Corn silage harvest 30%, 25% 1985, 30% avg. Hay harvest standstill. Winter wheat planting on schedule, 15% complete. Hay, forage supplies mostly adequate or surplus.

**NEBRASKA:** Amounts averaged up to 1.00 in. Temperatures 1 to 7° below normal. Temperature extremes 39°; 88°.

Days suitable for fieldwork 4.0. Topsoil moisture 13% short, 64% adequate, 23% surplus. Subsoil moisture 13% short, 79% adequate, 8% surplus. Seed corn harvest full swing, some high moisture corn for grain harvested. Soybeans, sorghum good to excellent. Soybeans turning color 65%, 40% 1985, 45% avg. Winter wheat emergence 15%, 5% 1985, 4% avg. Alfalfa mostly good. Third cutting 90%, 90% 1985, 85% avg. Pasture, range feed supplies mostly adequate. Producers selling yearlings, cull cows.

**NEVADA:** Temperatures near or slightly below normal all areas. Precipitation moderate northeast, light northwest, dry southern areas. First fall storm of year moved in early period bringing much cooler temperatures, strong winds, rain to northern, some central localities. Light snow dusted northern Sierras, below freezing minimums recorded midweek. Moderate strong winds, considerable cloudiness occurred end of period. Temperature extremes 28°; 111°.

Potato digging operations full swing main producing areas. Alfalfa seed crop nearing completion some areas. More cattle coming off high elevation ranges. Little movement cattle to local auctions to-date.

**NEW ENGLAND:** Average temperatures 1 to 4° below normal most of region. Widespread frost across northern Maine, light scattered frost elsewhere low lying areas. Precipitation below normal; 0.50 to 1.50 in. northern States, 0.05 to 0.25 in. Massachusetts, Rhode Island; none Connecticut.

Days suitable for fieldwork 5.6. Soil moisture 6% short, 75% adequate, 19% surplus. Grazing availability 100% adequate. Fieldwork progress 3 days behind north, on schedule south. Maine potatoes good; 5% harvested, 9% 1985, 11% avg. Oats 50% harvested, 49% 1985, 72% avg.; good, some lodging. Sweet corn good; 87% harvested, 85% 1985, 85% avg. Second crop hay good; 85% cut, 100% 1985, 92% avg. Third crop hay good; 45% cut, 65% 1985, 59% avg. Apples 13% harvested, 15% 1985, 16% avg.; medium to large size, good color. Major farm activities: Harvesting crops, fall seeding, preparing machinery for late harvests.

**NEW JERSEY:** Temperatures averaged below normal. Extremes 35°; 89°. Rainfall averaged none north, central, 0.04 in. south. Heaviest 24-hour total 0.11 in. on 8th, 9th. Estimated soil moisture percent field capacity averaged 77% north, 62% central, 54% south. Four inch soil temperatures averaged 61° north, 64° central, 65° south.

Days suitable for fieldwork 6.5. Growth of fall crops continued good under favorable conditions; harvest increased. Late summer crop harvest continued decline. Irish, sweetpotato digging active. Peach harvest in clean up stage. Fall apple harvest increased. Red Delicious picking general. Corn silage making active. Preparation, planting of fall sown grains, cover crops progressed well.

**NEW MEXICO:** Weekly temperatures northwest, north central mountains 2 to 7° below normal, few degrees below normal elsewhere. Rain over most of State. Precipitation none southern border to 3.00 in. northern mountains.

Days suitable for fieldwork 6.9. Soil moisture 25% short, 50% adequate, 25% surplus. Hail damage 60% none, 20% light, 20% moderate. Alfalfa 50% fair, 50% good. Corn 33% fair, 50% good, 17% excellent. Barley 100% good. Irrigated grain sorghum 75% good, 25% excellent. Dryland grain sorghum 100% good. Pecans 100% good. Chile 75% good, 25% excellent. Lettuce 67% good, 33% excellent. Cattle 13% fair, 74% good, 13% excellent. Sheep 14% fair, 72% good, 14% excellent. Range 25% fair, 75% good.

**NEW YORK:** Temperatures averaged near normal. Lows 30s to 40s, highs 80s, 7th to 10th cool. Warming 11th to 13th. Central, southeastern State dry, 0.10 in. rain or less received. Western sections near normal with 0.50 in. Northern State rainfall heavy with over 1.50 in. St. Lawrence Valley.

Days suitable for fieldwork 6.0. Corn remained good to excellent. Oat harvest complete. Third cutting alfalfa 37%, 39% 1985, 50% avg. Dry bean harvest underway. Pastures fair to good. Soil moisture mostly adequate. McIntosh, Cortland harvests underway. Bartlett pear harvest virtually complete above average yields. Concord grape harvest well underway. Orange County onion harvest underway, crop quality excellent.

**NORTH CAROLINA:** Temperatures averaged near normal Coastal Plain Region, 3 to 4° below normal Piedmont, Mountain Regions. Temperature extremes 43°; 90°. Precipitation ranged from none to 1.08 in.

Days suitable for fieldwork 5.4. Soil moisture 1% very short, 25% short, 73% adequate, 1% surplus. Corn very poor to fair, mature. Grain harvest slightly behind average. Corn for silage harvested 76%, 77% 1985, 75% avg. Cotton mostly fair to good; bolls opening. Soybeans fair to good. Sorghum 10% very poor, 27% poor, 44% fair, 17% good, 2% excellent; harvested 22%, 22% 1985, 17% avg. Tobacco 3% poor, 59% fair, 38% good. Flue-cured tobacco harvested 67%, 80% 1985, 88% avg. Burley tobacco harvested 50%, 72% 1985, 52% avg. Peanuts 5% poor, 28% fair, 67% good. Sweetpotatoes 5% poor, 45% fair, 45% good, 5% excellent; harvested 10%, 18% 1985, 14% avg. Apples 23% poor, 53% fair, 18% good, 6% excellent; harvested 32%, 42% 1985, 40% avg. Hay 1% very poor, 21% poor, 46% fair, 31% good, 1% excellent. Pasture 1% very poor, 10% poor, 55% fair, 33% good, 1% excellent. Major farm activities: Harvesting tobacco, corn, vegetables, sweetpotatoes, apples, hay; cutting corn silage; spraying soybeans, peanuts, cotton; marketing tobacco; tending livestock; mowing; preparing land for small grains; general farm maintenance.

**NORTH DAKOTA:** Frost over much of State. Temperatures averaged 40° below normal northeast to 60° below normal west central, southwest. Low 24° northeast 13th, high 79° northeast 7th. Precipitation light but weather damp. Small amounts northeast, north central, highest 0.55 in. central.

Days suitable for fieldwork 4.1. Topsoil moisture levels increased, but slightly below last year; specifically, 19% short, 76% adequate, 5% surplus. Spring wheat harvest ahead of last year but lags average considerably. Intermittent rain, damp weather slowed maturing of most crops, hindered harvest. Warm, sunny weather needed to complete small grain harvest and advance flax, dry bean harvest. Sunflower maturity ahead of last year but near average; potato digging ahead of last year, average. Corn maturity ahead of last year but behind average. Hard frost occurred over northern two-thirds of State on 12th, 13th. Condition of all late season crops, except potatoes, declined. Combining progress: Hard red spring wheat 86%, 81% 1985, 94% avg.; durum wheat 80%, 63% 1985, 89% avg.; barley 95%, 95% 1985, 98% avg.; flax 15%, 24% 1985, 51% avg.; dry beans 18%, 5% 1985, 31% avg. Sunflower bracts brown and beyond 24%, 8% 1985, 26% avg.; potatoes dug 37%, 10% 1985, 21% avg. Fall tillage, seeding and fertilizer application underway. Pasture conditions decreased slightly.

**OHIO:** Average high temperatures 1 to 3° subnormal. Average low temperatures near normal. Lows, low to mid 50s. Highs mid to upper 70s. Precipitation over 1.00 in. 11th, 12th.

Days suitable for fieldwork 5.9. Soil moisture 43% short, 50% adequate, 7% surplus. Activities: Harvesting row crops, vegetables, hay, fruit, planting winter wheat. Corn, soybeans, sugarbeets, potatoes good; hay, tobacco fair to good; pasture poor to fair.

**OKLAHOMA:** Temperatures averaged 30° below normal eastern third to 60° below normal north central, southwest. Precipitation averaged 0.03 in. east central to 0.56 in. southwest.

Days suitable for fieldwork 4.8. Topsoil moisture 7% short, 85% adequate, 8% surplus. Subsoil moisture 13% short, 87% adequate. Wheat 15% planted, 10% 1985, 10% avg.; 5% emerged, 1% 1985, 2% avg. Rains slowed fieldwork. Sorghum 67% fair, 30% good, 3% excellent; 95% coloring, 95% 1985, 85% avg.; 35% mature, 30% 1985, 30% avg.; 5% harvested, 10% 1985, 5% avg. Cotton 40% fair, 60% good; 25% open bolls, 45% 1985, 15% avg.; none harvested, 1% 1985, none avg. Rain, cool temperatures hindered boll maturation. Warm open weather needed. Pastures mostly good, forage adequate. Cattle marketing up southeast, prices stable.

**OREGON:** Temperatures ranged from 3 to 60° below normal, except coastline, northern Willamette Valley where fog, low clouds during night, morning held temperatures near normal. Precipitation from shower activity coastline, north Willamette Valley. Some scattered thunderstorm activity central basin, northeast.

Soil moisture 97% short, 3% adequate. Much field preparation for fall grain seeding, most growers awaiting rains. Spring grain harvest continued Klamath Basin. Red clover seeding nearly completed, Crimson clover seeding underway Willamette Valley. Mint, carrot seed harvest underway Hermiston area. Mint, grass seed irrigation central areas. Third or fourth hay cutting most areas. Winter pear harvest essentially completed Medford. Winter pear harvest underway lower Hood River Valley. Apple harvest underway Willamette Valley, Milton-Freewater region. Plum picking Milton-Freewater. Some wine grapes picked Hermiston region. Training, pruning caneberrries Willamette Valley. Filbert orchards prepared for nut fall. Norgold potato harvest

winding down, Russet Burbanks harvested for processing Hermiston-Boardman. Potatoes ready for frost or vine sprays central area. Sweet corn, storage onion, cauliflower harvest continued western areas. Seeding Walla Walla sweet onions Milton-Freewater. Lily bulb harvest, planting in full swing southern coast. Livestock fair to good. Range, pasture mostly fair. Cool temperatures, light rain cut fire danger. Pasture planting awaits more moisture. Turnips for pasture growing well Hermiston. Some cattle coming off range east, 4 to 6 weeks early. Many cattlemen hoping for extension of forest permits past October 1.

**PENNSYLVANIA:** Cool, dry week across State, scattered frost common across central, western mountains. Midweek return to summer-like temperatures. Average temperature 61°, 40° below normal. Temperature extremes 32°; 89°. Average precipitation 0.12 in., 0.73 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 55% short, 45% adequate. Corn 100% dough, 81% dented, 24% mature; 1985 95% dough, 66% dented, 10% mature; avg. 97% dough, 62% dented, 11% mature. Corn 1% very poor, 3% poor, 11% fair, 52% good, 33% excellent. Ensilage corn harvested 36%; 17% 1985, 24% avg. Soybeans 1% very poor, 3% poor, 16% fair, 51% good, 29% excellent. Potato harvest 74% complete; 70% 1985. Tobacco harvest 84% complete; 84% 1985. Apple harvest 49% complete; 48% 1985. Peach harvest 96% complete; 100% 1985. Fall plowing 60% complete; 50% 1985. Fall barley planting 24% complete; 20% 1985. Fall wheat planting 30% complete; 16% 1985. Third cutting alfalfa 88% complete; 78% 1985. Fourth cutting alfalfa 29% complete; 30% 1985. Second cutting clover-timothy 96% complete; 94% 1985. Quality of hay made fair to good. Amount of feed being obtained from pastures average to below average. Activities: Making hay and haylage; harvesting peaches, apples, other fruit, potatoes and other vegetables, tobacco, corn silage; fall plowing; fall planting wheat, barley, alfalfa.

**PUERTO RICO:** Island average rainfall 0.28 in. or 1.56 in. below normal. Highest weekly total 1.58 in. Highest 24-hour total 1.22 in. Temperature averaged about 81 to 82° on coasts and 76 to 77° interior divisions. Mean station temperature ranged from 68 to 84°. Extremes 55°; 94°. San Juan mean temperature 83° plus 1.10 in. Total rainfall 0.27 in., minus 1.13 in.

**SOUTH CAROLINA:** Seasonal temperatures, scattered showers, precipitation light.

Days available for fieldwork 5.1. Soil moisture 8% very short, 39% short, 50% adequate, 3% surplus. Cotton open bolls 67%, 80% 1985, 69% avg.; 2% harvested, 2% 1985, 41% very poor, 41% poor, 18% fair. Soybeans blooming 95%, 100% 1985, 100% avg.; 78% setting pods, 89% 1985, 91% avg.; 9% leaves turning, 5% 1985, 10% avg.; 3% shedding leaves, 1% 1985; 5% very poor, 5% poor, 65% fair, 25% good. Tobacco fair; 93% harvested, 98% 1985, 98% avg.; 32% stalks destroyed, 29% 1985, 39% avg. Peanuts fair; 1% harvested, 9% 1985, 8% avg. Apples fair to good; 27% harvested, 55% 1985, 56% avg. Grapes fair; 31% harvested, 73% 1985, 70% avg. Pastures fair to good. Hay fair.

**SOUTH DAKOTA:** Average temperatures ranged 3 to 100° below normal. Extremes 27°; 89°. Black Hills low 25°. Rainfall widespread; largest amounts west, southeast.

Days suitable for fieldwork 4.1. Topsoil moisture mostly adequate; areas of short, surplus; 1% critically short, 18% short, 61% adequate, 20% surplus. Crops mostly good. Winter grain seeding progressing. Need hot, dry weather to help row crop maturity. Silage cutting beginning. Grain harvest nearing. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate.

**TENNESSEE:** Temperatures slightly subnormal. Rainfall statewide. Range 0.25 to 1.00 in.

Days suitable for fieldwork 5.1. Soil moisture 12% very short, 38% short, 49% adequate, 1% surplus. Corn 85% mature, 80% 1985, 75% avg.; 25% harvested, 17% 1985, 12% avg. Burley tobacco 65% harvested, 80% 1985, 75% avg.; dark fired 65% harvested, 75% 1985, 70% avg.; dark air-cured 60% harvested, 75% 1985, 75% avg.; 1% very poor, 24% poor, 60% fair, 15% good. Wheat 5% seeded, 3% 1985, 4% avg. Cattle fair. Pastures mostly fair. Corn, milo harvest full swing. Tobacco harvest behind schedule.

**TEXAS:** Early week, cold front triggered showers, thunderstorms, central, southeastern areas, lower Rio Grande Valley. Warmer, drier weather ruled midweek. Another front brought thunderstorms south central, eastern areas late week. Moist, unstable air thunderstorms west, southeast weekend. Rainfall below normal, except south central counties. Temperatures below normal High, Low Plains, close to normal elsewhere.

**Crops:** Corn harvest underway High Plains late last week, drying conditions beginning. Some additional lodging scattered fields because windy, wet conditions. Outlook basically good. Most harvesting completed other areas. Grain sorghum fields showing good development Plains with recent moisture. Some fields started showing signs midge, headworm problems. Minor sprouting problems because recent moisture. Drier weather needed Hill Country to finish harvest. Headed 99%, 99% 1985, 100% avg. Cotton slow growth, development Plains because cooler temperatures. Some producers treating for bollworm problems. Additional drier, warmer weather needed to hold current yield prospects. Harvest Blacklands slowed by persistent showers. Yields turning out lower than expected. Some 2nd picking Upper Coast. Harvest east. Setting bolls 99%, 100% 1985, 100% avg. Small grain planting good progress Plains. Early stands good. Growth increasing many areas from rainfall. Showers slow planting Blacklands, central. Grazing prospects good most areas. Wheat emerged 3%, none 1985, none avg. Final stages rice harvest continued Upper Coast. Some 2nd crop started heading. Peanuts continued good prospects most northern, north central areas. Recent wet weather promoted some additional disease outbreak. Harvest slowed by rain Cross-Timbers. Harvesting south. Harvested 10%, 7% 1985, 6% avg. Soybeans maturing, showing good conditions Plains. Rains delaying early bean harvest Upper Coast; rains should improve later bean quality. Harvested 13%, 8% 1985, 3% avg. Other crops harvested: Sunflowers 6%, 19% 1985, 11% avg. Other crops planted: Oats 6%, 10% 1985, 6% avg.

**Commercial Vegetables:** Rio Grande Valley, producers busy planting, cultivating, thinning. Peppers, tomatoes showing good progress. Cucumber harvest nearing. San Antonio-Winter Garden, planting continued. Stands look good. Diseases under control. East sweetpotato harvest, other vegetable planting slowed by wet conditions. High Plains, watermelon, carrot harvest resumed. Cool, wet weather increased disease problems. Trans-Pecos, 2nd crop cantaloups being harvested, tomatoes. Pecan harvest begin 2 to 3 weeks southern portions State. Other areas nearing shuck split stage. Quality good, quantity down.

**Range and Livestock:** Range, pasture conditions continued improve Statewide good moisture supplies. Growth increasing, grazing prospects good for fall. Additional hay cutting possible east. Livestock very good, weight gains improve. Cattle currently good.

**UTAH:** Precipitation light to moderate, none extreme southwest. Temperatures 4° above to 3° below normal.

Days suitable fieldwork 5.3. Soil moisture 18% short, 76% adequate, 6% surplus. Winter wheat 62% seeded, 42% 1985, 46% avg.; oats 83% harvested, 80% 1985, 90% avg.; corn 76% dented, 50% 1985, 46% avg.; corn silage 6% harvested, none 1985, none avg.; alfalfa 3rd cutting 56% complete, 55% 1985, 53% avg.; peach 83% harvested, 81% 1985, 78% avg.; apples 9% harvested, 9% 1985, 11% avg.; onions 19% harvested, 20% 1985, 22% avg. Range fair to good. Livestock good to excellent. Little movement from summer range.

**VIRGINIA:** Seasonal to cool. Average temperature 2° below normal. Average rainfall 0.30 in.

Days suitable for fieldwork 4.1. Soil moisture 18% short, 73% adequate, 9% surplus. Corn 88% in or beyond dent stage, 90% 1985, 93% avg. Corn 67% mature, 73% 1985, 81% avg. Corn silage harvest 42% complete, 52% 1985, 64% avg. Grain corn harvest 18% complete, 34% 1985, 28% avg. Aflatoxin levels high in corn. Soybeans poor, some fair. Increased moisture causing corn earworm problem. Soybean harvest not yet started. Peanuts good to excellent. Spraying to control leafspot. Flue-cured tobacco harvest 38% complete, 66% 1985, 78% avg. Burley tobacco harvest 22% complete, 76% 1985, 70% avg. Fire-cured tobacco harvest 58% complete, 85% 1985, 86% avg. Tobacco harvest delayed by precipitation. Pasture, hayland fair, some good. Some hay being harvested. Alfalfa hay, pasture being seeded. Sweetpotato harvest 36% complete. Livestock good to excellent, some marketing. Land preparation for small grain.

**WASHINGTON:** Cool temperatures prevailed statewide, average 2 to 6° below normal. Continued dry; east, central. Precipitation west, 0.01 to 1.03 in.

Days suitable for fieldwork 7.0. Soil moisture 55% short, 45% adequate. Winter wheat 39% planted, 38% 1985, 37% avg. Potato, dry bean harvests continued. Fruit harvests full swing; apples, pears, grapes. Hay supplies adequate to surplus. Range, pasture 35% short, 65% adequate. Moving cattle fall pastures. Sheep breeding started.

**WEST VIRGINIA:** Temperatures averaged 2 to 4° below normal. Temperature extremes 30° Greenbank; 90° Creston. Average temperature 63°. Precipitation near normal except southwest above, eastern below. Average precipitation 0.29 in.

Days suitable for fieldwork 5.1. Soil moisture 24% very short, 33% short, 43% adequate.

**WISCONSIN:** Temperatures cool, averaged 57°, 50° below normal, low 32°, high 80°. Heavy rain 2.00 to 5.50 in. Flooding southeast, east central.

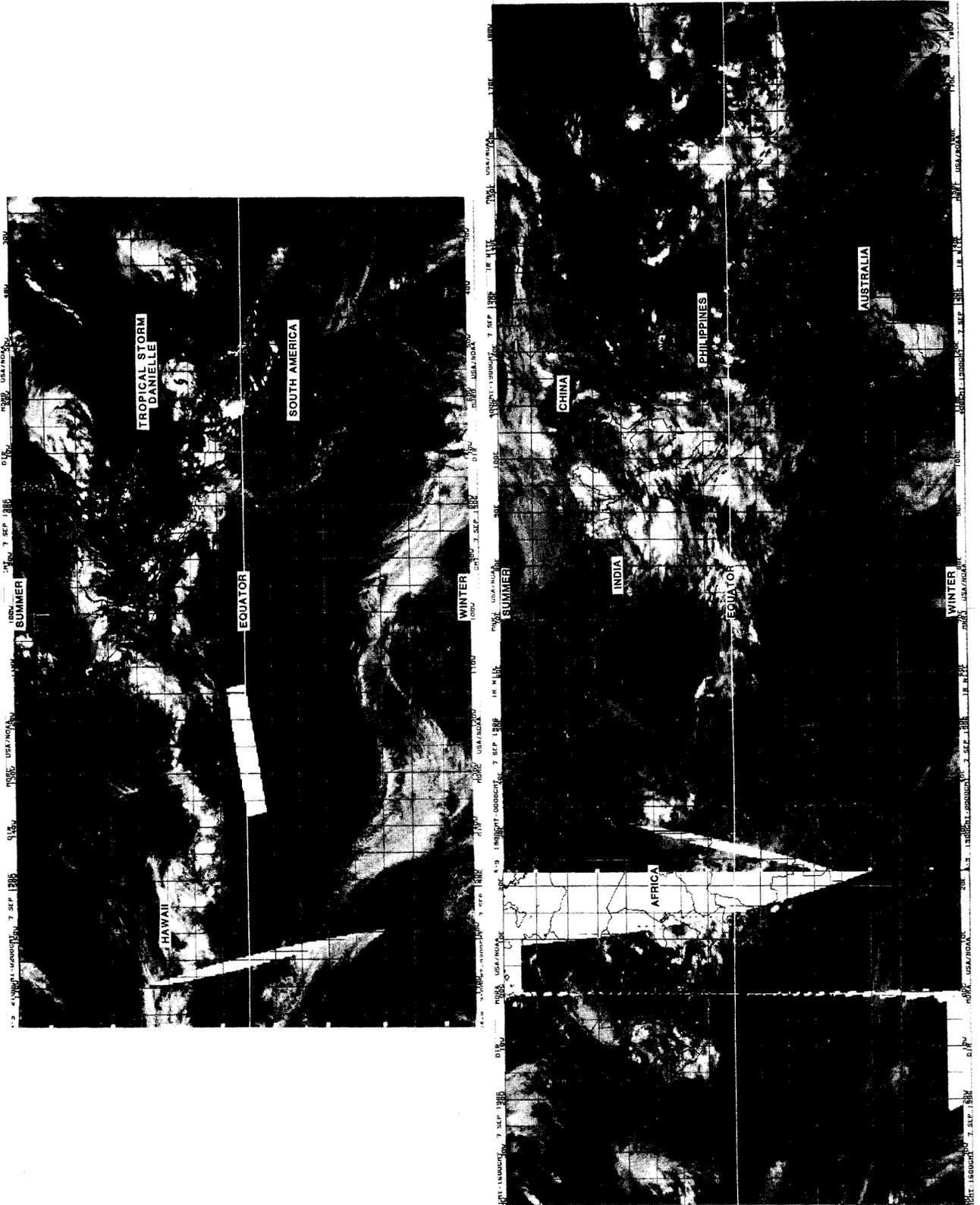
Days suitable for fieldwork 1.9. Rain halted fieldwork. Soil moisture 34% adequate, 66% surplus. Crops 1% very poor, 1% poor, 6% fair, 73% good, 19% excellent. Corn 1% very poor, 1% poor, 6% fair, 49% good, 43% excellent; in dent 73%, 57% 1985, 60% avg.; mature 25%, 17% 1985, 29% avg. Corn silo filling 8%, 5% 1985, 7% avg. Need 1 to 2 weeks warm weather for most corn, soybeans to mature. Soybean leaves turning 39%, 49% 1985, 49% avg.; dropping leaves 10%, 9% 1985, 25% avg. Third cutting hay 52% complete, 48% 1985, 43% avg. Apple picking progressing.

**WYOMING:** Cool week with temperatures 3 to 8° below normal. Rainfall well above normal northeast and central, near normal southern border and northwest.

Days suitable for fieldwork 4.0. Topsoil moisture 34% short, 63% adequate, 3% surplus. Barley mature 10%, 10% 1985; harvested 90%, 90% 1985, 85% avg. Spring wheat 10% mature, 5% 1985; harvested 90%, 95% 1985, 90% avg. Oats mature 15%, 15% 1985; harvested 85%, 80% 1985, 80% avg. Corn dough stage 35%, 45% 1985, 35% avg.; dented 50%, 45% 1985, 50% avg.; mature 15%, 5% 1985, 5% avg. Corn silage harvested 30%, 20% 1985, 25% avg.

(Continued to back cover)

# Global Weather Satellite Image September 7, 1986



# International Weather and Crop Summary

September 7-13, 1986

**HIGHLIGHTS:**

**UNITED STATES** ... Cool temperatures slow crop development and maturity across most of the eastern half of the Nation. Rain provides moisture for late planted crops but hampers harvest in the central Great Plains, Corn Belt, parts of the Southeast, and Texas.

**U.S.S.R.** ... In Western U.S.S.R., prolonged dryness in the south and east helps summer crop harvesting but reduces soil moisture to unfavorable low levels for winter grain planting. In the New Lands, unseasonable warm, dry weather helps spring grain harvesting.

**EUROPE** ... Showers in central France increase soil moisture for winter grain planting. Showers in central Czechoslovakia and Poland delay harvesting.

**SOUTH ASIA** ... Moderate to heavy monsoon showers cover central and eastern India, but unfavorable dry weather persists in cotton and groundnut areas of the south and northwest.

**EASTERN ASIA** ... Moderate to heavy rain in central China increases soil moisture for winter grain planting but is unfavorable for maturing cotton.

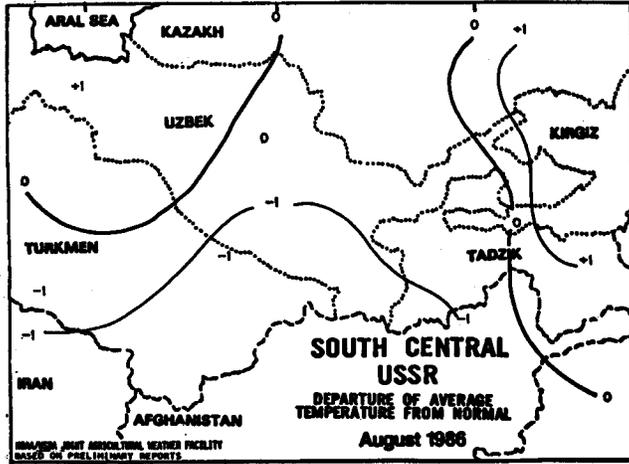
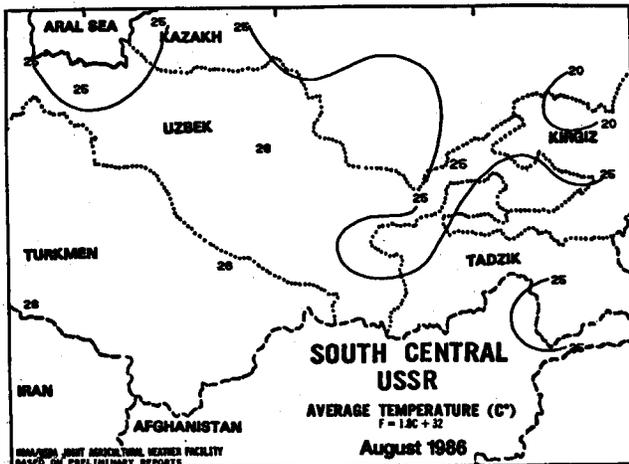
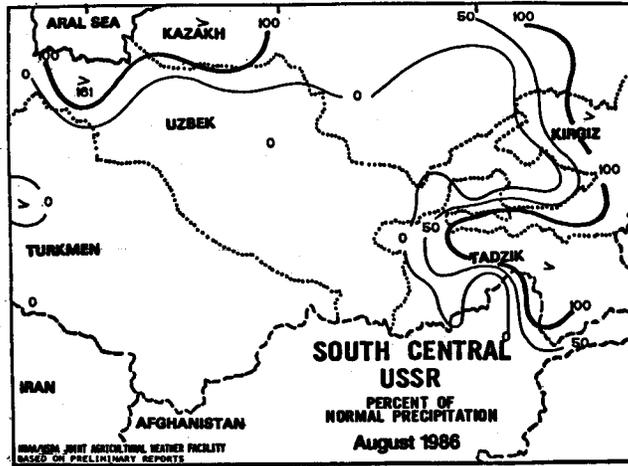
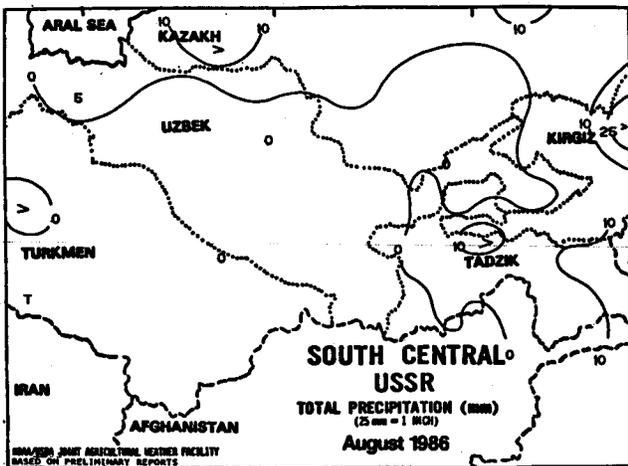
**MEXICO** ... Showers benefit corn in central and southern areas.

**CANADA** ... Cool, showery weather slows crop harvesting that remains ahead of last year's pace.

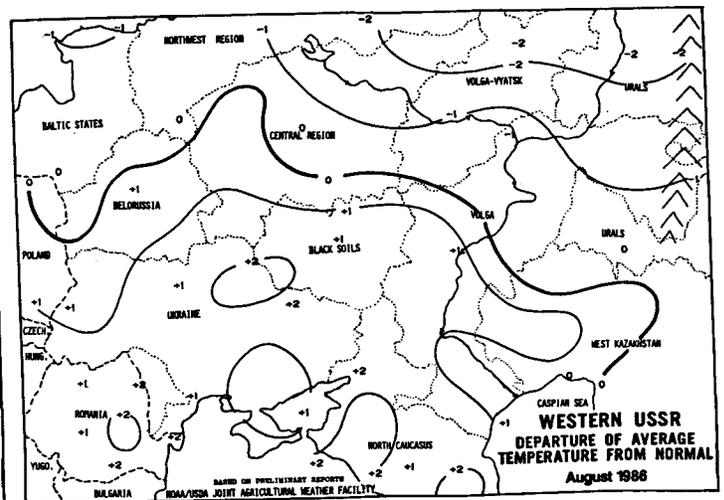
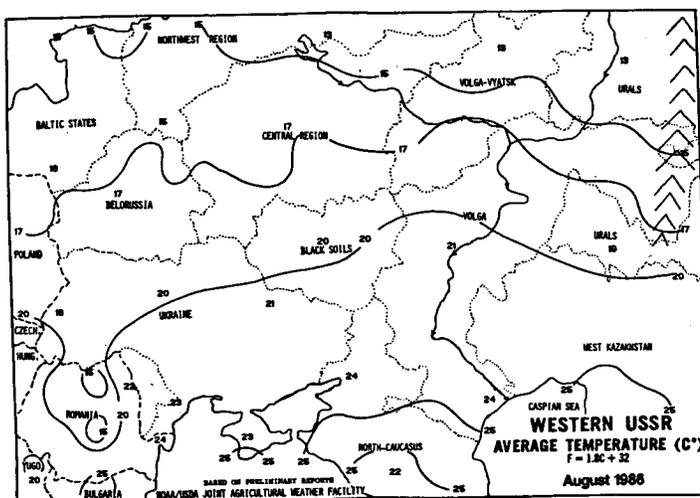
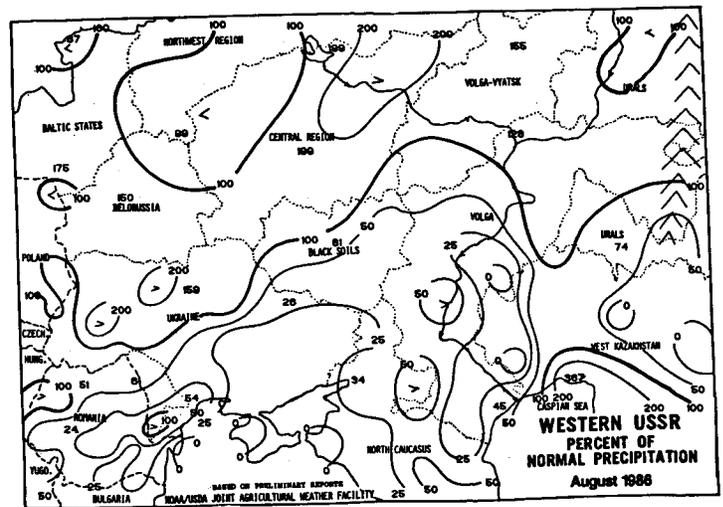
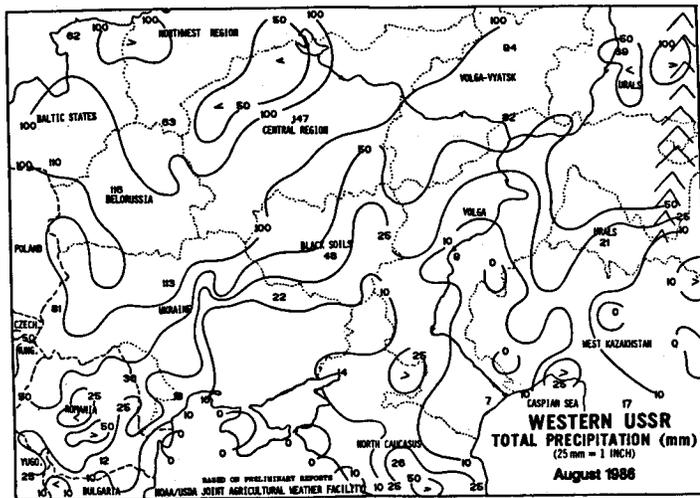
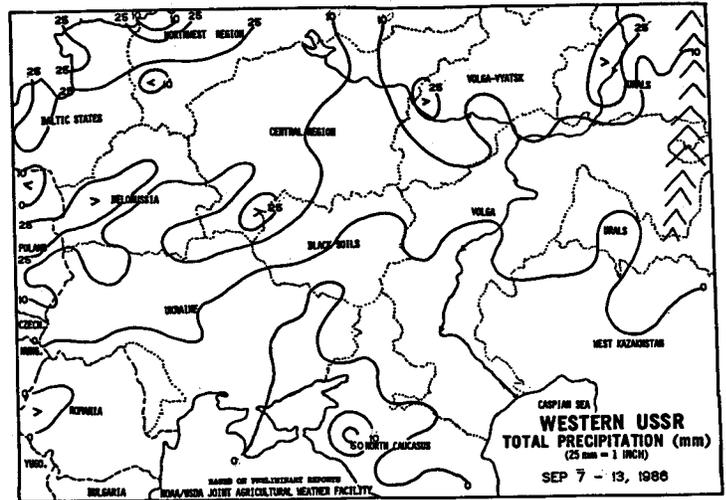
**SOUTHEAST ASIA** ... Scattered, moderate to heavy showers fall in upland rice regions of Thailand.

**SOUTH AMERICA** ... Drier weather returns to Argentina's wheat areas following late-August's extremely beneficial rain. In Brazil, dry weather returns to most crop areas.

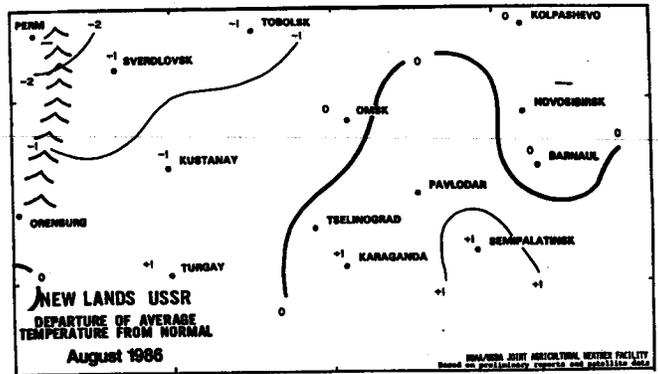
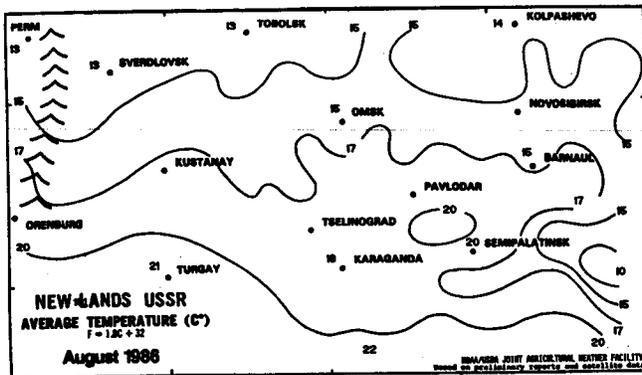
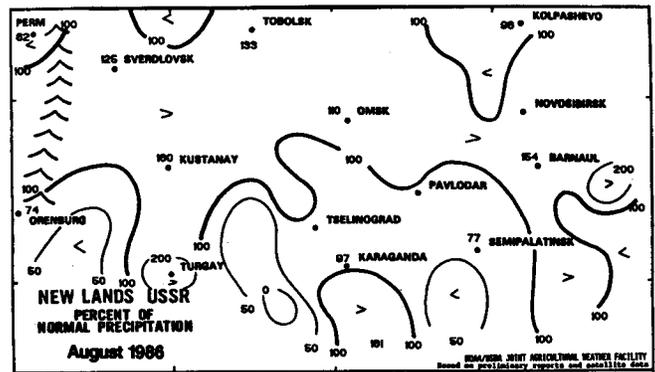
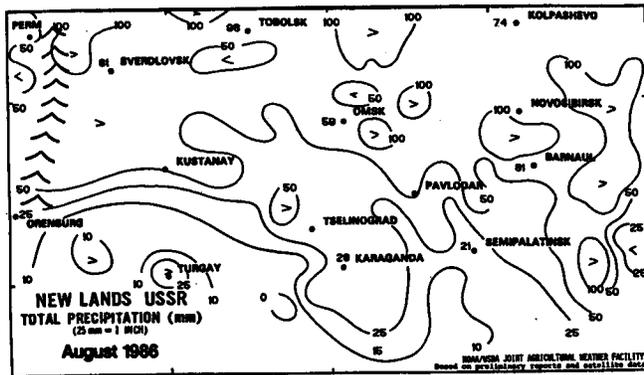
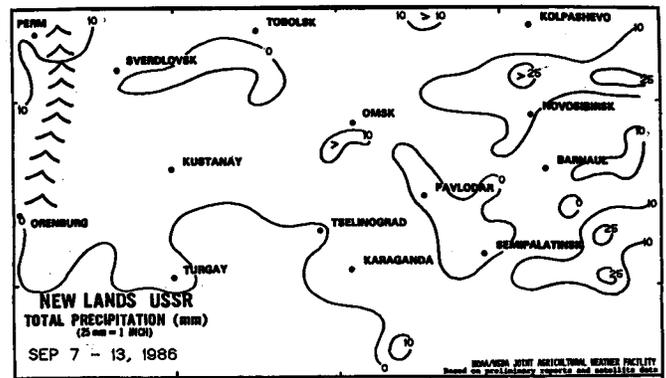
**AUSTRALIA** ... Moderate showers and mild temperatures benefit wheat in southeast Australia.



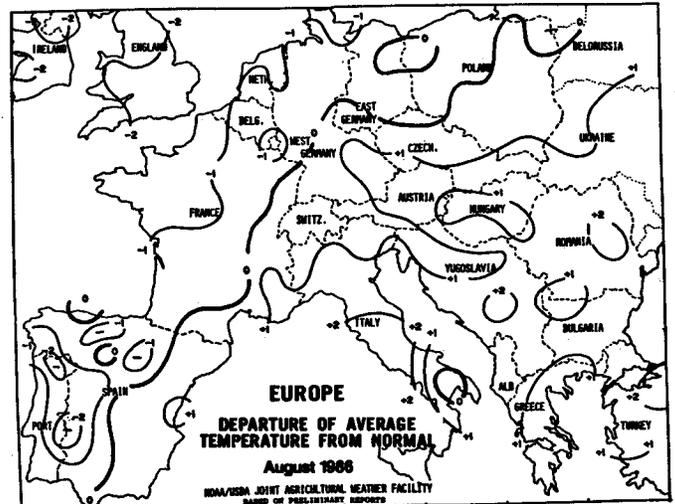
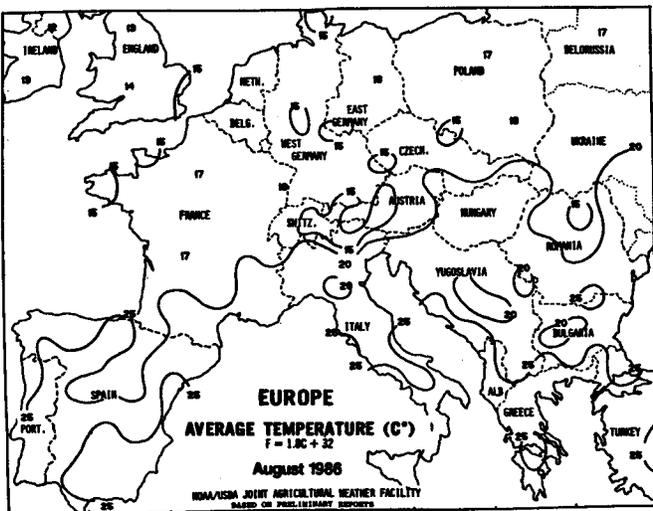
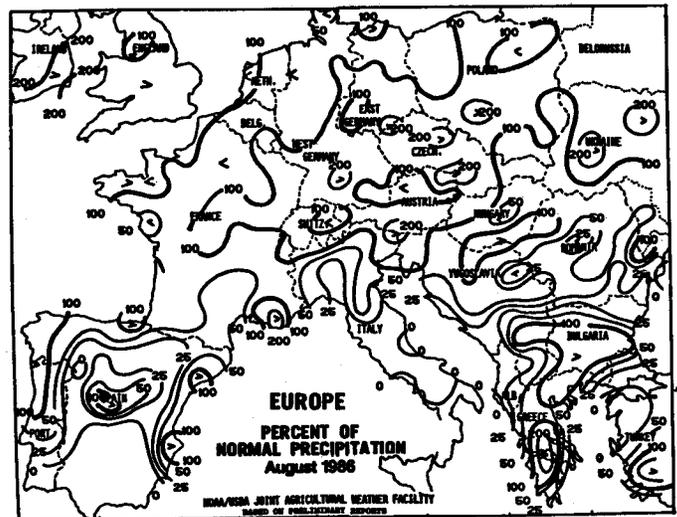
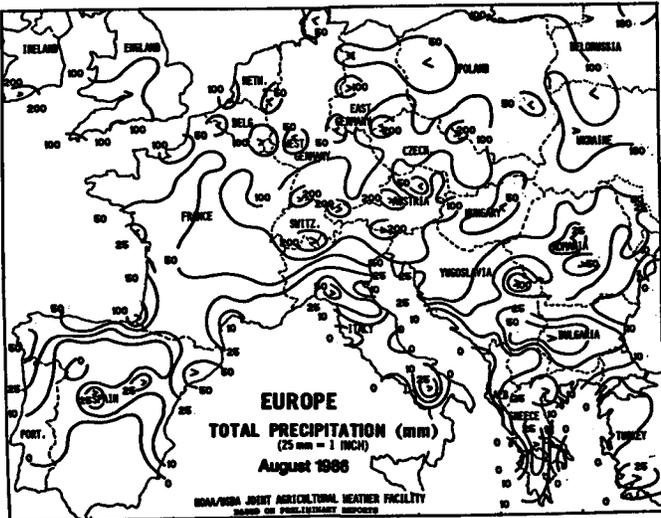
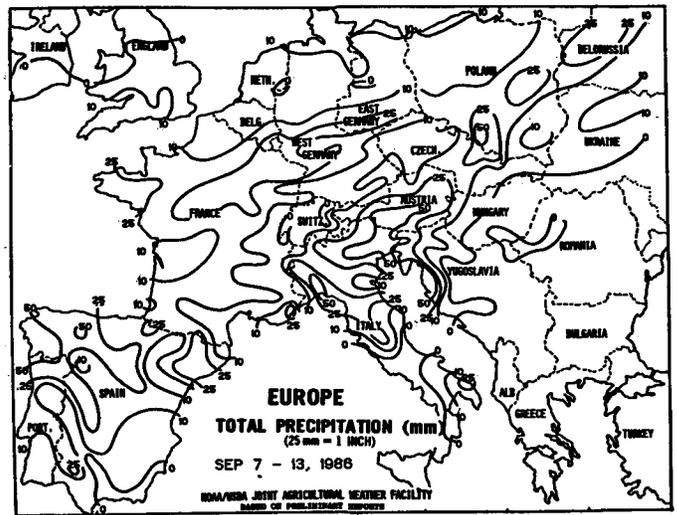
**WESTERN U.S.S.R. ...** Widespread showers over the Baltics, Belorussia, the northwestern Ukraine, and the Central Region continued August's above-normal precipitation pattern. Since August, frequent showers in these areas likely slowed spring grain harvesting but provided needed soil moisture for winter grain planting. Prolonged dryness continued over the southern and eastern Ukraine, North Caucasus, southern Black Soils, and Volga. Above-normal temperatures accompanied August's dry weather in these areas, hastening the maturity of summer crops and aiding spring grain harvesting. The dry weather reduced soil moisture to unfavorable low levels for winter grain planting, and rain is needed. The optimum time for planting in major southern winter wheat producing areas is mid-September.

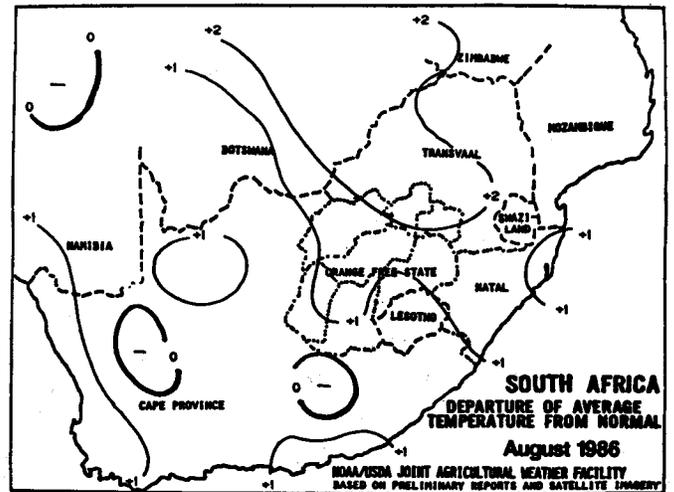
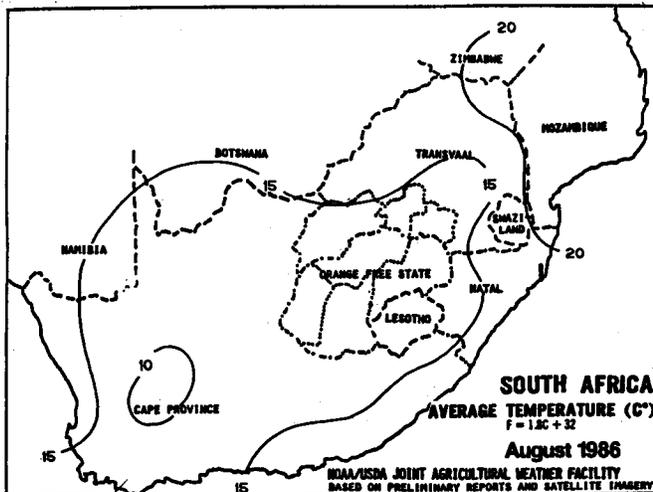
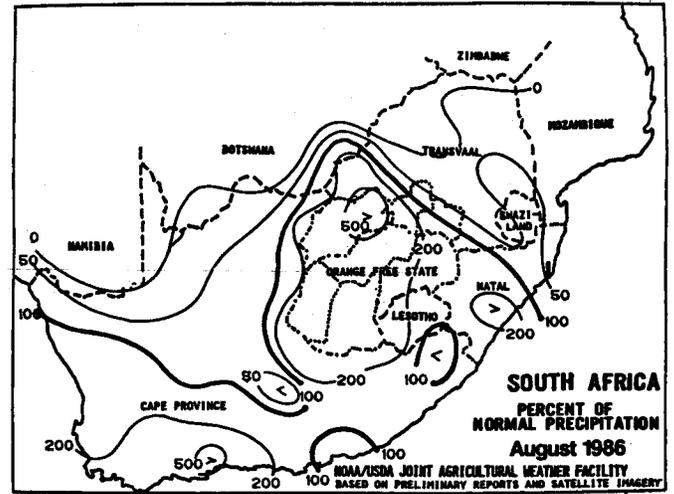
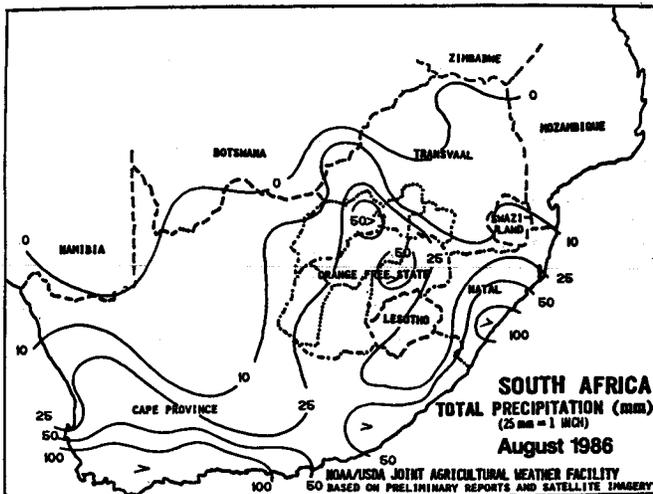
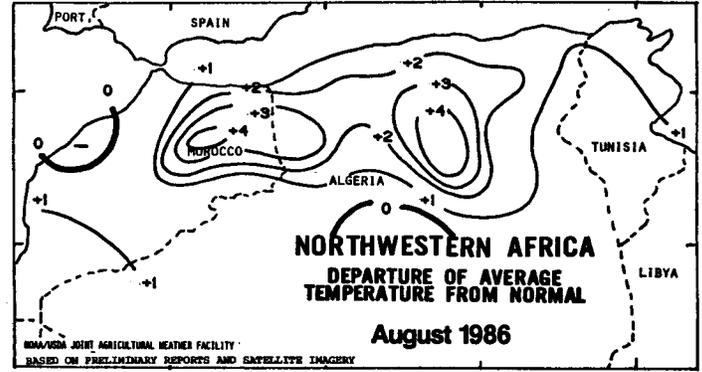
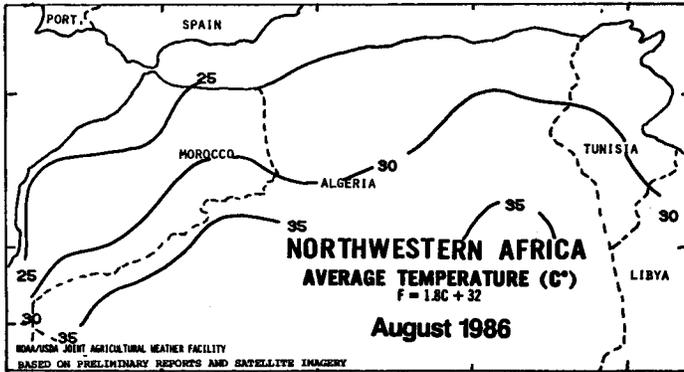
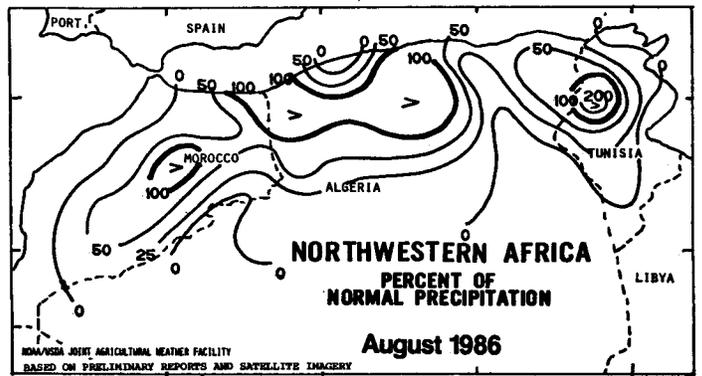
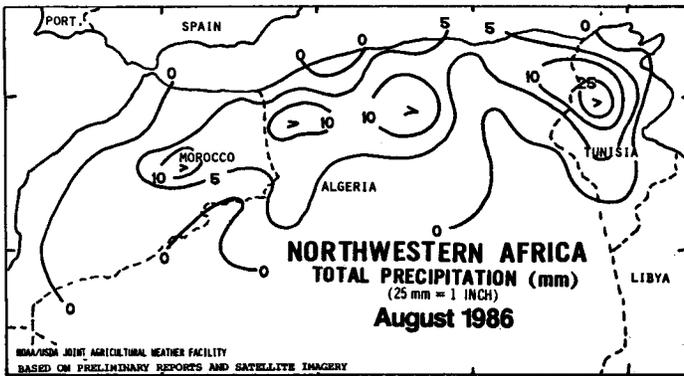


**NEW LANDS ...** Unseasonable warm, dry weather covered most spring grain areas, aiding harvesting. Widespread, frequent showers through mid-August in the northern Urals and Western Siberia benefited grain filling. Late-August dry weather covered these areas enhancing crop maturation. August's below-normal precipitation pattern in the south benefited grain maturation and helped harvesting.

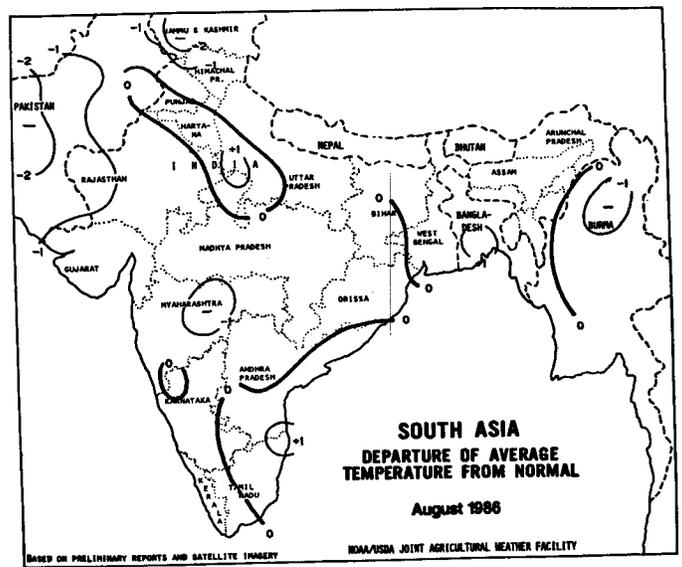
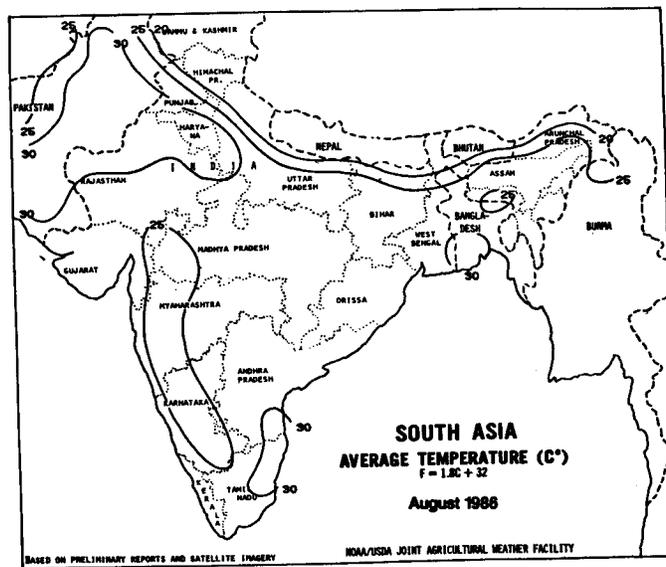
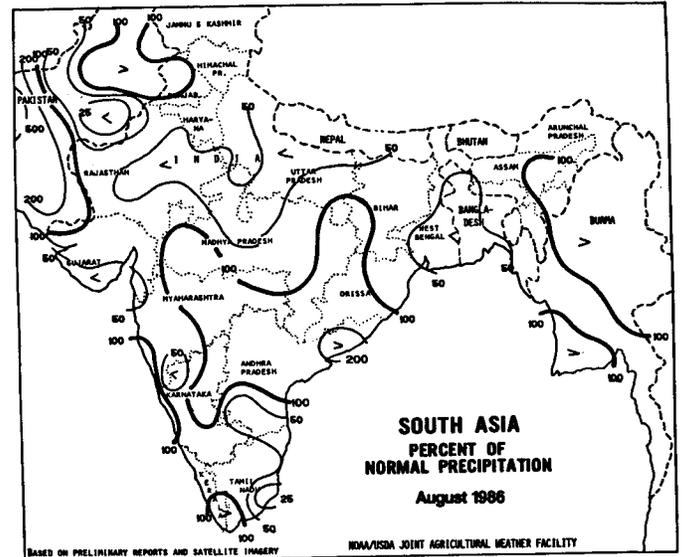
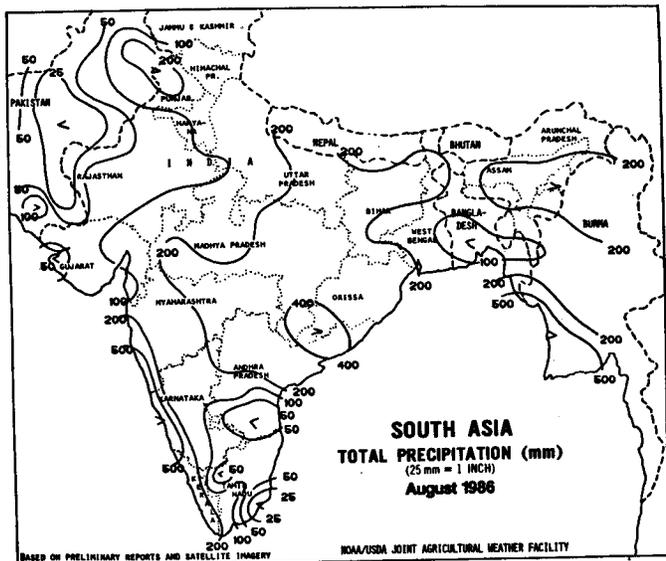
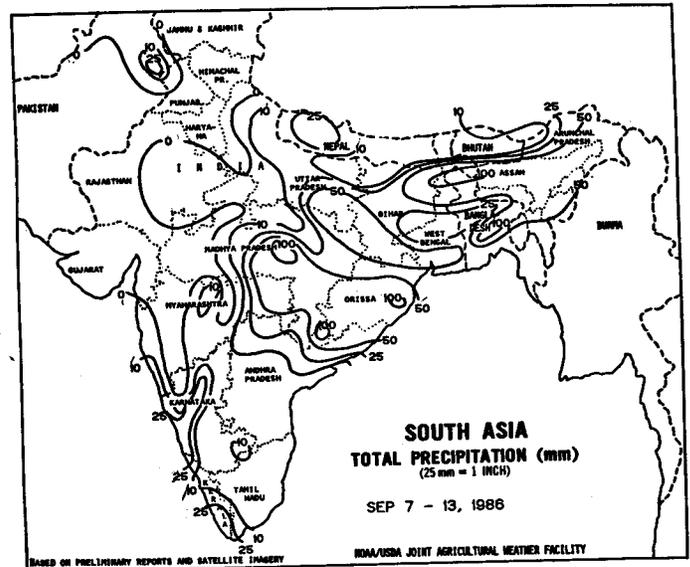


**EUROPE** ... Unseasonable cool, dry weather over England, the Netherlands, Belgium, northern West Germany, and East Germany aided harvest of summer crops and winter grain planting. Wet weather in central Poland and central Czechoslovakia continued August's above-normal rainfall pattern, causing further delays in crop harvesting but providing abundant soil moisture for winter grain planting. Highly beneficial showers (20 to 40mm) covered major winter wheat areas in central France, increasing planting moisture. Light showers in southwestern France caused only minor delays in corn harvesting. Dry weather in Romania, northeastern Yugoslavia, and northern Bulgaria continued August's below-normal precipitation pattern. Rain is needed in these areas to increase soil moisture for winter grain planting that usually begins in late September.

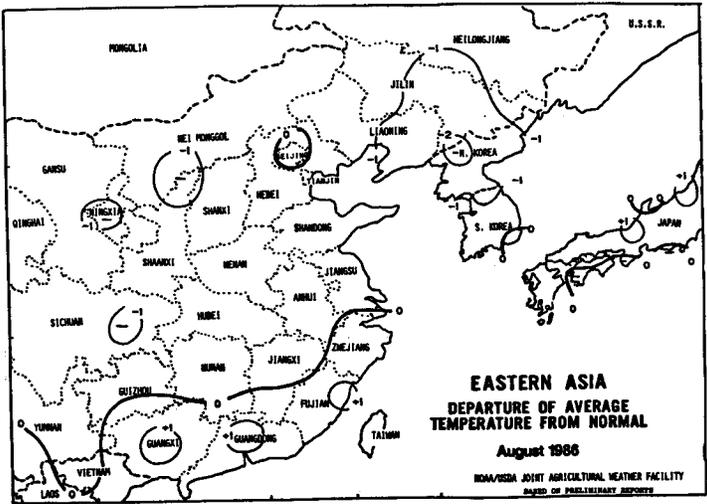
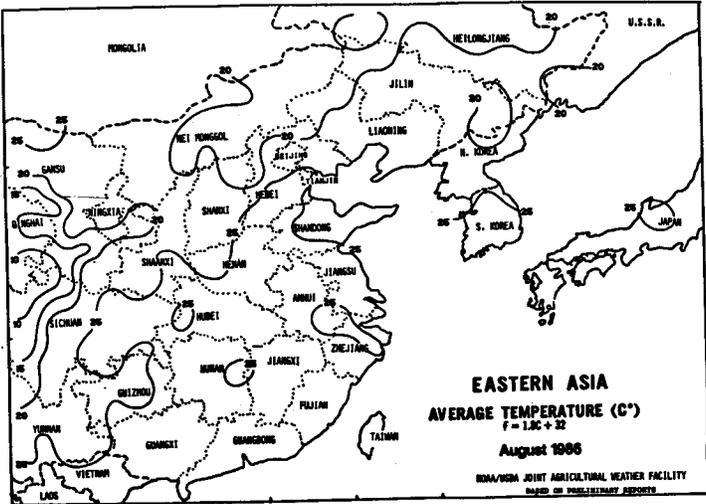
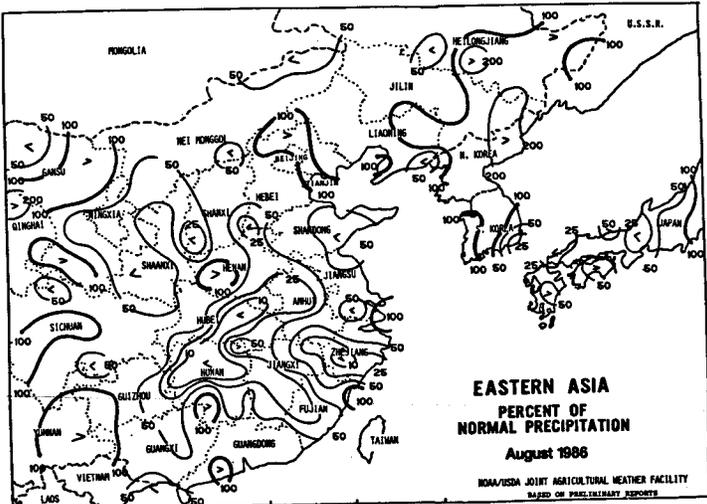
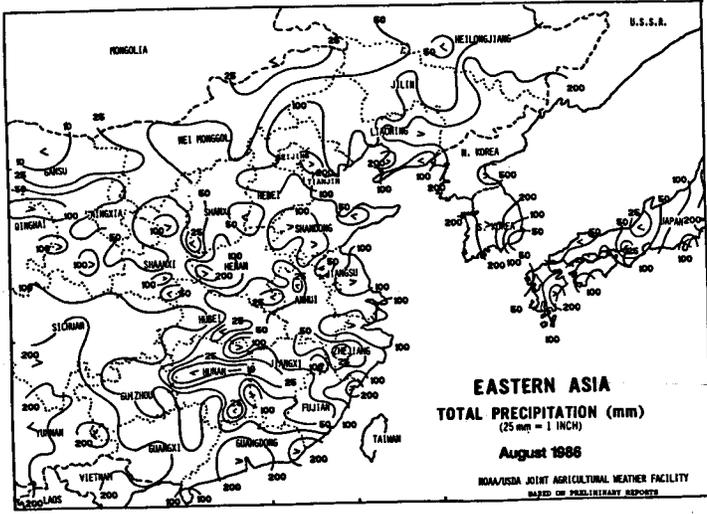
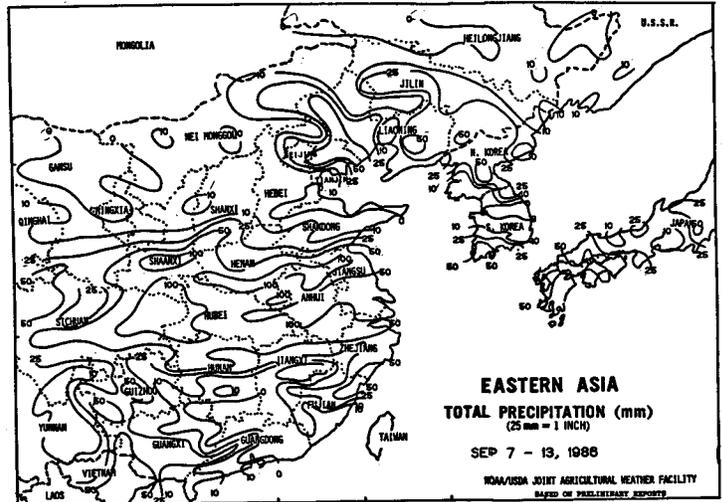




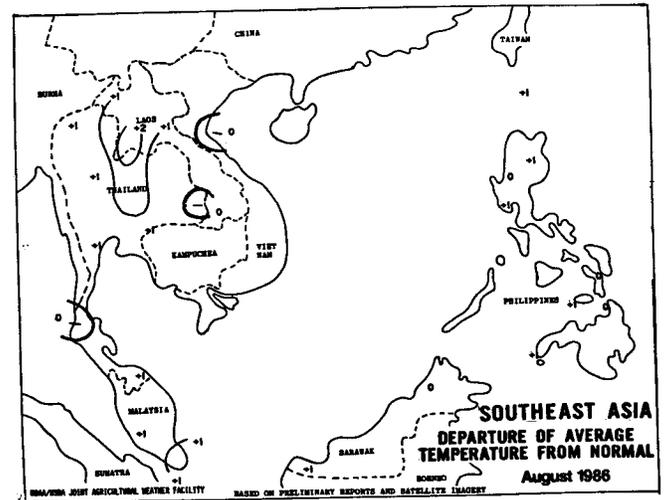
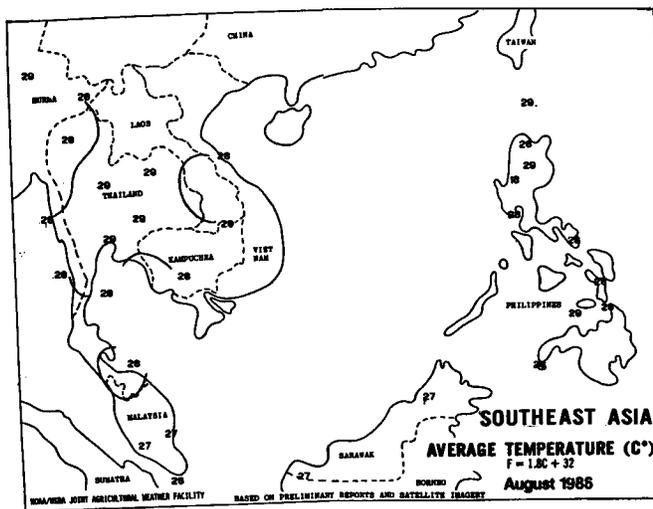
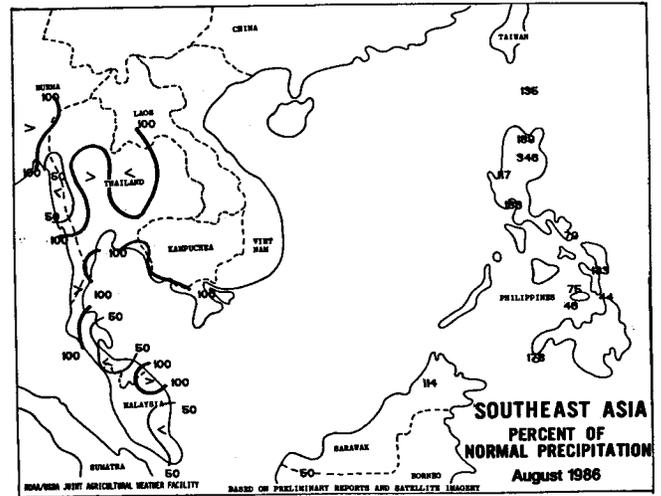
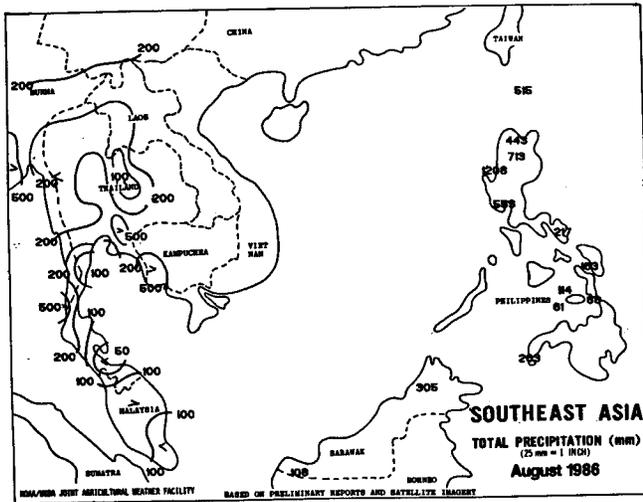
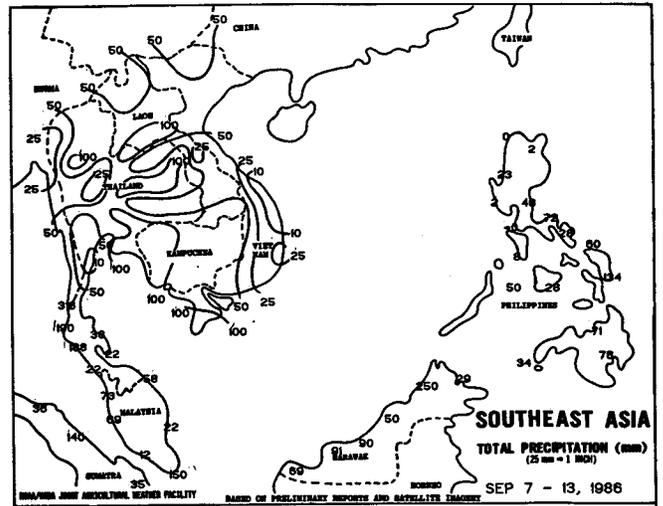
**SOUTH ASIA ...** Moderate to heavy monsoon showers returned to central India. Coverage extended from eastern Uttar Pradesh and northern Andhra Pradesh to the far eastern states. Mostly light rain fell in southern India from Maharashtra to Tamil Nadu with most cotton and groundnut regions receiving less than 4mm. No rain fell in the northwest from Gujarat and western Madhya Pradesh to Punjab. Since early August, moisture in the south and northwest has been limited for cotton, groundnuts, and rice in their peak moisture sensitive stages of development. August rainfall in central India was near-to above-normal but below-normal rainfall covered the northern and eastern states. Rain is needed in the northern States to promote the planting of winter wheat that usually begins in early October.



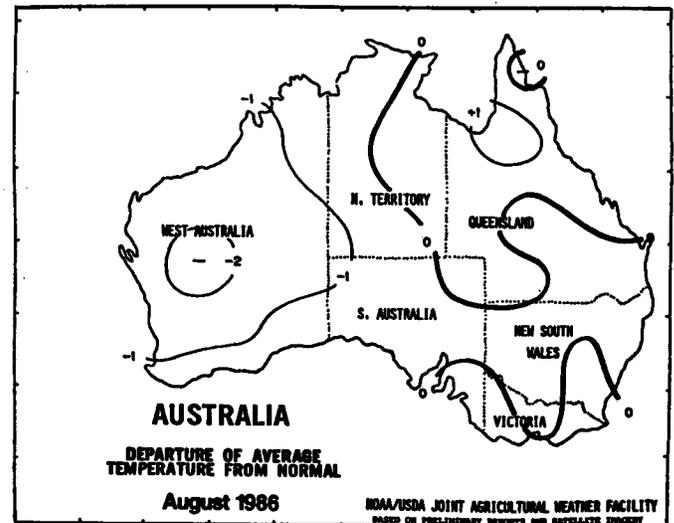
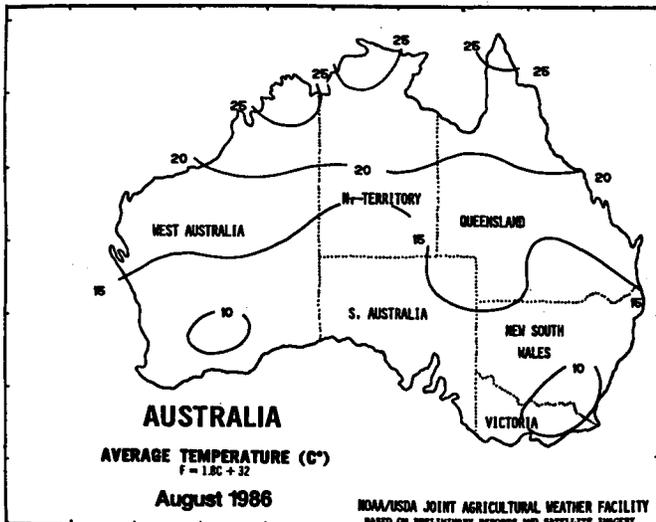
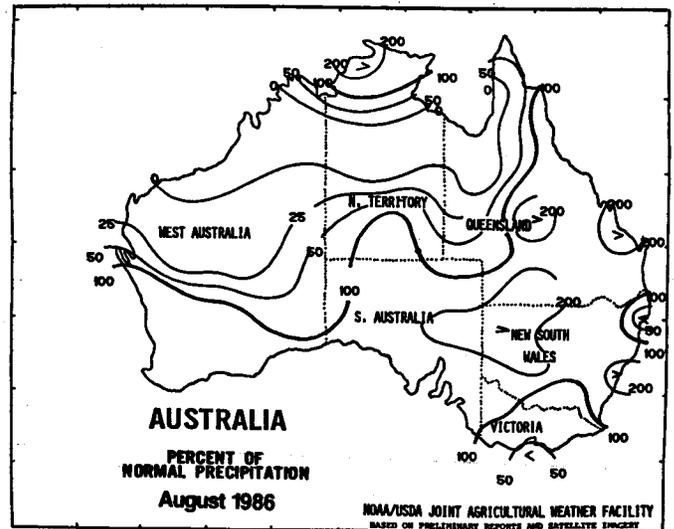
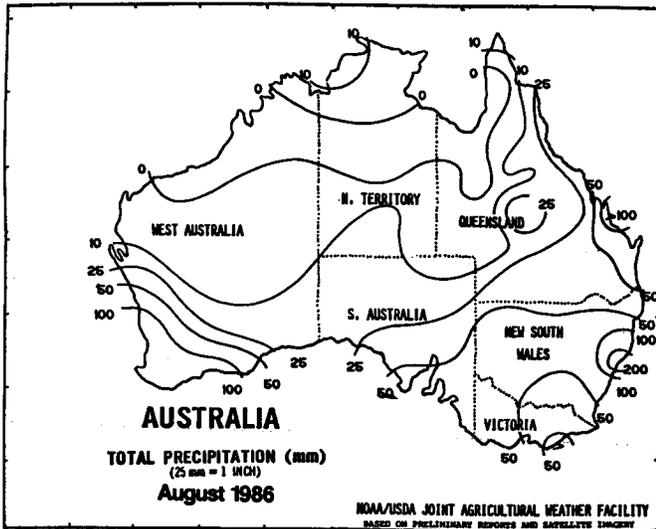
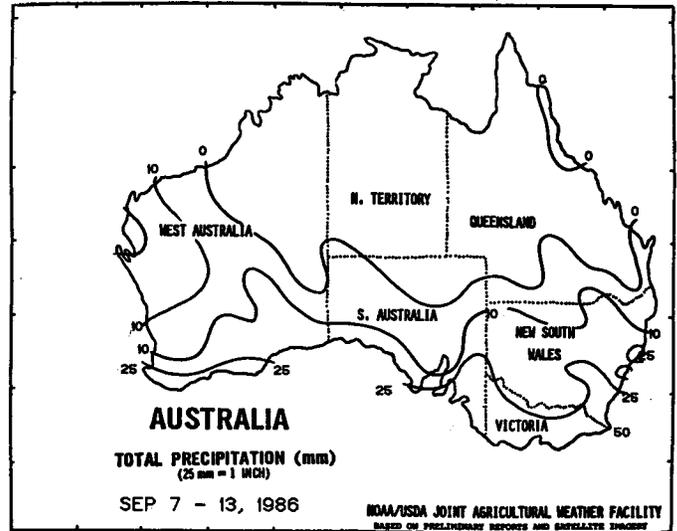
**EASTERN ASIA ...** Heavy rain covered central China crop areas in eastern Sichuan, southern Shaanxi, Hebei, Henan, Anhui, and northern Jiangsu, reversing August's below-normal precipitation pattern. Rainfall ranged from 50 to 100mm with some locations receiving rainfall in excess of 100mm. The rain provided abundant soil moisture for winter grain planting but was unfavorable for maturing cotton. Light precipitation in late double cropped rice areas of southern China continued August's unfavorable low rainfall pattern, stressing unirrigated rice advancing through reproduction. Moderate rain in summer crop areas of Liaoning continued to cause delays in early harvesting. Drier weather further north in Jilin and Heilongjiang helped harvesting.



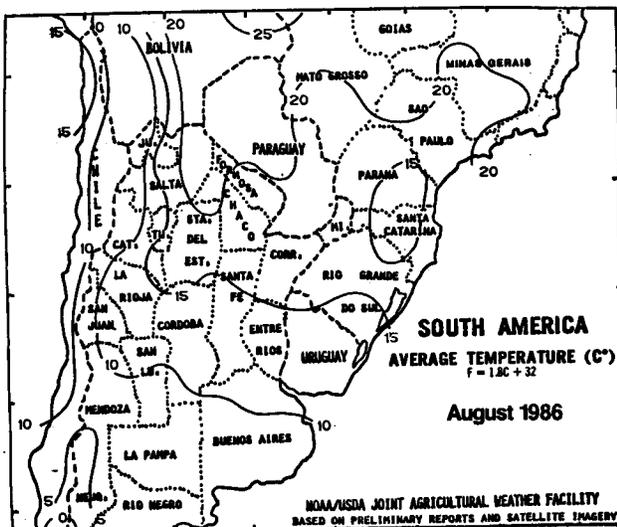
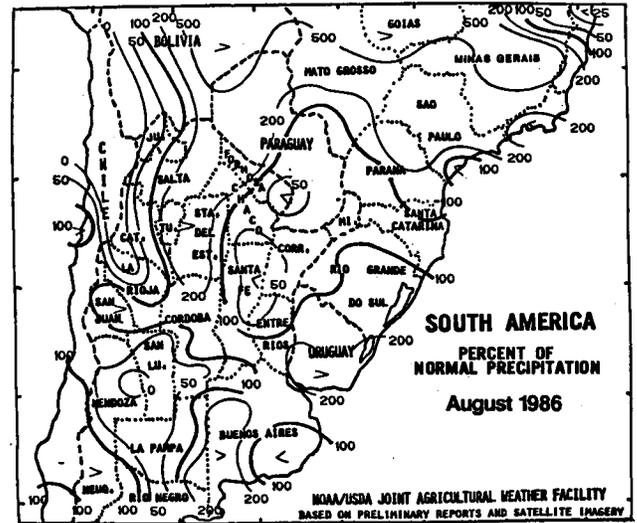
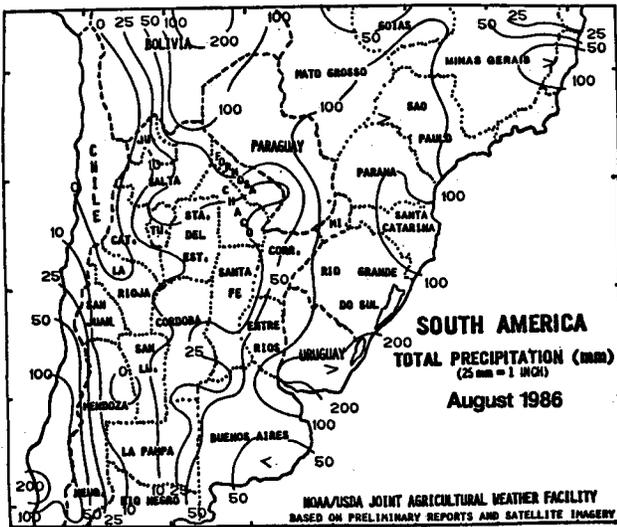
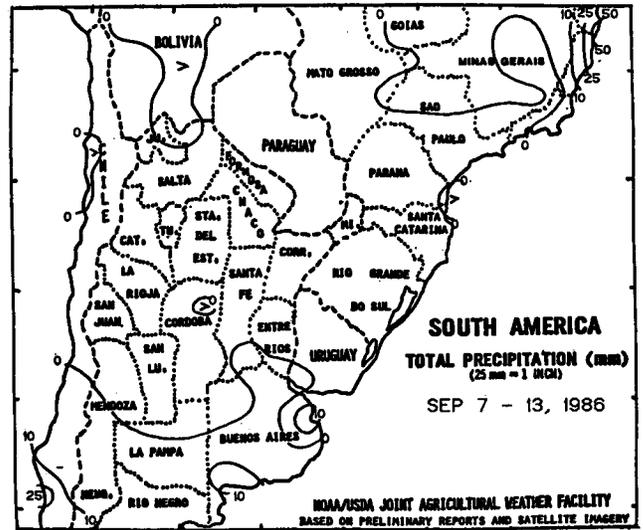
**SOUTHEAST ASIA** ... Moderate to heavy monsoon showers (50 to more than 100mm) benefited upland rice regions of Thailand. Pockets of lighter rain (less than 50mm) were present in some rainfed crop areas in the east and west, reflecting the August rainfall pattern. Light to moderate showers (5 to 50mm) fell in northern and southern Laos and Vietnam. Moderate to heavy showers (50 to more than 100mm) covered Kampuchea, central Laos and Vietnam. August rainfall was below to near normal throughout Southeast Asia. Light rain (less than 25mm) returned to the northern Philippines. Since late August rainfall from Typhoon Wayne caused flooding throughout Luzon. Moderate tropical showers continued throughout the southern islands.



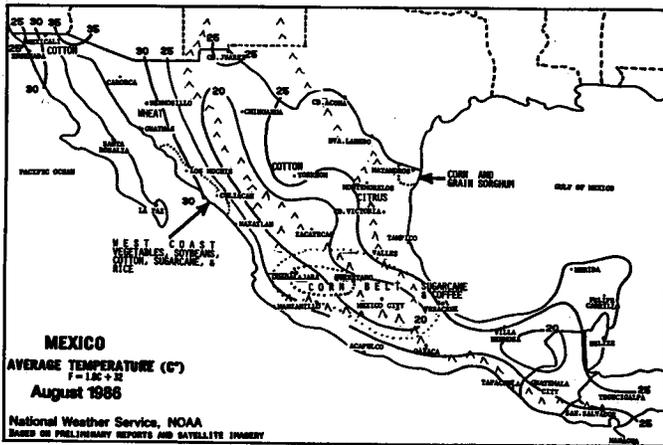
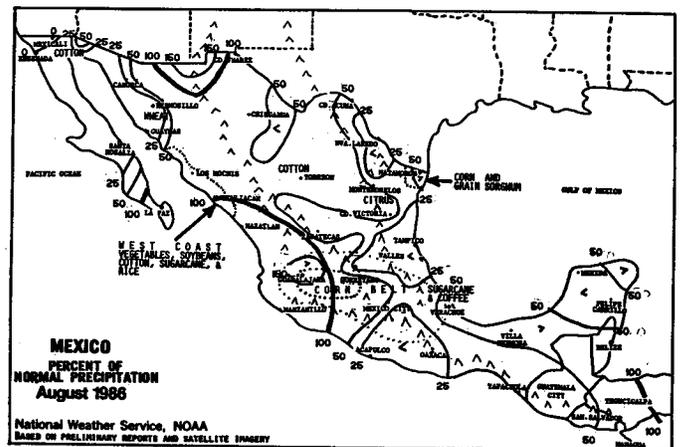
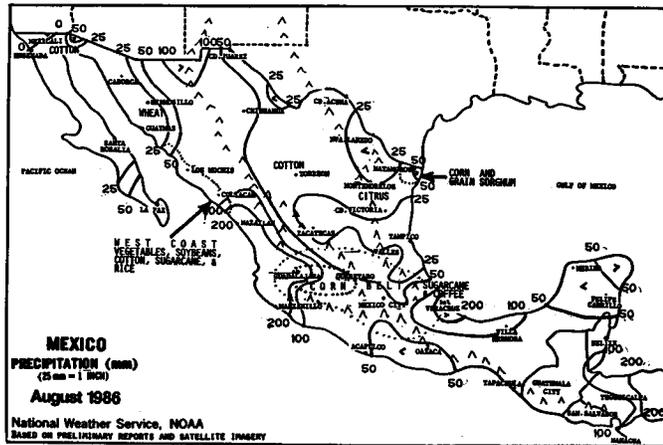
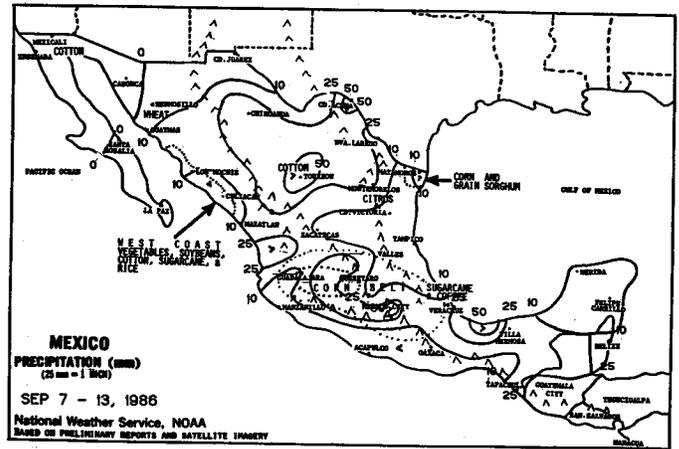
**AUSTRALIA** ... Moderate showers (11 to 30mm) benefited vegetative growth of wheat in New South Wales and Victoria. However, rainfall in southern Queensland was generally minimal (less than 4mm). Below-normal rainfall in northern New South Wales and southeast Queensland since mid-August has limited moisture supplies for wheat development. Light to moderate rain (6 to 25mm) fell in crop areas of Western Australia and South Australia with heavier rainfall in coastal regions. Near-normal rainfall throughout August sustained adequate soil moisture reserves in the western and southern wheat regions. Temperatures throughout Australia's crop areas generally averaged 13 to 16 degrees C but were somewhat higher in Queensland. Since mid-August seasonal warming has increased the growth and moisture demands of crops throughout Australia.



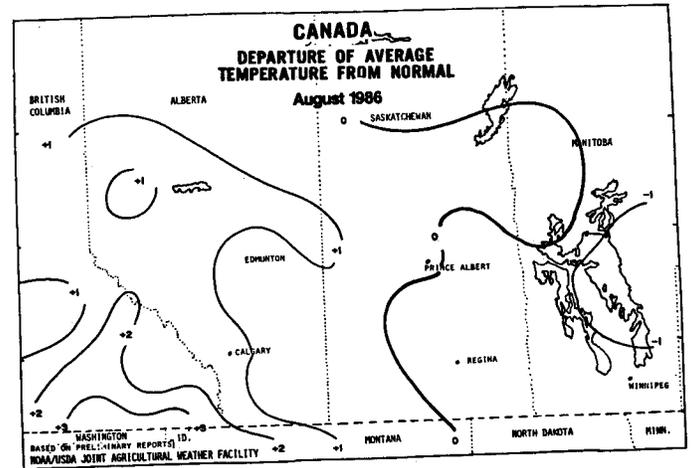
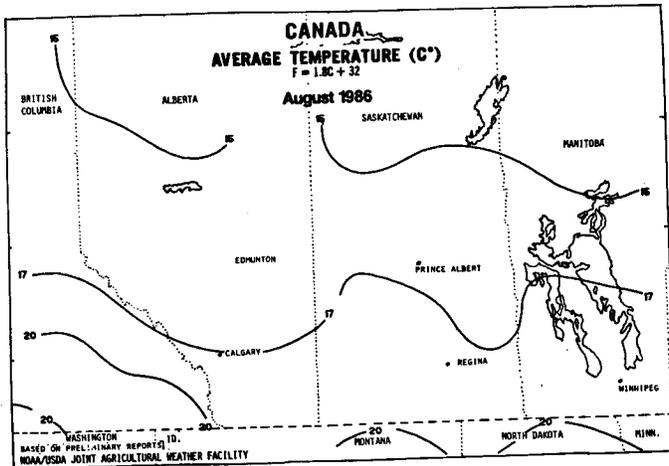
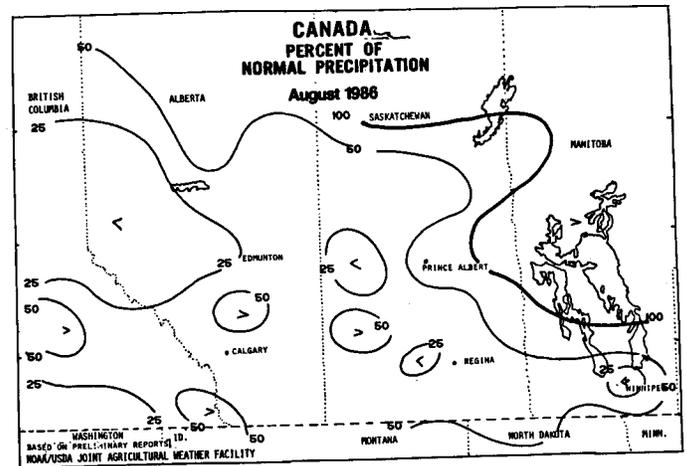
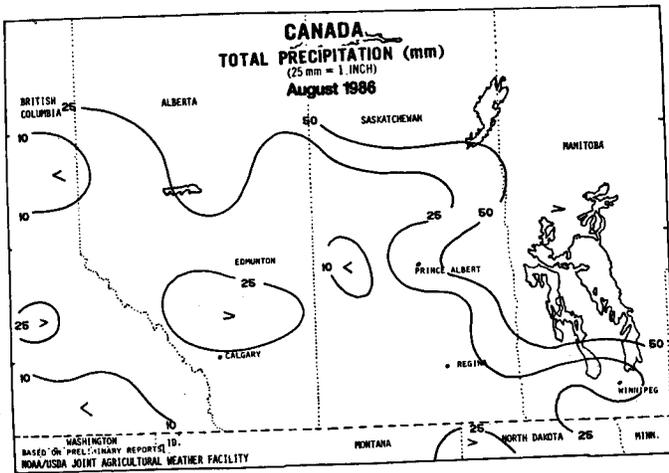
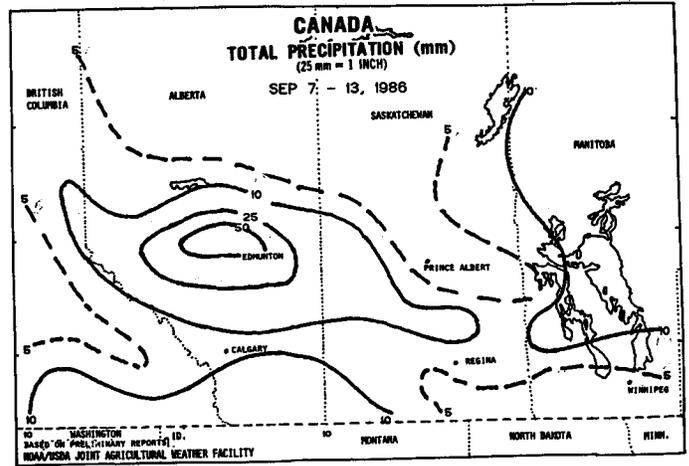
**SOUTH AMERICA** ... Drier weather returned to Argentina's wheat areas following the extremely beneficial rain that fell during late August and early September. In fact, August rainfall averaged near to above normal in most wheat areas due to the late-month showers. The much needed topsoil moisture promoted vegetative growth of wheat. Corn planting normally begins in mid-September in Argentina. The rain improved soil conditions in preparation for the spring planting season. In Brazil, August rainfall was generally near normal in the south, maintaining adequate moisture for wheat development. Above-normal monthly rainfall in northern Parana, Sao Paulo, and southern Minas Gerais improved conditions for summer crop planting, and flowering of coffee trees. Dry weather returned to Brazil's crop areas this past week.



**MEXICO** ... Widespread showers (around 25mm) covered the Southern Plateau corn belt. In the northeast, moderate to heavy rain (35 to 70mm) was unfavorable for the corn, sorghum, cotton, and vegetable harvests. Light rain covered the northwest mountain watersheds, and additional precipitation is needed to boost irrigation supplies for winter wheat planting that begins in September. In August, above-normal precipitation covered the western portion of the Southern Plateau corn belt while the east received below-normal rainfall. August's below-normal rainfall pattern in cotton areas of the north helped harvesting.



**CANADA** ... Cool, showery weather slowed crop harvesting, but harvesting progressed some, especially in the southeast. Below-average August rainfall favored maturing crops and allowed harvesting to advance ahead of last year's pace. In Saskatchewan, swathing of spring wheat is about 90 percent, and combining is 55 percent complete. Weekly rainfall generally averaged 10mm in Saskatchewan, 25mm in Alberta, and 5mm in Manitoba. Minimum temperatures dropped to -1 to -3 degrees C in central Alberta and northeastern crop areas of Saskatchewan, possibly causing some quality reductions in unharvested grains and oilseeds.



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(Continued from p. 18)

Potatoes harvested 10%, 15% 1985, 15% avg. Dry beans leaves turning color 85%, 75% 1985, 75% avg.; windrowed 45%, 45% 1985, 45% avg.; combined 35%, 30% 1985, 30% avg. Winter wheat seeded 55%, 55% 1985, 55% avg.; emerged 20%, 25% 1985, 25% avg. Alfalfa 2nd cutting complete 95%, 95% 1985, 85% avg.; 3rd cutting 20%, 15% 1985, 20% avg. Other hay harvested 95%, 95% 1985, 95% avg. Hay supplies for wintering livestock adequate throughout State. Alfalfa, other hay for sale good quality throughout State.

### September Crop Production Highlights

CORN FOR GRAIN production is forecast at 8.27 billion bushels, down 7 percent from last year's record crop and down less than 1 percent from August 1. The 90 percent confidence interval for this production forecast is 7.54 to 9.00 billion bushels.

SORGHUM GRAIN production is forecast at 873 million bushels, down 21 percent from last year's record production.

FEED GRAIN production (corn, sorghum, oats, and barley) is expected to total 252 million metric tons, down 8 percent from last year.

SOYBEAN production is forecast at 1.98 billion bushels, virtually unchanged from the August 1 forecast but down 6 percent from 1985. The 90 percent confidence interval for this production forecast is 1.82 to 2.14 billion bushels.

ALL WHEAT production is forecast at 2.12 billion bushels. This is the lowest level since 1978 and down 13 percent from 1985. The 90 percent confidence interval for this production forecast is 2.08 to 2.16 billion bushels.

ALL COTTON production is forecast at 10.5 million bales, a decrease of 2 percent from August 1 and 22 percent below the 1985 crop. The 90 percent confidence interval for this production forecast is 9.2 to 11.8 million bales.

All TOBACCO production is forecast at 1.22 billion pounds, 19 percent below last year and the smallest crop since 1936.

PEANUT production is forecast at 3.47 billion pounds, 16 percent less than last year and 21 percent below the record large harvest of 1984.

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