

# 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

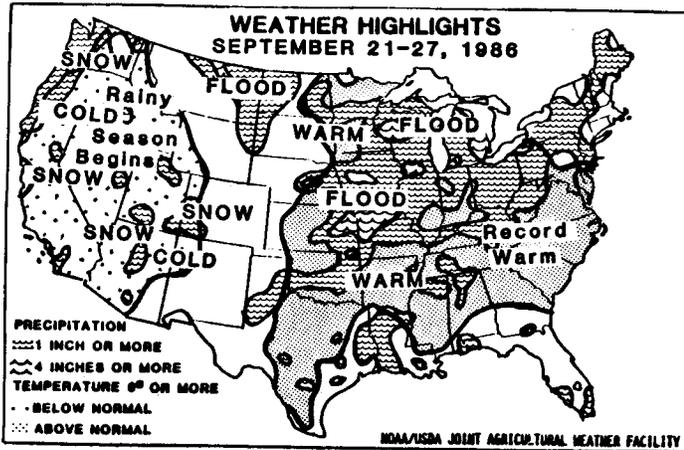
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## National Weather Summary

September 21 to 27, 1986



**HIGHLIGHTS:** Seasonal precipitation began in the West, and rain with snow at higher elevations fell almost everywhere west of the Rockies. Serious flooding resulted in Montana and parts of North Dakota when thunderstorms dropped heavy rain in eastern Montana and North Dakota one day and in adjacent parts of Canada the next day. Severe thunderstorms continued from the upper Mississippi Valley across the Great Lakes. Serious flooding continued when the heavy rain covered the already excessively wet area. Little or no rain fell in the drought area of the Southeast from Georgia to Maryland. Temperatures were unusually cold in the West and warm in the East.

**SUNDAY...** Showers and thunderstorms continued to produce flooding rain from southern Minnesota through Michigan. Thundershowers fell throughout the northern Great Plains, across the South, and along the east coast. Cold weather covered the central Plateau and northern Rockies, but unusually warm weather moved northward through the East to the Great Lakes region.

**MONDAY...** Heavy thunderstorms were widespread from the lower Missouri Valley to Lake Ontario. Lighter thunderstorms covered the Southwest, the central and southern Plains, across the South, and through the Northeast. Early-morning freezing temperatures continued in the central Plateau and the northern Rockies, and cooler air pushed over the northern Plains. The Great Lakes States were unusually warm.

**TUESDAY...** Precipitation fell through most of the West with moderate to heavy amounts in the Northwest and in isolated parts of the Southwest. Snow

covered the high elevations of the central Plateau and northern Rockies. Elsewhere, thunderstorms were widespread from the lower Missouri Valley through the Northeast. Unusually warm weather reached from the southern Plains through the Ohio Valley to New Jersey.

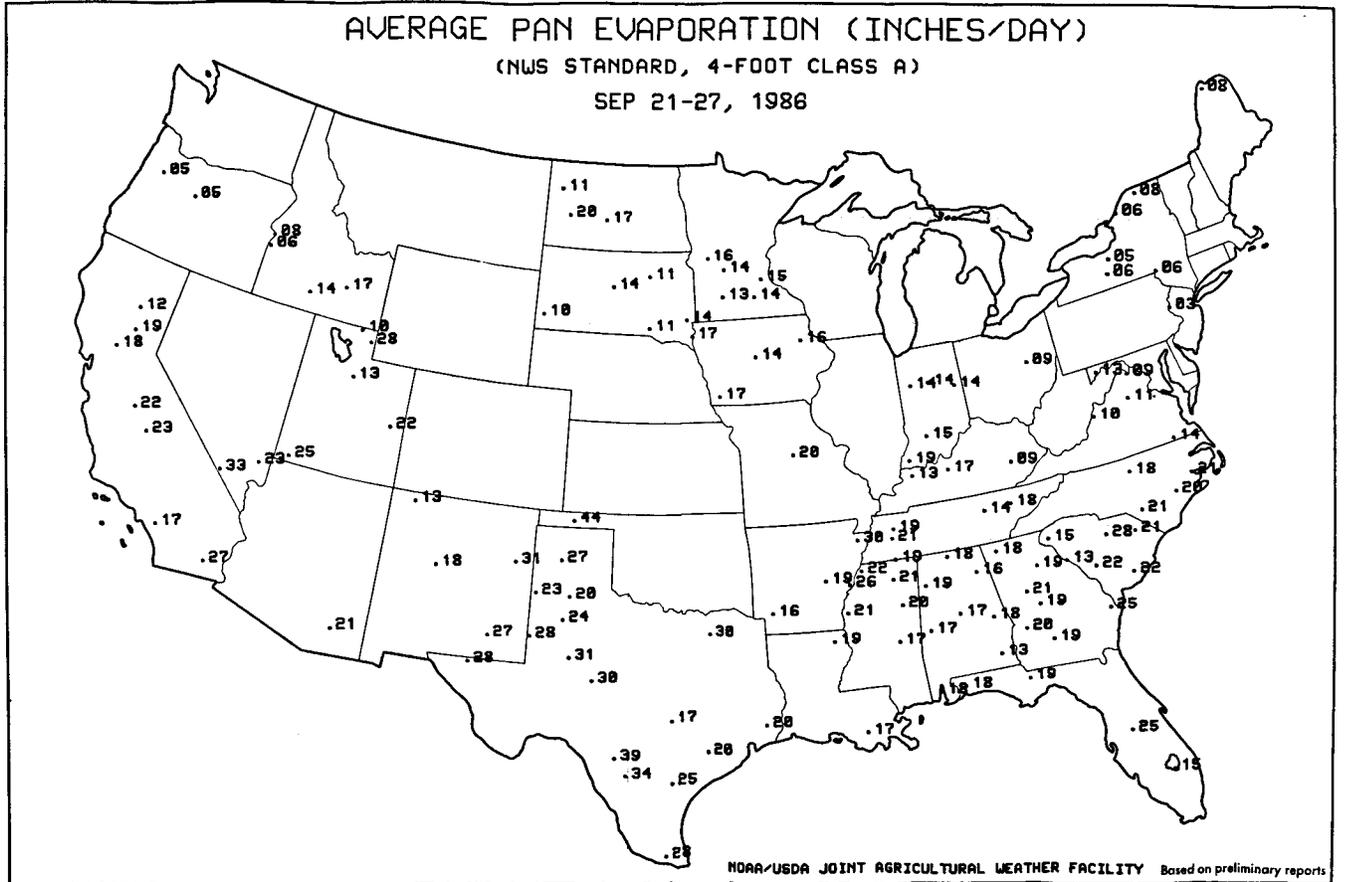
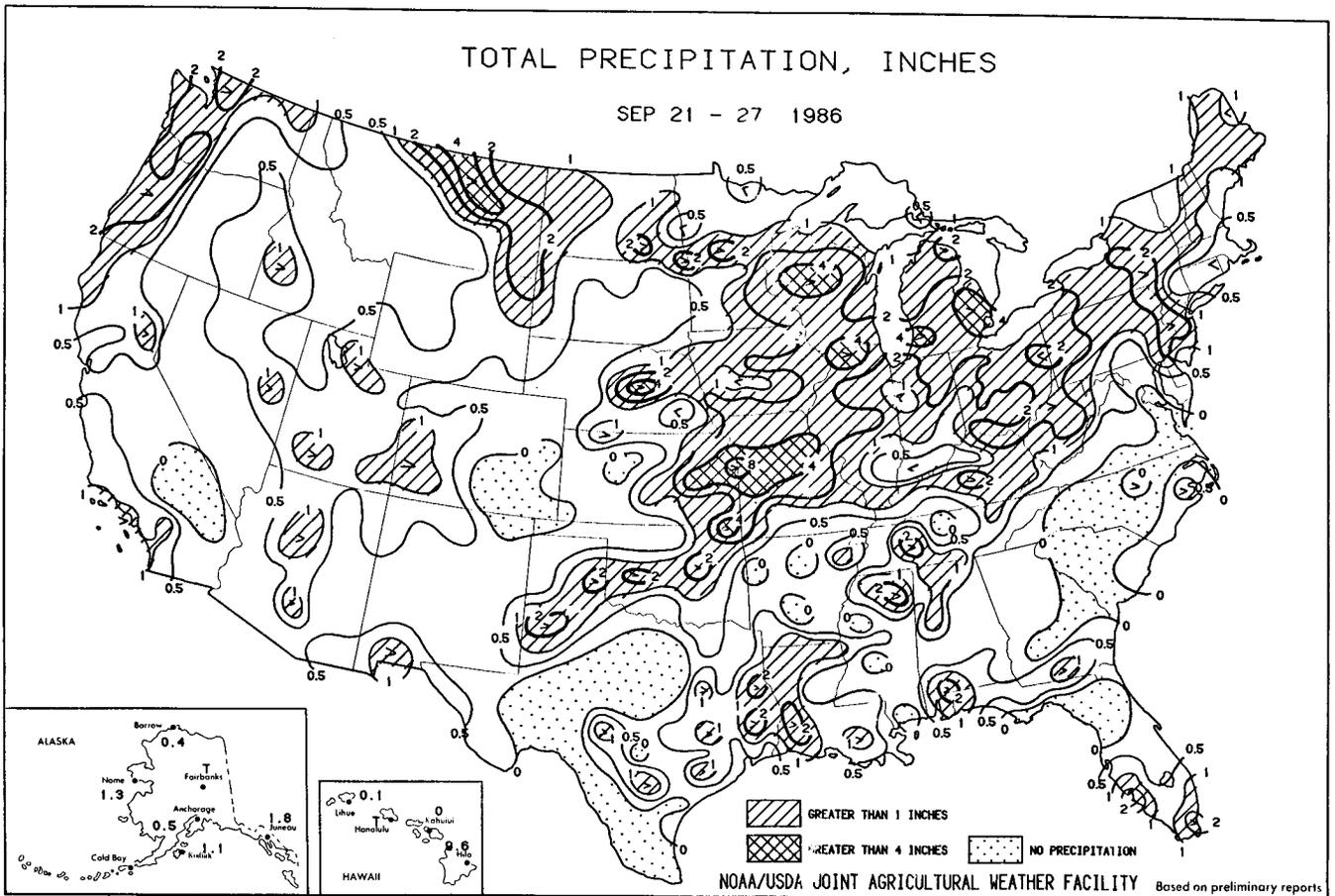
**WEDNESDAY...** Widespread rain, with snow at higher elevations, fell throughout the West. Heavy rain fell in southwestern California and in parts of central California. High wind resulted in blowing snow in the Sierras, Cascades, and Rockies. Moderate to heavy showers covered eastern Montana, western North Dakota, and adjacent parts of Canada, resulting in serious local flooding. Heavy thunderstorms developed from Iowa and southern Minnesota into western Pennsylvania.

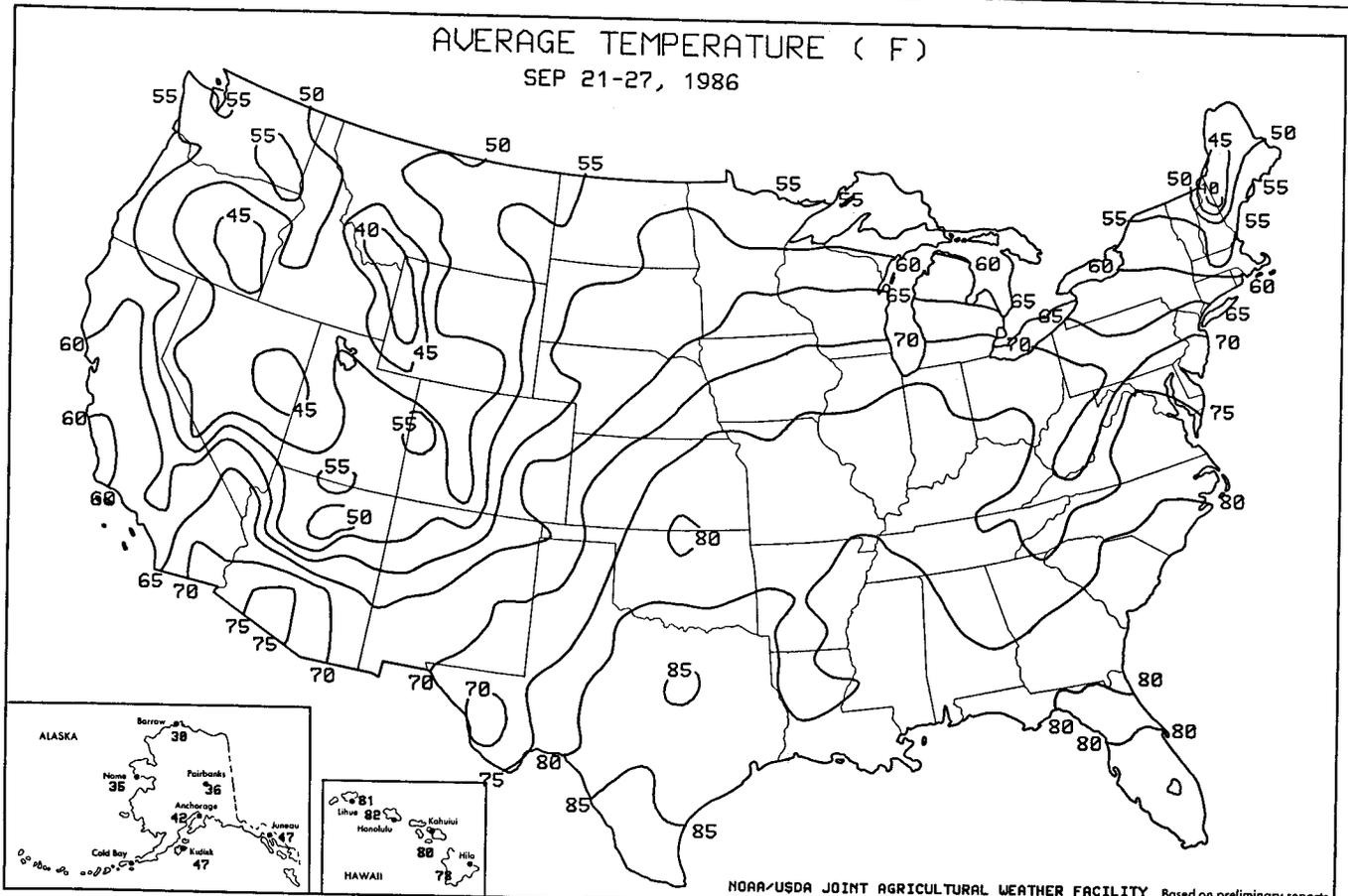
**THURSDAY...** The rainy season has apparently returned to the West as precipitation again covered most of the area west of the Rockies with snow at most higher elevations. Showers were relatively light in Montana and North Dakota, but moderate to heavy rain fell across the Canadian border in the lower prairie provinces causing additional downstream flooding in the wet areas. Light, occasionally moderate showers fell through the Great Lakes region and through New York and Pennsylvania.

**FRIDAY...** Severe thunderstorms reached from central Oklahoma to southern Michigan and eastward into Pennsylvania. The additional heavy rain in southern Michigan added to the already serious flooding problems. Lighter showers reached eastward to southern New England and New Jersey. Showers continued in the Northwest and the central and northern Rockies. Warm weather covered the area east of the Rockies.

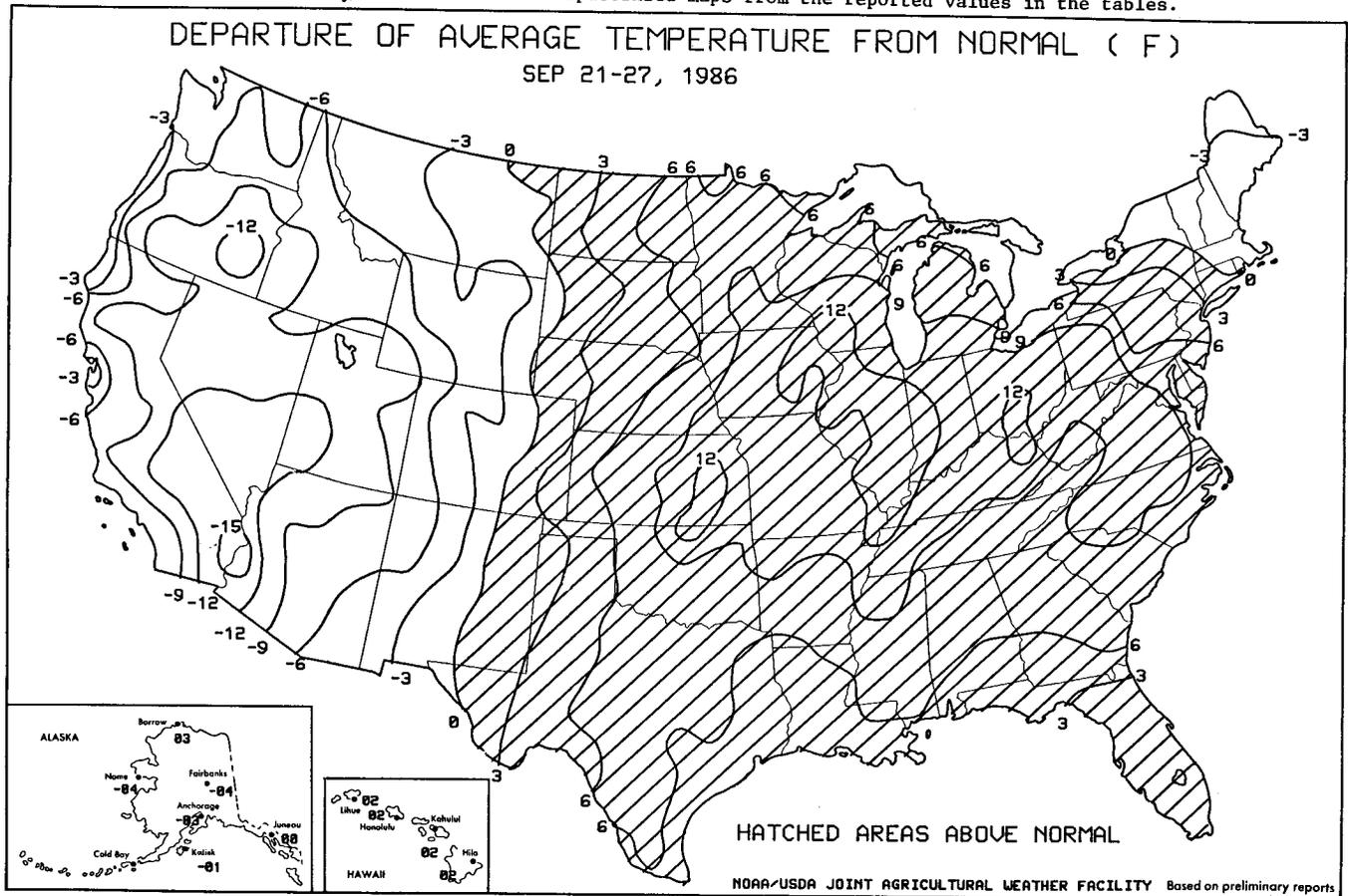
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Contents	Page
National Weather Summary . . . . .	1
Total Precipitation & Pan Evaporation. . . . .	2
Average Temperature & Departure. . . . .	3
Crop Moisture & Crop Moisture Index. . . . .	4
Drought Severity & Drought Severity Index . . . . .	5
Precipitation Needed to End Drought & Extreme Minimum Temperature. . . . .	6
National Weather Data for Selected Cities. . . . .	7
Growing Degree Days & Departure. . . . .	10
National Agricultural Summary . . . . .	11
Crop Progress & Condition Tables . . . . .	12
State Summaries of Weather and Agriculture . . . . .	14
Global Weather Satellite Image . . . . .	20
International Weather and Crop Summary . . . . .	21
Subscription & Mailing Permit Information . . . . .	24



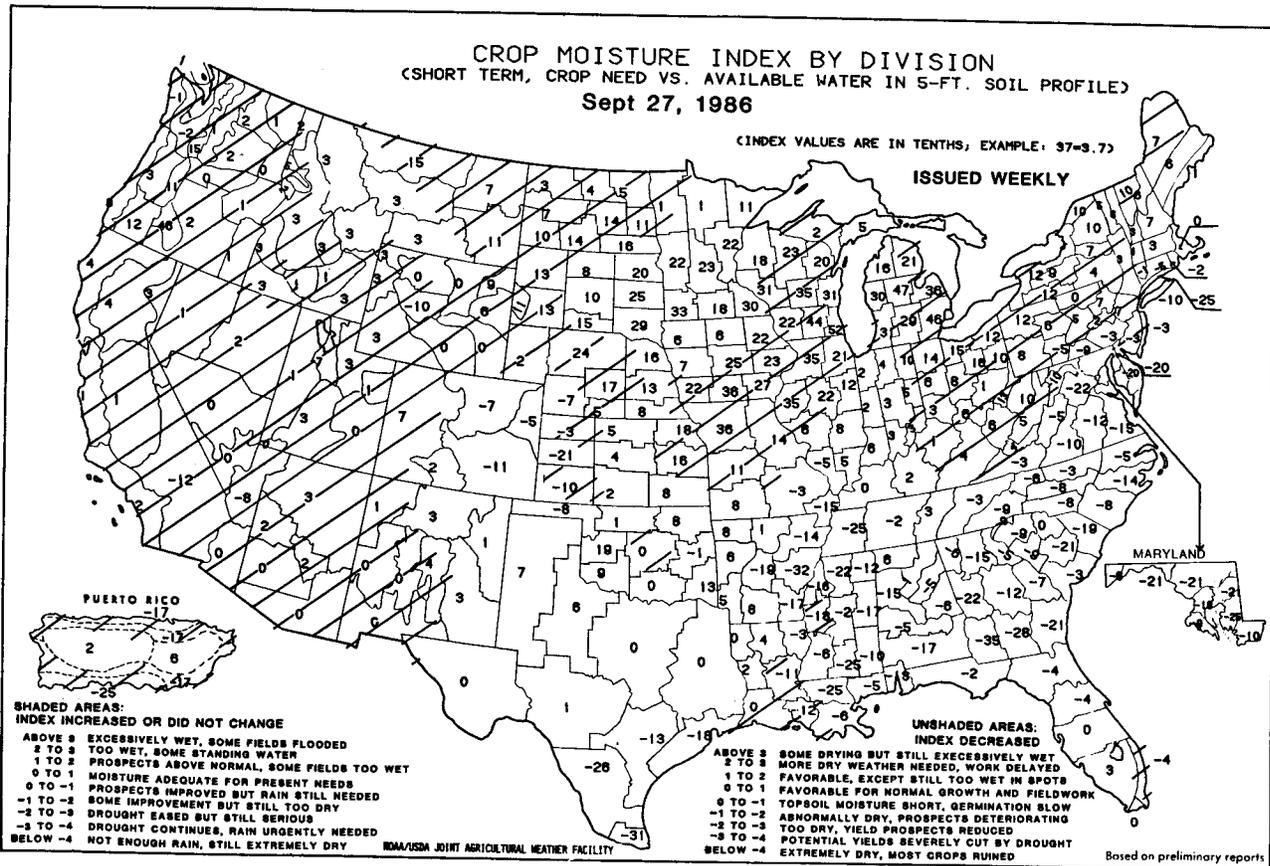
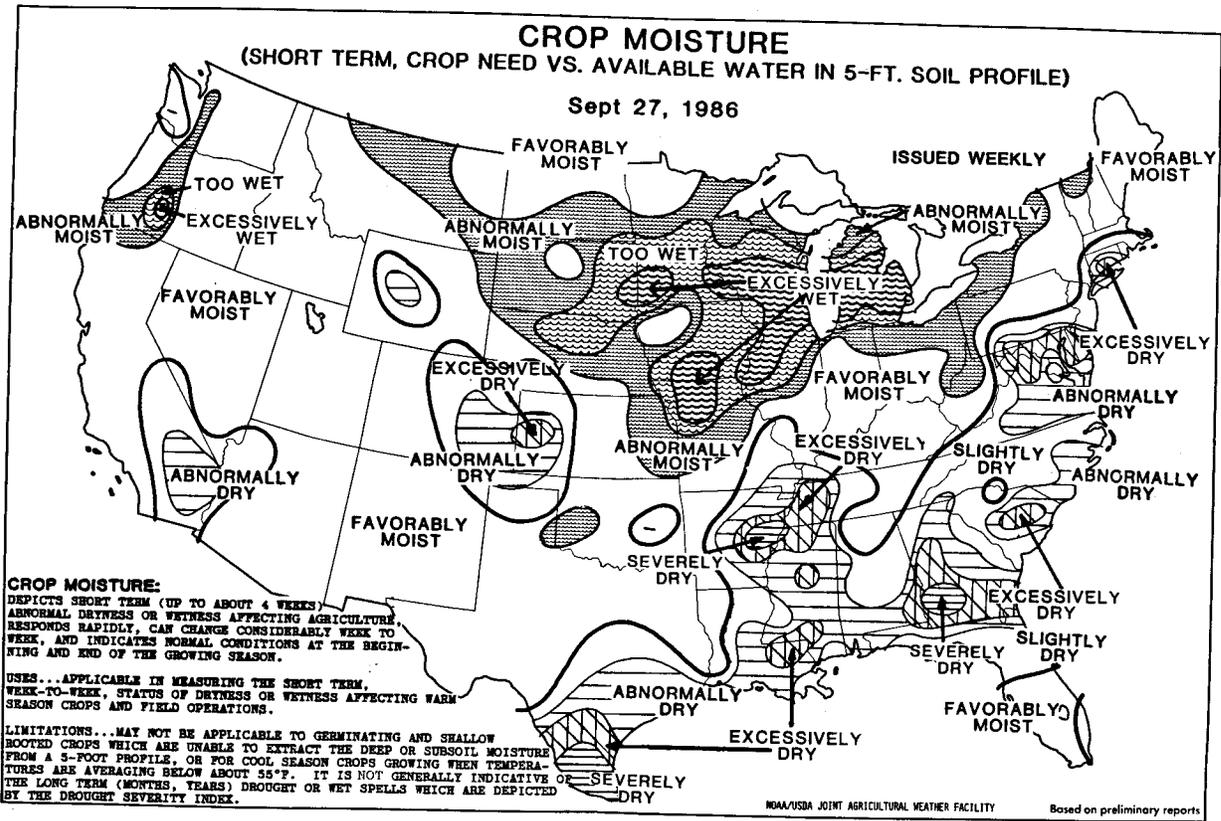


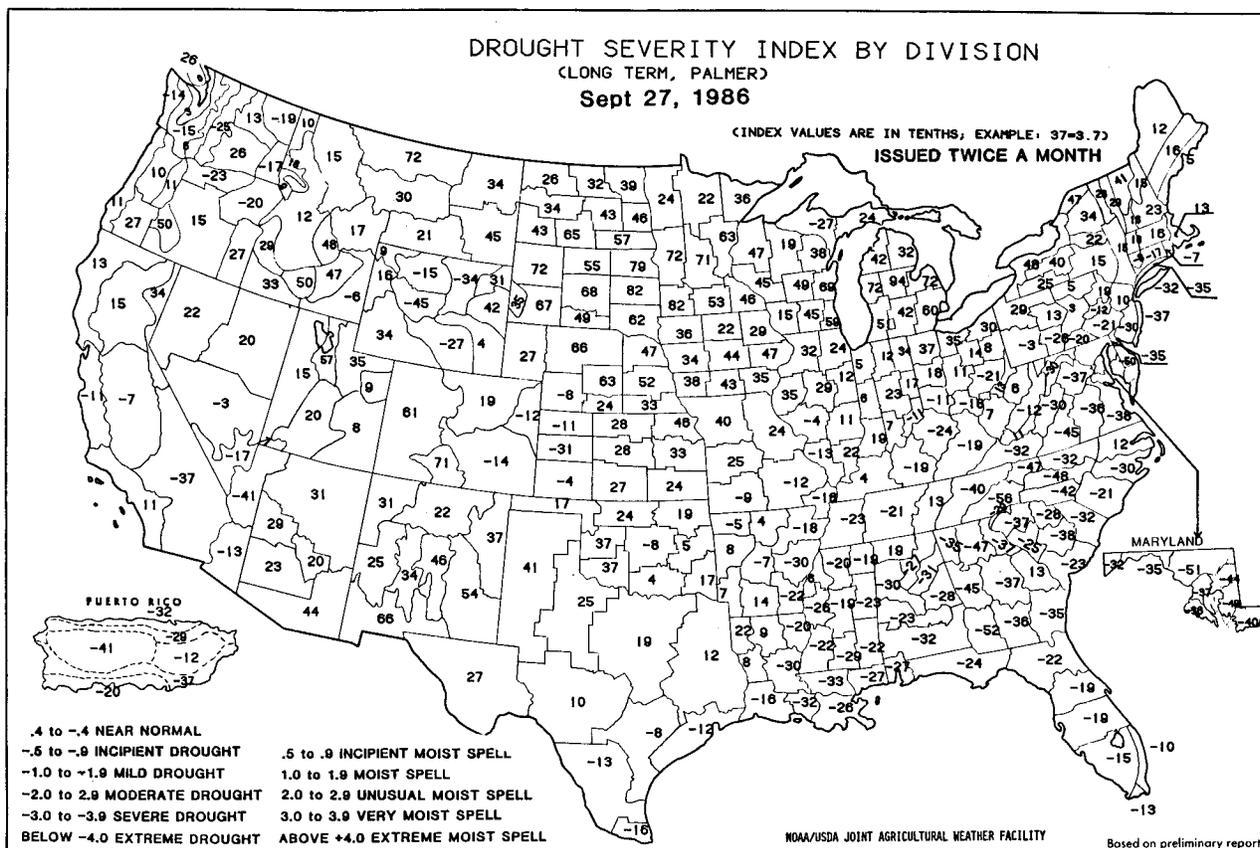
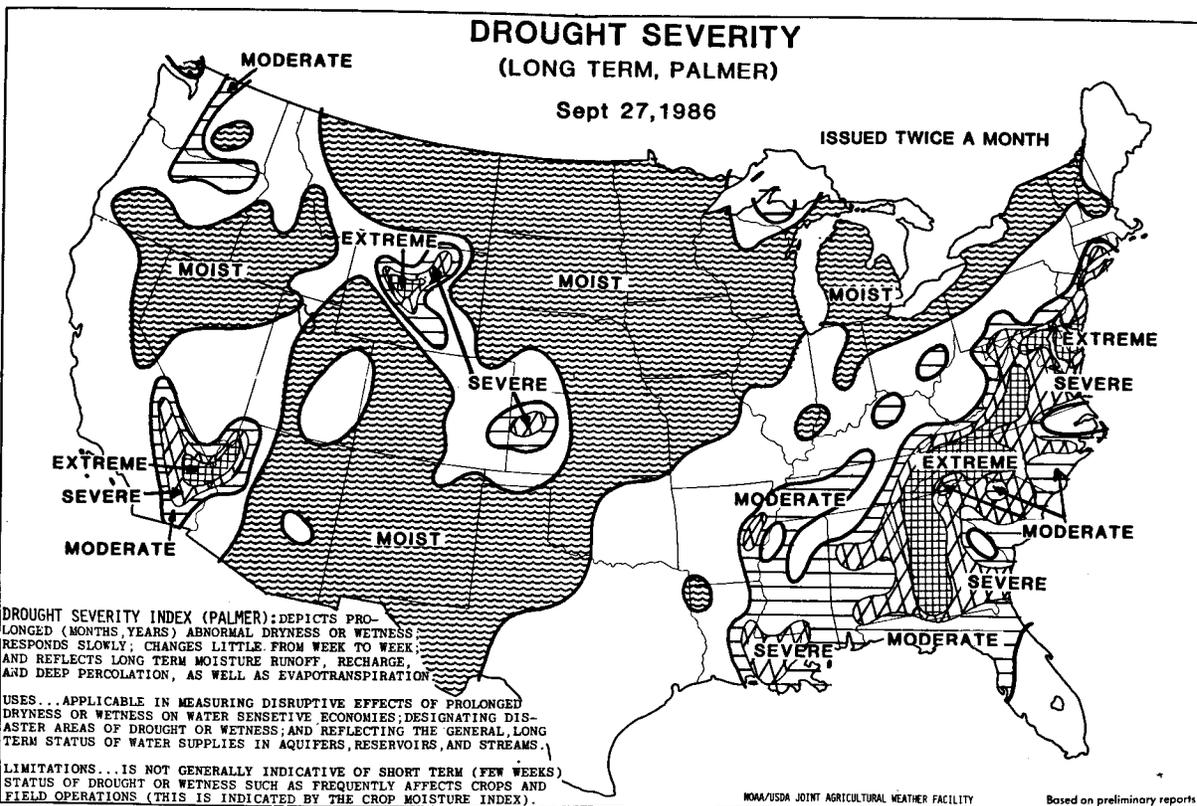
Point values may differ on these computerized maps from the reported values in the tables.

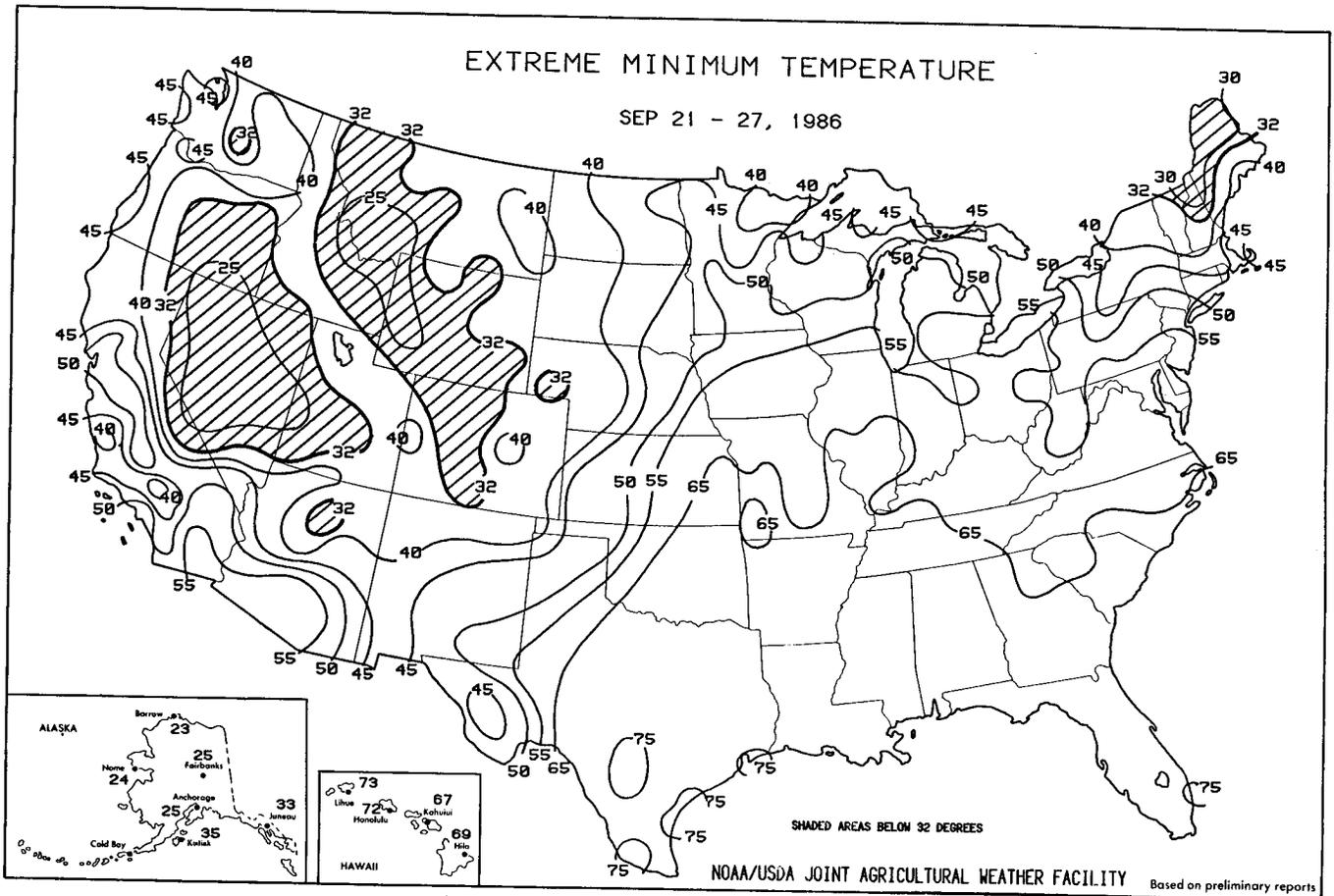
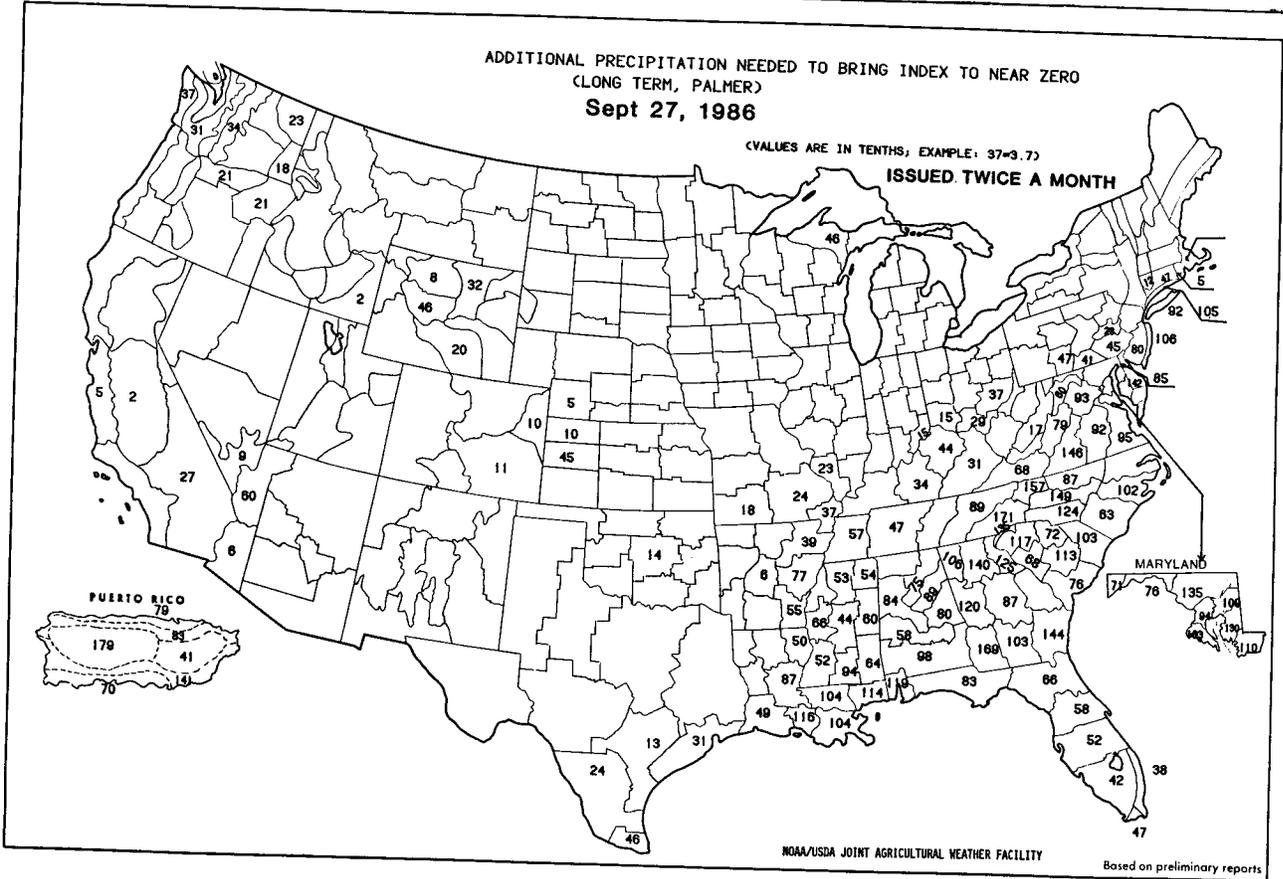


HATCHED AREAS ABOVE NORMAL

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports







# National Weather Data for Selected Cities

## Weather Data for the Week Ending September 27, 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
AL BIRMINGHAM	90	68	92	66	79	7	.1	-.9	.1	2.3	59	23.9	56	96	49	4	0	1	0
MOBILE	90	71	92	69	80	4	.6	-.8	.6	4.2	69	42.1	80	99	54	4	0	1	0
MONTGOMERY	92	68	94	67	80	6	.1	-1.0	.1	4.8	110	35.4	91	100	50	4	7	0	0
AK ANCHORAGE	49	35	56	25	42	-3	.5	0	.3	2.6	117	11.9	108	81	48	0	0	2	4
BARROW	33	27	37	23	30	3	.4	.3	.2	1.5	289	3.5	95	93	69	0	0	6	0
FAIRBANKS	43	29	46	25	36	-4	T	T	T	.6	60	7.2	89	89	49	0	0	5	2
JUNEAU	52	42	56	33	47	-1	1.8	.2	.9	2.4	43	36.7	105	98	74	0	0	0	0
KODIAK	53	42	58	35	48	0	1.1	-.9	1.1	2.1	32	49.5	98	84	53	0	0	0	3
NOME	40	30	43	24	35	-4	1.3	-.9	.8	7.4	343	14.9	127	81	53	0	0	5	3
AZ PHOENIX	83	65	90	57	74	-8	.5	.3	.4	.5	81	5.8	114	68	29	0	1	0	0
PRESCOTT	65	46	76	36	55	-8	1.0	.7	.7	1.8	130	9.9	68	75	40	0	2	0	4
TUCSON	87	60	95	54	73	-5	.3	0	.2	.3	26	9.6	112	65	23	0	2	0	2
YUMA	81	61	88	55	71	-14	.4	.3	.2	.4	168	1.5	83	64	25	0	0	0	0
AR FORT SMITH	91	70	94	67	80	9	0	-.8	0	1.8	62	29.8	99	92	48	5	0	0	0
LITTLE ROCK	89	71	91	70	80	8	T	-.9	T	.9	26	28.4	82	89	58	4	0	0	0
CA BAKERSFIELD	74	53	79	50	63	-12	.1	0	.1	.1	60	4.3	105	77	34	0	0	0	0
EUREKA	63	51	66	42	57	0	1.1	-.9	.5	2.8	360	30.1	128	93	70	0	0	0	4
FRESNO	74	53	81	50	64	-9	.4	.3	.3	.4	292	10.1	140	86	40	0	0	0	3
LOS ANGELES	69	56	72	54	62	-7	1.4	1.4	1.4	1.4	960	14.4	166	93	57	0	0	0	2
REDDING	70	49	84	40	60	-	.6	.6	.4	2.0		2.0	88	40	0	0	0	0	3
SACRAMENTO	73	49	81	45	61	-9	.5	.4	.4	.6	242	16.9	152	95	43	0	0	0	2
SAN DIEGO	69	59	70	58	64	-6	1.0	1.0	.9	1.0	521	8.7	134	90	57	0	0	0	3
SAN FRANCISCO	69	54	73	51	62	-3	.4	.3	.2	.5	336	19.1	150	93	52	0	0	0	3
CO DENVER	71	44	75	32	57	-3	.1	-.2	.1	.4	38	8.9	70	81	33	0	0	1	2
GRAND JUNCTION	64	49	79	43	57	-7	1.1	1.0	.6	1.3	207	5.8	100	80	40	0	0	0	0
PUEBLO	78	47	87	35	63	0	0	-.1	.4	.4	48	8.8	96	68	19	0	0	0	5
CT BRIDGEPORT	71	60	78	49	65	2	.4	-.3	.4	.8	26	22.1	73	92	65	0	0	0	3
HARTFORD	70	51	79	45	61	0	.3	-.5	.2	.7	20	30.5	94	99	63	0	0	0	4
DC WASHINGTON	86	68	93	64	77	8	T	-.7	T	.6	20	20.3	68	95	55	1	0	0	0
FL APALACHICOLA	89	73	91	71	81	3	T	-1.9	T	9.4	117	42.7	95	94	64	1	1	0	0
DAYTONA BEACH	88	69	91	68	78	0	.1	-1.4	.1	3.5	57	36.0	94	99	62	0	0	1	0
JACKSONVILLE	92	69	93	66	81	4	.1	-1.5	.1	2.0	30	34.9	79	98	52	1	6	0	2
KEY WEST	87	78	89	74	83	1	.9	-.6	.3	4.5	77	26.2	90	87	68	0	0	0	4
MIAMI	89	76	91	73	82	1	1.0	-.9	.7	3.9	53	54.6	121	94	61	4	0	0	4
ORLANDO	91	72	93	69	82	2	.1	-1.1	.1	4.5	87	38.9	95	97	46	5	0	0	3
TALLAHASSEE	92	68	94	65	80	4	.7	-.6	.6	4.1	69	53.2	100	99	45	7	0	0	2
TAMPA	92	73	94	70	82	3	.1	-1.1	.1	3.8	66	31.8	80	94	50	7	0	0	1
WEST PALM BEACH	88	75	89	73	81	1	.8	-1.5	.7	4.1	49	44.1	97	90	60	0	0	0	2
GA ATLANTA	89	69	91	67	79	8	.5	-.2	.4	3.7	127	26.1	69	94	49	3	0	0	0
AUGUSTA	94	67	96	66	80	8	0	-.7	0	.6	17	33.6	95	98	42	6	0	0	0
MACON	92	68	94	67	80	7	.1	-.6	.1	5.4	179	25.8	71	97	45	7	0	0	1
SAVANNAH	94	71	96	68	82	8	T	-1.1	T	.3	7	34.2	81	97	45	7	0	0	0
HI HILO	85	71	86	69	78	2	9.6	8.1	7.3	12.3	207	114.9	128	96	68	0	0	0	7
HONOLULU	90	75	92	72	82	2	T	-.2	T	1.2	217	6.4	43	87	53	5	0	0	1
KAHULUI	90	70	90	67	80	2	T	-.1	T	T	0	10.7	78	86	52	4	0	0	0
LIHUE	87	76	88	73	81	2	.1	-.5	.1	.7	36	15.4	55	88	64	0	0	0	2
ID BOISE	61	39	75	35	50	-10	1.6	1.4	.6	2.7	519	12.7	153	95	42	0	0	0	4
LEWISTON	65	47	73	42	55	-5	.1	0	.1	.4	68	8.0	87	77	40	0	0	0	1
POCATELLO	59	35	73	30	47	-9	.2	0	.2	.8	150	10.5	131	95	39	0	4	3	0
IL CHICAGO	81	65	90	60	73	11	3.0	2.3	.9	5.5	179	23.8	89	95	62	1	0	0	4
MOLINE	82	66	89	62	74	12	2.1	1.2	1.4	4.1	120	31.9	105	96	62	0	0	0	2
PEORIA	83	67	89	64	75	12	1.9	1.0	1.1	4.7	143	27.2	97	96	65	0	0	0	5
QUINCY	84	67	89	64	76	11	3.0	2.0	1.5	8.4	221	31.1	103	95	65	0	0	0	5
ROCKFORD	81	63	88	59	72	11	6.6	5.8	3.3	7.9	235	28.1	96	98	67	0	0	0	4
SPRINGFIELD	85	67	91	65	76	11	2.6	1.9	1.0	7.9	288	28.1	104	96	60	1	0	0	5
IN EVANSVILLE	88	69	91	65	79	12	T	-.6	T	3.6	149	29.8	93	95	56	2	0	0	1
FORT WAYNE	81	64	87	53	73	11	2.5	1.9	1.4	4.3	188	35.6	134	99	63	0	0	0	3
INDIANAPOLIS	85	66	89	64	76	12	1.8	1.2	.8	5.4	214	34.1	113	98	59	0	0	0	3
SOUTH BEND	81	64	89	53	73	11	1.8	1.1	.8	3.3	112	27.5	95	97	61	0	0	0	4
IA DES MOINES	81	66	87	61	73	11	.6	-.1	.4	5.0	177	35.3	136	96	63	0	0	0	2
SIoux CITY	78	59	85	52	68	6	1.2	.7	1.1	4.8	210	28.1	129	91	55	0	0	0	2
WATERLOO	80	62	87	55	71	12	1.3	-.5	1.2	4.1	131	30.1	109	97	64	0	0	0	2
KS CONCORDIA	84	62	88	55	73	8	.6	0	.6	3.3	120	31.5	135	90	47	0	0	0	2
DODGE CITY	86	59	91	48	72	6	.1	-.4	0	.6	32	17.1	95	82	32	1	0	0	3
GOODLAND	78	52	85	38	65	4	.3	0	.3	1.2	94	13.1	92	82	34	0	0	0	1
TOPEKA	88	69	89	66	79	13	2.2	1.4	1.2	4.5	145	30.3	111	94	51	0	0	0	3
WICHITA	91	68	94	61	79	12	.6	-.2	.6	1.4	44	23.4	100	91	39	5	0	0	1
KY BOWLING GREEN	88	68	90	64	78	10	.2	-.5	.1	4.5	155	23.5	63	99	56	2	0	0	2
LEXINGTON	84	67	87	63	76	10	.4	-.3	.4	3.1	102	22.9	63	95	61	0	0	0	1
LOUISVILLE	87	69	90	65	78	11	.2	-.5	.2	2.3	77	26.7	79	95	57	1	0	0	3
LA ALEXANDRIA	88	70	92	65	79	4	T	-.6	T	2.6	111	28.9	71	93	61	3	0	0	1
BATON ROUGE	91	72	93	69	82	6	.8	-.1	.4	1.4	33	35.7	81	97	55	6	0	0	3
LAKE CHARLES	90	73	91	70	81	5	2.2	1.0	1.0	6.2	131	35.5	88	98	64	4	0	0	6
NEW ORLEANS	90	73	92	70	81	4	.6	-.7	.3	1.3	24	31.9	67	97	60	4	5	0	3

Based on 1951-80 normals.

Weather Data for the Week Ending September 27, 1986

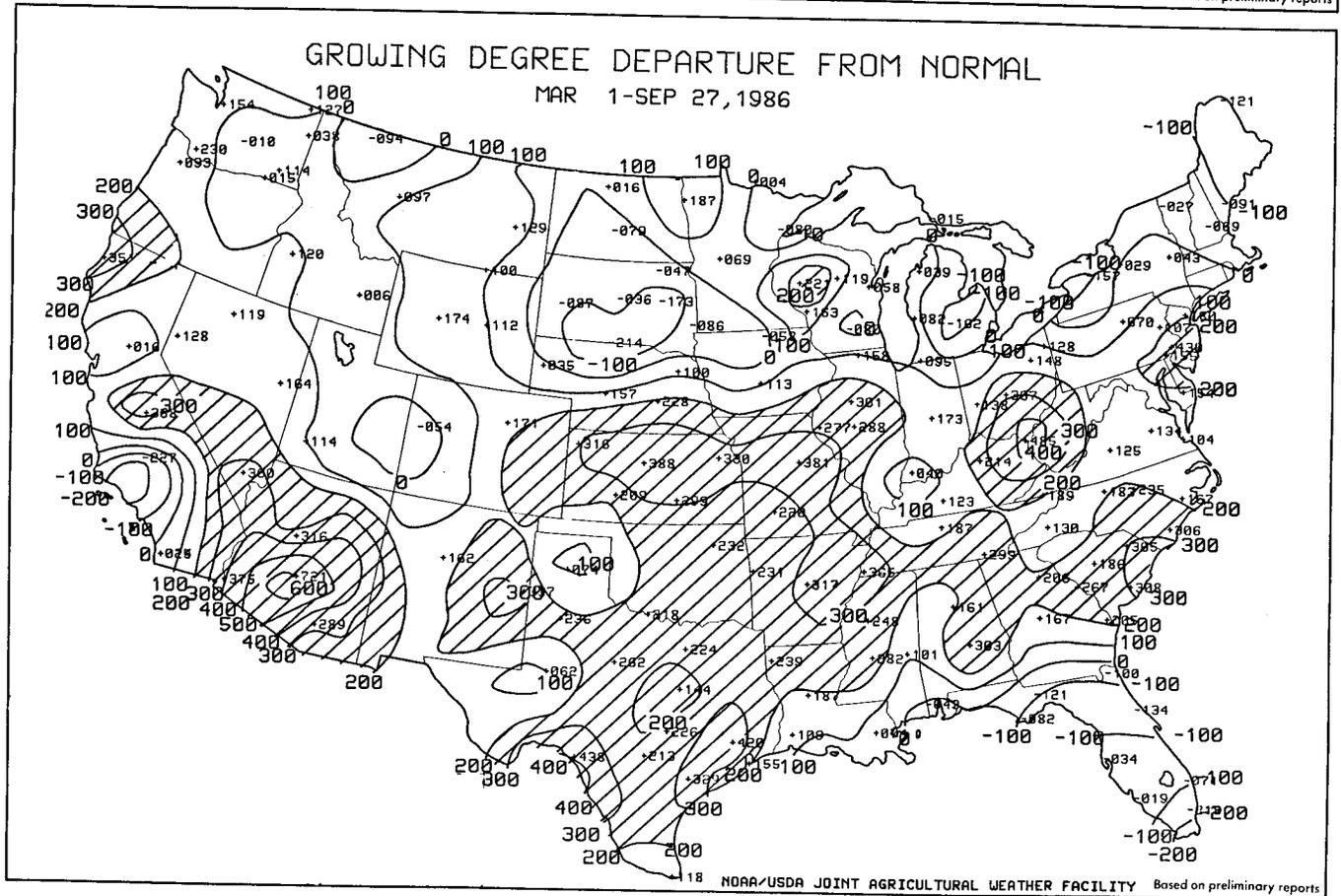
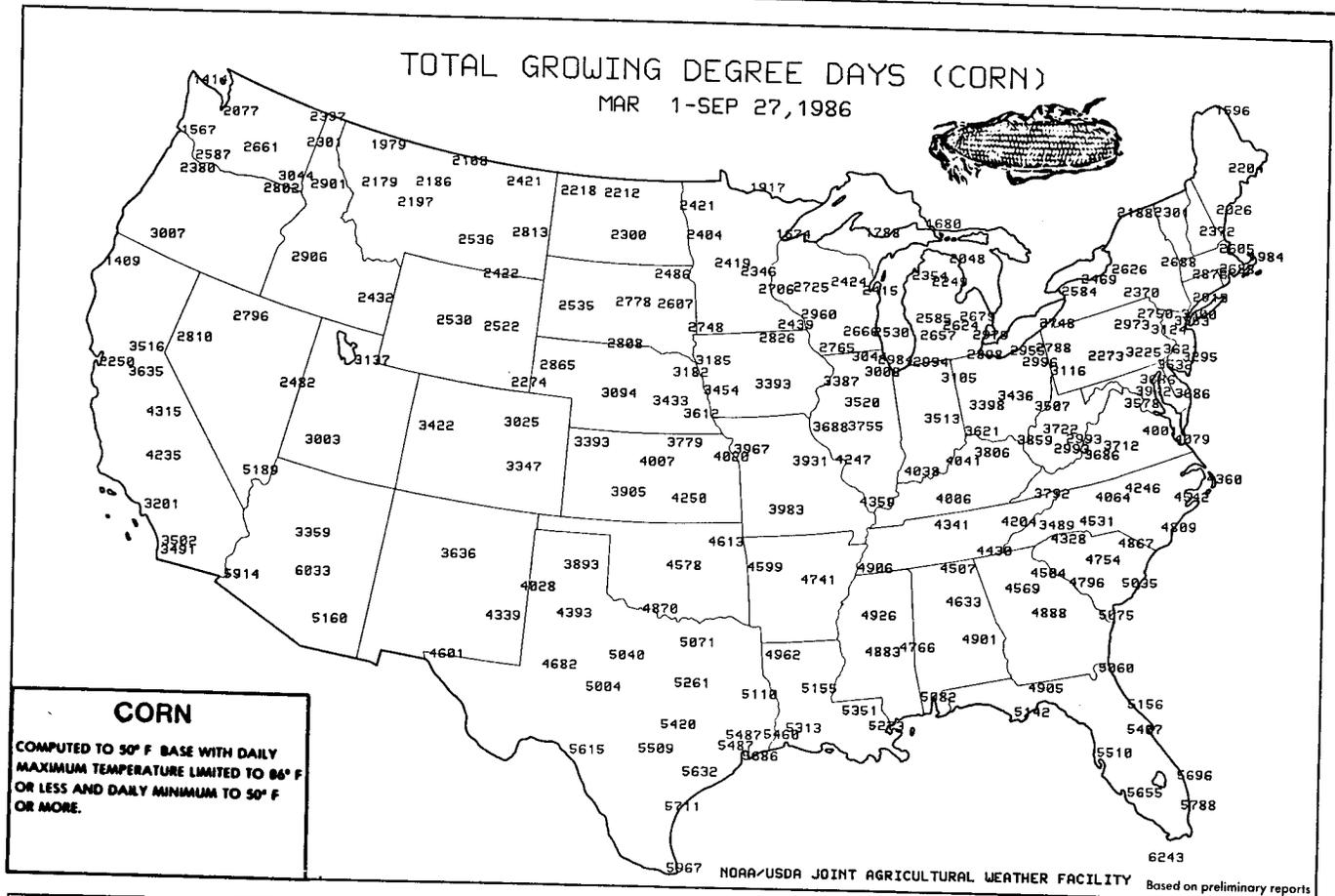
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE 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	91	70	93	66	80	5	1.0	.2	1.0	3.4	115	37.6	113	100	54	4	0	1	1
ME CARIBOU	55	38	62	31	47	-4	.9	.1	.9	2.4	74	26.2	74	100	54	0	0	1	1
PORTLAND	63	45	71	40	54	-2	.7	.1	.5	2.6	90	31.2	104	97	58	0	1	2	1
MD BALTIMORE	85	65	93	62	75	9	1.1	.7	.5	6.6	18	20.3	64	96	54	0	0	1	0
SALISBURY	83	64	91	59	74	8	.1	.8	0	1.6	45	21.7	63	97	62	1	1	2	0
MA BOSTON	66	52	77	47	59	-3	.3	.5	.2	1.1	35	28.7	91	96	72	0	0	2	0
CHATHAM	65	52	72	49	59	-1	.2	.7	.2	1.3	38	34.5	104	93	77	0	0	2	0
MI ALPENA	68	53	78	49	60	6	2.5	1.9	1.2	6.4	237	25.4	113	100	71	0	0	3	3
DETROIT	79	63	86	60	71	10	5.5	5.0	1.9	6.5	318	29.3	123	99	65	0	0	6	5
FLINT	76	60	80	55	68	9	5.0	4.5	2.3	11.4	531	33.6	149	98	72	0	0	6	3
GRAND RAPIDS	77	60	84	56	69	9	3.6	2.9	1.5	10.6	374	41.6	162	98	68	0	0	6	3
HOUGHTON LAKE	69	56	74	51	63	8	1.4	.8	.6	7.5	297	28.8	135	99	71	0	0	5	3
LANSING	78	60	84	56	69	10	3.2	2.6	1.1	5.9	253	29.9	132	99	68	0	0	5	3
MARQUETTE	67	49	75	43	58	7	.6	.4	.3	2.5	69	23.9	85	99	68	0	0	5	3
MUSKOGON	74	60	81	53	67	8	1.5	.8	.4	10.2	386	27.5	120	97	70	0	0	6	3
SAULT STE. MARIE	63	47	71	41	55	3	.4	.5	.2	5.2	147	29.8	122	99	67	0	0	6	0
MN ALEXANDRIA	71	53	78	50	62	7	1.6	1.1	1.2	4.2	202	32.0	156	97	49	0	0	4	1
DULUTH	67	50	74	46	58	7	1.1	.4	.7	6.3	209	33.2	137	97	65	0	0	4	1
INT'L FALLS	66	49	77	41	57	7	.4	.3	.3	2.0	68	15.6	78	97	57	0	0	4	0
MINNEAPOLIS	75	55	85	50	65	7	2.7	2.2	2.1	6.9	300	33.9	153	100	58	0	0	4	2
ROCHESTER	75	57	85	50	66	10	2.5	1.8	1.4	10.3	368	35.1	148	99	67	0	0	4	2
MS GREENWOOD	92	72	94	69	82	9	1.1	.7	1.4	1.9	64	22.0	55	96	46	5	0	5	2
JACKSON	92	69	95	68	81	7	1.1	.8	1.4	2.5	76	30.5	76	99	47	6	0	5	2
MERIDIAN	91	68	93	66	80	8	.4	.4	.4	2.5	78	30.1	73	98	48	7	0	0	0
MO CAPE GIRARDEAU	89	71	93	69	80	7	1.1	.7	.7	2.5	78	30.1	73	98	48	6	0	1	0
COLUMBIA	84	67	87	64	76	10	.3	.6	.3	.9	27	31.0	90	92	51	4	0	1	0
KANSAS CITY	86	69	89	64	77	12	5.9	5.0	2.1	8.1	248	29.8	105	94	64	4	0	4	4
SAINT LOUIS	87	70	90	66	78	11	4.2	3.2	2.0	8.0	213	31.3	109	95	59	1	1	4	3
MT BILLINGS	85	68	88	66	76	10	1.7	1.1	1.0	4.5	185	23.4	88	92	57	0	0	4	1
GLASGOW	64	42	75	35	53	-3	.8	.6	.5	5.0	130	25.3	83	96	63	0	0	5	1
GREAT FALLS	66	42	76	39	54	0	1.1	1.0	.7	3.8	459	11.8	102	76	23	0	0	1	0
HAVRE	61	42	70	37	52	-3	.1	.1	1.5	1.5	162	12.3	96	88	41	0	0	2	1
HELENA	62	40	71	37	51	-3	2.7	2.4	2.0	5.0	162	12.3	96	79	32	0	0	2	0
KALISPELL	60	35	72	29	48	-5	2.7	2.4	2.0	5.0	162	12.3	96	79	32	0	0	2	0
MILES CITY	56	39	63	31	48	-3	.4	.2	.3	2.4	331	11.2	118	93	35	0	2	2	0
MISSOULA	69	44	75	40	57	0	.9	.7	.6	3.9	389	15.3	129	89	33	0	2	2	0
NE GRAND ISLAND	58	38	70	29	48	-5	.1	.1	.1	3.2	346	14.2	138	96	47	0	2	2	1
LINCOLN	79	57	87	48	68	7	1.1	.7	.6	3.2	139	20.6	100	88	48	0	0	2	0
NORFOLK	81	62	88	54	71	9	.5	.4	.5	4.1	151	30.4	130	91	52	0	0	2	0
NORTH PLATTE	77	49	83	35	63	4	1.6	1.1	1.5	3.6	187	27.3	131	87	49	0	0	2	1
OMAHA	79	64	87	58	71	10	1.1	.3	.1	1.0	67	14.9	86	91	38	0	0	2	0
SCOTTSDRUFF	72	48	80	33	60	1	1.5	.8	.9	5.8	189	29.9	117	95	61	0	0	3	1
VALENTINE	75	50	80	40	63	4	.6	.4	.3	1.6	164	18.9	149	84	36	0	0	3	0
NV ELY	57	28	67	23	42	-12	1.3	1.2	.7	1.4	220	7.0	112	80	39	0	0	1	0
LAS VEGAS	75	54	84	48	64	-13	.1	0	0	1.7	13	17.2	112	80	39	0	0	1	0
RENO	62	35	73	32	49	-9	.3	.2	.2	.3	104	8.7	164	87	29	0	7	4	0
WINNEMUCCA	62	33	74	21	47	-9	.7	.6	.3	.8	286	4.6	82	83	28	0	3	3	0
NH CONCORD	65	46	73	39	55	-1	.9	.2	.2	2.3	80	29.7	114	99	63	0	4	3	0
NJ ATLANTIC CITY	78	63	88	58	71	7	1.6	1.1	.7	2.4	91	27.0	86	98	69	0	0	2	1
NM ALBUQUERQUE	74	50	84	42	62	-4	.3	.2	.2	2.4	91	27.0	86	98	69	0	0	4	2
CLOVIS	83	56	87	48	69	3	.1	.1	.1	.5	67	9.8	156	75	25	0	0	2	0
ROSWELL	85	56	90	49	71	1	.1	.1	.1	1.6	96	13.5	95	68	26	0	0	2	0
NY ALBANY	70	50	78	43	60	2	1.2	.7	.7	3.5	224	15.4	193	85	30	1	1	2	0
BINGHAMTON	70	56	82	49	63	6	1.4	.7	1.1	2.3	78	33.0	125	97	61	0	0	3	1
BUFFALO	70	57	77	53	63	4	1.7	.9	.8	3.1	102	33.5	122	94	73	0	0	4	2
NEW YORK	77	62	84	57	70	4	.6	.1	.5	2.1	69	26.4	97	98	74	0	0	3	1
ROCHESTER	69	53	75	48	61	1	1.3	.7	1.1	2.8	114	24.9	107	98	72	0	0	3	0
SYRACUSE	70	52	77	44	61	2	2.3	1.5	1.5	3.8	125	30.7	106	99	66	0	0	3	2
NC ASHEVILLE	83	60	85	55	71	7	1.5	.9	1.5	3.2	88	20.9	56	100	52	0	0	3	2
CHARLOTTE	90	68	92	67	79	9	0	0	0	.9	26	16.8	50	95	45	0	0	0	0
GREENSBORO	87	65	93	62	76	9	0	0	0	1.0	31	19.4	59	100	54	4	0	0	0
HATTERAS	86	72	91	67	79	7	1.3	.7	1.1	1.1	2	35.8	87	97	62	3	0	0	0
NEW BERN	89	69	94	62	79	7	.7	.5	.7	1.0	18	35.9	85	99	52	2	0	0	0
RALEIGH	88	66	92	62	77	9	1.1	.7	1.1	1.0	32	29.8	91	98	52	4	0	1	1
WILMINGTON	90	71	95	67	81	8	1.1	.7	1.1	1.0	32	29.8	91	98	52	3	0	1	0
ND BISMARK	70	45	75	36	58	3	.7	.4	.5	4.0	321	21.4	160	97	46	4	0	1	0
FARGO	71	52	77	44	62	7	.4	0	.3	3.5	205	21.6	129	95	57	0	0	3	0
GRAND FORKS	67	49	77	45	60	7	1.0	.6	.5	2.1	112	13.4	86	95	51	0	0	2	1
WILLISTON	71	40	76	35	53	0	1.0	.7	.7	3.3	262	19.9	167	96	45	0	0	3	1
OH AKRON-CANTON	79	63	86	57	71	10	1.5	.9	.4	3.2	117	21.7	77	97	65	0	0	5	0
CINCINNATI	83	66	87	58	75	10	1.5	.9	.8	3.6	135	24.2	78	95	63	0	0	3	1
CLEVELAND	80	63	87	58	72	10	2.5	1.9	1.3	4.0	151	29.6	109	96	64	0	0	6	2
COLUMBUS	84	66	89	61	75	12	1.1	.6	.8	3.4	135	25.1	85	95	57	0	0	3	1

Based on 1951-80 normals.

Weather Data for the Week Ending September 27, 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
DAYTON	83	65	87	55	74	10	.5	0	.3	2.6	121	30.2	111	95	61	0	0	3	0
TOLEDO	80	63	88	60	72	11	2.1	1.6	1.2	4.4	191	30.1	122	100	67	0	0	6	7
YOUNGSTOWN	79	61	87	55	70	10	3.9	3.2	1.2	5.7	203	36.7	127	100	70	0	0	0	4
OK OKLAHOMA CITY	88	70	90	68	79	8	1.5	.6	1.4	4.7	152	26.5	106	93	56	1	1	1	1
TULSA	86	71	90	68	79	8	1.4	.3	1.4	3.1	79	28.1	92	90	60	0	0	1	1
OR ASTORIA	61	46	64	41	54	-4	2.0	1.2	1.0	3.4	127	39.1	94	96	70	0	0	5	5
BURNS	56	31	65	27	43	-13	.7	.3	1.8	3.2	320	9.3	182	96	52	0	0	6	3
MEDFORD	61	44	77	40	53	-10	1.2	.9	.7	2.3	355	12.5	107	96	52	0	0	4	1
PENDLETON	62	45	71	41	53	-8	.3	.2	.2	.9	181	8.4	104	81	44	0	0	0	0
PORTLAND	62	51	69	49	57	-4	2.5	2.1	1.4	3.9	276	22.1	98	96	58	0	0	5	2
SALEM	62	46	69	40	54	-6	1.4	1.0	.5	2.5	182	25.0	104	96	67	0	0	5	5
PA ALLENTOWN	75	60	85	54	68	6	1.3	.5	.6	3.1	83	30.6	91	98	67	0	0	4	2
ERIE	73	61	80	57	67	8	5.1	4.2	3.9	6.5	184	33.7	117	98	76	0	0	4	3
HARRISBURG	77	60	89	54	68	4	.1	-.7	.1	1.7	50	30.9	104	99	65	0	0	0	0
PHILADELPHIA	79	63	88	56	71	6	1.6	.9	.9	2.2	71	25.9	82	98	64	0	0	4	1
PITTSBURGH	78	63	85	55	71	10	1.2	.6	-.7	2.1	82	26.9	94	91	60	0	0	6	1
SCRANTON	71	57	80	51	64	4	2.0	1.3	1.1	2.8	92	35.4	134	99	72	0	0	3	2
RI PROVIDENCE	70	52	80	44	61	0	.2	-.6	-.1	.9	29	29.7	91	98	63	0	0	3	0
SC CHARLESTON	91	72	94	70	82	8	T	T	T	4.5	99	36.0	84	100	50	5	0	1	0
COLUMBIA	93	67	95	64	80	8	0	T	T	.6	14	19.5	49	97	41	7	0	0	0
FLORENCE	93	70	96	68	81	9	T	T	T	.5	13	19.9	55	96	42	5	0	0	0
GREENVILLE	90	65	93	62	78	8	0	T	T	2.6	65	23.7	60	98	47	4	0	0	0
SD ABERDEEN	72	50	79	41	61	5	.3	-.1	.2	2.8	202	24.8	159	98	54	0	0	2	0
HURON	74	54	83	44	64	6	.1	-.1	.1	4.0	329	26.4	166	93	54	0	0	2	0
RAPID CITY	69	46	79	37	58	0	.5	.2	.4	3.1	329	18.4	128	85	44	0	0	2	0
SIoux FALLS	74	54	80	46	64	6	.5	-.1	-.4	9.3	361	28.4	137	92	57	0	0	2	0
TN CHATTANOOGA	89	67	90	66	78	8	.4	-.6	-.4	5.8	148	23.3	58	100	56	3	0	1	0
KNOXVILLE	87	64	90	59	76	7	.2	-.6	-.2	3.4	125	20.6	57	97	53	1	0	1	0
MEMPHIS	91	73	94	71	82	10	T	T	T	1.2	36	22.4	56	93	49	6	0	1	0
NASHVILLE	89	69	91	68	79	9	T	T	T	2.2	64	18.6	50	92	53	2	0	0	0
TX ABILENE	90	71	93	70	81	7	T	T	T	1.3	46	18.7	101	86	42	5	0	0	0
AMARILLO	83	56	86	48	70	2	.5	.2	.5	1.0	66	20.4	124	89	38	0	0	2	0
AUSTIN	91	75	93	74	83	6	.6	-.4	-.2	4.8	148	19.4	83	98	54	5	0	4	0
BEAUMONT	89	75	91	73	82	5	T	T	T	2.8	49	37.7	95	95	62	4	0	3	0
BROWNSVILLE	94	77	95	74	86	5	T	T	T	1.7	35	13.0	69	90	48	7	0	0	0
CORPUS CHRISTI	92	75	93	74	84	4	T	T	T	1.8	32	18.8	80	93	54	7	0	2	0
DEL RIO	90	74	93	72	82	4	0	-.7	0	3.7	150	16.9	127	80	47	3	0	0	0
EL PASO	84	58	92	48	71	-1	.6	.3	.5	.8	65	9.1	144	85	27	1	0	3	1
FORT WORTH	92	74	94	72	83	7	T	T	T	4.1	137	24.4	105	89	46	6	0	0	0
GALVESTON	88	79	89	77	84	5	.4	-.9	.3	2.0	37	17.4	57	79	59	0	0	2	0
HOUSTON	90	74	91	72	82	5	T	T	T	3.5	78	25.5	76	93	56	5	0	2	0
LUBBOCK	86	60	88	54	73	4	2.6	2.2	2.6	6.7	361	20.4	139	95	45	0	0	3	1
MIDLAND	88	64	90	60	76	4	0	-.5	0	6.6	350	19.4	176	91	37	2	0	0	0
SAN ANGELO	90	72	92	69	81	7	0	-.7	0	7.5	273	22.8	161	83	43	0	0	0	0
SAN ANTONIO	93	76	95	75	85	7	T	T	T	2.6	78	27.0	122	92	43	7	0	0	0
VICTORIA	91	75	93	74	83	5	.1	-.4	.1	3.5	62	25.3	88	97	54	6	0	2	0
WACO	95	76	97	74	85	9	0	-.8	0	3.8	134	23.5	100	92	44	7	0	0	0
WICHITA FALLS	91	73	93	72	82	9	.1	-.8	-.1	6.3	203	25.7	121	90	50	6	0	1	0
UT BLANDING	60	43	73	34	51	-9	2.0	1.8	.7	2.6	332	12.2	153	93	53	0	0	5	2
CEDAR CITY	59	37	70	30	48	-13	1.2	1.0	.8	1.2	148	9.2	118	82	41	0	1	5	1
SALT LAKE CITY	61	42	70	39	52	-10	1.5	1.3	1.0	2.6	326	17.6	153	90	43	0	0	5	1
VT BURLINGTON	65	45	74	37	55	-1	.7	0	.7	2.8	96	31.3	123	98	57	0	0	2	1
VA NORFOLK	86	68	93	62	77	8	0	-1.0	0	.3	7	19.8	56	95	56	2	0	0	0
RICHMOND	88	67	94	63	78	10	.1	-.7	.1	.6	19	26.5	80	97	51	2	0	1	0
ROANOKE	85	65	90	60	75	10	.1	-.6	.1	3.0	108	21.8	73	94	54	1	0	1	0
WA COLVILLE	59	40	66	34	49	-6	1.8	1.6	.9	2.5	313	17.4	147	93	56	0	0	5	1
QUILLAYUTE	59	46	62	42	53	-3	2.7	1.2	2.5	3.0	66	68.2	108	98	67	0	0	3	1
SEATTLE-TACOMA	61	48	63	42	54	-4	1.0	.5	.5	1.7	96	22.3	97	95	63	0	0	4	1
SPOKANE	59	42	66	40	50	-6	.7	.5	.4	1.2	195	11.3	103	96	48	0	0	5	0
YAKIMA	63	37	71	32	50	-8	.4	.3	.3	2.2	720	7.5	144	97	48	0	1	3	0
WV BECKLEY	78	60	82	54	69	8	1.5	.8	.8	3.8	122	28.1	84	97	63	0	0	4	2
CHARLESTON	83	65	87	58	74	9	1.9	1.2	.9	3.5	127	32.7	98	100	63	0	0	4	2
HUNTINGTON	85	66	88	61	76	10	1.8	1.2	1.4	3.8	134	27.3	85	97	58	0	0	3	1
PARKERSBURG	82	64	88	56	73	9	3.1	2.5	1.5	4.2	161	27.4	82	100	67	0	0	5	2
WI GREEN BAY	76	57	82	48	66	10	2.0	1.3	.7	6.7	230	26.8	119	100	67	0	0	5	2
LA CROSSE	78	60	88	52	69	10	2.7	2.0	1.5	6.9	216	26.1	103	97	56	0	0	4	2
MADISON	77	61	84	54	69	12	2.0	1.4	1.1	4.9	174	26.3	105	100	69	0	0	4	2
MILWAUKEE	76	63	85	58	69	10	2.2	1.5	1.0	6.4	244	36.8	151	97	71	0	0	6	2
WAUSAU	73	55	80	46	64	9	4.4	3.6	2.6	8.7	245	25.8	99	99	63	0	0	6	3
WY CASPER	63	41	72	36	52	-4	.6	.4	.6	1.3	196	11.7	126	79	34	0	0	2	1
CHEYENNE	64	44	67	35	54	-1	.4	.2	.4	2.3	238	11.7	101	81	37	0	0	2	0
LANDER	64	38	74	30	51	-4	T	T	T	.4	59	8.0	75	60	21	0	2	2	0
SHERIDAN	64	37	72	30	50	-4	.2	0	.2	1.7	163	12.1	100	87	37	0	1	1	0
PR SAN JUAN	88	76	90	74	82	0	.9	-.5	-.4	1.2	23	35.8	96	95	64	1	0	7	0

Based on 1951-80 normals.



## National Agricultural Summary

September 22 to 28, 1986

**HIGHLIGHTS:** Heavy rain delayed row crop harvest and winter wheat seeding in the Corn Belt, the central and northern Great Plains, and in some Rocky Mountain States. Warmer weather hastened crop maturity across the eastern half of the Nation. Fieldwork averaged 5 to 6 days except in the Corn Belt, the northern and central Plains, and some Rocky Mountain States, which averaged less than 4 days. Fieldwork averaged less than 2 days in Michigan, Wisconsin, Minnesota, Iowa, South Dakota, and Montana. The lack of moisture increased in the Southeast and in the Delta. Soil moisture was adequate to surplus in most other areas.

Spring wheat harvest trailed 4 points behind normal at 94 percent (%) completion. Despite rain, harvest progress was 4 percentage points greater than the previous week. Winter wheat was 51% seeded and 29% emerged. Forty-two percent would normally be seeded and 23% emerged. Corn harvest was limited to 14% completion, up 3 points from the previous week and 1 point ahead of normal. Excess moisture caused stalk rot in some Corn Belt States. Warmer temperatures pushed maturity to 81% completion, 11 points ahead of the previous week. Soybeans were 8% harvested, slightly behind normal. Soybeans dropping leaves increased 19 points with 67% of the acreage losing foliage. Additional rain is needed to help late planted soybeans fill pods in the Delta. Cotton harvest gained momentum, ending the week 19% finished and 6 points above normal. Sixty percent of the acreage reached the boll opening stage compared with 66% average. Sorghum harvest advanced to 36% completion, equaling the average. Rain slowed harvest in the central Plains. Peanut harvest gained momentum but lagged considerably behind normal in the Southeast. Flue-cured tobacco harvest was still underway in North Carolina and Virginia. Burley harvest neared completion in most States. Livestock was mostly good. Flooding caused some loss in Montana.

**SMALL GRAINS:** Rain continued delaying spring wheat harvest across the northern Plains and the northern Rocky Mountain States. Harvest inched 4 points closer to completion and ended the week 94% finished. This compares with 95% harvested last year and 98% normally.

Winter wheat seeding advanced to 51% completion, 11 points ahead of 1985 and 9 points above the average. Seeding was ahead of normal in 10 of the 20 major producing States. Seeding increased 17 points from the previous week, despite rain in the Corn Belt, the northern and central Plains, and northern Rocky Mountain States. Kansas producers seeded 70% of their acreage compared with 45% average. Heavy rain caused reseeded in western and southern Kansas. In Nebraska, winter wheat was 85% seeded, a 25 point surge from the previous week and 5 points above the average. The seeding progress was unchanged from the previous week in Montana. Moisture and warmer temperature promoted emergence with 29% of the crop out of the ground compared with 23% average.

**CORN:** In the 17 major producing States, corn was 81% mature and 14% harvested. Seventy-nine percent would be mature and 13% harvested. Rain hampered harvest across much of the Corn Belt, the Rocky Mountain States, and in the northern Plains. Excess moisture caused stalk rot in some Corn Belt States.

**SOYBEANS:** Soybeans dropping leaves increased rapidly to 67% completion, 5 points ahead of last year and average. Harvest was 14% finished

compared with 12% last year and 13% average. Wetness slowed harvest in most Corn Belt States. Harvest had not begun in Georgia, South Carolina, South Dakota, North Carolina, and Tennessee and was beginning in Iowa, Michigan, and Minnesota. Harvest was 14 points behind normal in Iowa and South Dakota.

**COTTON:** In the 14 major producing States, bolls were opening on 60% of the acreage, down 10 points from last year and 6 points below normal. Bolls were opening 10, 14, and 21 points slower than normal in Oklahoma, Missouri, and Texas, respectively. Cotton was 19% harvested, 6 points ahead of normal and slightly ahead of 1985. In Arkansas, cotton gins operated at full capacity. Adverse weather slowed cotton harvest in Texas and affected quality. Cotton defoliation was active in California. Producers applied growth regulators for even boll opening. Rain slowed defoliation and harvest in Arizona.

**SORGHUM:** Sorghum was mature on 68% of the acreage and 59% would be mature normally. Harvest equaled the normal pace at 36% finished. Harvest was ahead of or equaled normal in all States except Missouri, Nebraska, South Dakota, and Texas.

**OTHER CROPS:** Rice was 76% harvested compared with 59% average. Harvest was finished in Texas and neared completion in Louisiana and Mississippi. In Arkansas, harvest was 30 points greater than normal at 82% completion. Harvest was slightly behind normal in California.

Peanut harvest trailed the average pace in all States except Mississippi and Texas. Alabama's peanut harvest reached 26% completion, compared with 64% average. Harvest was 22% finished in Georgia, 37 points below average. Seventeen percent of North Carolina's acreage was dug while 12% of Virginia's acreage was dug.

Burley tobacco harvest was winding down in most States. Flue-cured tobacco was still being harvested in North Carolina and Virginia.

**FRUIT AND NUTS:** Florida citrus groves were good. Growers increased irrigation to prevent fruit softening. The new crop white and colored grapefruit harvest increased. Pecan harvest was underway in Texas. Shucks began opening in the Trans-Pecos area. Lemons and grapefruit were picked in central and western Arizona. California raisin grape harvest was declining with 8 to 10% of the crop exposed to rain. However, damage was minimal. Table grape harvest was active. Poor demand slowed desert lemon harvest. Navel oranges sized well, and Valencia orange harvest continued. Almond and summer grapefruit harvests were mostly complete. Red delicious apple harvest progressed well in Oregon. Rain delayed fruit harvest in the Hood River Valley. Rain slowed Washington's fruit harvest.

**VEGETABLES:** Maine potatoes were 30% dug compared with 55% normally. In Idaho, producers turned their attention to potato harvest now that small grain harvest is almost finished. Hollow heart problems still existed. Fall vegetable harvest continued in the northern producing areas. Eggplant, cucumbers, squash, and sweet corn were harvested in Florida. Fall vegetable planting continued in the Rio Grande Valley and in east Texas. High temperatures slowed fruit set in some areas. Lettuce, cauliflower, broccoli, and mixed vegetables were planted in central and western Arizona. Planting and harvesting continued in California.

(Continued from p. 11)

**CROP PROGRESS**

FOR WEEK ENDING SEPTEMBER 28, 1986

**GRAIN SORGHUM  
% COLORING**

	1986	1985	AVG.
ARK	99	NA	NA
ILL	95	NA	NA
KANS	95	80	80
LA	100	100	100
MISS	100	NA	NA
MO	94	91	89
NEBR	100	90	96
OKLA	99	100	97
S DAK	89	79	93
TENN	100	100	NA
TEX	91	95	94

11 STATES 95 NA NA

EXCL. STATES WITH NA 95 89 89

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

**GRAIN SORGHUM  
% MATURE**

	1986	1985	AVG.
ARK	94	NA	NA
ILL	80	NA	NA
KANS	55	35	40
LA	100	99	97
MISS	100	NA	NA
MO	77	74	74
NEBR	85	50	50
OKLA	75	80	60
S DAK	42	40	61
TENN	90	90	NA
TEX	71	82	76
11 STATES	72	NA	NA

EXCL. STATES WITH NA 68 59 59

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

**GRAIN SORGHUM  
% HARVESTED**

	1986	1985	AVG.
ARK	87	78	75
ILL	16	13	14
KANS	10	4	10
LA	98	93	90
MISS	96	81	65
MO	31	26	33
NEBR	4	1	5
OKLA	10	25	15
S DAK	2	1	9
TENN	65	55	NA
TEX	60	65	67

11 STATES 37 34 NA

EXCL. STATES WITH NA 36 34 36

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

**RICE  
% HARVESTED**

	1986	1985	AVG.
ARK	82	61	52
CALIF	8	5	9
LA	98	88	90
MISS	95	92	57
TEX	100	94	99

5 STATES 76 64 59

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

**COTTON  
% BOLLS OPENING**

	1986	1985	AVG.
ALA	85	92	81
ARIZ	93	93	93
ARK	91	91	87
CALIF	95	95	81
GA	66	78	68
LA	98	96	86
MISS	100	98	94
MO	76	74	90
N MEX	95	75	87
N C	96	98	95
OKLA	35	70	45
S C	90	91	86
TENN	91	95	85
TEX	26	46	47

14 STATES 60 70 66

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

**COTTON  
% HARVESTED**

	1986	1985	AVG.
ALA	10	20	14
ARIZ	5	3	3
ARK	27	25	18
CALIF	0	0	0
GA	9	13	10
LA	49	44	21
MISS	54	33	18
MO	26	8	19
N MEX	1	1	4
N C	4	6	10
OKLA	1	5	2
S C	11	22	12
TENN	25	20	12
TEX	16	17	15

14 STATES 19 17 13

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

**WINTER WHEAT  
% PLANTED**

	1986	1985	AVG.
ARK	3	4	6
CALIF	0	0	0
COLO	85	89	88
GA	6	3	3
IDAHO	53	47	50
ILL	9	7	8
IND	10	10	15
KANS	70	40	45
MICH	5	10	15
MO	10	10	11
MONT	20	48	52
NEBR	85	75	80
N MEX	65	NA	NA
N C	3	2	4
OHIO	7	14	13
OKLA	50	35	30
OREG	19	13	24
S DAK	66	83	90
TEX	47	28	33
WASH	63	62	58

20 STATES 51 NA NA

EXCL. STATES WITH NA 51 40 42

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

**WINTER WHEAT  
% EMERGED**

	1986	1985	AVG.
ARK	0	0	NA
CALIF	0	0	0
COLO	56	61	60
GA	3	NA	NA
IDAHO	18	13	22
ILL	3	1	1
IND	5	4	5
KANS	35	15	NA
MICH	3	NA	NA
MO	3	0	2
MONT	11	29	22
NEBR	65	45	50
N MEX	55	NA	NA
N C	0	NA	NA
OHIO	0	0	0
OKLA	20	10	10
OREG	7	2	6
S DAK	64	52	62
TEX	26	5	9
WASH	46	41	42

20 STATES 29 NA NA

EXCL. STATES WITH NA 29 22 23

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

**SPRING WHEAT  
% HARVESTED**

	1986	1985	AVG.
IDAHO	97	100	96
MINN	95	91	97
MONT	94	98	99
N DAK	90	93	98
S DAK	100	100	100

5 STATES 94 95 98

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

SOYBEANS % DROPPING LEAVES			
	1986	1985	AVG.
ALA	33	35	34
ARK	22	19	19
GA	28	38	28
ILL	90	76	77
IND	90	85	80
IOWA	78	87	81
KANS	80	55	60
KY	51	33	37
LA	38	38	39
MICH	60	85	85
MINN	78	83	92
MISS	68	39	53
MO	61	47	48
NEBR	75	60	60
N C	8	11	11
OHIO	90	83	77
S C	14	12	14
S DAK	71	65	85
TENN	40	45	35
19 STATES	67	62	62

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

SOYBEANS % HARVESTED			
	1986	1985	AVG.
ALA	4	5	5
ARK	3	6	3
GA	0	2	1
ILL	24	17	20
IND	15	10	15
IOWA	1	5	15
KANS	10	3	5
KY	5	2	3
LA	8	9	8
MICH	1	0	2
MINN	1	1	8
MISS	12	4	4
MO	7	3	7
NEBR	3	2	9
N C	0	0	0
OHIO	15	14	14
S C	0	0	0
S DAK	0	0	14
TENN	0	0	0
19 STATES	8	7	10

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

CORN % MATURE			
	1986	1985	AVG.
COLO	69	66	61
GA	100	100	100
ILL	99	91	91
IND	95	85	80
IOWA	94	92	87
KANS	95	85	80
KY	94	86	82
MICH	35	70	75
MINN	41	62	69
MO	98	97	86
NEBR	90	80	65
N C	100	100	99
OHIO	86	95	77
PA	47	36	36
S DAK	66	63	85
TEX	96	98	NA
WIS	49	50	72
17 STATES	81	81	NA
EXCL. STATES WITH NA	81	81	79
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.			

CORN % HARVESTED			
	1986	1985	AVG.
COLO	1	4	5
GA	92	90	85
ILL	22	11	12
IND	13	8	7
IOWA	4	6	11
KANS	40	25	25
KY	37	29	23
MICH	1	5	4
MINN	0	0	3
MO	33	26	29
NEBR	6	4	5
N C	64	66	65
OHIO	12	10	8
PA	8	7	2
S DAK	0	0	5
TEX	80	78	75
WIS	1	1	1
17 STATES	14	12	13

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

Crop Conditions (Percentage)  
For Week Ending September 28, 1986

For Information Call: (202) 447-7310

SOYBEANS						
STATE	VP	P	F	G	EX	
ALA	0	37	46	17	0	
ARK	9	13	61	17	0	
GA	7	23	61	9	0	
IND	0	2	27	69	2	
IOWA	0	1	9	69	21	
KANS	0	1	0	28	71	
KY	0	1	40	55	4	
LA	0	8	81	11	0	
MICH	2	8	30	45	15	
MINN	2	2	38	50	8	
MISS	16	50	28	6	0	
MO	2	3	37	55	3	
NEBR	0	0	13	50	37	
N C	1	9	65	25	0	
OHIO	0	0	17	79	4	
S C	11	17	55	17	0	
S DAK	0	4	16	67	13	
TENN	4	27	59	10	0	

COTTON						
STATE	VP	P	F	G	EX	
ALA	0	34	55	11	0	
ARIZ	0	0	0	85	15	
ARK	4	4	37	55	0	
CALIF	0	0	5	90	5	
GA	10	29	54	7	0	
LA	0	20	52	28	0	
MISS	10	28	50	12	0	
MO	0	22	78	0	0	
N MEX	0	0	25	75	0	
N C	0	22	39	35	4	
OKLA	0	0	50	50	0	
S C	50	38	6	6	0	
TENN	2	4	58	36	0	
TEX	0	7	60	32	1	

GRAIN SORGHUM					
STATE	VP	P	F	G	EX
ILL	0	0	5	82	13
KANS	0	3	7	33	57
MISS	4	15	64	17	0
MO	5	8	27	55	5
NEBR	0	1	12	41	46
OKLA	0	0	7	90	3
S DAK	0	0	20	71	9
TEX	0	0	34	51	15

CORN					
STATE	VP	P	F	G	EX
IOWA	0	1	4	65	30
KANS	0	0	3	28	69
MICH	2	8	25	45	20
MINN	3	2	18	54	23
NEBR	0	0	10	45	45
PA	0	3	19	48	30
S DAK	0	0	7	77	16
TEX	0	0	12	62	26
WISC	0	1	7	57	35

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

## State Summaries of Weather and Agriculture

**ALABAMA:** Temperatures averaged 5 to 10° above normal. Rainfall totals generally under 0.25 in.; central, southwest mostly dry.

Days suitable for fieldwork 6.1. Soil moisture 45% short, 53% adequate, 2% surplus. Hot, dry weather favorable for harvest crop conditions declined. Peanuts dug 26%, 67% 1985, 64% avg.; combined 12%, 52% 1985, 49% avg.; 8% poor, 75% fair, 17% good. Primary activities: Harvesting corn, sorghum, cotton, peanuts, soybeans, hay, sweet potatoes; defoliating cotton; planting small grains, annual forage crops; applying fungicides to peanuts; routine care of livestock, poultry.

**ALASKA:** Cold, snowy autumn blew across State as strong Arctic front pushed through from Siberia. Temperature highs, lows generally warmer than normal. Seasonal precipitation generally wetter than normal.

Days suitable for fieldwork 4.0. Soil moisture adequate to slightly surplus. Small grain harvest nearly 95% complete. Hay harvest over 85% complete. Commercial potato harvest 95% complete.

**ARIZONA:** Strong southwesterly winds spread subtropical moisture 22nd from hurricane Medallion. Rain began southwest, spread north eastward. Cold upper level low 23rd to 25th produced moderate to heavy rain. Snow level down to 6,500 ft. Moisture amounts between 0.50 to 1.50 in., except 1.50 to 3.00 in. Mogollon Rim, White Mountains. Average temperatures 4 to 15° below normals.

Cotton defoliation, harvest advanced. Rains slowed activity. Aphids, pink bollworms controlled southeast. Heavy pink bollworm infestations reported south central. Alfalfa harvest moderate. New cuttings weedy, curing conditions poor. Stand renovation, seedbed preparation active west, central. New stands progressing well. Corn harvested southeast, corn earlage cut south central. Grain corn 65% mature west. Grain sorghum various stages of development central. Silage harvest winding down. Grain sorghum heading, beginning to turn color southeast. Lettuce, cauliflower, broccoli, mixed vegetables planted central, west. Rains slowed activity, crops good. Lettuce thinned. Cantaloups packed west, central. Honeydews good, shipments took place central valley. Other central valley harvests included greens, green onions, carrots. Sweet corn to begin 30th. Willcox, lettuce harvested, potatoes shipped. Lemons, grapefruit picked central, west. Apples shipped southeast. Winter feed north, central looks promising. Range, pasture conditions during September from 50% of normal to 110% in mid, high elevations southeast. Cattle, calves fair to excellent north, central; excellent south. Stockwater, soil moisture short to adequate north, adequate to surplus south.

**ARKANSAS:** Temperatures extremely warm as strong high pressure system dominated State. Showers isolated. Temperature extremes 61°; 97°. Rainfall none to 1.64 in.

Days suitable for fieldwork 7.0. Soil moisture 49% short, 51% adequate. Crop growth moderate. Major activities: Planting, fertilizing cool season forages; herd health practices; irrigating soybeans; harvesting crops; preparing wheat, oat seedbeds. Open weather advanced crop harvest progress. Cotton gins operating full-time. Moisture still needed some areas to fill out soybean pods. Insect pressure leveling off.

**CALIFORNIA:** Below normal temperatures continued over State. Storms spinning around cold upper-level low brought periodic showers, thunderstorms. Damaging tornado occurred Tehama County midweek. Snow levels over Sierra Nevada dropped to 5,000 to 6,000 ft. elevations during week. Cool temperatures, rain slowed harvests, delayed maturities. Rice harvest progressed slowly, some lodging. Cotton defoliation active. Top bolls not open. Some growth regulators applied for even boll opening. Harvest slow start desert. Corn, grain sorghum, sugarbeets, dry beans, alfalfa harvests progressed slowly. Windrowed alfalfa hay, dry beans rained on; being turned to limit damage. Apple harvest continued; San Joaquin, Riverside. Soft dates harvested; Coachella. Raisin grapes winding down, 8 to 10%, exposed to rainfall; damage reported minimal. Table grapes active, Thompson Seedless, Red Globe, Ruby Seedless, Ribiers picked. Wine grapes continued harvested. Kiwifruit picking, sugar levels increased. Pomegranates harvested. Summer grapefruit nearing completion. Desert lemon harvest slowed, poor demand. Navel oranges sizing well. Valencia orange harvest continued. Almond harvest mostly complete, late varieties active. Little rain damage. Pistachio harvest full swing. Walnut harvest active, weather allowing. Nut drop, shell staining from rain. Artichoke moderate, variable quality; central coast. Broccoli moderate, Salinas; fairly heavy, Santa Maria; good quality. Fall harvest; Westside; begin mid-October. Carrot moderate; Salinas; good quality. Cauliflower, celery moderate, good quality; Salinas, Santa Maria. Sweet corn harvest slowed by rain; Delta; continued; south coast, Riverside County. Cucumber harvest active; Delta. Lettuce fairly heavy, good quality; Salinas. Thinning, weeding activity continued; Westside, desert. Limited harvest begins mid-October; Westside. Watermelon, honeydew, mixed melon picking continued despite wet weather. Quite few acres cantaloupe remain to be harvested; Firebaugh District. Dehydrator onions dug, field preparation for next crop; Westside. Pepper fairly heavy, Salinas; light Santa Maria, good quality. Peppers packed; Delta, Huron District. Fall potato harvest; Tulalake-Butte Valley; continued; difficulty, some areas, due to rain. Sweetpotato harvest full swing; Merced-Atwater. Pumpkins progressed well; Riverside County, harvest expected early October. Processing fresh market tomato harvest continued wind down. Late fresh market harvest begin October 17; Huron district. Recent rains started greening up Foothill, valley ranges, pastures. Movement livestock winter pastures continued. Fall calving active. Stock water supplies short to adequate.

**COLORADO:** Temperatures averaged 5° below normal to 5° above normal. Precipitation totals averaged none to 1.73 in.

Days suitable for fieldwork 5.4. Soil moisture 13% very short, 33% short, 45% adequate, 9% surplus. Barley harvested 99%, 95% 1985, 95% avg. Dry beans cut 85%, 95% 1985, 89% avg.; threshed 57%, 65% 1985, 63% avg. Sorghum turning color 88%, 91% 1985, 88% avg.; mature 37%, 26% 1985, 44% avg. Livestock good; range, pasture fair to mostly good.

**FLORIDA:** Mostly sunny days with high temperatures near 90° every day. Thundershowers isolated, slightly more numerous southern Peninsula. Rainfall mainly under 0.50 in. except near 1.00 in.

south. Temperatures averaged few degrees above normal.

Soil moisture generally adequate. Peanut harvest full swing, yields fair to good. Soybeans good, maturing. Cotton fair; maturing rapidly. Late hay cuttings continued. Sugarcane good to very good; planting continued. Land preparation active for small grains. Most grazing good to excellent; however, some Panhandle, upper Peninsula pastures poor to fair. Most cattle good to excellent; some Panhandle, upper Peninsula only fair. Calf marketings steady. Citrus groves good. Afternoon rains decreased with increase irrigation to help prevent fruit softening. New crop white, colored grapefruit harvest increased. Weather conditions generally favorable over vegetable producing areas. Crops mostly good. Supplies available Pompano eggplant, cukes; west central squash; Zellwood corn.

GEORGIA: Temperatures about 8° above normal. Maximums 90s most locations, 100° Albany. Lows 56° Clayton to 73° Brunswick. Most lows low, mid 60s. Rain limited to north and east, totals under 0.50 in. Central, south remained dry.

Days suitable for fieldwork 6.1. Soil moisture 13% very short, 55% short, 31% adequate, 1% surplus. Sorghum grain 26% poor, 61% fair, 13% good; 40% harvested. Peanuts 6% very poor, 11% poor, 57% fair, 26% good; 22% dug, 87% 1985, 59% avg.; 15% threshed, 74% 1985, 42% avg. Soybeans 100% setting pods, 100% 1985, 99% avg. Tobacco 100% harvested, 100% 1985, 100% avg. Rye 11% planted, 9% 1985, 9% avg. Other small grains 1% planted, 1% 1985, 8% avg. Apples 3% very poor, 20% poor, 44% fair, 33% good; 76% harvested, 78% 1985, 82% avg. Pecans 5% very poor, 11% poor, 58% fair, 25% good, 1% excellent. Pasture 1% very poor, 17% poor, 54% fair, 27% good, 1% excellent. Hay 3% very poor, 19% poor, 52% fair, 25% good, 1% excellent. Cattle 4% poor, 55% fair, 40% good, 1% excellent. Hogs 1% very poor, 3% poor, 34% fair, 60% good, 2% excellent. Main activities: Harvesting, haying, planting, spraying for insects and disease, preparing soil.

HAWAII: Conditions generally hot, humid; some heavy rainfall toward weekend, flooding some areas. Winds northeasterly 5 to 20 mph turning variable by weekend. Hurricane Orlene downgraded tropical depression, minimal effect to islands. Temperatures ranged low 70s to low 90s. Rainfall ranged none to 11.70 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Bananas, papayas fair to good; seasonal increase. Leafy vegetables very light damage from flooding some areas.

IDAHO: Temperatures averaged 4 to 13° below normal, coolest reported 21°. Precipitation well above normal up to 1.40 in. Orofino.

Days suitable for fieldwork 4.0. Harvest of small grains wrapping up. Activity centered on potato harvest. Overall potatoes good, hollow heart problems still present. Showers delayed fieldwork, fall land preparation continued. Winter wheat seeding progressing well, some fields emerging. Sugarbeet harvest underway. Livestock good.

ILLINOIS: Temperatures averaged 9 to 14° above normal. Precipitation none to 5.84 in.; heaviest north.

Days suitable for fieldwork 3.3. Soil moisture 6% short, 54% adequate, 40% surplus. Pasture 2% poor, 22% fair, 62% good, 14% excellent. Major farm activities: Harvesting corn, soybeans; seeding winter wheat.

INDIANA: High temperatures 80s, 9 to 11° above normal. Lows 60s, 15 to 20° above normal.

Precipitation ranged from over 2.00 in. north to 0.02 in. south.

Fieldwork averaged 3.8 days. Topsoil moisture 6% short, 68% adequate, 26% surplus. Subsoil moisture 21% short, 68% adequate, 11% surplus. Corn 23% moisture content, soybeans 14% moisture content. Soybeans 99% turning yellow, 98% 1985, 96% avg. Soybeans 65% mature, 50% 1985, 55% avg. Tobacco 95% harvested, 85% 1985, 80% avg. Winter wheat cropland 53% plowed, 44% 1985, 52% avg. Rye 25% seeded, 20% 1985, 25% avg. Silos 90% filled, 75% 1985, 70% avg. Rainfall slowed harvest progress throughout State. Pastures fair to good.

IOWA: Warm, wet week. Temperatures ranged 7 to 13° above normal. Temperature extremes 45°; 89°. Rainfall above normal except northwest; amounts to 8.70 in.

Days suitable for fieldwork 0.8. Topsoil moisture 21% adequate, 79% surplus; subsoil moisture 47% adequate, 53% surplus. Hay 1% very poor, 2% poor, 15% fair, 64% good, 18% excellent. Third crop alfalfa harvested 95%, 100% 1985, 99% avg. Winter wheat seeded 17%, 24% 1985, 34% avg. Corn, soybean harvest at virtual standstill. Soybeans with leaves turning 98%, 99% 1985, 96% avg.; soybeans mature 65%, 73% 1985, 63% avg. Livestock mostly good; muddy feedlots caused some stress. Pastures mostly good.

KANSAS: Precipitation averaged 0.10 in. west central, 1.75 in. to over 2.00 in. northeast and east central, 0.25 to 0.75 in. elsewhere. Temperatures averaged 67° northwest, 76 to 78° east and south central; 6 to 9° above normal west and south central, 11 to 13° above normal elsewhere.

Days suitable for fieldwork 4.5. Topsoil moisture 14% short, 60% adequate, 26% surplus. Sorghum good progress, maturity ahead schedule. Harvest normal pace. Corn maturity ahead schedule, harvest ahead normal. Soybeans good progress, harvest underway, ahead normal. Wheat seeding, emergence ahead schedule. Reseeding wheat necessary west, south due to heavy rains. Ranges, pastures good to excellent, poorest conditions west.

KENTUCKY: Hot, humid with scattered thundershowers. Average high temperatures ranged from 80 to 90°, low temperatures from 65 to 70°. Temperatures averaged 3 to 9° above normal for highs, 8 to 15° above normal for lows. Scattered precipitation totals from 0.50 to around 1.00 in. with few isolated totals of from 2.00 to 2.50 in. east central.

Days suitable fieldwork 4.6. Soil moisture 5% very short, 48% short, 43% adequate, 4% surplus. Corn harvest continued record pace. Silage harvest active. Soybean harvest underway most areas. Quality improved with recent rainfall. Tobacco harvest nearly complete, 7% still field. Houseburn light, quality generally good. Wheat 16% seeded, 11% 1985, 9% avg. Pastures mostly fair.

LOUISIANA: Temperature 5 to 8° above normal. Temperature extremes 65°; 95°. Rainfall averaged 0.48 to 2.17 in.

Days suitable for fieldwork 4.7. Soil moisture 16% short, 74% adequate, 10% surplus. Soybeans 70% leaves turning color, 66% 1985, 67% avg. Sugarcane fair to good; 92% planted, 57% 1985, 65% avg. Sweetpotatoes 72% harvested, 70% 1985, 68% avg. Wheat 4% planted, 1% 1985, 3% avg; 1% emerged, none 1985, 1% avg. Hay final cutting 90% complete, 83% 1985, 82% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay; harvesting rice, sorghum, sweetpotatoes, soybeans, cotton; planting sugarcane, wheat.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 8° above normal over State; lowest

temperature 46° Cumberland; highest temperature 94° Frederick. Precipitation averaged 0.13 in., ranging from none several stations to 0.64 in. Oakland.

Days suitable for fieldwork 6.6. Topsoil moisture very short to short. Subsoil moisture very short to short. Field corn mostly fair. Corn for grain 34% harvested, 53% 1985, 38% avg.; corn for silage 80% harvested, 95% 1985, 92% avg. Soybeans fair. Soybeans 29% shedding leaves, 36% 1985, 37% avg.; 3% harvested. Tobacco mostly good. Tobacco 83% harvested, 95% 1985, 91% avg. Barley 21% planted, 43% 1985, 35% avg. Rye 19% planted, 37% 1985, 34% avg. Pasture mostly fair.

Delaware: Temperatures averaged 60 above normal over State; lowest temperature 52° Middletown; highest temperature 93° Milford. Precipitation averaged 0.53 in., ranging from none Milford to 1.50 in. Wilmington.

Days suitable for fieldwork 5.9. Topsoil moisture short. Subsoil moisture very short. Field corn poor. Corn for grain 30% harvested, 51% 1985, 37% avg.; corn for silage 98% harvested, 91% 1985, 91% avg. Soybeans 14% shedding leaves, 47% 1985, 36% avg. Barley 13% planted, 10% 1985, 19% avg. Rye 10% planted, 8% 1985, 10% avg. Pasture fair to good.

MICHIGAN: Temperatures ranged 7 to 12° above normal. Temperature extremes 43°; 88°. Precipitation ranged from 0.40 to 5.50 in. across State.

Days suitable for fieldwork 1.0. Soil moisture 5% adequate, 95% surplus. Corn 35% mature, 70% 1985, 75% avg.; 1% harvested, 5% 1985, 4% avg.; 2% very poor, 8% poor, 25% fair, 45% good, 20% excellent. Soybeans 60% shedding, 85% 1985, 85% avg.; 1% harvested, none 1985, 2% avg.; 2% very poor, 8% poor, 30% fair, 45% good, 15% excellent. Winter wheat 5% planted, 10% 1985, 15% avg.; 3% emerged. Dry beans 7% harvested, 25% 1985, 40% avg. Fieldwork limited. Hot humid weather hurt dry beans, potatoes, sugarbeets. Dry beans 40% poor. Apple, grape harvests inched along. Sugar content problem concord grapes.

MINNESOTA: Temperatures averaged 5 to 10° above normal for State. Temperature extremes 88°; 34°. Precipitation averaged 0.81 in. above normal for southeast, ranged from 0.36 in. below normal to 0.32 in. above normal elsewhere. Greatest weekly total 2.13 in.

Days suitable for fieldwork 1.1. Topsoil moisture 1% short, 15% adequate, 84% surplus. Very little fieldwork accomplished last week because wet soil conditions. Farmers found it hard for equipment to enter fields because of wetness. Silo filling delayed as alfalfa, final small grain harvest awaits drying conditions. Frozen corn northern districts will be harvested for silage. Field corn 97% denting, 98% 1985, 98% avg. Field corn 14% cut for silage, 22% 1985, 48% avg. Soybeans 98% turning yellow, 97% 1985, 98% avg.; 30% mature, 40% 1985, 56% avg. Dry edible beans 45% harvested, 35% 1985, 46% avg. Potatoes 56% harvested, 45% 1985, 57% avg. Sweet corn 95% harvested for processing, 97% 1985, 96% avg. Flax 55% harvested, 36% 1985, 68% avg. Sugarbeets 13% harvested, 12% 1985, 12% avg. Winter wheat 78% seeded for 1987 crop, 61% 1985, 85% avg. Rye 71% seeded for 1987 harvest, 68% 1985, 86% avg. Small grain, hay 54% stubble plowed, 50% 1985, 66% avg.

MISSISSIPPI: Temperatures 8° above normal, extremes 62°; 96°. Stationary high pressure system over southeastern States brought southerly winds, unseasonably warm and humid weather. Rainfall averaged 0.40 statewide. Greatest 24-hour total 2.80 in.

Days suitable for fieldwork 6.3, 4.0 1985, 5.9 avg. Soil moisture 13% very short, 57% short, 30%

adequate. Corn 3% poor, 30% fair, 60% good, 7% excellent; 93% harvested, 77% 1985, 68% avg. Hay 92% harvested, 90% 1985, 91% avg. Sorghum silage 100% harvested, 96% 1985, 90% avg. Sweetpotatoes 70% harvested, 49% 1985, 46% avg. Peanuts 80% harvested, 63% 1985, 60% avg. Wheat 13% planted, 11% 1985, 10% avg.

MISSOURI: Temperatures averaged 10° above normal. Precipitation averaged 0.10 in. southeast, nearly 2.00 in. elsewhere, some areas up to 6.00 in. Many smaller streams out of banks.

Days suitable for fieldwork 3.0. Soil moisture 14% short, 42% adequate, 44% surplus. Pasture 3% very poor, 10% poor, 35% fair, 46% good, 6% excellent.

MONTANA: Heavy rains up to 6.00 in. parts north central, 2.00 to 5.00 in. parts northeast and southeast. Precipitation remained mostly less than 0.50 in. Flooding along Milk River, tributaries. Temperatures 3 to 7° below normal west, southwest, 3° below normal central, near normal extreme east.

Days suitable for fieldwork 1.0. Topsoil moisture 50% adequate, 50% surplus. Subsoil moisture 8% short, 63% adequate, 29% surplus. Barley harvested 86%, 100% 1985, 100% avg. Wet weather kept most harvesting, even silage chopping, at standstill. Extraordinary rainfall caused flooding north central, east. Some livestock, hay on low lying areas lost. Cattle 40% moved from summer ranges, 60% 1985, 45% avg. Sheep 50% moved, 70% 1985, 50% avg.

NEBRASKA: Amounts averaged 0.10 to 4.00 in. Temperatures averaged 3 to 8° above normal. Temperature extremes 28°; 88°.

Days suitable for fieldwork 2.6. Topsoil moisture 2% short, 47% adequate, 51% surplus. Subsoil moisture 3% short, 74% adequate, 23% surplus. Corn good to excellent. Dry rot, corn borer damage may cause some early harvesting. Soybeans good to excellent. Mold reported on plants east, northeast. Sorghum excellent to good. Winter wheat mostly good. Rainfall west aided germination, early growth. Pasture, range feed supplies mostly adequate. Yearlings Panhandle, southwest being sold at sale barns, moved to feedlots.

NEVADA: Fall entered State disguised as winter. Low pressure systems continued to bring almost daily scattered rain, snow showers all areas most of period. Temperatures averaged well below normal, freezing night temperatures common. Considerable snow Sierras, other high elevation areas. Break in weather end of week with sunshine, normal temperatures, cessation gusty winds.

Potato digging operations slowed by inclement weather. Some late cut alfalfa rained on in windrow.

NEW ENGLAND: Average temperatures 5° below normal. Frost inland, valley areas. Temperatures mid to upper 40° north, mid 50° elsewhere. Precipitation 0.65 to 1.40 in. north, 0.50 to 0.60 in. central, 0.25 in. east coastal plain.

Days suitable for fieldwork 4.0 Maine, Vermont; 6.0 elsewhere. Soil moisture 80% adequate, 20% surplus. Grazing availability, 90% adequate, 10% short. Frost damage light. Fieldwork 5.0 days behind schedule north, on schedule south. Maine potatoes 30% dug, 60% 1985, 55% avg. Connecticut Valley potatoes good; 50% dug, 50% 1985, 55% avg. Field corn 30% chopped, 45% 1985, 40% avg.; slow to mature. Maine oats 65% combined, 85% 1985, 85% avg. Second crop hay good; 100% baled south, 85% baled north. Third crop hay good; 70% cut. Apples 40% picked. Cranberries 5% picked; color good to excellent, size, small to large.

**NEW JERSEY:** Temperatures averaged much above normal. Extremes 43°; 90°. Rainfall averaged 1.20 in. north, 1.69 in. central, 1.77 in. south. Heaviest 24-hour total 1.63 in. on 26th, 27th. Estimated soil moisture percent field capacity averaged 77% north, central, 71% south. Four inch soil temperatures averaged 62° north, 66° central, 68° south.

Showers beneficial for fall vegetables, recently seeded grain, cover crops. Harvest of vegetables from fall acreage active. Iceberg lettuce marketing began. Rain interrupted potato digging. Cranberry harvest began. Apple harvest active. Soybeans, corn for grain maturing; scattered harvest began. Silage making continued active. Pasture growth improved.

**NEW MEXICO:** Weekly temperatures 3 to 7° below normal over central, western areas, a few degrees above normal over eastern plains. Showers, thundershowers over entire State. Totals exceeded 1.00 in. a few places south, northern mountains.

Days suitable for fieldwork 6.3. Soil moisture 8% short, 77% adequate, 15% surplus. Hail damage 90% none, 10% light. Alfalfa 36% fair, 64% good. Corn 13% fair, 87% good. Barley 25% fair, 75% good. Irrigated, dryland wheat 50% fair, 50% good. Irrigated grain sorghum 29% fair, 71% good. Dryland grain sorghum 50% fair, 50% good. Pecans 14% fair, 72% good, 14% excellent. Chile 29% fair, 71% good. Cattle 17% fair, 83% good. Sheep 10% fair, 90% good. Range 33% fair, 59% good, 8% excellent.

**NEW YORK:** Temperatures averaged near normal. Lows 40s to 50s. Highs mid 60s to mid 70s. On 23rd, central State received 1.00 to 1.50 in. rain. Rest of State, rain frequently but light and spotty, except on 24th, 25th no rain.

Days suitable for fieldwork 4.5. Soil moisture adequate to surplus. Corn crop good. Corn silage 20%, 28% 1985, 32% avg. Third cut alfalfa 64%, 64% 1985, 68% avg. Dry bean harvest continued. Pastures good. McIntosh harvest virtually complete, few 3rd pickings remain. First pick Cortlands complete. Red Delicious, Empire harvests underway with excellent size, color. Concord grape harvest complete most areas. Orange County onion harvest nearly over. Size, quality good. Celery harvest complete.

**NORTH CAROLINA:** Temperatures averaged 6° above normal Mountain Region, 8 to 9° above normal remainder of State. Temperature extremes 51°; 96°. Precipitation ranged from none to 0.95 in.

Days suitable for fieldwork 6.3. Soil moisture 14% very short, 61% short, 25% adequate. Corn grain harvest slightly behind average. Corn silage harvested 92%, 91% 1985, 90% avg. Cotton mostly fair to good; harvest beginning. Soybeans fair to good; leaves dropping. Sorghum 16% poor, 72% fair, 12% good; harvested 32%, 41% 1985, 37% avg. Flue-cured tobacco harvested 85%, 93% 1985, 94% avg. Burley tobacco harvested 88%, 95% 1985, 87% avg. Peanuts 48% fair, 52% good; dug 17%, 39% 1985, 22% avg.; threshed 6%, 19% 1985, 11% avg. Sweetpotatoes 4% poor, 54% fair, 34% good, 8% excellent; harvested 25%, 32% 1985, 30% avg. Apples 69% fair, 31% good; harvested 64%, 66% 1985, 63% avg. Pasture 20% poor, 55% fair, 25% good. Major farm activities: Harvesting tobacco, corn, vegetables, apples, hay, sorghum, cotton; cutting corn silage; spraying soybeans, cabbage; marketing tobacco; digging sweet potatoes; digging, threshing peanuts; tending livestock; mowing; preparing land for small grains; planting pastures, small grains; defoliating cotton; general farm maintenance.

**NORTH DAKOTA:** Low pressure systems brought rain, high winds. Temperatures 1 to 6° above normal. Extremes low 32° southwest; high 78° several

districts. Precipitation averaged 0.85 in. southeast to 1.62 in. central.

Days suitable for fieldwork 2.9. Topsoil moisture levels increased over last week, one of wettest levels on record to 75% adequate, 25% surplus. High winds accompanying rain caused lodging of sunflower western three-fourths of State; slight to severe damage. Numerous reports of sprout damage in swathed grain. Harvest progressed very slowly. Late season crop condition change from previous week, percent good or better; significantly decreased flax 79%, sunflower 73%, dry beans 77%; slightly decreased corn for grain 94%, soybeans 91%; stable potatoes 100%. Combining progress much behind normal for most crops: Hard red spring wheat 90%, 93% 1985, 98% avg.; durum wheat 86%, 83% 1985, 96% avg.; flax 33%, 45% 1985, 75% avg.; dry beans 35%, 24% 1985, 62% avg. Potatoes dug 69%, 45% 1985, 63% avg. Sunflower bracts brown 43%, 39% 1985, 59% avg. Sugarbeets lifted 11%, 12% 1985, 12% avg. Pasture condition declined. Fall plantings behind normal. Winter wheat 75% seeded, 95% avg.; rye 81% seeded, 97% avg.

**OHIO:** Average temperatures 10 to 14° above normal. Lows 60s, high 90°. Rainfall 2.00 to 4.00 in.; well above normal.

Days suitable for fieldwork 3.9. Soil moisture 14% short, 58% adequate, 28% surplus. Activities: Harvesting corn, soybeans, fruits, vegetables, planting winter wheat. Many activities slowed by frequent heavy thunderstorms. Some corn weakened by stalk rot going down. Soybeans good. Many farmers harvesting corn first. Land preparations, planting winter wheat slowed by rains, wet soils. Hay fair to good. Pastures fair.

**OKLAHOMA:** Days suitable for fieldwork 6.0. Topsoil moisture 33% short, 60% adequate, 7% surplus. Subsoil moisture 20% short, 80% adequate. Wheat 50% planted, 35% 1985, 30% avg.; 20% emerged, 10% 1985, 10% avg. Sorghum 7% fair, 90% good, 3% excellent; 99% coloring, 100% 1985, 97% avg.; 75% mature, 80% 1985, 60% avg.; 10% harvested, 25% 1985, 15% avg. Cotton 50% fair, 50% good; 35% open bolls, 70% 1985, 45% avg.; 1% harvested, 5% 1985, 2% avg. Pastures good, no short forage supplies. Cattle good; marketings, prices stable.

**OREGON:** Temperatures below normal all areas except extreme south coast normal. Average departure 6° below normal; south central area 13 to 16° below normal. Abundant rainfall nearly all areas except coastal areas received 2.00 to 5.00 in.; western interior 1.25 to 4.50 in.; high plateau up to 0.50 in. Other eastern areas 0.33 to 0.50 in. except isolated locales south central, northeast, north central up to 1.00 in.

Soil moisture 17% short, 58% adequate, 25% surplus. Wet weather slowed, halted fieldwork especially west. Some reseeding due to crusting mid-Columbia region. Ryegrass 40% seeded; 40% emerged Willamette Valley. Some grain remained for harvest Klamath Basin, high elevations northeast. Much hay in windrows or remained for 3rd cut northeast, Klamath Basin. Cool, moist weather slowed radish, carrot seed harvest central area. Rain delayed apple, Anjou pear harvests Hood River Valley. Winter pear harvest winding down Medford. Red Delicious apple harvest progressing well Milton-Freewater. Filbert drop continued in early orchards Willamette Valley, dryer weather needed for harvest. Early wine grape varieties harvested west. Caneberry pruning continued. Cranberry harvest started southern coast; color excellent, size fair to excellent depending on variety; water plentiful for flood harvesting. Potato harvest active, some rain delays Hermiston area, began central areas, Klamath Falls. Sweet corn harvest nearly halted by rain west, yields very good. Cauliflower harvest about finished.

Many onions remain in fields to dry, rain stopped harvest. Livestock mostly good. Range, pasture fair to good. Western pastures started to green up, good feed anticipated. Eastern rangeland also greening up. Some very dry areas need more rain. Snow at high elevations around Klamath Basin may limit fall feed.

**PENNSYLVANIA:** Warm, muggy week. Warm, wet air mass became entrenched over region producing heavy rain on 24th, 25th. Average temperature 67°, 70° above normal. Temperature extremes 44°; 89°. Average precipitation 1.70 in., 0.89 in. above normal.

Days suitable for fieldwork 4.0. Soil moisture 40% short, 53% adequate, 7% surplus. Corn 97% dented, 47% mature, 8% harvested; 1985 88% dented, 36% mature, 7% harvested; avg. 88% dented, 36% mature, 2% harvested. Corn 3% poor, 19% fair, 48% good, 30% excellent. Ensilage corn harvested 60%, 45% 1985, 51% avg. Soybean 1% very poor, 5% poor, 26% fair, 46% good, 22% excellent. Potato harvest 82% complete; 80% 1985. Apple harvest 57% complete, 58% 1985. Fall plowing 71% complete; 70% 1985. Fall barley planting 55% complete; 50% 1985. Fall wheat planting 40% complete; 38% 1985. Third cutting alfalfa 94% complete; 90% 1985. Fourth cutting alfalfa 43% complete; 47% 1985. Quality of hay made fair to good. Amount of feed being obtained from pasture average to below average. Activities: Making hay, haylage; harvesting soybeans, corn, apples, grapes, corn silage, potatoes, other vegetables; fall plowing; fall planting wheat, barley, alfalfa.

**PUERTO RICO:** NO DATA AVAILABLE.

**SOUTH CAROLINA:** Temperatures above normal, averaging 6 to 10° warmer than usual. Rainfall scattered, very light.

Days available for fieldwork 6.0. Soil moisture 24% very short, 64% short, 12% adequate. Cotton open bolls 90%, 91% 1985, 86% avg.; 11% harvested, 22% 1985, 12% avg.; 50% very poor, 38% poor, 6% fair, 6% good. Soybeans blooming 100%, setting pods 94%, 100% 1985, 100% avg.; 34% leaves turning, 29% 1985, 36% avg.; 14% leaves shedding, 12% 1985, 14% avg.; 2% mature, 7% 1985, 6% avg.; 11% very poor, 17% poor, 55% fair, 17% good. Tobacco harvested 100%, 54% stalks destroyed, 58% 1985, 64% avg. Peanuts poor; 8% harvested, 29% 1985, 28% avg. Corn poor; 86% harvested, 86% 1985, 87% avg. Apples fair to good; 42% harvested, 84% 1985, 78% avg. Grapes fair; 40% harvested, 98% 1985, 89% avg. Pastures, hay fair. Warm temperatures, lack of rainfall sustained drought conditions.

**SOUTH DAKOTA:** Average temperatures ranged 10° above normal east to 10° below normal west. Extremes 34°; 85°. Black Hills low 28°. Rainfall widely scattered, heavy west; over 1.00 in. northeast, southeast; less than 0.50 in. remainder.

Days suitable for fieldwork 1.2. Topsoil moisture surplus east, south, adequate remainder; 51% adequate, 49% surplus. Crops good to excellent. Winter grain seeding progressing. Hot, dry weather needed to help row crop maturity. Silage cutting slow; grain harvest beginning. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate to surplus.

**TENNESSEE:** Temperatures averaged around 80° above normal. Rainfall exclusive east, amounts generally light.

Days suitable for fieldwork 5.4. Soil moisture 8% very short, 42% short, 50% adequate. Corn 92% mature, 92% 1985, 88% avg.; 45% harvested, 40% 1985, 25% avg. Burley tobacco 84% harvested, 96% 1985, 93% avg.; dark fired 80% harvested, 96% 1985, 91% avg.; dark air-cured 76% harvested, 97% 1985,

92% avg. Wheat 11% seeded, 10% 1985, 11% avg. Cattle fair to good. Pastures mostly fair to good. Corn, milo harvest full swing. Tobacco harvest progressed slowly.

**TEXAS:** Two weather features dominated past week. Large low pressure system west coast brought several minor disturbances west, heavy rain Trans-Pecos, southern Low Plains, Permian Basin, Edwards Plateau. Southeast flow deep layer gulf moisture Coastal Plains, eastern sections north, south. Southern parts Panhandle, northern portion Low Plains above normal. Southern tip, eastern quarter below normal.

**Crops:** Corn harvest Plains slowed moist weather conditions; good yields expected. Harvest nearing completion east. Lower than normal yields Edwards Plateau. Quality reduced showers south central State. Grain sorghum harvest nearing High Plains, some fields hurt by rain, high winds. Good yields expected. Harvest underway Edwards Plateau, producers reporting low yields. Good yields central harvest full swing. Cotton harvest slowed by adverse weather conditions Plains, wet conditions affect quality. Bollworm damage southern Low Plains. High humidity Blacklands slowed harvesting activity. Harvest south central continued weather permitted. Harvest started some areas northern Low Plains. Small grain planting continued active. Additional moisture needed some areas. Early wheat fields showing good stands. Wheat planting winding down Plains. Some armyworm damage Blacklands. Harvest first crop rice virtually complete. Prospects good 2nd crop, benefited earlier rains. Peanut harvest started northern High Plains, harvest expected begin northern Low Plains few weeks. Harvest increased Blacklands, average yields. Dry conditions helping crop west, harvest begin soon. Yields improving Cross-Timbers. South could use moisture. Harvested 19%, 13% 1985, 15% avg. Soybeans beginning dry down, drop leaves Plains. Harvest begin soon northern Low Plains. Below average yields south central area. Fields Upper Coast wet, lower than normal yields expected. Harvested 30%, 11% 1985, 8% avg. Other crops harvested: Sunflowers 11%, 29% 1985, 25% avg. Sugarbeets 3%, 11% 1985, 2% avg. Pecans 3%, none 1985, none avg. Other crops planted: Oats 34%, 23% 1985, 24% avg.

**Commercial Vegetables:** Rio Grande Valley, planting continued on some vegetables. Thinning, cultivating. Harvest cucumbers underway. Hot temperatures slowed fruit set tomatoes, peppers. San Antonio-Winter Garden, planting continued, some fields spinach emerging. East, fall planting vegetables continued. Harvest sweetpotatoes continued. Most planted vegetables look good. High Plains, harvest carrots, peppers, pumpkins, watermelons continued. Trans-Pecos, harvest tomatoes, chili peppers continued. Pecan harvest continued Blacklands, east, south, getting underway south central. Shucks beginning open Trans-Pecos, good crop expected.

**Range and Livestock:** With exception south, pastures burned by heat, drought, pastures green, growing. Armyworms problem east. Livestock most State good, benefiting recent rains. Cattle moving volunteer wheat pastures. Cattle markets strong.

**UTAH:** Temperature maximums 1 to 17° below normal; minimums 10° below to 7° above normal. Precipitation heavy to very heavy mountains.

Days suitable fieldwork 3.7. Topsoil moisture 60% adequate, 40% surplus. Winter wheat 80% seeded, 75% 1985, 72% avg.; corn 58% mature, 73% 1985, 74% avg.; corn silage 52% harvested, 52% 1985, 53% avg.; alfalfa 3rd cutting 81% harvested, 83% 1985, 73% avg.; apples 57% harvested, 23% 1985, 25% avg.; onions 45% harvested, 40% 1985, 49% avg.; potatoes 30% harvested, 20% 1985, 38% avg.; cattle,

sheep moving from summer range. Livestock good to excellent.

VIRGINIA: Hot, mostly dry. Temperatures low 53°, high 94°. Rain none to 0.48 in. Least rain east, most southwest.

Days suitable for fieldwork 6.2. Soil moisture 73% short, 27% adequate. Another dry week, rain needed all areas. Corn 84% mature, 89% 1985, 93% avg. Silage harvest 68% complete, 81% 1985, 86% avg. Grain corn harvest 44% complete, 50% 1985, 45% avg. Some drought damaged fields abandoned. Soybeans fair, little harvested yet. Soybean plants still green many areas. Peanuts good to excellent. Peanuts 12% dug, 30% 1985, 30% avg. Peanuts 5% combined, 21% 1985, 16% avg. Flue-cured tobacco harvest 70% complete, 86% 1985, 90% avg. Burley tobacco harvest 78% complete, 96% 1985, 97% avg. Fire-cured tobacco harvest 68% complete, 99% 1985, 99% avg. Dry weather accelerated tobacco harvest. Wheat seeding 13% complete, 3% 1985, 6% avg. Oat seeding 28% complete, 20% 1985, 30% avg. Barley seeding 30% complete, 14% 1985, 21% avg. Pastures declined slightly, fair to good seeding alfalfa. Hay cutting active. Sweetpotato harvest above 50% complete.

WASHINGTON: Rainy, cool statewide. Weekly precipitation above normal. Range 0.14 to 2.63 in. Temperatures averaged 3 to 10° below normal. First accumulated snow this season; Cascades, Olympics.

Days suitable for fieldwork 4.3. Soil moisture 35% short, 65% adequate. Winter wheat 63% planted, 62% 1985, 58% avg. Winter wheat 46% emerged, 41% 1985, 42% avg. Potatoes mostly good, 50% harvested. Rains slowed fruit, vegetable harvests. Range, pasture 50% short, 50% adequate. Hay supplies 80% adequate, 20% surplus.

WEST VIRGINIA: Temperatures averaged 10° above normal. Temperature extremes 48° Greenbank; 93° Martinsburg. Average temperature 72°.

Precipitation 0.04 to 2.99 in. above normal. Average precipitation 1.84 in.

Days suitable for fieldwork 4.3. Soil moisture 22% very short, 29% short, 43% adequate, 6% surplus. Fall seeding: Wheat 37% complete; barley 46%.

WISCONSIN: Warm temperatures, averaged 67°, 10° above normal. Low 42°, high 90°. Rainfall 1.50 to 5.00 in., heaviest southeast, south central. Streams overflowing banks.

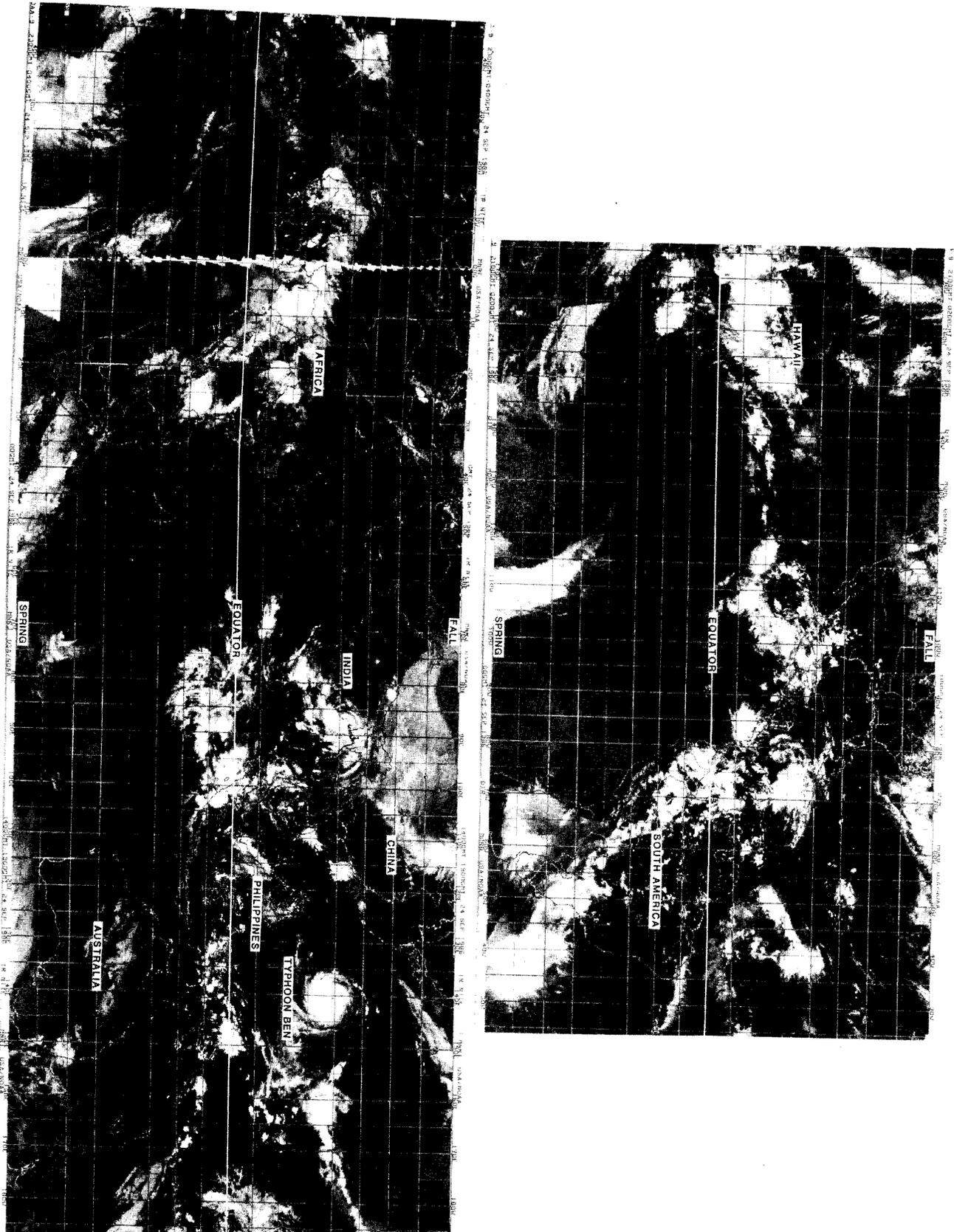
Days suitable for fieldwork 1.0. Soil moisture 6% adequate, 94% surplus. Standing water many fields. Crops 1% poor, 7% fair, 70% good, 22% excellent. Warm, wet weather causing mold. Corn 1% poor, 7% fair, 57% good, 35% excellent. Corn mature 49%, 50% 1985, 72% avg. Corn for grain harvest 1%, 1% 1985, 1% avg. Corn silo filling 17%, 20% 1985, 26% avg. Soybeans dropping leaves 41%, 42% 1985, 50% avg. Third cutting hay 57% complete, 66% 1985, 72% avg. Fall plowing 7% complete, 12% 1985, 9% avg. Potato harvest slowed by rain. Cranberry harvest underway.

WYOMING: Cool, wet week. Temperatures below normal. Precipitation above normal.

Day suitable for fieldwork 4.0. Topsoil moisture 20% short, 62% adequate, 18% surplus. Subsoil moisture 21% short, 73% adequate, 6% surplus. Barley mature 5%, 5% 1985; harvested 95%, 95% 1985, 95% avg. Spring wheat harvested 95%, 100% 1985, 100% avg. Oats harvested 95%, 95% 1985, 90% avg. Corn silage harvested 75%, 80% 1985, 75% avg. Corn for grain dented 60%, 40% 1985, 40% avg.; mature 30%, 35% 1985, 40% avg. Potatoes harvested 60%, 60% 1985, 55% avg. Dry beans windrowed 45%, 40% 1985, 75% avg.; combined 70%, 75% 1985, 65% avg. Sugarbeets dug 25%, 15% 1985, 5% avg.; average sugar content 16.4%. Winter wheat planted for 1987 90%, 90% 1985, 90% avg.; emerged 60%, 70% 1985, 65% avg. Winter wheat mostly good. Livestock moved from summer ranges: Cattle 30%, sheep 35%.

# Global Weather Satellite Image

September 24, 1986



International Weather and Crop Summary

September 21 - 27, 1986

**HIGHLIGHTS:**

**UNITED STATES** ... Heavy rain delays row crop harvest and winter wheat seeding in the Corn Belt, the central and northern Great Plains, and some Rocky Mountain States. Warm weather hastens crop maturity across the eastern half of the Nation.

**U.S.S.R.** ... Rain and cold weather covers northern portions of Western U.S.S.R.'s winter grain area and the New Land's northern Urals. Light showers occur elsewhere. Subfreezing minimum temperatures reach the northern Ukraine at week's end.

**EUROPE** ... Showers in the south improve conditions for winter grain planting but delay corn harvesting in France. Light rain provides only minimal relief in the southeast.

**SOUTH ASIA** ... Monsoon showers continue in southern and eastern India, benefiting cotton, rice, and groundnuts but likely causing local flooding.

**EASTERN ASIA** ... Light, scattered showers help winter grain emergence in the North China Plain. Showers slow harvesting in the northeast.

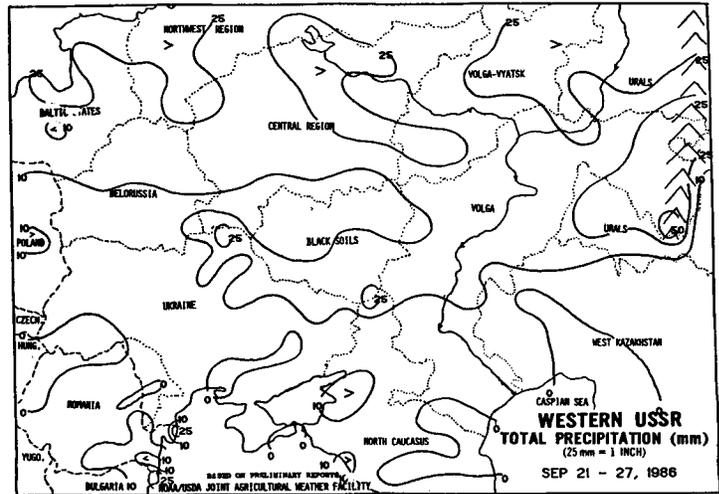
**MEXICO** ... Widespread showers favor wheat planting and immature crop development but slow harvesting.

**CANADA** ... Substantial rain falls over the Prairie grain belt, delaying crop harvests and lowering grain quality.

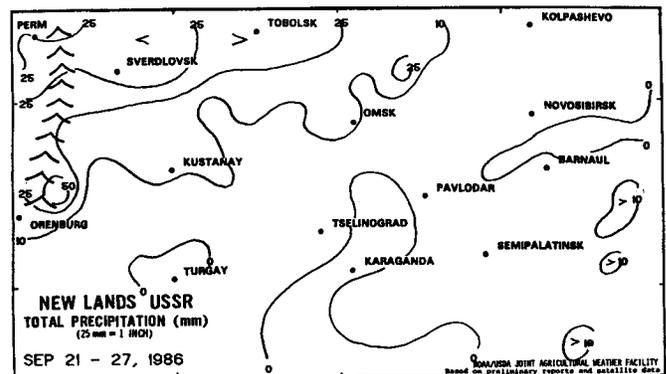
**SOUTHEAST ASIA** ... Minimal rain falls over upland crop areas throughout Thailand.

**SOUTH AMERICA** ... Rain helps wheat and summer crop planting in northern Argentina. Wetness persists in southern Brazil while unfavorable dry weather continues in Brazil's coffee belt.

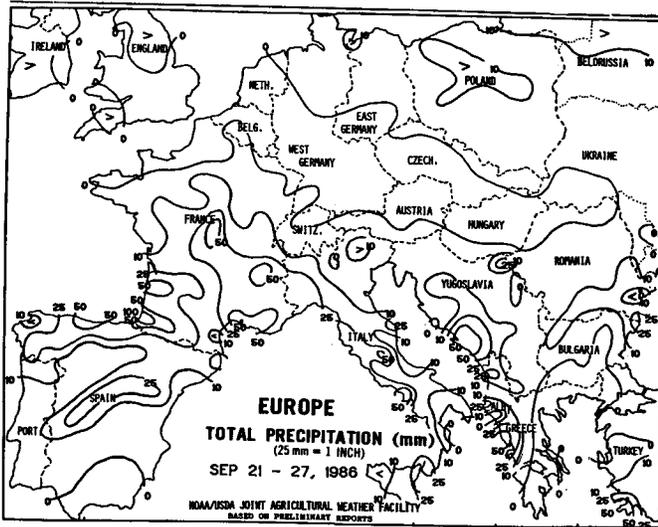
**AUSTRALIA** ... Light rain benefits heading wheat throughout eastern Australia.



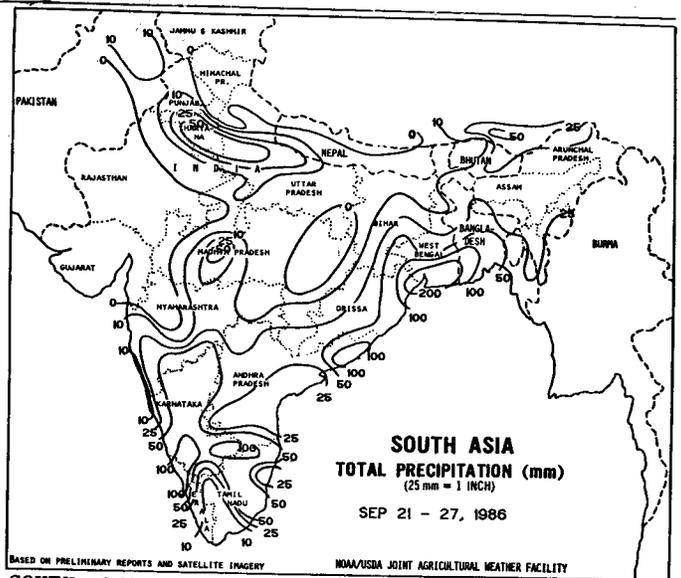
**U.S.S.R.** ... In Western U.S.S.R., the heaviest precipitation (10 to 35mm) fell over northern portions of the winter grain area extending from the Baltic States to the middle and upper Volga. The moisture was especially beneficial for winter grain emergence in the Volga region. Light showers (1 to 10mm) in southern crop areas, including the southern and eastern Ukraine, North Caucasus, and lower Volga, provided some relief from prolonged dryness. Topsoil moisture remained unfavorably low for uniform seed emergence and autumn establishment. Planting in the south can occur as late as mid-October with the dormant period normally underway by Mid-November. Temperatures averaged mostly 1 to 2 degrees C below normal in the south and 3 to 4 degrees C below normal in the north. By the weekend, subfreezing minimum temperatures occurred as far south as the Ukraine.



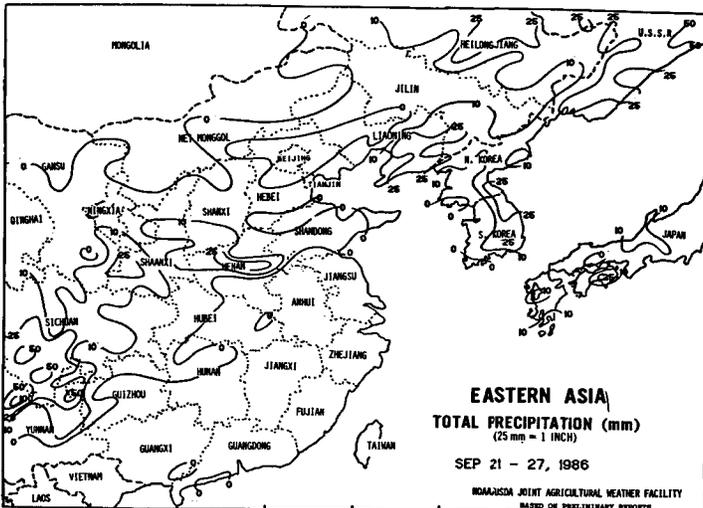
In the New Lands, frequent showers continued to delay harvesting in the northern Urals. Temperatures averaged somewhat below normal in the wet northwest. Early-week light showers in the spring wheat areas of Western Siberia slowed harvesting, but drier, warm weather by week's end favored fieldwork. The overall crop harvest is reportedly similar to last year's pace.



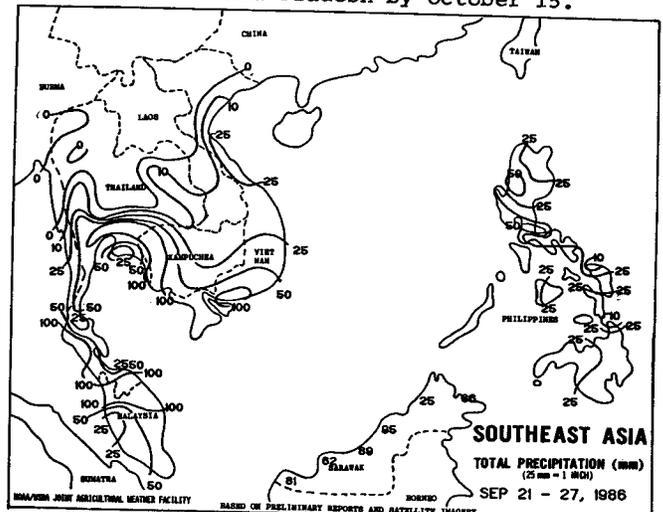
**EUROPE** ... Showers in France continued to moisten topsoils for winter grain planting. Heavier rain (25 to over 50mm) in southern France delayed corn harvesting. Substantial showers fell over northern Spain, much of Italy, and southwestern Yugoslavia, improving moisture conditions for winter grain planting. Mostly dry weather in southern England and West Germany aided fieldwork, while light, scattered showers in East Germany, Poland, and Czechoslovakia caused only minor delays in summer crop harvesting and winter grain planting. Light showers in the southeast provided minimal topsoil moisture in Romania and Bulgaria for winter grain establishment. A cooling trend occurred over northern Europe by week's end.



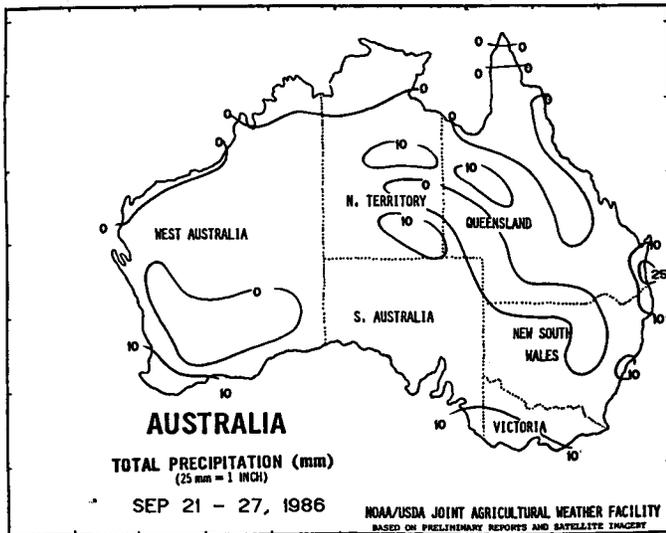
**SOUTH ASIA** ... Substantial showers (25 to more than 100mm) continued in southern and eastern India, benefiting rice, cotton, and groundnuts but likely causing local flooding. Coverage extended from southern Maharashtra to Tamil Nadu and northward from Andhra Pradesh to the far eastern states. Throughout India, rice is grain-filling, groundnuts are pod-filling, and normally cotton is mostly flowering to boll forming. Heavy rain (more than 50mm) fell from Haryana to western Uttar Pradesh, hampering early cotton harvesting but improving soil conditions for wheat planting that is normally underway in early October. Mostly light rain (less than 5mm) fell elsewhere in northern India from drought plagued Gujarat to eastern Madhya Pradesh. Normally, the monsoon is withdrawn from northeast India by October 1 and from as far south as Andhra Pradesh by October 15.



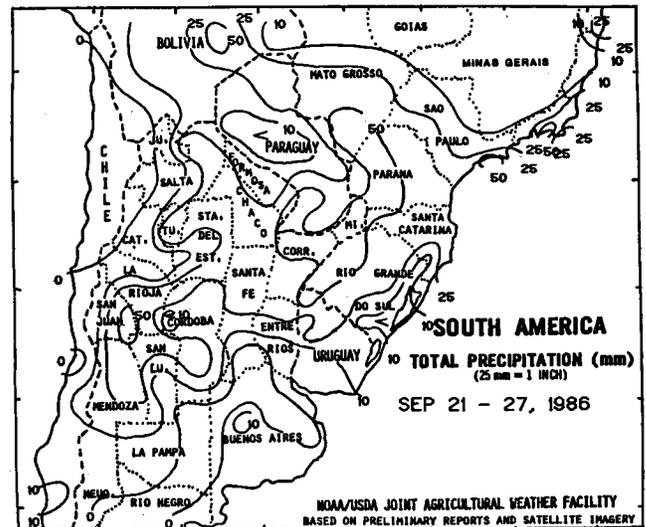
**EASTERN ASIA** ... Dry weather covered most of southern China. Dryness in Hunan and Jiangzi was unfavorable for unirrigated late double-cropped rice that is normally in the filling stage. Dry weather favored crop harvesting in the Yangtze River Valley. Light scattered showers in the North China Plain caused minimal interference to the summer crop harvest. The moisture helped winter grain emergence, especially in Henan, southern Shanxi, and more western winter grain areas. More rain is needed in the North China Plain for crop establishment. In the northeast, generally light rain slowed corn and soybean harvesting in Liaoning and Jilin. Heavier showers fell in Heilongjiang. Beneficial drier weather covered the Korean peninsula.



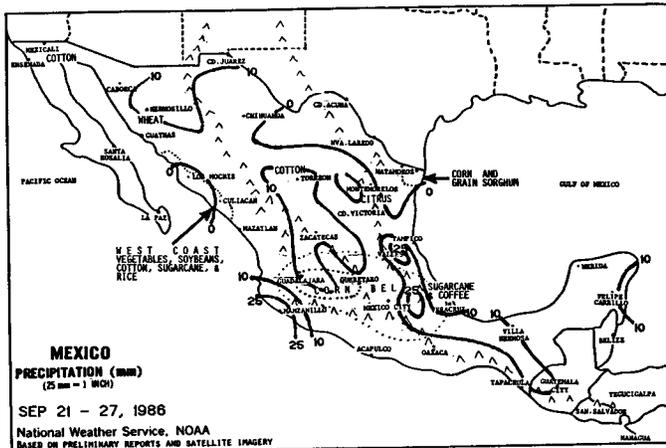
**SOUTHEAST ASIA** ... Minimal rain (less than 4mm) covered upland crop areas of central and northern Thailand. Light showers (less than 15mm) fell in rainfed rice regions of eastern Thailand, but rainfall averaged 100mm from Bangkok to the Kampuchean border. Minimal rain (less than 10mm) fell in northern Laos and Vietnam with heavier amounts (10 to 25mm) falling in southern Laos and northern Kampuchea. Moderate to heavy showers (50 to 121mm) covered southern Vietnam and Kampuchea. Mostly light to moderate tropical showers covered the Philippines with heaviest rainfall (25 to 76mm) in the northern islands.



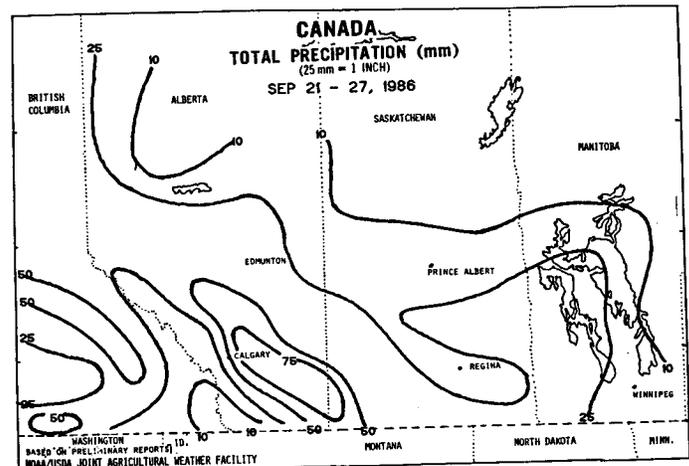
**AUSTRALIA** ... Light showers (1 to 5mm) benefited wheat in the heading stage throughout eastern Australia. Coverage extended from South Australia through New South Wales to southern Queensland, with showers in western Queensland benefiting pastures. Although rainfall covered crops throughout southeast Queensland and northern New South Wales, amounts were below normal and moisture supplies continued to be limited for wheat's development. Mostly dry weather covered crop areas in Western Australia, but light to moderate showers (5 to 25mm) fell in coastal areas. Temperatures averaged 13 to 15 degrees C in western and southern wheat areas, but temperatures ranged from 17 to 22 degrees C in northern New South Wales and southeast Queensland.



**SOUTH AMERICA** ... Substantial rain (25 to 97mm) covered a broad area from northern Argentina to southern Brazil. In Argentina, the moisture improved conditions for summer crop plantings and wheat development. Beneficial showers covered most of Cordoba and all but extreme southern Santa Fe. Scattered and generally light showers fell over Buenos Aires and La Pampa. In Brazil, locally heavy showers fell again in Rio Grande do Sul, maintaining very wet conditions for wheat in the south. Further north, the rain in Mato Grosso do Sul, Parana, and southern Sao Paulo favored summer crop planting and emergence. The dry weather pattern of the past several weeks continued in the coffee area most notably over Minas Gerais where soil moisture reserves are low for coffee tree flowering.



**MEXICO** ... Rain fell over most of the country, except in the northeast where dry weather favored harvesting of corn, cotton and vegetables. Hurricane Newton moved northwestward along the west coast before turning inland over southern Sonora. The tropical storm diminished rapidly over land, but some showers fell in northwestern wheat areas benefiting early crop planting. Rain also fell over north-central Mexico, slowing harvesting but providing moisture for pastures and immature crops. Variable amounts of rain (5 to 42mm) covered the Southern Plateau corn belt and further south, but only light showers (less than 5mm) fell in the Yucatan peninsula.



**CANADA** ... Substantial rain fell over the Prairie grain belt. Weekly totals averaged 20 to 50mm throughout eastern, central, and northern spring wheat and rapeseed areas and 50 to 98mm in southern Alberta. The widespread rain caused further delays in crop harvesting. The persistent wetness has also begun to lower the quality of mature and swathed crops. In Saskatchewan, swathed spring wheat advanced only 1 percent from the previous week while combining advanced 2 percent. Temperatures averaged near normal in the east and central regions but below normal in the west. The recent rains provided substantial moisture reserves for next spring.

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(Continued from front cover)

SATURDAY...Showers and thunderstorms were not as severe and were scattered from the central Plains across the Great Lakes and Ohio Valley to the mid-Atlantic States. Light showers again covered much of the West with snow at many higher elevations. Unusually warm weather continued east of the Rockies with record-high temperatures in the Southeast.

(Continued from p. 11)

PASTURES AND LIVESTOCK: Pastures were mostly fair to good. Rain and warm temperatures were ideal for growth in some areas. Livestock was mostly good. Movement from summer pastures continued.

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