

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and World Agricultural Outlook Board

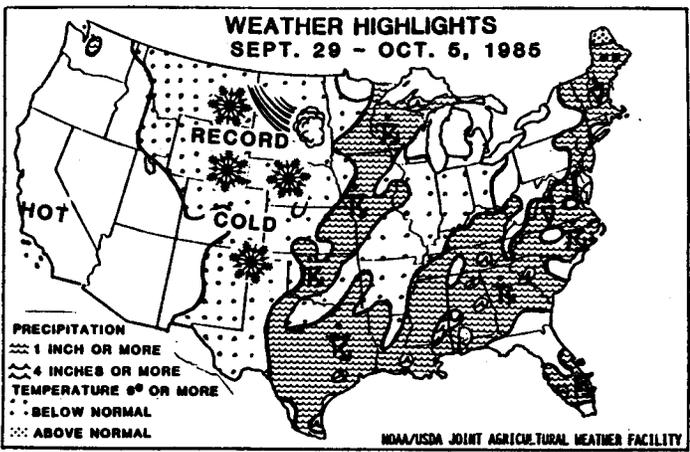
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WASHINGTON, D.C.

Oct. 8, 1985

National Weather Summary

September 29 to October 5, 1985



WEDNESDAY...The line of showers and thunderstorms reached through the East Coast States to southern New England. The extremely cold temperatures moderated, but nearly all of the Nation was colder than normal. Only the Southwest and the extreme Southeast were near normal.

THURSDAY...Rain continued through the east coast area with the heaviest amounts coming from thunderstorms in the Carolinas and south central Virginia. Another cold front moving through the northern Rockies triggered snow in the mountains and rain-showers in the central and northern Plains. Temperatures warmed across much of the South and a heat wave was in the Southwest.

FRIDAY...Rain continued from Maryland northward and thunderstorms covered the rest of the East Coast States. Rainshowers were also widespread in the upper Mississippi Valley and the lower Missouri Valley and northeastward through the Great Lakes. Gusty, northerly winds prevailed in the central and northern Plains. Temperatures climbed to the high 90's through California.

SATURDAY...Gusty winds swept through the Great Lakes, and showers and thunderstorms reached from the Lakes and upper Ohio Valley through New England. A few showers continued along the east coast, in the Northwest, and in southern California. Temperatures warmed across the South and continued to be very warm in California.

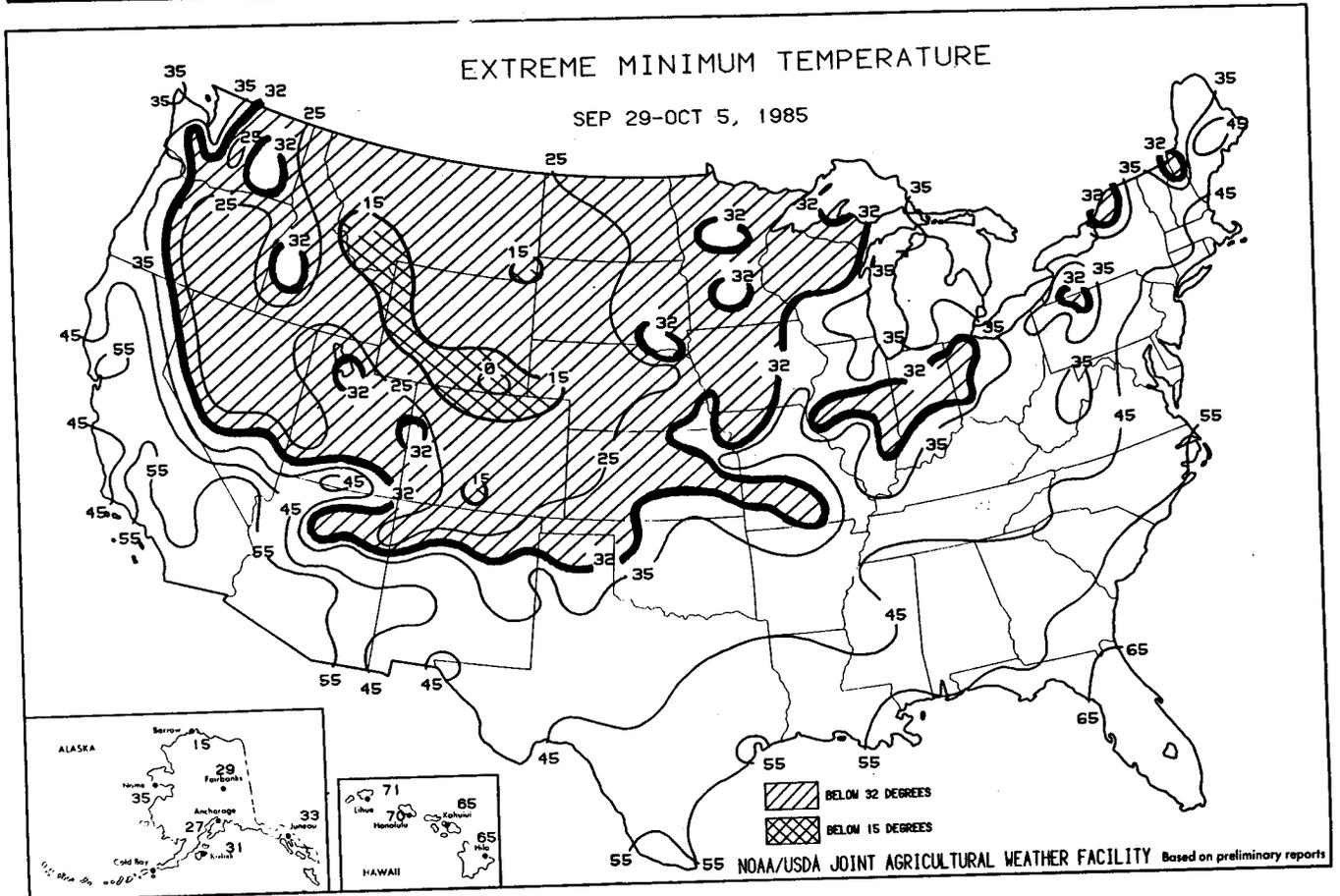
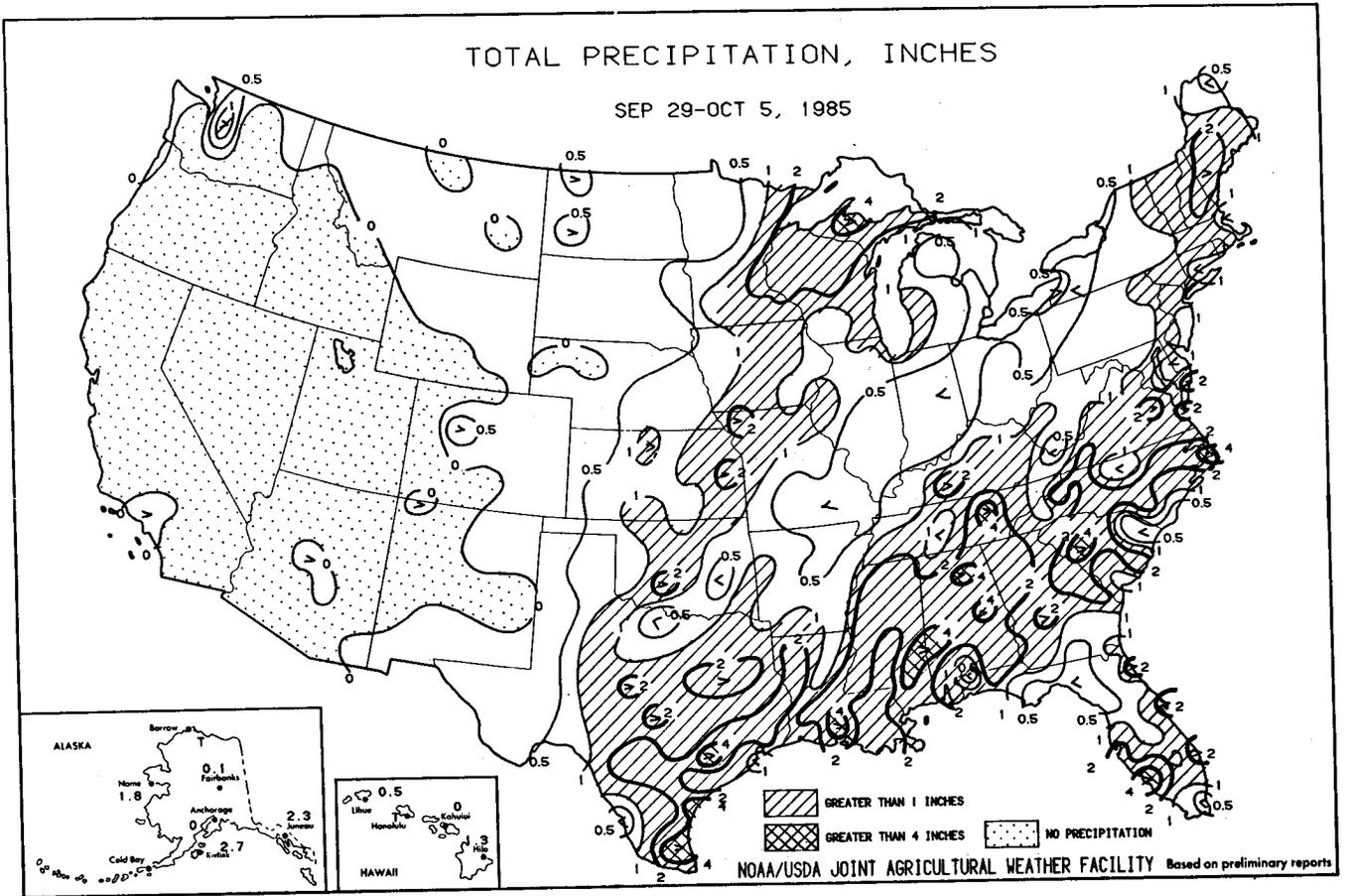
HIGHLIGHTS: Precipitation covered all of the Nation east of the Rockies. Snow was widespread through the Rockies and High Plains as far south as the Texas Panhandle. Record cold weather followed the snowfall over the High Plains and parts of the central Plains. The heaviest precipitation was in showers and thunderstorms which reached from central Texas to the western Great Lakes, across the South and along the east coast. Gusty winds accompanied the heavy showers in the central Plains and Great Lakes area. Showers were widespread but relatively light from Arkansas to Illinois and eastward to Pennsylvania and western New York.

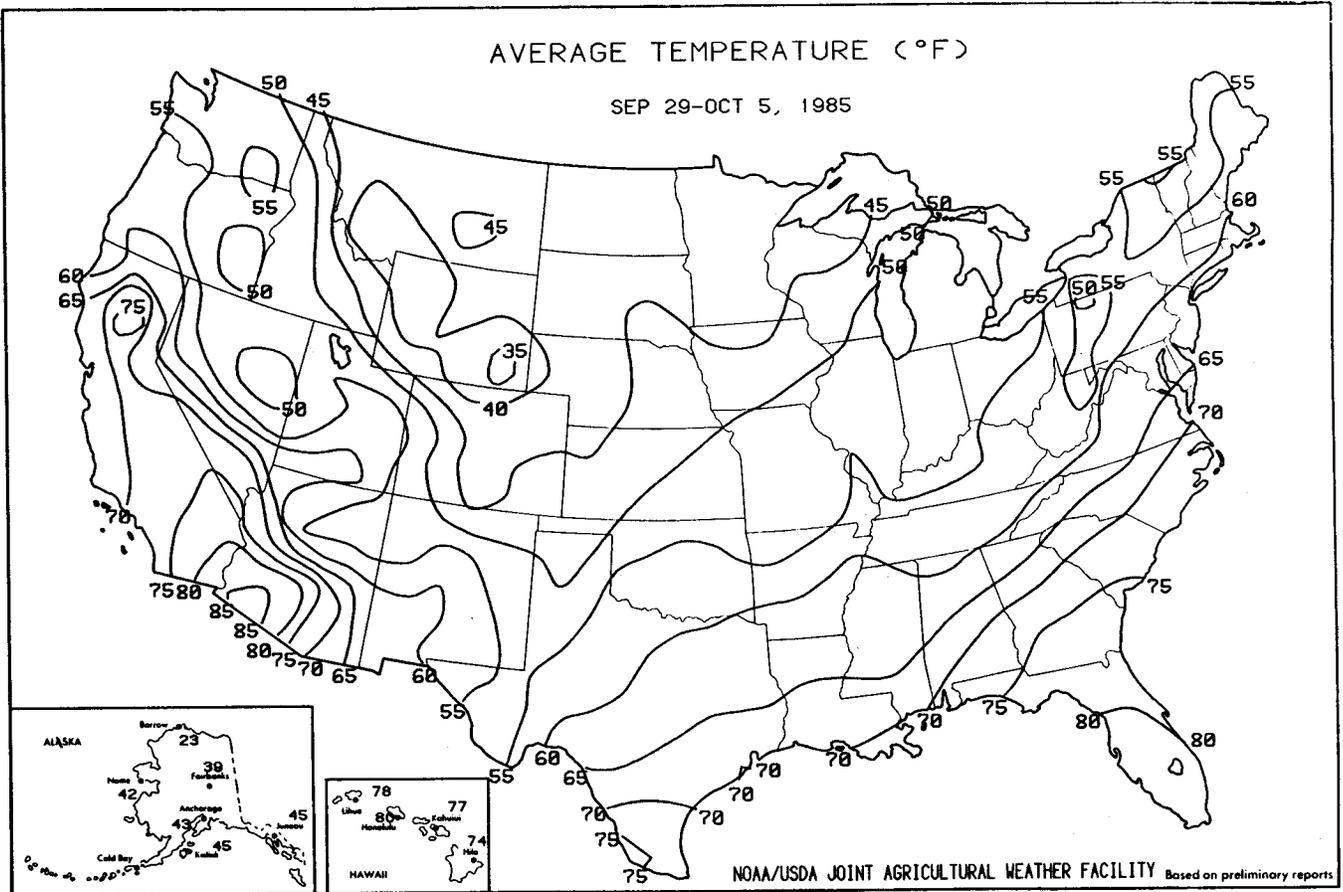
SUNDAY...Record cold weather plunged southward through the Rockies and spilled onto the Plains. Snow fell as far south as the Texas Panhandle and covered western Kansas and into eastern Nebraska. Light to moderate rainshowers and thunderstorms covered the area from eastern Texas and the Mississippi Delta through Wisconsin.

MONDAY...The line of moderate showers and thunderstorms moved to a broad line from Mississippi and Alabama to the upper Ohio Valley and western New York. Light showers covered the upper Mississippi Valley. Record cold temperatures were recorded again through the High Plains, but the cold air mass was moderating.

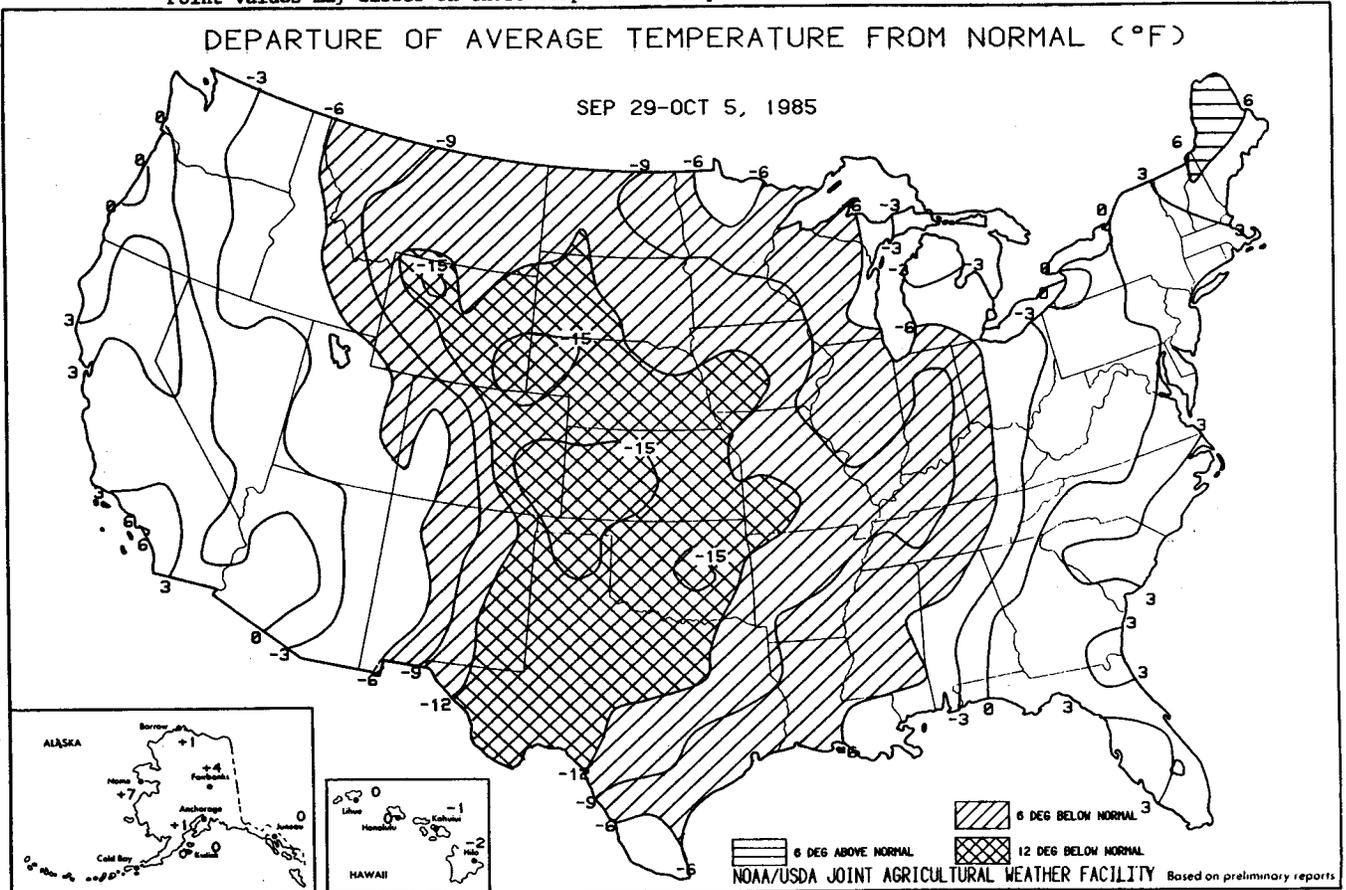
TUESDAY...Another surge of cold air brought more record cold temperatures to the central and northern High Plains and eastward to Iowa. The line of showers and thunderstorms moved into the Appalachians and the eastern Piedmont. Light showers fell along the east coast, western Texas, and the northern High Plains.

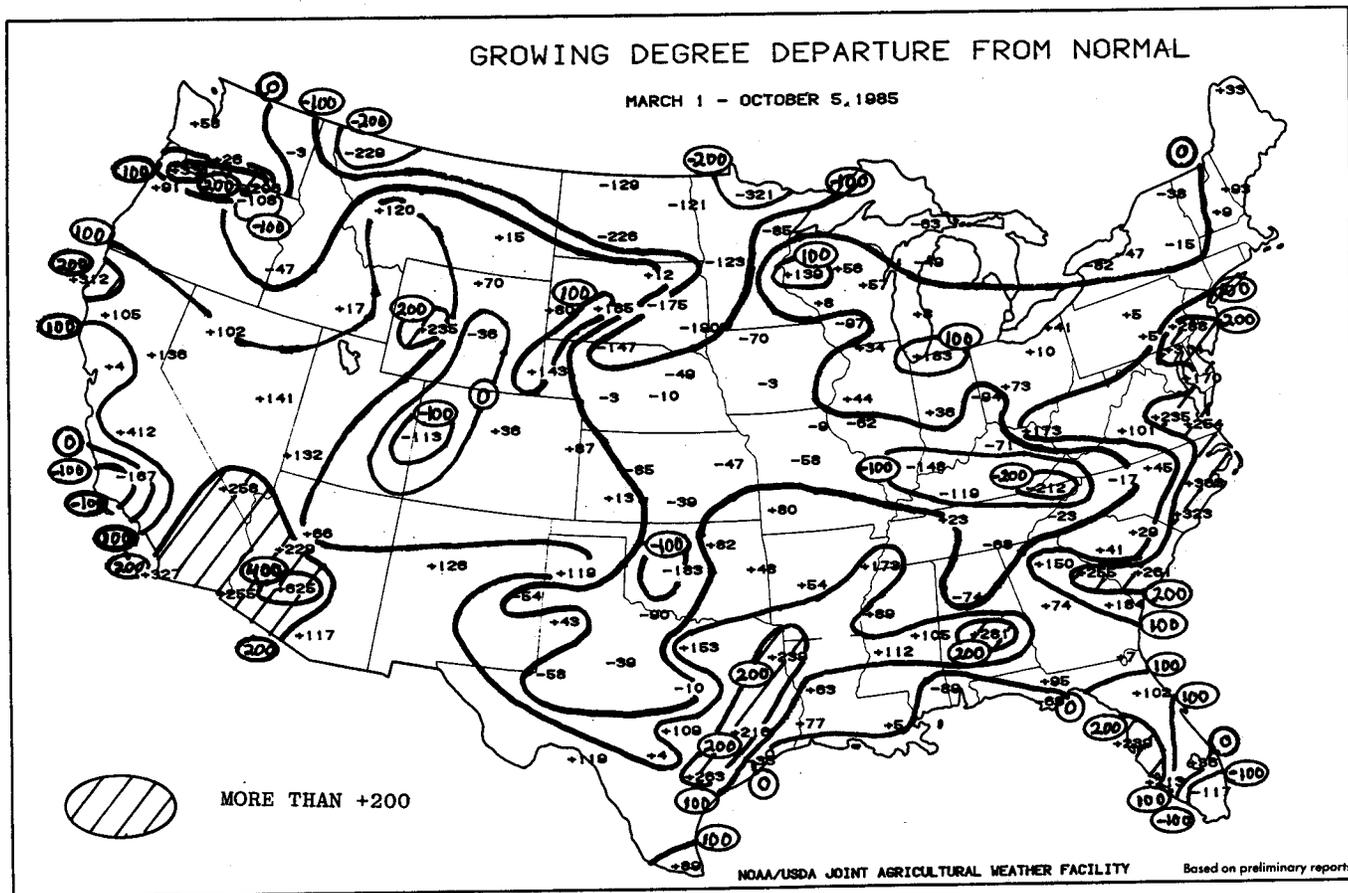
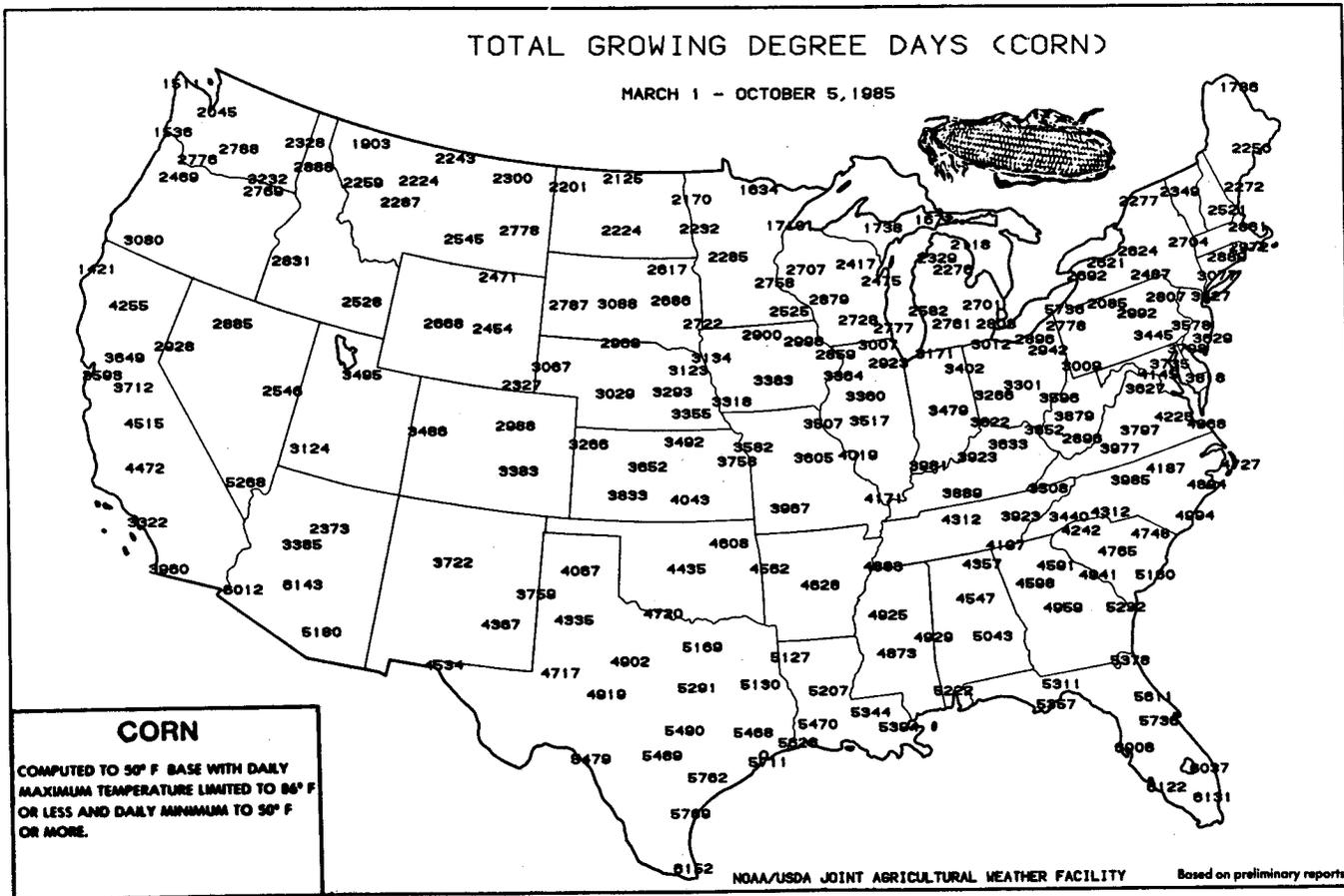
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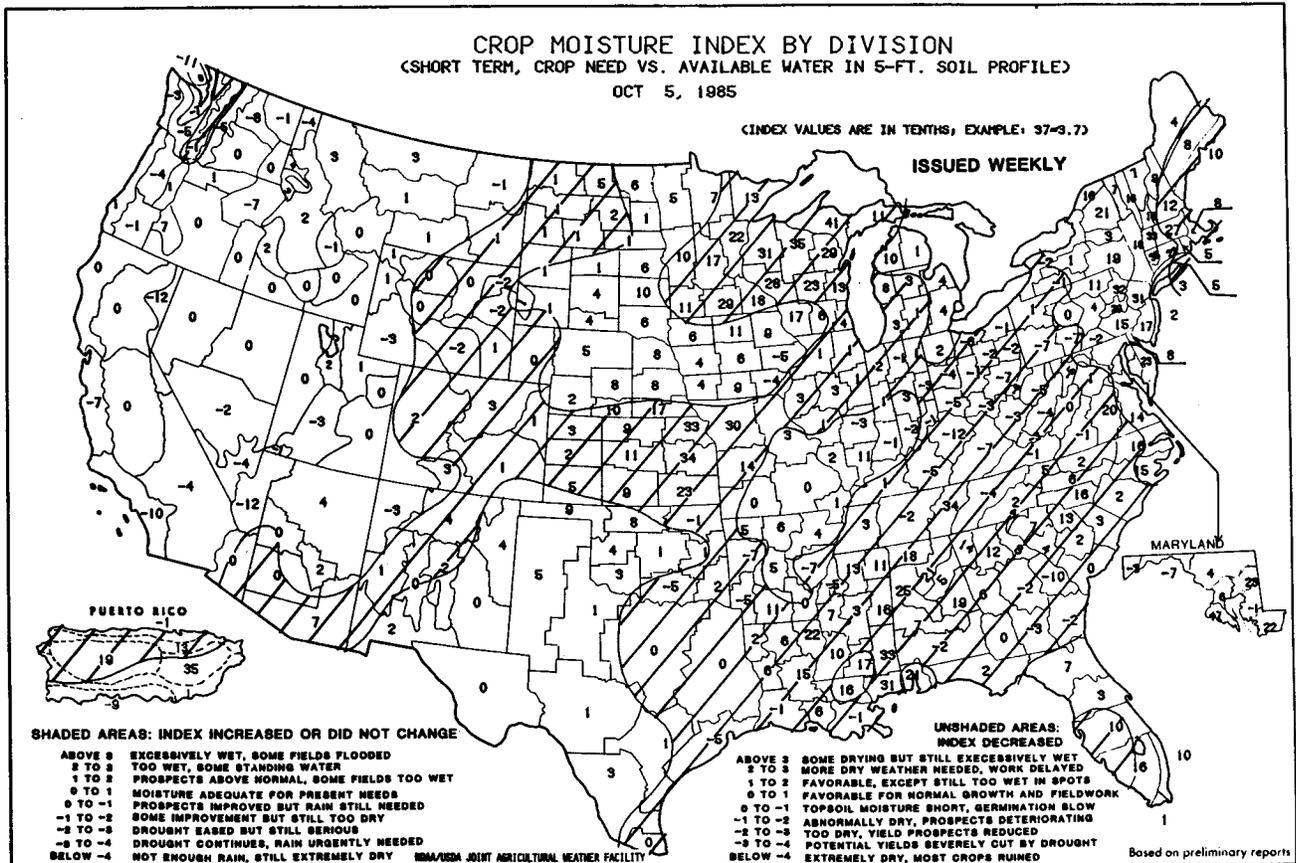
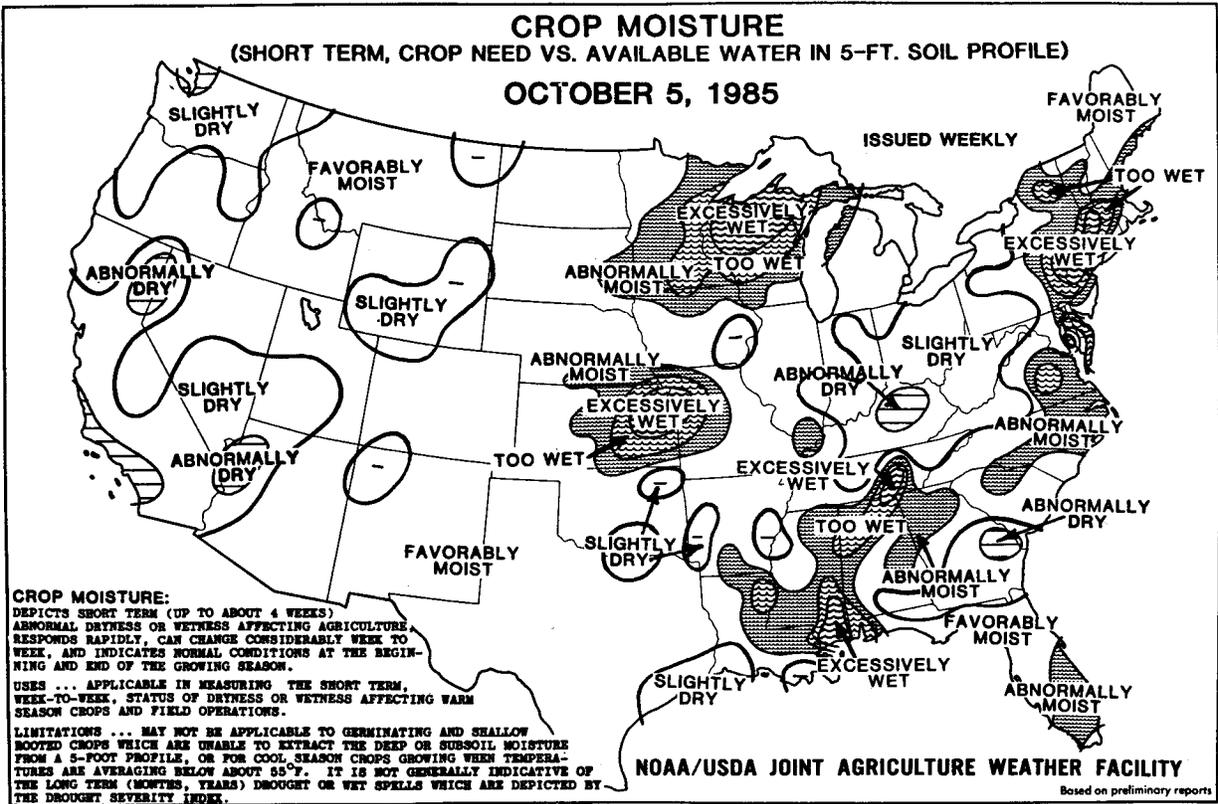


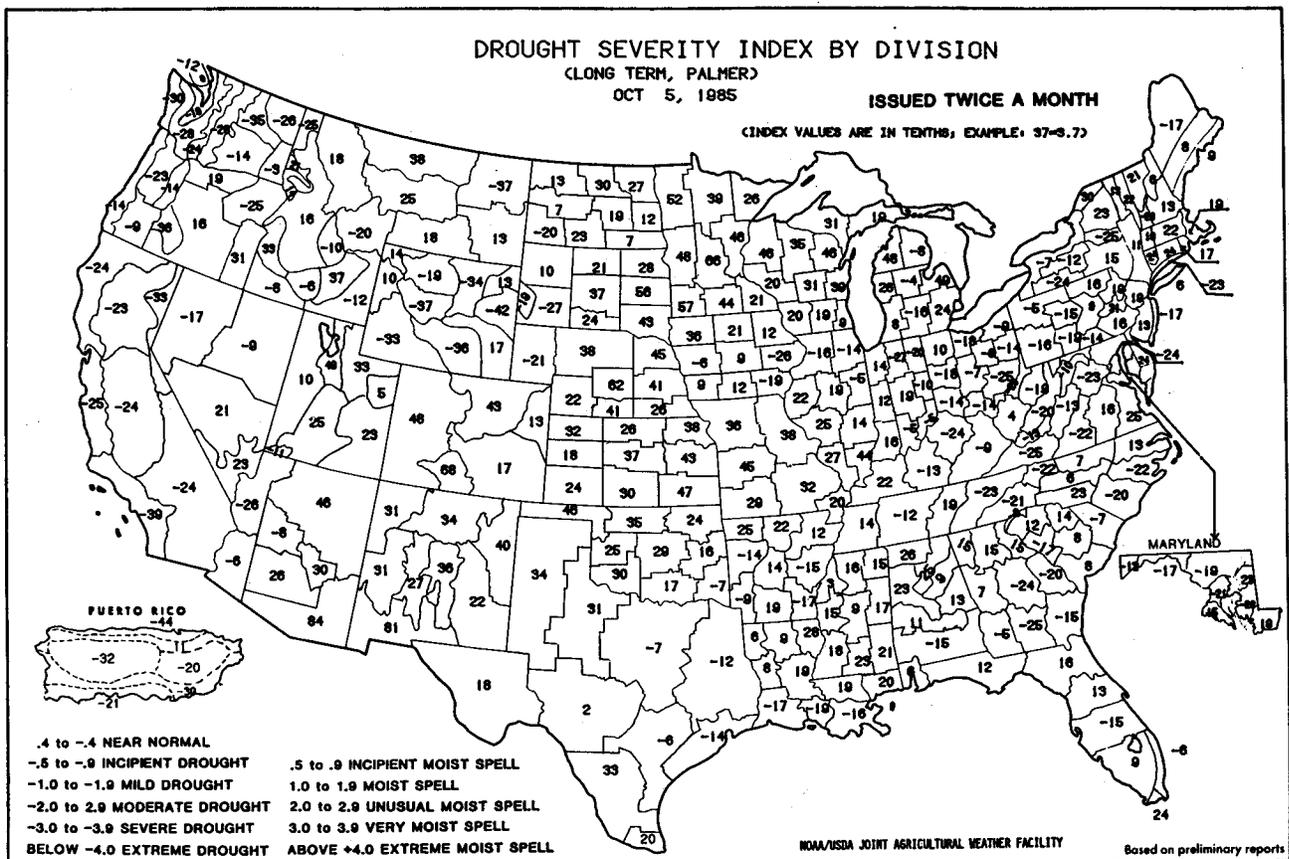
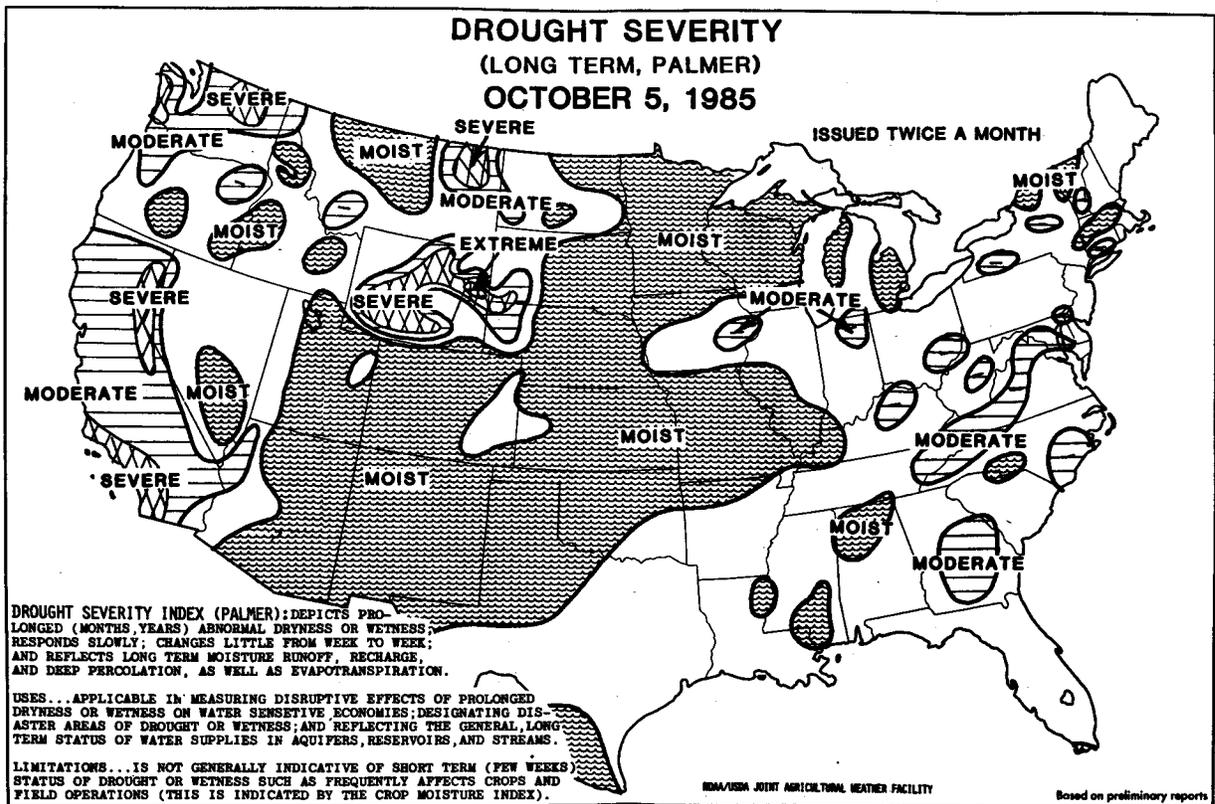


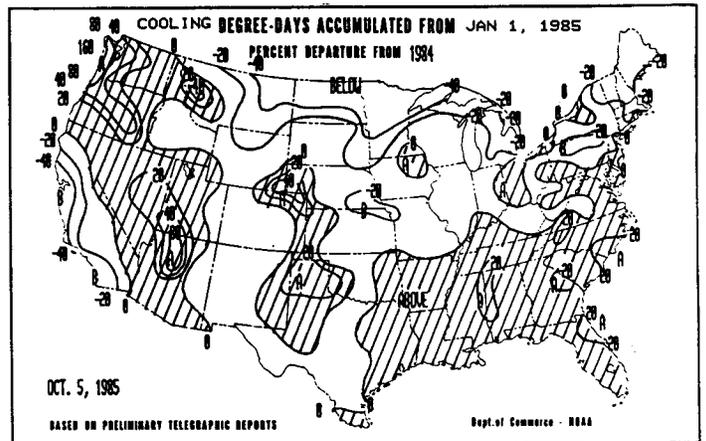
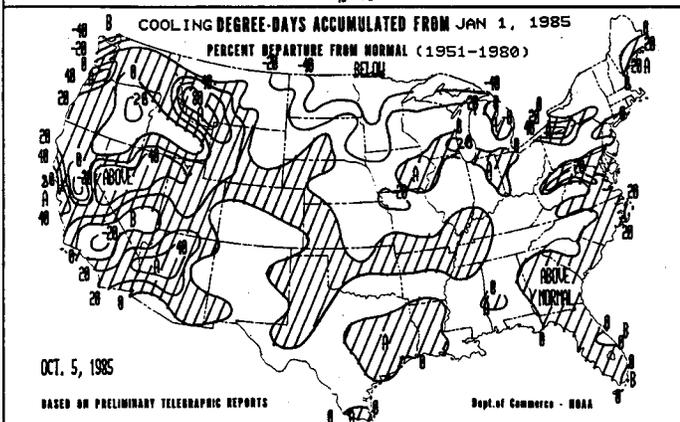
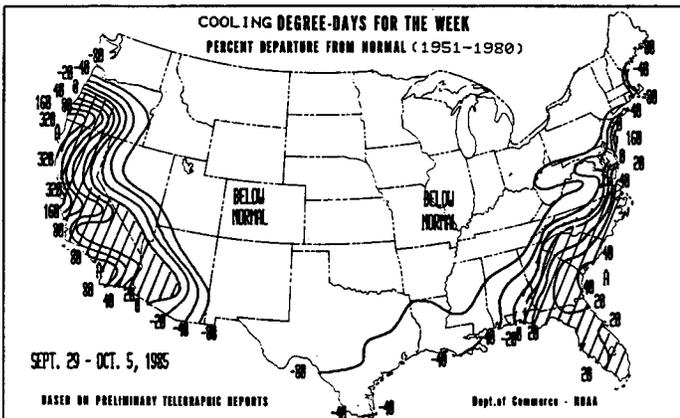
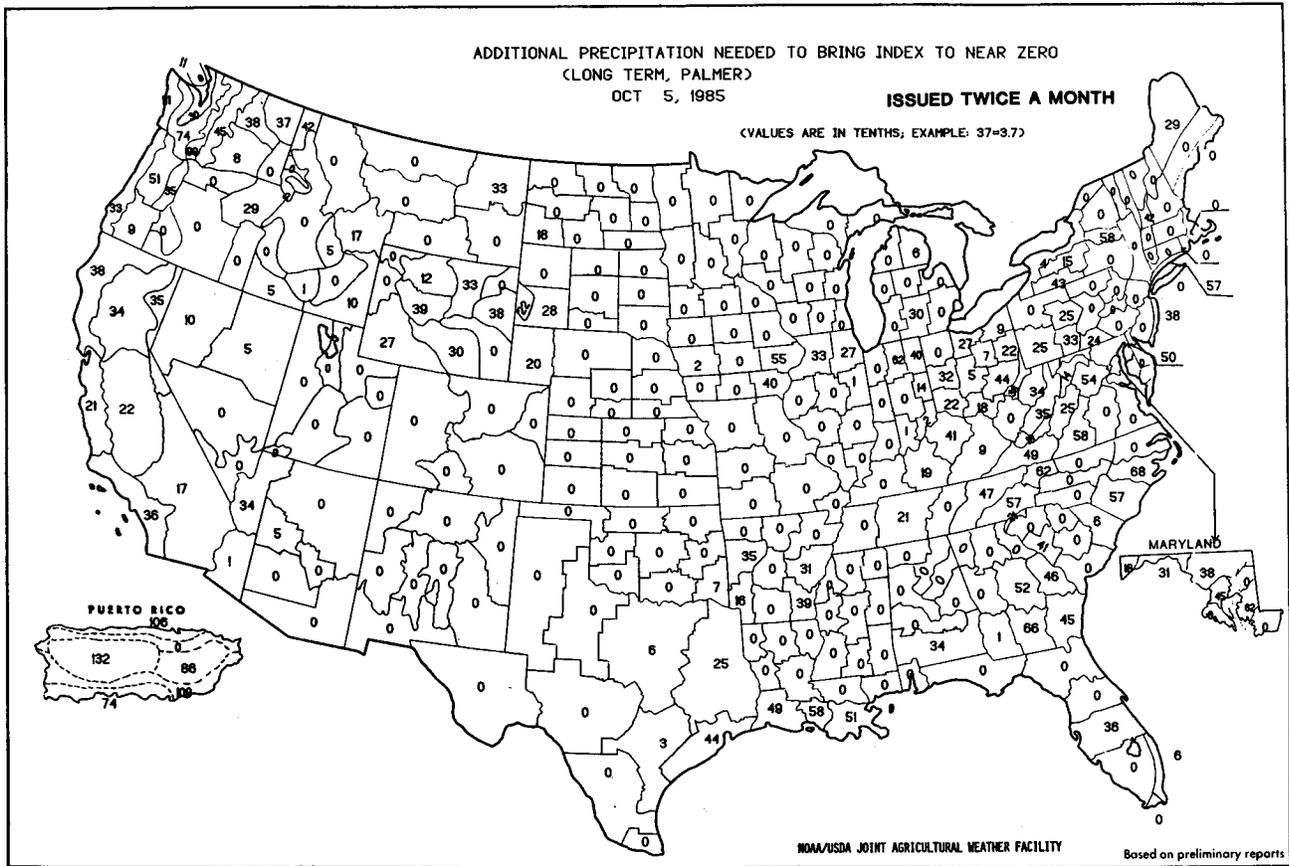
Point values may differ on these computerized maps from the reported values in the tables.











Weather Data for the Week Ending October 5, 1985

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	72	52	81	42	62	-6	2.1	1.3	1.1	4.3	88	41.3	94	97	71	0	0	3	2
MOBILE	76	59	86	51	67	-6	1.4	.4	1.2	10.5	145	51.0	95	89	64	0	0	2	1
MONTGOMERY	79	58	85	52	69	-3	2.2	1.4	2.1	4.8	92	37.6	97	60	0	0	2	1	
AK ANCHORAGE	50	36	54	27	43	1	T	-5	T	3.1	110	12.9	111	92	56	0	2	0	
BARROW	28	19	37	15	23	1	T	-1	T	.6	83	2.9	76	100	87	0	7	1	
FAIRBANKS	45	32	53	29	39	4	.1	-1	.1	2.7	214	9.8	117	97	62	0	4	2	
JUNEAU	49	41	51	33	45	-1	2.3	.6	.7	7.4	96	28.3	79	97	74	0	5	2	
KODIAK	52	37	57	31	45	0	2.7	.5	1.6	9.1	99	55.4	105	96	62	0	3	2	
NOME	44	39	45	35	42	7	1.8	1.5	1.2	6.6	253	17.0	139	94	74	0	6	1	
AZ PHOENIX	92	70	96	65	81	1	0	-1	0	1.6	216	4.6	88	54	20	5	0	0	
PRESCOTT	77	44	85	41	61	0	.1	-2	.1	.6	37	10.2	69	84	27	0	1	0	
TUCSON	86	60	94	55	73	-3	0	-3	0	1.2	77	9.8	110	65	22	1	0	0	
YUMA	97	71	103	65	84	1	0	-1	0	1.2	410	1.5	79	64	22	7	0	0	
AR FORT SMITH	69	42	79	36	56	-13	1.5	.7	1.5	3.6	96	34.1	110	95	38	0	1	1	
LITTLE ROCK	70	48	80	42	59	-10	.3	-4	.3	8.5	196	35.1	98	80	46	0	1	0	
CA BAKERSFIELD	86	60	95	56	73	0	0	0	0	2	160	2.2	54	71	32	3	0	0	
EUREKA	64	50	81	48	57	2	T	-3	T	1.0	89	13.2	55	95	70	0	0	0	
FRESNO	88	58	97	55	73	4	0	-1	0	.4	205	3.8	52	74	31	3	0	0	
LOS ANGELES	79	64	95	59	72	4	T	0	T	.3	213	3.8	44	75	44	1	0	1	
RED BLUFF	91	58	99	51	75	4	0	-1	0	1.1	202	6.6	48	68	23	5	0	0	
SACRAMENTO	86	54	98	50	70	2	0	-1	0	.5	147	4.9	44	87	30	3	0	0	
SAN DIEGO	81	67	98	63	74	4	T	0	T	.2	90	2.6	40	80	51	1	0	0	
SAN FRANCISCO	78	56	94	51	67	4	0	-1	0	.2	62	7.1	55	88	43	2	0	0	
CO DENVER	58	29	76	17	43	-14	.1	-2	.1	2.3	163	13.7	104	79	31	0	4	1	
GRAND JUNCTION	68	39	75	32	54	-8	0	-2	0	1.7	206	8.1	135	52	16	0	1	0	
PUEBLO	62	29	85	24	45	-15	.1	0	.1	.7	81	11.7	124	86	29	0	6	1	
CT BRIDGEPORT	69	54	77	48	61	0	.8	.1	.6	2.4	64	28.4	91	92	64	0	0	3	
HARTFORD	67	48	76	40	57	0	1.5	.6	.9	5.3	117	28.7	86	87	59	0	0	4	
DC WASHINGTON	72	58	79	54	65	0	1.4	.7	1.1	8.1	217	28.3	92	95	61	0	0	2	
FL APALACHICOLA	85	69	88	59	77	3	.1	-1.2	.1	5.5	59	46.8	102	92	65	0	0	3	
DAYTONA BEACH	86	73	90	70	79	3	.8	-6	.5	11.3	148	39.4	99	97	67	1	0	5	
JACKSONVILLE	87	68	91	64	78	4	2.0	.7	1.5	17.2	212	44.8	98	98	63	2	0	3	
KEY WEST	87	78	89	75	83	1	.6	-7	.4	6.6	88	34.4	112	89	70	0	0	3	
MIAMI	88	75	89	73	81	1	1.1	-8	.4	9.2	98	46.8	99	89	60	0	0	6	
ORLANDO	89	72	92	71	81	3	1.8	-.9	1.4	7.1	113	42.0	100	98	58	3	0	2	
TALLAHASSEE	87	66	90	55	76	3	.6	-5	.6	2.2	31	42.2	78	98	57	1	0	2	
TAMPA	90	73	91	72	82	3	1.6	.7	1.1	10.3	150	39.0	95	96	57	5	0	4	
WEST PALM BEACH	86	74	91	71	80	1	2.7	.5	1.5	9.9	91	43.5	91	94	64	1	0	5	
GA ATLANTA	76	58	81	51	67	-1	4.0	3.3	3.9	6.6	183	41.6	107	91	59	0	0	2	
AUGUSTA	85	61	89	47	73	4	3.7	3.1	2.7	4.1	104	26.3	73	90	46	0	0	3	
MACON	83	62	87	46	72	2	1.1	.5	.5	2.9	79	26.9	73	97	57	0	0	4	
SAVANNAH	85	62	88	53	74	2	1.1	.3	.5	1.9	32	30.4	70	97	54	0	0	4	
HI HILLO	81	68	82	65	74	-2	1.3	-.4	.6	11.9	152	98.2	107	94	69	0	0	4	
HONOLULU	89	72	91	70	80	0	T	-2	T	1.1	138	9.6	64	83	46	1	0	2	
KAHULUI	85	68	87	65	77	-1	T	-1	T	.1	21	6.5	47	87	54	0	0	0	
LIHUE	83	73	85	71	78	0	.5	-2	.5	3.2	112	20.2	69	82	61	0	0	2	
ID BOISE	68	38	74	34	53	-5	0	-1	0	1.8	265	7.3	87	73	21	0	0	0	
LEWISTON	65	40	72	31	53	-5	T	-2	T	1.8	196	8.2	86	64	25	0	1	0	
POCATELLO	64	27	74	19	46	-8	0	-2	0	1.4	180	7.7	94	66	19	0	5	0	
IL CHICAGO	63	40	76	34	51	-8	.9	-.3	.8	2.6	69	26.2	96	81	42	0	0	4	
MOLINE	62	42	73	33	52	-7	.6	-2	.3	2.0	46	24.4	78	91	47	0	0	4	
PEORIA	62	41	75	33	52	-8	.9	-.2	.7	4.1	99	30.0	104	91	46	0	0	3	
QUINCY	64	41	74	32	53	-9	1.0	.1	.5	3.7	77	25.6	85	89	45	0	1	3	
ROCKFORD	61	40	73	32	51	-7	1.1	-.3	.8	3.7	87	25.8	85	90	49	0	1	4	
SPRINGFIELD	64	42	76	34	53	-9	.4	-.3	.3	1.0	28	26.8	97	86	40	0	0	3	
IN EVANSVILLE	66	40	76	34	53	-10	.3	-.3	.3	3.6	117	32.1	98	81	39	0	0	1	
FORT WAYNE	62	39	74	29	50	-9	.5	-.1	.3	3.0	102	25.8	95	94	46	0	1	2	
INDIANAPOLIS	63	40	74	31	51	-10	.3	-.2	.3	2.8	89	33.5	108	96	48	0	1	2	
SOUTH BEND	61	42	75	34	51	-8	1.0	-.3	.5	2.6	69	27.2	92	90	47	0	0	3	
IA DES MOINES	56	38	66	29	47	-13	1.5	-.9	1.4	5.5	156	21.8	82	90	51	0	1	3	
SIoux CITY	56	38	67	31	47	-12	.6	-.1	.5	4.6	160	20.7	93	92	51	0	1	3	
WATERLOO	54	38	67	32	46	-10	1.6	-.9	1.3	5.6	143	24.2	86	90	57	0	1	2	
KS CONCORDIA	58	37	74	32	48	-15	-.9	-.4	.6	2.7	81	22.1	92	90	48	0	1	2	
DOBGE CITY	60	35	79	29	48	-16	.7	-.4	.7	3.7	177	18.9	103	86	44	0	3	1	
GOODLAND	58	30	75	19	44	-15	.3	0	.3	1.7	106	20.0	137	84	35	0	5	1	
TOPEKA	61	39	77	29	50	-13	1.3	.6	1.1	8.4	212	36.9	132	93	47	0	1	3	
WICHITA	61	40	75	31	50	-15	.7	-.1	.6	5.9	149	25.8	107	90	47	0	1	2	
KY BOWLING GREEN	67	44	77	38	55	-9	2.1	1.5	2.1	4.7	130	31.9	84	98	50	0	0	2	
LEXINGTON	65	44	79	36	54	-9	1.1	-.6	.8	2.3	63	27.8	76	96	54	0	0	1	
LOUISVILLE	67	45	76	38	56	-8	.5	-.2	.5	1.5	39	28.1	82	92	47	0	0	2	
LA ALEXANDRIA	77	54	88	48	66	-7	.5	-.3	.3	4.5	140	40.7	98	83	44	0	0	3	
BATON ROUGE	78	57	87	51	68	-6	1.4	.6	1.1	6.3	128	45.1	101	93	58	0	0	2	
LAKE CHARLES	78	56	87	50	67	-7	1.0	0	.9	2.1	35	33.4	81	93	48	0	0	2	
NEW ORLEANS	77	62	87	58	70	-4	1.5	.6	1.0	5.8	89	47.9	99	84	57	0	0	3	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending October 5, 1985

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
ME SHREVEPORT	75	50	86	45	62	-10	1.3	.6	1.3	4.4	116	33.8	99	90	39	0	0	1	1
ME CARIBOU	63	45	73	35	54	6	.2	-.4	.2	2.6	66	22.2	81	93	60	0	0	2	0
ME PORTLAND	66	49	72	41	57	4	2.7	2.0	1.7	5.7	149	23.9	77	92	62	0	0	3	2
MD BALTIMORE	71	54	80	48	62	-1	.9	.1	4.7	7.1	178	29.6	91	95	61	0	0	2	0
MD SALISBURY	75	55	78	48	65	3	.7	-.2	.5	6.7	148	30.6	87	99	61	0	0	3	0
MA BOSTON	69	55	78	52	62	3	.9	.1	.3	3.8	97	28.1	87	95	67	0	0	4	0
MA CHATHAM	68	56	74	52	62	4	35.5	34.6	35.0	37.9	876	70.1	205	95	59	0	0	3	1
MI ALPENA	59	41	73	35	50	-2	.4	-.1	.2	3.3	102	25.4	110	95	59	0	0	3	0
MI DETROIT	62	42	70	34	52	-6	.3	-.2	.2	2.7	104	29.3	121	84	50	0	0	3	0
MI FLINT	60	42	70	35	51	-5	.6	.1	.4	8.8	326	33.0	143	94	56	0	0	3	0
MI GRAND RAPIDS	59	43	71	36	51	-5	1.3	.6	.6	5.1	140	29.7	112	91	53	0	0	3	1
MI HOUGHTON LAKE	56	44	71	39	50	-2	.5	-.1	.2	6.4	200	26.6	121	89	61	0	0	3	0
MI LANSING	59	42	71	33	50	-6	.7	.2	.4	3.8	131	26.8	115	95	56	0	0	3	0
MI MARQUETTE	50	36	62	29	43	-6	6.1	5.2	3.0	10.3	229	41.0	141	97	68	0	3	6	4
MI MUSKEGON	59	45	69	37	52	-4	1.3	.7	.8	4.2	125	28.5	120	88	52	0	0	3	1
MI SAULT STE. MARIE	55	42	63	36	49	-1	3.6	2.8	3.0	6.5	146	32.5	128	97	68	0	0	5	1
MN ALEXANDRIA	50	36	58	31	43	-9	.4	0	.4	4.3	165	21.5	101	92	58	0	2	2	0
MN DULUTH	49	36	62	31	42	-7	1.1	.5	.6	6.2	168	27.2	109	95	67	0	3	4	1
MN INT'L FALLS	51	35	63	28	43	-5	.5	0	.3	3.4	94	26.6	128	98	53	0	2	4	0
MN MINNEAPOLIS	53	38	64	32	46	-10	2.8	2.3	1.9	6.5	227	27.2	120	92	61	0	1	4	2
MN ROCHESTER	50	36	60	31	43	-12	1.8	1.2	1.1	7.1	203	23.2	95	97	69	0	3	4	2
MS GREENWOOD	76	56	85	44	63	-7	3.5	2.8	3.5	5.3	139	27.7	68	93	43	0	0	2	1
MS JACKSON	75	50	85	43	62	-8	1.2	.5	.9	4.2	104	36.3	88	98	49	0	0	2	1
MS MERIDIAN	74	53	83	44	64	-6	4.5	3.8	3.8	6.1	152	40.3	96	97	56	0	0	2	2
MO CAPE GIRARDEAU	68	42	75	34	55	--	.3	-.4	.3	1.7	41	36.2	103	94	43	0	0	1	0
MO COLUMBIA	62	40	73	33	51	-12	.6	-.3	.5	2.2	52	39.3	134	92	46	0	0	2	0
MO KANSAS CITY	59	41	70	31	50	-13	1.7	.9	1.4	9.6	201	40.4	136	89	51	0	1	3	1
MO SAINT LOUIS	67	43	78	36	55	-9	.1	-.5	.1	.5	15	35.2	129	87	41	0	0	3	0
MO SPRINGFIELD	63	39	73	32	51	-13	.4	-.5	.4	1.7	34	36.2	115	93	42	0	1	2	0
MT BILLINGS	58	34	70	23	46	-8	.1	-.2	.1	2.0	134	10.4	83	73	29	0	2	1	0
MT GLASGOW	54	30	63	20	42	-10	T	-.1	T	.9	86	11.0	106	87	36	0	5	2	0
MT GREAT FALLS	56	30	64	21	43	-10	.2	-.1	.2	3.4	286	14.5	112	87	42	0	4	1	0
MT HAVRE	56	29	65	19	42	-9	T	-.1	T	3.1	305	9.3	95	87	35	0	4	0	0
MT HELENA	55	27	63	19	41	-10	.3	-.1	.3	2.4	250	7.5	77	90	42	0	7	2	0
MT KALISPELL	55	29	63	19	42	-6	.2	-.1	.1	4.2	337	11.6	95	95	39	0	5	2	0
MT MILES CITY	56	32	66	21	44	-10	T	-.2	T	1.5	118	10.6	88	84	36	0	4	0	0
MT MISSOULA	56	28	65	20	42	-8	.1	-.1	.1	3.7	320	10.9	104	90	35	0	4	1	0
NE GRAND ISLAND	57	35	71	28	46	-12	.6	-.2	.6	5.9	210	26.0	124	93	50	0	3	2	1
NE LINCOLN	58	33	70	27	47	-13	.6	-.1	.6	4.3	132	28.4	118	90	49	0	2	1	1
NE NORFOLK	57	34	70	24	46	-12	.6	-.2	.5	4.7	198	23.5	110	93	48	0	2	2	1
NE NORTH PLATTE	58	28	71	21	43	-13	T	-.3	T	3.2	171	16.3	92	80	34	0	6	1	0
NE OMAHA	56	37	65	30	47	-13	.8	-.2	.8	2.8	75	19.1	73	85	36	0	1	2	1
NE SCOTTSDUFF	54	27	66	19	40	-16	T	-.2	T	2.7	228	8.7	67	86	58	0	5	0	0
NE VALENTINE	54	30	64	20	42	-14	.2	0	.2	2.9	181	13.4	85	82	40	0	6	2	0
NV ELY	71	27	78	17	49	-3	T	-.1	T	1.8	228	6.3	88	76	20	0	7	0	0
NV LAS VEGAS	88	60	92	58	74	0	T	-.1	T	.1	22	.8	25	41	13	3	0	0	0
NV RENO	79	37	87	33	58	3	0	-.1	0	.6	183	2.7	50	74	15	0	0	0	0
NV WINNEMUCCA	74	28	82	21	51	-3	0	-.1	0	.5	127	3.5	61	50	12	0	4	0	0
NH CONCORD	67	47	78	38	57	4	2.6	1.9	1.4	6.3	175	23.7	88	99	63	0	0	3	2
NJ ATLANTIC CITY	74	53	78	46	63	3	.8	-.2	.7	3.1	93	25.1	78	98	62	0	0	3	1
NM ALBUQUERQUE	71	43	79	38	57	-6	T	-.2	T	1.5	151	8.2	126	77	19	0	0	0	0
NM CLOVIS	60	40	81	34	50	-14	0	-.5	0	4.5	203	24.4	168	86	50	0	0	0	0
NM ROSWELL	65	42	86	35	54	-13	T	-.3	T	1.9	97	11.4	137	83	42	0	0	0	0
NY ALBANY	66	46	75	41	56	0	1.0	-.3	.9	4.0	108	21.8	80	99	64	0	0	3	1
NY BINGHAMTON	63	45	71	38	54	0	.7	-.1	.5	5.4	142	24.9	88	98	61	0	0	3	1
NY BUFFALO	68	45	77	36	57	0	.6	-.1	.4	1.8	47	28.2	101	92	45	0	0	3	0
NY NEW YORK	71	57	77	53	64	2	1.1	-.4	.6	5.3	133	29.1	89	92	63	0	0	4	1
NY ROCHESTER	67	44	78	35	56	-1	.3	-.3	.2	2.8	91	19.5	82	95	48	0	0	2	0
NY SYRACUSE	68	46	77	36	57	1	.6	-.1	.4	4.5	118	22.6	76	95	54	0	0	3	0
NC ASHEVILLE	73	49	80	36	61	0	.9	-.1	.5	2.2	48	28.0	73	99	55	0	0	2	1
NC CHARLOTTE	77	57	82	46	67	1	2.5	1.8	1.5	3.3	80	37.2	107	95	53	0	0	4	2
NC GREENSBORO	73	52	79	43	62	-2	.9	-.1	.5	.9	21	26.4	78	95	58	0	0	3	1
NC HATTERAS	80	66	84	62	73	3	4.7	3.5	1.6	8.7	132	39.9	94	97	67	0	0	5	4
NC NEW BERN	82	63	88	52	72	4	1.0	0	.4	10.9	168	40.7	93	99	57	0	0	3	0
NC RALEIGH	75	56	81	49	66	1	1.0	.4	.4	1.2	33	29.0	87	90	54	0	0	3	0
NC WILMINGTON	84	64	89	57	74	4	.5	-.5	.3	3.2	50	33.9	76	95	57	0	0	2	0
ND BISMARCK	52	29	65	19	41	-11	.2	0	.2	1.5	99	15.5	113	92	45	0	4	4	0
ND FARGO	53	34	61	31	44	-9	.1	-.2	.1	1.5	72	16.5	96	86	48	0	4	2	0
ND GRAND FORKS	53	33	57	28	43	-8	.1	-.3	.1	1.0	42	13.8	86	88	42	0	3	1	0
ND WILLISTON	52	30	64	22	41	-10	T	-.2	T	1.1	73	9.6	79	89	42	0	4	1	0
OH AKRON-CANTON	66	43	77	37	54	-4	.4	-.1	.2	1.1	33	25.5	88	95	49	0	0	4	0
OH CINCINNATI	66	42	76	35	54	-7	.5	-.1	.4	.9	26	29.4	92	95	44	0	0	2	0
OH CLEVELAND	64	42	76	36	53	-5	.4	-.2	.2	2.2	66	26.5	95	91	48	0	0	4	0
OH COLUMBUS	67	43	79	36	55	-5	.6	-.1	.5	1.3	42	24.3	81	84	41	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending October 5, 1985

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			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	65	41	75	33	53	-7	.4	-.1	.3	1.1	39	23.1	83	81	42	0	0	2	0
TOLEDO	63	38	74	31	51	-7	.2	-.2	.1	2.6	92	27.9	111	94	47	0	2	2	0
YOUNGSTOWN	66	40	76	33	53	-4	.2	-.4	.2	2.7	75	27.2	92	97	51	0	0	2	0
OK OKLAHOMA CITY	64	43	79	37	53	-15	1.3	.6	1.3	4.6	117	35.0	135	80	40	0	0	1	1
TULSA	67	44	78	38	56	-13	.6	-.3	.6	3.3	65	37.3	118	83	38	0	0	1	1
OR ASTORIA	66	43	73	34	55	-1	T	-1.0	T	3.2	83	24.8	58	98	59	0	0	1	0
BURNS	69	29	77	21	49	-5	0	-.1	0	1.1	154	5.5	106	--	--	0	5	0	0
MEDFORD	85	43	91	38	64	4	0	-.3	0	1.5	162	6.3	52	86	19	1	0	0	0
PENDLETON	68	42	72	31	55	-3	T	-.1	T	2.1	310	7.1	87	58	23	0	1	0	0
FORTLANC	72	45	78	39	59	0	0	-.5	0	2.7	140	13.6	59	89	35	0	0	0	0
SALEM	76	41	81	34	58	1	0	-.5	0	1.3	63	13.1	53	87	26	0	0	0	0
PA ALLENTOWN	68	50	76	45	59	0	.7	-.1	.5	9.4	207	36.1	105	98	67	0	0	4	1
ERIE	67	48	78	41	57	1	.7	-.1	.4	2.9	66	27.8	94	89	48	0	0	4	0
HARRISBURG	68	53	77	49	60	0	.7	0	.4	4.5	109	26.1	86	94	62	0	0	4	0
PHILADELPHIA	72	54	80	50	63	1	1.5	.8	.9	7.2	186	28.1	87	95	63	0	0	4	1
PITTSBURGH	68	45	77	42	56	-2	.5	-.1	.3	.8	24	23.4	80	91	45	0	0	3	0
SCRANTON	67	50	76	43	58	1	1.3	.6	1.0	9.1	238	33.2	122	94	61	0	0	3	1
RI PROVIDENCE	70	51	77	46	60	2	1.2	.4	1.0	2.8	69	31.5	94	99	63	0	0	3	1
SC CHARLESTON	85	65	89	57	75	4	2.1	1.2	1.6	4.6	83	41.2	94	97	58	0	0	4	1
COLUMBIA	83	58	88	43	71	2	3.2	2.4	1.3	3.2	68	35.7	87	93	44	0	0	4	2
FLORENCE	84	60	88	53	72	3	.5	-.3	.4	1.7	38	25.4	69	97	47	0	0	2	0
GREENVILLE	77	56	83	45	67	1	1.4	.4	.8	3.0	60	32.8	81	98	52	0	0	3	1
SD ABERDEEN	54	33	66	27	44	-10	.2	-.1	.1	2.9	172	15.9	100	92	46	0	3	2	0
HURON	55	35	65	25	45	-10	.4	.1	.2	3.7	233	21.3	131	92	43	0	2	2	0
RAPID CITY	54	31	64	20	42	-13	.1	-.1	.1	1.6	135	9.6	65	82	34	0	5	3	0
SILOUX FALLS	51	34	60	29	43	-12	.3	-.2	.1	3.5	112	24.1	113	94	60	0	2	4	0
TN CHATTANOOGA	71	50	80	44	61	-6	2.7	1.9	2.6	3.6	74	31.6	77	94	60	0	0	3	1
KNOXVILLE	73	48	86	39	60	-5	1.5	.9	1.2	1.9	56	27.2	74	98	54	0	0	5	1
MEMPHIS	72	50	82	45	61	-8	1.6	1.0	1.0	4.0	100	37.2	92	90	40	0	0	2	2
NASHVILLE	70	45	80	39	57	-9	.7	.1	.4	2.9	68	24.8	65	95	52	0	0	2	0
TX ABILENE	69	45	84	40	57	-14	1.0	.3	1.0	1.3	36	13.2	95	53	38	0	0	1	1
AMARILLO	60	37	79	31	49	-16	.6	.3	.6	5.0	258	18.7	111	88	44	0	2	1	1
AUSTIN	75	55	83	50	65	-10	1.2	.4	1.2	4.0	95	20.9	85	80	42	0	0	1	1
BEAUMONT	79	56	88	50	68	-7	1.3	.2	1.0	7.4	107	50.0	122	95	50	0	0	2	1
BROWNSVILLE	83	63	91	55	73	-6	2.8	1.7	2.8	6.0	100	27.4	136	96	55	2	0	1	1
CORPUS CHRISTI	80	59	90	52	70	-8	5.9	4.8	5.3	8.4	121	30.0	121	91	50	2	0	2	2
DEL RIO	73	53	81	49	63	-13	.8	.1	.8	2.8	88	15.7	111	81	38	0	0	1	1
EL PASO	69	49	81	47	59	-10	.3	.1	.3	1.3	113	6.5	98	90	41	0	0	1	0
FORT WORTH	71	49	82	44	60	-14	1.2	.4	1.2	3.3	86	23.0	95	80	37	0	0	1	1
GALVESTON	76	61	85	56	69	-8	.8	-.1	.4	2.9	45	33.0	105	77	49	0	0	2	0
HOUSTON	78	56	88	51	67	-7	2.7	1.7	2.5	4.7	83	33.9	97	89	43	0	0	2	1
LUBBOCK	65	42	84	35	53	-13	.2	-.3	.2	4.7	197	19.1	125	86	41	0	0	1	0
MIDLAND	67	45	85	41	56	-14	.1	-.4	.1	3.2	135	10.4	90	85	42	0	0	2	0
SAN ANGELO	70	47	83	40	58	-14	1.7	1.1	1.7	2.9	82	15.7	105	90	43	0	0	2	1
SAN ANTONIO	75	53	83	47	64	-11	2.0	1.3	2.0	4.8	112	32.3	140	87	44	0	0	1	1
VICTORIA	79	56	88	50	67	-9	1.2	0	1.0	3.3	47	33.9	113	93	48	0	0	2	1
WACO	72	50	82	46	61	-13	2.6	1.9	2.6	6.4	171	23.6	97	87	42	0	0	1	1
WICHITA FALLS	70	44	86	40	57	-14	.4	-.4	.4	1.5	37	25.7	117	79	35	0	0	1	0
UT BLANDING	69	37	74	30	53	-4	0	-.3	0	3.4	308	12.1	148	65	22	0	2	0	0
CEDAR CITY	73	35	80	25	54	-4	0	-.2	0	.7	67	7.2	90	66	17	0	1	0	0
SALT LAKE CITY	68	42	73	34	55	-4	0	-.2	0	2.0	190	11.4	97	66	25	0	0	0	0
VT BURLINGTON	66	47	74	40	57	4	1.4	.7	.6	4.6	125	26.0	100	90	58	0	0	3	1
VA NORFOLK	78	61	82	52	69	3	1.4	.6	1.0	7.8	157	35.8	98	93	60	0	0	3	1
RICHMOND	72	55	81	49	64	0	2.1	1.2	1.4	7.0	170	38.7	113	91	60	0	0	3	2
ROANOKE	73	51	80	42	62	0	1.6	.8	1.2	2.8	76	34.4	112	88	53	0	0	3	1
WA COLVILLE	62	36	67	25	49	-3	.1	-.1	.1	2.5	245	9.6	80	71	40	0	3	1	0
QUILLAYUTE	65	39	72	34	52	-2	.4	-.5	.4	5.1	78	34.3	53	96	52	0	0	2	0
SEATTLE-TACOMA	65	48	69	44	56	0	T	-.6	T	2.0	81	13.4	57	83	45	0	0	0	0
SPOKANE	63	34	68	24	48	-5	.1	-.2	.1	1.7	197	6.9	62	76	24	0	3	1	0
YAKIMA	69	33	74	24	51	-4	0	-.1	0	.8	221	3.2	60	87	26	0	4	0	0
WV BECKLEY	67	48	76	43	58	0	.5	-.1	.3	1.1	28	27.1	80	95	57	0	0	4	0
CHARLESTON	71	49	85	43	60	-2	1.2	.6	1.0	1.9	55	27.4	80	84	49	0	0	5	1
HUNTINGTON	68	48	81	42	58	-4	.9	.3	.9	1.3	36	30.9	94	98	56	0	0	3	1
PARKERSBURG	69	48	81	44	59	-2	.6	.1	.5	1.2	37	21.5	63	95	48	0	0	3	0
WI GREEN BAY	56	40	64	32	48	-6	1.8	1.2	1.2	5.1	142	30.4	132	94	59	0	1	4	1
LA CROSSE	53	41	64	34	47	-9	1.2	.6	1.0	5.9	150	23.0	88	89	60	0	0	4	1
MADISON	59	42	66	36	50	-5	.7	.1	.3	5.4	155	27.2	106	91	54	0	0	4	0
MILWAUKEE	59	43	69	37	51	-5	1.1	.5	.8	4.4	133	23.0	92	87	51	0	0	4	1
WAUSAU	51	39	61	30	45	-7	3.4	2.7	1.5	7.5	172	27.8	104	94	67	0	1	5	2
WY CASPER	55	25	68	17	40	-13	T	-.2	T	1.1	125	8.6	91	86	28	0	6	1	0
CHEYENNE	52	24	70	8	38	-15	.1	-.1	.1	1.8	145	17.2	145	80	35	0	6	2	0
LANDER	55	28	69	20	41	-12	T	-.3	T	1.7	158	7.3	68	76	30	0	5	1	0
SHERIDAN	53	28	66	18	40	-12	.3	0	.3	1.9	139	9.1	73	88	37	0	5	1	0
PR SAN JUAN	86	74	88	71	80	-2	2.2	.8	.8	7.0	101	28.4	73	88	68	0	0	7	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

September Weather and Crop Summary

SEPTEMBER WEATHER SUMMARY

HIGHLIGHTS: Three tropical systems invaded the Nation during the month. Early in the month Tropical Storm Elena spread heavy rain over the northeastern gulf coast and through the Mississippi Delta. In the last week of the month tropical Storm Henri and then Hurricane Gloria moved up the east coast and into New England. Henri spread showers from North Carolina to New England, and hard on its heels, Gloria moved over the outer banks of North Carolina and stayed just off the east coast, lashing the coastline with hurricane winds and dumping torrential rain inland. The hurricane followed Henri into New England. In spite of the heavy rain along the coast, the piedmont from Georgia to Pennsylvania remained dry. The dryness extended through the eastern Corn Belt. Rain continued to fall in the previously dry Montana area. Very light showers fell early in the valleys of California where raisins were spread to dry but most of the drying period remained dry. The first snow of the season fell in western Montana and in the upper Mississippi Valley. Much cooler than normal temperatures covered most of the West, and only the Northeast was slightly warmer than normal.

FIRST WEEK...Hurricane Elena moved northwestward from its stationary position in the northeastern Gulf of Mexico and made landfall at Biloxi, Mississippi. Wind, rain, and tornadoes lashed the gulf coast from Florida to Louisiana. The storm weakened rapidly as it moved inland, but heavy showers reached from the Mississippi Delta through Arkansas to southern Illinois. Moderate to heavy thunderstorms covered most of southeastern Texas and from Nebraska and North Dakota to New England. Lighter showers were scattered over all of the West, including the California valleys where raisins were spread out to dry. Temperatures were unusually warm in all but the extreme northern Plains and across the Corn Belt to the mid-Atlantic States.

SECOND WEEK...A much cooler air mass began pushing southward through the Great Lakes early in the week, and by the end of the week, covered all of the East. Cool weather continued in the West until the end of the week. Cool, clear weather covered the western, southern, and eastern Corn Belt. Showers and thunderstorms were heavy from the northern Plains, through the Great Lakes, to the upper third of the east coast. Later, thunderstorms triggered heavy rain through the Plains. Light showers fell in central and southern California early in the week but later days were generally dry. Showers were most welcome from north central Utah through central and western Montana.

THIRD WEEK...Harbingers of winter were experienced in both the East and the West. Record cool temperatures reached from Michigan to New England and down the east coast into Florida. Cold weather spread through the Rockies and Plateau in the West, and parts of the northern Plains had their first snow of the season. Showers and thunderstorms were heavy at times from western Texas to the upper Mississippi Valley, and through Florida and southern Texas. Lighter showers covered most of the West but the valleys of California remained dry. Dry weather extended from central Texas northeastward through the Ohio Valley to New England, and through the East Coast States to the coasts of Georgia and South Carolina.

FOURTH WEEK...Tropical Storm Henri moved northward along the Atlantic Coast and triggered showers and

thunderstorms from North Carolina into New England. Later in the week, Hurricane Gloria, a powerful storm, moved onto the North Carolina Coast and then moved northward along and just off the coast until it pushed into New England and weakened. Hurricane winds hugged the coastline until the storm went inland across Long Island, New York and then the strong wind damaged crops and other property. Coastal areas from North Carolina to New York were seriously damaged from torrential rain and strong wind. Elsewhere the coldest air of the season pushed into the northern Rockies and Plateau and then moved eastward across the Plains. Freezing weather pushed to a line from western Kansas to upper Michigan. Light snow covered the ground in most freezing areas.

On the last two days of the month, showers and thunderstorms spread through the Plains and moved to the Appalachians.

SEPTEMBER ROW CROP DEVELOPMENT

Below-normal temperatures during September slowed crop development and maturity across most of the Nation. Early in the month excessive heat and the lack of moisture stressed crops in some Southeastern States and dry areas of the Great Plains. The last week of September, snow and freezing temperatures over the central and northern Great Plains virtually ended the growing season. Damage was limited to mostly late planted crops in North Dakota, Nebraska and Kansas.

Corn was 83% mature by September 29th, compared with 82% normally. Corn maturity was 21 and 24 points behind normal in Wisconsin and South Dakota, respectively. Harvest was 12% finished in the 17 major producing States, equaling last year but 3 points below average. Harvest ranged from 1% complete in both Minnesota and South Dakota to 90% complete in Georgia. Harvest was behind normal in 9 of the 17 major producing States.

Soybean acreage dropping leaves totaled 62%, 3 points below the average at month's end. Harvest was 7% complete, compared with 11% in 1984 and the 12% average. In the 19 major producing States, leaf dropping was ahead of normal in 5 States and harvest exceeded the normal pace in 3 States. Harvest had not started in South Carolina and Tennessee and was just beginning in Minnesota, Nebraska, and South Dakota.

Cotton was mostly good during the month. Bolls were opening on 70% of the acreage, slightly ahead of normal. Cotton was 18% harvested, 7 points ahead of 1984 and 4 points above the average. Harvesting progress ranged from none harvested in California and New Mexico to 47% harvested in Louisiana. On September 29, harvest was 9, 10, and 18 points behind normal in North Carolina, Georgia, and Missouri, respectively.

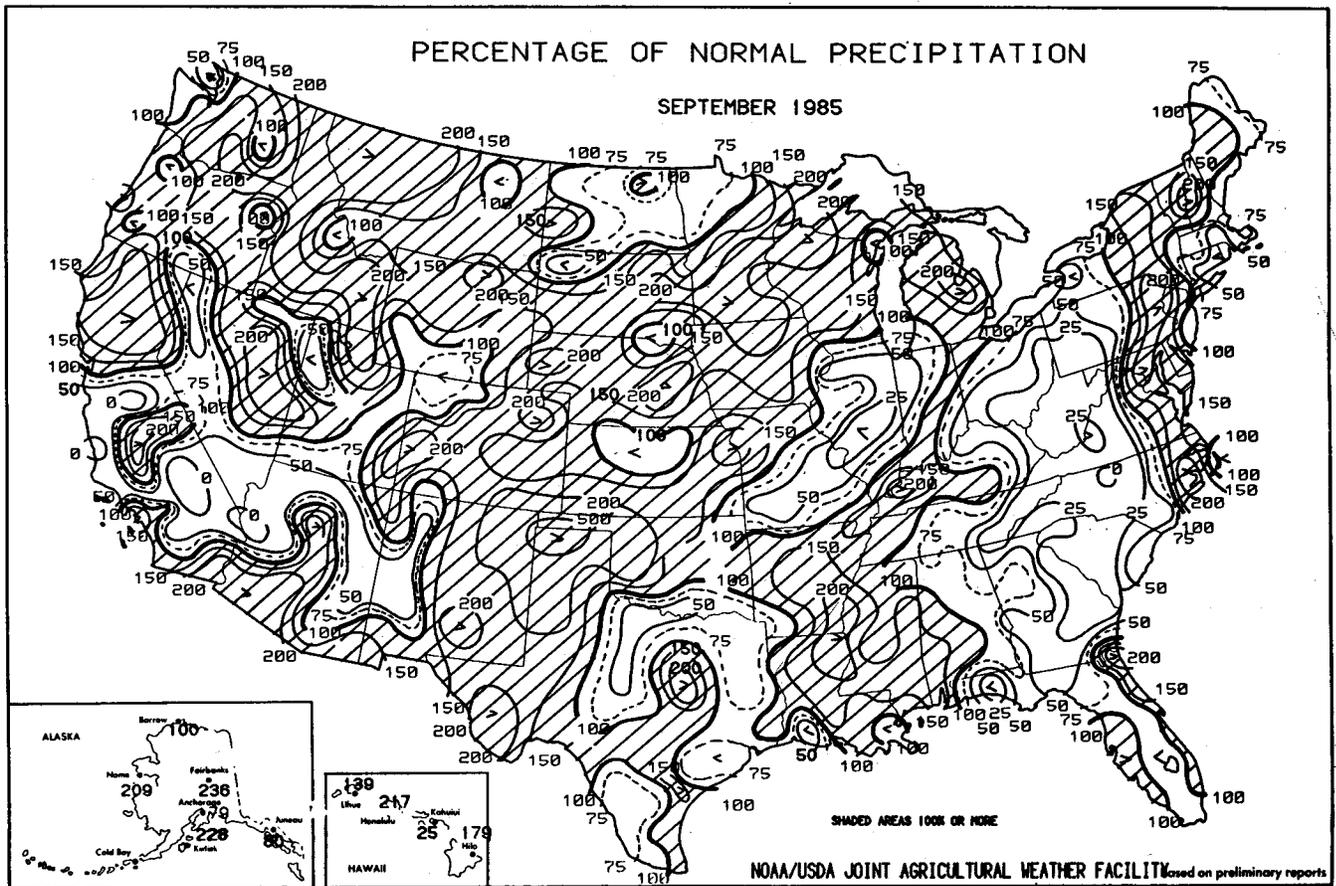
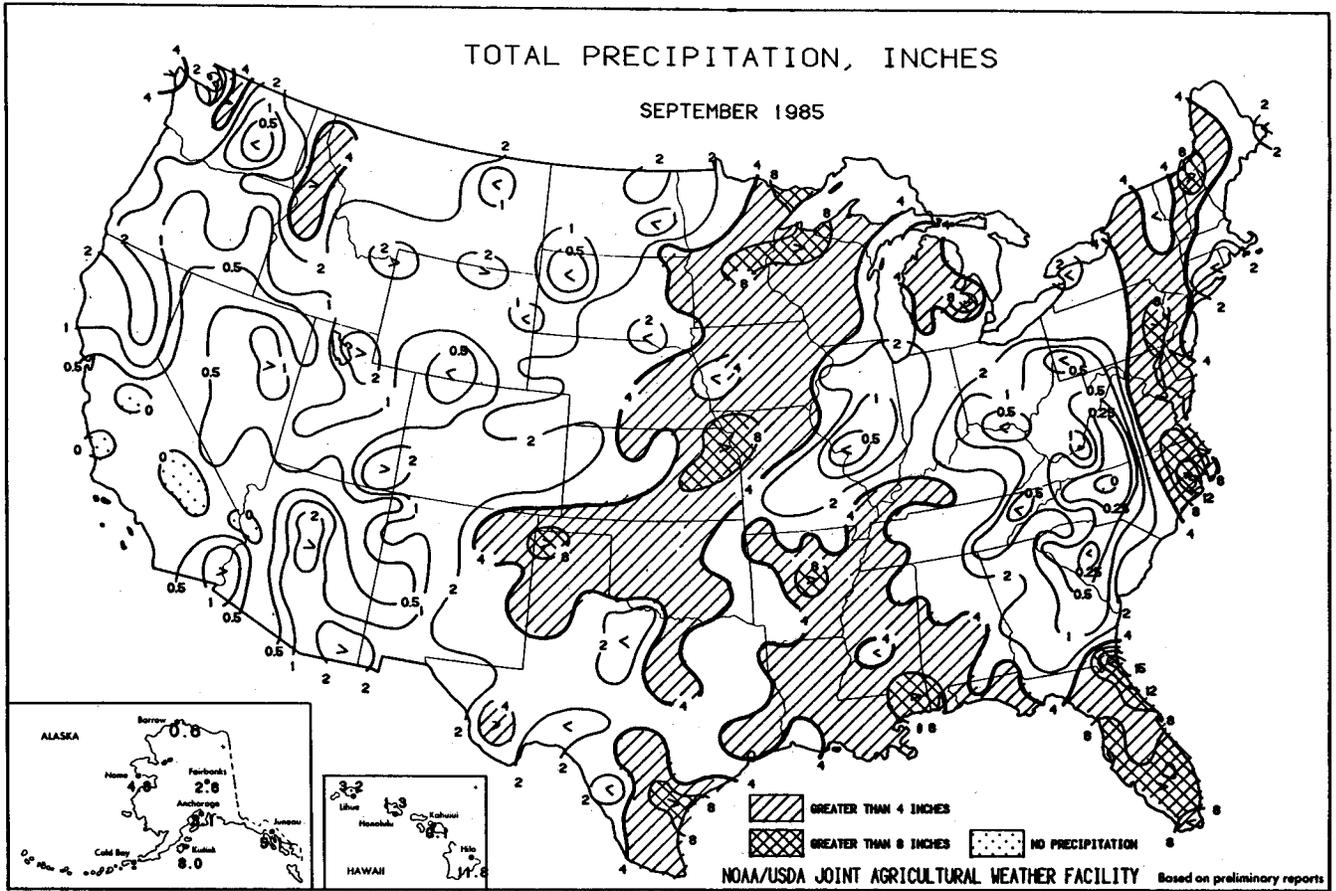
Sorghum was 58% mature by the end of September, compared with 62% last year and average. With 29% of the crop cut, harvest trailed the normal pace in 5 of the 7 major producing States. Normally, 34% would be harvested by this date. Harvest was underway in Nebraska and South Dakota and lagged 9 points behind normal in both States. Frost, the last week of September, damaged sorghum in northwest Kansas and in Nebraska.

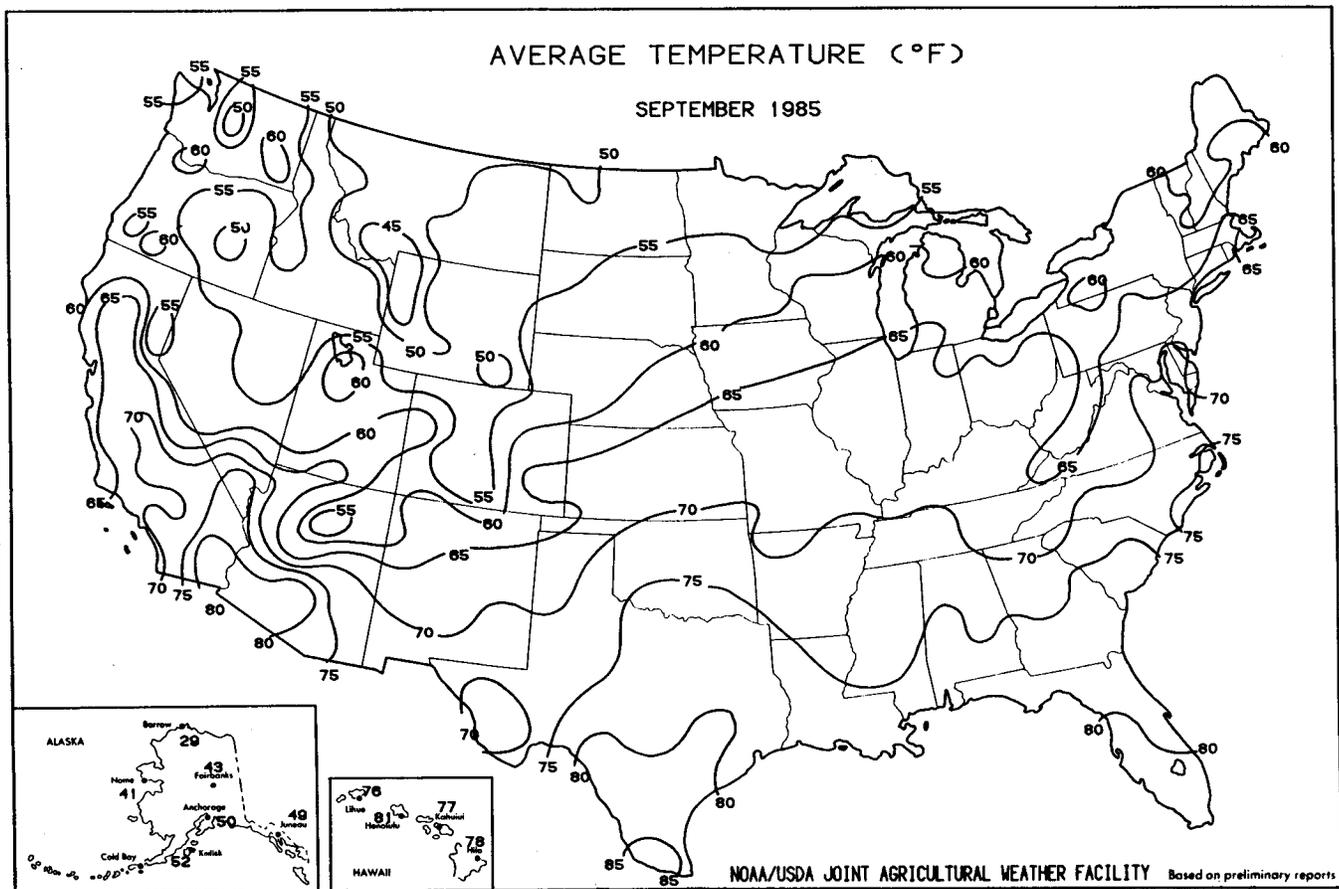
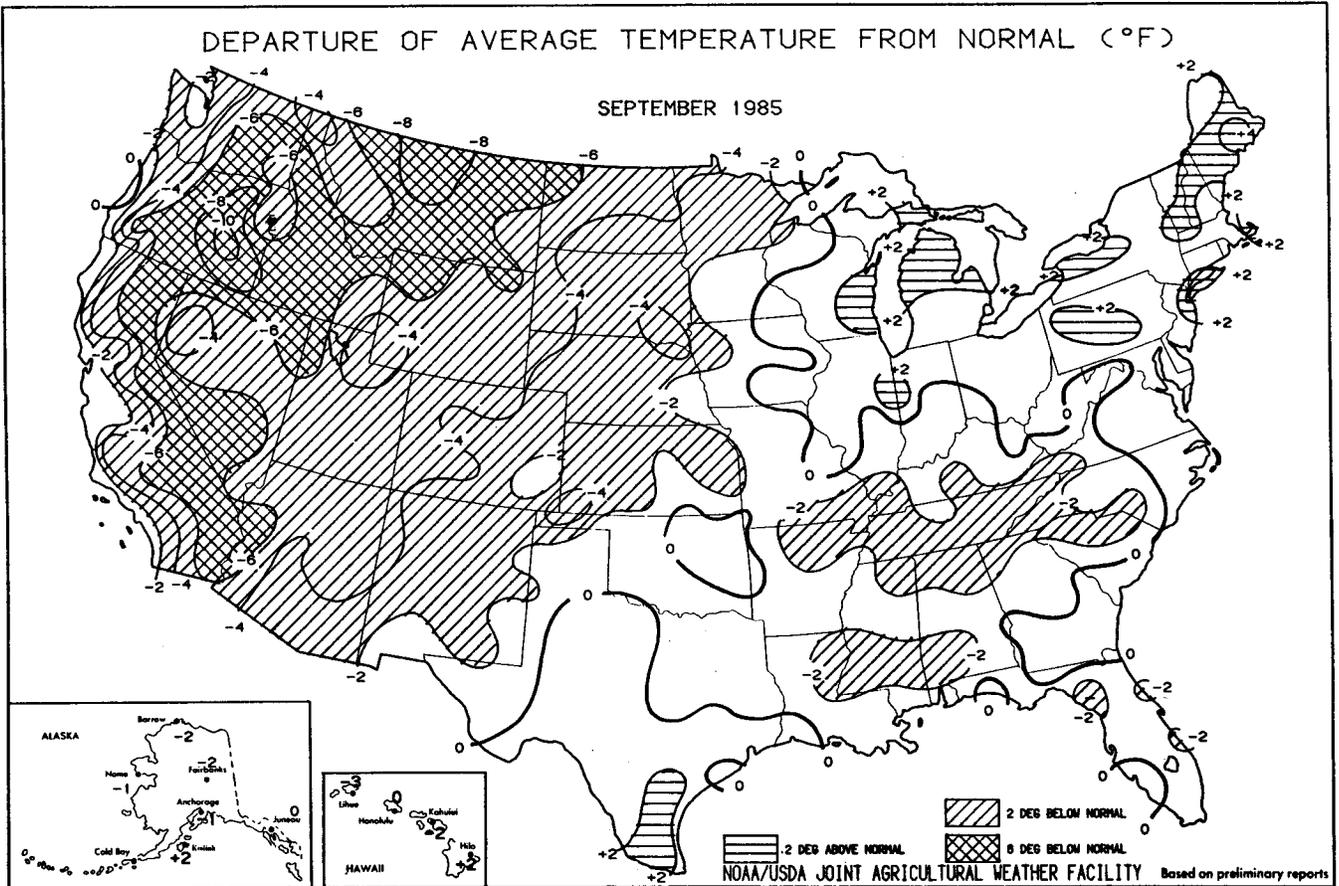
Rice was 68% harvested, 7 points ahead of normal and 1984. Harvest was ahead of normal in all States, except Louisiana and Texas. Rice harvest neared completion in Mississippi and Texas.

WINTER WHEAT SEEDING

Winter wheat seeding advanced to 40% completion, virtually the same as last year but 5

(Continued to back cover)





Temperature and Precipitation Data for September 1985

States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	72	-2	3.4	-1.0	BATON ROUGE	76	-1	6.3	1.9	COLUMBUS	66	1	1.2	-1.6
MOBILE	76	-2	10.3	3.8	LAKE CHARLES	78	0	2.1	-3.1	DAYTON	66	0	1.0	-1.4
AK ANCHORAGE	48	-1	3.1	0.6	NEW ORLEANS	77	-2	5.7	-0.1	TOLEDO	64	1	2.5	0.0
BARROW	29	-2	0.6	0.0	SHREVEPORT	76	-1	4.4	1.1	YOUNGSTOWN	64	2	2.4	-0.7
FAIRBANKS	43	-1	2.6	1.5	ME CARIBOU	57	3	2.4	-1.1	OK OKLAHOMA CITY	73	0	4.6	1.2
JUNEAU	49	0	5.1	-1.4	MD BALTIMORE	61	2	3.0	-0.3	TULSA	75	1	3.3	-1.1
KODIAK	52	2	8.0	0.4	MA SALISBURY	69	0	6.0	2.1	OR ASTORIA	57	-2	3.2	0.1
NOME	41	-1	4.9	2.5	MI BOSTON	65	1	3.0	-0.5	BURNS	49	-10	1.1	0.5
AZ FLAGSTAFF	53	-5	3.7	2.2	CHATHAM	64	2	2.4	-1.3	MEDFORD	61	-4	1.5	0.8
PHOENIX	82	-2	1.6	1.0	MI ALPENA	59	2	3.1	0.2	PENDLETON	57	-7	2.1	1.5
PRESCOTT	63	-3	0.6	-0.9	DETROIT	64	1	2.6	0.3	PORTLAND	61	-2	2.7	1.1
TUCSON	77	-3	1.2	-0.2	FLINT	63	2	8.3	5.9	PA SALEM	59	-3	1.3	-0.3
WINSLOW	64	-5	0.7	-0.1	GRAND RAPIDS	63	1	4.3	1.1	ALLENTOWN	66	1	8.7	4.7
YUMA	82	-5	1.2	1.0	HOUGHTON LAKE	61	3	6.1	3.4	ERIE	67	5	2.2	-1.7
AR FORT SMITH	74	0	3.6	0.4	LANSING	63	1	3.3	0.8	HARRISBURG	69	2	3.8	0.2
LITTLE ROCK	72	-2	8.5	4.7	MARQUETTE	55	1	6.3	2.4	PHILADELPHIA	69	1	5.8	2.4
CA BAKERSFIELD	71	-6	0.2	0.1	MUSKOGON	63	2	3.4	0.4	PITTSBURGH	65	1	0.3	-2.5
EUREKA	57	-1	1.0	0.1	MN SAUL STE. MARI	57	3	3.4	-0.5	SCRANTON	64	1	7.8	4.5
FRESNO	72	-2	0.4	0.3	DULUTH	56	-2	4.3	2.0	RI PROVIDENCE	65	2	1.7	-1.9
LOS ANGELES	69	-1	0.3	0.1	INT'L FALLS	51	-2	3.0	-0.2	SC CHARLESTON	76	0	2.5	-2.4
RED BLUFF	69	-6	1.1	0.7	MINNEAPOLIS	60	-1	4.4	1.9	COLUMBIA	72	-3	0.1	-4.2
SACRAMENTO	69	-3	0.5	0.2	ROCHESTER	59	-1	6.5	3.4	FLORENCE	73	-2	1.3	-2.8
SAN DIEGO	70	-1	0.2	0.0	ST. CLOUD	56	-1	9.5	6.7	GREENVILLE	70	-2	1.6	-2.7
SAN FRANCISCO	63	-1	0.2	0.0	MS GREENWOOD	74	-1	5.2	1.9	SD ABERDEEN	57	-3	2.7	1.2
CO DENVER	59	-4	2.3	1.1	JACKSON	74	-2	3.9	0.4	HURON	58	-3	3.3	1.9
GRAND JUNCTION	62	-5	1.7	1.0	MT BILLINGS	53	-6	1.9	0.6	RAPID CITY	56	-5	1.6	0.5
PUEBLO	63	-3	1.0	0.2	GLASGOW	51	-7	0.8	-0.1	SIoux FALLS	58	-3	3.3	0.6
CT BRIDGEPORT	67	1	1.6	-1.7	GREAT FALLS	48	-9	3.2	2.2	TN CHATTANOOGA	69	-3	0.9	-3.4
HARTFORD	63	0	3.8	-0.1	HAVRE	49	-8	3.1	2.2	KNOXVILLE	68	-3	0.4	-2.6
DC WASHINGTON	72	1	6.7	3.5	HELENA	50	-6	2.1	1.3	MEMPHIS	74	-1	4.0	0.4
FL APALACHICOLA	78	-1	5.4	-3.0	KALISPELL	48	-6	4.1	3.0	NASHVILLE	71	-2	2.5	-1.2
DAYTONA BEACH	78	-1	10.6	3.9	MILES CITY	55	-5	1.5	0.4	ABILENE	76	0	1.3	-1.8
JACKSONVILLE	78	-1	16.8	9.6	MISSOULA	51	-5	3.6	2.6	AMARILLO	69	-1	5.0	3.3
KEY WEST	82	0	6.4	-0.1	NE GRAND ISLAND	62	-2	5.8	3.3	AUSTIN	79	0	4.0	0.4
MIAMI	81	-1	8.5	0.4	LINCOLN	64	-2	4.3	1.4	BEAUMONT	79	0	7.4	1.3
ORLANDO	80	-2	5.3	-0.3	NORFOLK	61	-3	4.6	2.5	BROWNSVILLE	82	1	6.0	0.8
TALLAHASSEE	78	-1	2.2	-4.2	NORTH PLATTE	60	-2	3.2	1.5	CORPUS CHRISTI	81	-1	8.4	2.2
TAMPA	80	0	9.0	2.8	OMAHA	63	-2	2.8	-0.6	DEL RIO	81	1	2.8	0.1
WEST PALM BEACH	80	-1	9.4	0.1	SCOTT'S BLUFF	58	-4	2.7	1.7	EL PASO	73	-1	1.5	0.0
GA ATLANTA	72	-1	2.6	-0.5	VALENTINE	59	-3	2.7	1.2	FORT WORTH	78	-1	3.3	0.0
AUGUSTA	75	0	0.4	-3.1	NV ELKO	54	-4	1.2	0.7	GALVESTON	80	0	2.9	-2.9
MACON	74	-2	1.8	-1.5	ELY	52	-4	1.8	1.1	HOUSTON	80	1	4.7	-0.3
SAVANNAH	76	0	0.8	-4.4	LAS VEGAS	76	-5	0.1	-0.2	LUBBOCK	71	0	4.7	2.7
HI HILO	78	2	11.8	5.2	WINNEMUCCA	56	-4	0.5	0.2	MIDLAND	74	0	3.2	1.1
HONOLULU	81	0	1.3	0.7	NH CONCORD	60	1	3.8	0.7	SAN ANGELO	76	-1	2.8	-0.2
KAHULUI	77	-2	0.1	-0.3	NJ ATLANTIC CITY	68	2	2.3	-0.6	SAN ANTONIO	79	0	4.8	1.1
LIHUE	76	-3	3.2	0.1	NM ALBUQUERQUE	66	-3	1.5	0.7	VICTORIA	81	1	3.3	-3.0
ID BOISE	56	-7	1.8	1.2	NC CLOVIS	66	-3	4.5	2.6	WACO	77	-2	6.4	3.2
LEWISTON	57	-7	1.8	1.0	ROSWELL	71	-1	1.9	0.2	WICHITA FALLS	76	0	1.5	-2.0
POCATELLO	54	-5	1.4	0.8	NY ALBANY	63	2	3.1	-0.2	UT BLANDING	58	-5	3.4	2.5
IL CAIRO	70	-2	4.4	0.9	BINGHAMTON	61	1	4.8	1.4	CEDAR CITY	59	-4	0.7	-0.2
CHICAGO	65	1	1.8	-1.5	BUFFALO	64	2	1.2	-2.2	MILFORD	58	-5	1.4	0.7
MOLINE	66	1	1.7	-2.0	NEW YORK	71	3	4.2	0.8	SALT LAKE CITY	63	-2	2.0	1.1
PEORIA	67	1	3.4	-0.2	ROCHESTER	64	2	2.5	-0.2	BURLINGTON	60	1	3.2	0.0
QUINCY	67	0	3.0	-1.2	SYRACUSE	64	2	3.9	0.6	NORFOLK	73	1	6.4	2.0
ROCKFORD	64	1	2.8	-0.9	ASHEVILLE	64	-3	1.3	-2.7	RICHMOND	71	1	5.0	1.4
SPRINGFIELD	68	0	0.6	-2.4	CHARLOTTE	71	-1	0.7	-2.9	ROANOKE	68	0	1.3	-1.9
IN EVANSVILLE	68	-1	3.6	0.9	GREENSBORO	68	-2	0.0	-3.6	COLVILLE	56	-2	2.4	1.5
FORT WAYNE	65	0	2.7	0.1	HATTERAS	76	2	4.1	-1.7	QUILLAYUTE	55	-2	4.8	-0.5
INDIANAPOLIS	66	0	2.7	0.0	NEW BERN	75	1	9.8	4.1	SEATTLE-TACOMA	58	-2	2.0	0.0
SOUTH BEND	66	1	1.9	-1.3	RALEIGH	70	-1	0.2	-3.1	SPOKANE	53	-6	1.6	0.9
IA DES MOINES	65	0	5.4	2.3	WILMINGTON	75	0	2.8	-3.0	WALLA WALLA	60	-6	1.4	0.6
DUBUQUE	62	0	4.9	0.8	ND BISMARCK	54	-4	1.3	-0.1	YAKIMA	55	-5	0.8	0.5
SIOUX CITY	61	-3	4.5	2.0	FARGO	54	-4	1.4	-0.5	WV BECKLEY	63	0	0.5	-2.8
WATERLOO	63	2	5.3	1.9	GRAND FORKS	53	-3	0.9	-1.2	CHARLESTON	69	2	0.7	-2.3
CONCORDIA	66	-2	2.4	-0.6	WILLISTON	51	-5	1.1	-0.3	HUNTINGTON	68	0	0.4	-2.7
DODGE CITY	67	-2	3.7	1.9	AKRON-CANTON	65	1	0.7	-2.2	PARKERSBURG	67	0	0.6	-2.3
GOODLAND	61	-3	1.7	0.3	CINCINNATI	67	-1	0.8	-2.1	GREEN BAY	61	2	3.6	0.4
TOPEKA	67	-2	8.2	4.7	CLEVELAND	65	1	2.1	-0.9	LA CROSSE	62	1	5.6	2.2
WICHITA	70	-1	5.9	2.4					MADISON	62	1	5.0	1.9	
WV BOWLING GREEN	68	-3	4.7	1.5					MILWAUKEE	64	2	3.4	0.6	
JACKSON	67	1	1.4	-1.7					WAUSAU	58	0	5.9	2.0	
LEXINGTON	67	-1	2.0	-1.3					WY CASPER	53	-5	1.1	0.3	
LOUISVILLE	69	-1	1.5	-1.9					CHEYENNE	53	-5	1.7	0.6	
PADUCAH	69	-2	9.2	5.7					LANDER	53	-5	1.7	0.8	
LA ALEXANDRIA	76	-2	4.5	1.9					SHERIDAN	52	-5	2.4	1.2	
									PR SAN JUAN	82	0	5.5	-0.5	

Based on 1951-80 normals.

Heating Degree Days (Base 65° F.)

September 1985

ALA. Birmingham . . .	10	MAINE, Caribou . . .	271	OKLA. Okla. City . . .	63
Mobile	0	Portland	157	Tulsa	46
Montgomery	0	MD. Baltimore	41	OREG. Astoria	259
ALASKA, Anchorage	517	MASS. Boston	65	Burns	475
Barrow	1079	Chatham	73	Medford	135
Fairbanks	654	MICH. Alpena	217	Pendleton	242
Nome	716	Detroit	129	Portland	124
ARIZ. Flagstaff	351	Flint	153	Salem	196
Phoenix	0	Grand Rapids	157	PA. Allentown	85
Tucson	0	Houghton Lake	209	Erie	75
Winslow	86	Lansing	168	Harrisburg	41
Yuma	0	Marquette	323	Philadelphia	38
ARK. Fort Smith	47	S. Ste. Marie	242	Pittsburgh	116
Little Rock	36	MINN. Duluth	394	Scranton	127
CALIF. Bakersfield	4	Internatl Falls	411	R.I. Providence	78
Eureka	244	Minneapolis	240	S.C. Charleston	2
Fresno	0	Rochester	268	Columbia	16
Los Angeles	1	St. Cloud	300	Greenville	38
Red Bluff	18	MISS. Jackson	14	S. DAK. Aberdeen	292
Stockton	22	Meridian	11	Huron	267
San Diego	0	MO. Columbia	99	Rapid City	325
San Francisco	60	Kansas City	131	Sioux Falls	269
COLO. Denver	241	St. Louis	64	TENN. Chattanooga	32
Grand Junction	139	Springfield	88	Knoxville	44
Pueblo	172	MONT. Billings	358	Memphis	17
CONN. Bridgeport	54	Glasgow	428	Nashville	30
Hartford	119	Great Falls	498	TEX. Abilene	28
D.C. Washington	14	Havre	475	Amarillo	111
FLA. Apalachicola	0	Helena	455	Austin	7
Ft. Myers	0	Kalispell	507	Beaumont	3
Jacksonville	0	Miles City	318	Brownsville	0
Key West	0	Missoula	429	Corpus Christi	2
Miami	0	NEBR. Grand Island	217	Del Rio	8
Orlando	0	Lincoln	198	El Paso	10
W. Palm Beach	0	Norfolk	241	Fort Worth	19
Tallahassee	0	North Platte	252	Galveston	1
Tampa	0	Omaha	209	Houston	5
GA. Atlanta	15	Valentine	264	Lubbock	65
Augusta	6	NEV. Ely	388	Midland	30
Macon	7	Las Vegas	1	San Angelo	22
Savannah	1	Reno	230	San Antonio	10
IDAHO, Boise	254	Winnemucca	293	Victoria	4
Lewiston	246	N.H. Concord	166	Waco	14
Pocatello	321	N.J. Atlantic City	53	Wichita Falls	31
ILL. Cairo	62	N. MEX. Albuquerque	61	UTAH, Milford	231
Chicago	141	N.Y. Albany	123	Salt Lake City	140
Moline	131	Binghamton	169	VT. Burlington	169
Peoria	111	Buffalo	114	VA. Lynchburg	53
Rockford	157	New York	17	Norfolk	6
Springfield	99	Rochester	121	Richmond	31
IND. Evansville	75	Syracuse	121	Roanoke	55
Fort Wayne	124	N.C. Asheville	111	WASH. Colville	-
Indianapolis	97	Charlotte	28	Quillayute	296
South Bend	121	Greensboro	65	Seattle-Tacoma	199
IOWA, Des Moines	172	Hatteras	0	Spokane	343
Dubuque	198	Raleigh	36	Walla Walla	159
Souix City	221	Wilmington	4	Yakima	286
KANS. Concordia	162	N. DAK. Bismarck	345	W. VA. Beckley	128
Dodge City	154	Fargo	329	Charleston	51
Goodland	237	Williston	415	Huntington	63
Topeka	127	OHIO. Akron-Canton	116	WIS. Green Bay	196
Wichita	111	Cincinnati	78	Madison	198
KY. Lexington	72	Cleveland	118	Milwaukee	141
Louisville	53	Columbus	96	WYO. Casper	354
LA. Baton Rouge	0	Dayton	107	Cheyenne	364
Lake Charles	0	Toledo	138	Lander	363
New Orleans	0	Youngstown	141	Sheridan	373
Shreveport	11				

Based on 1951-80 normals.

National Agricultural Summary

SEPT 30 TO OCT 6, 1985

HIGHLIGHTS: Rain blanketed much of the eastern half of the Nation, delaying small grain seeding and slowing harvest. However, the moisture aided small grain development and helped with germination. The dryness was alleviated in the Southeast with soil moisture mostly adequate throughout most of the Nation. Soil moisture continued short in some West Coast States. Most States averaged less than 4 days suitable for fieldwork with the exception of the East Coast States, the Corn Belt, and the West Coast States. A few Delta and Central Mountain State farmers were able to work 4 days or more.

Winter wheat was 54 percent (%) seeded, compared with 52% in 1984 and 60% normally. Rain and cold temperatures continued delaying spring wheat harvest in Montana and North Dakota. Corn harvest lagged the normal pace by 6 points, caused mostly by the wetness in the Corn Belt and Great Plains. Soybean harvest was 15% complete, 12 point below the normal pace. Thirteen of the 19 major producing States were behind the normal pace. Cotton harvest continued ahead of normal with 24% of the acreage picked. Sorghum was 34% harvested, 8 points below last year and the average. Rice harvest surged ahead of last year and the average by 4 and 6 points, respectively. Fall apple harvest was in full swing. Damage to apples and vegetables from Hurricane Gloria was heavy in some Northeastern States. Pastures were mostly good to fair and in some areas additional moisture was caused new-growth. Livestock was generally good.

SMALL GRAINS: Rain across most of the eastern half of the Nation slowed seeding but aided growth and germination. The winter wheat crop was 54% seeded, compared with 50% in 1984 and 60% normally. Plants were emerged on 32% of the acreage, just slightly behind the normal pace. Seeding was behind normal in 11 of the 19 major producing States with Oregon behind normal by 28 points and Kansas and Montana both 15 points behind normal. Oklahoma's wheat was 60% seeded, doubling last year's pace and 15 points above average. Idaho's seeding progress was 10 points ahead of normal.

Rain and coldness continued delaying spring wheat and small grain harvest in Montana and North Dakota.

CORN: Corn maturity was almost on schedule, but harvest lagged the normal pace. Ninety-two% of the acreage was mature with 15% harvested. Normally, 93% would be mature and 24% harvested. Corn harvest was 2 points behind normal in the Corn Belt States and 11 points off the pace in the Great Plain States. Iowa producers were harvesting at half the normal pace. Nebraska and Missouri corn harvest was 11 and 12 points slower than average.

SOYBEANS: Soybeans dropped leaves on 78% of the acreage, equalling both 1984 and the average. Harvest was 15% finished, compared with 27% last year and average. In 13 of the 19 major producing States harvest was behind normal. Nebraska's harvesting progress was 10 times slower than normal. South Dakota's soybean harvest was just underway when normally 39% is harvested by this time. In Iowa, harvest was 11% finished, compared with 61% last year and the 44% average. Kansas and

Illinois harvest was 10 and 13 points behind normal, respectively.

COTTON: In the 14 major producing States, bolls were open on 76% of the acreage, equalling the normal pace. Harvest was 5 points ahead of normal. Louisiana's harvesting pace is more than 2 times faster than normal and nearly 3 times faster than last year. Harvest lagged the normal pace in California, Georgia, New Mexico, and North Carolina. Cooler temperatures slowed maturity over the Plains in Texas with frost damage expected in late planted cotton.

SORGHUM: Sorghum was mature on 77% of the acreage and 34% was harvested. Normally, 75% would be mature and 42% harvested. Cold, wet conditions continued hampering harvest in Nebraska, South Dakota, and Kansas. Harvest was 3, 7, and 10% complete in Nebraska, South Dakota, and in Kansas. Each State normally would have harvested 20% of the crop by this time.

OTHER CROPS: Rice harvest exceeded the average by 6 points. Harvest was 79% finished this year and 75% last year. Harvest equaled or surpassed the normal progress in all States except Texas. In Louisiana, Mississippi, and Texas harvest neared completion but was slightly more than one-third finished in California.

Peanut digging and combining gained momentum. Harvest was 94% complete in Georgia, 84% finished in Alabama, 61% finished in North Carolina, 20% complete in Texas, and 48% complete in Virginia. Harvest was ahead of normal in all States except Texas and Virginia.

Tobacco harvest neared completion in most areas. Burley producers in Kentucky and Tennessee began stripping.

VEGETABLES: Fall vegetable harvest declined in the northern producing areas. Hurricane Gloria damaged vegetables in the Long Island area of New York. In some areas, Florida vegetable growers actively harvested cucumbers, eggplant, tomatoes, radishes, sweet corn and squash. Transplanting and land preparation continued for other vegetables. Heavy rains washed-out some vegetables in the Rio Grande Valley of Texas but most benefitted from the moisture. Planting and harvesting slowed in most areas because of wetness. West Coast vegetables producers in California and Arizona harvested a variety of vegetables consisting mostly of broccoli, lettuce, celery, cauliflower, and fall melons.

FRUIT AND NUTS: Hurricane Gloria heavily damaged apples in the New England States. Apple harvest moved along at a brisk pace in most other areas. In Florida, some fresh fruit groves required irrigating. Early fruit harvest increased to meet demand. California Valencia orange harvest slowed, but Navel orange harvest may start as early as next week. A variety of other fruit and nuts were harvested and about 80% of the raisin crop was out of danger from rain. Pecan harvest was underway in Georgia. Harvest increased in south Texas and most other areas should begin in about 2 weeks.

PASTURES AND LIVESTOCK: Pastures were mostly good and in some areas moisture caused new-growth. Livestock was generally good.

CROP PROGRESS

FOR WEEK ENDING OCT 6, 1985

	SOYBEANS % DROPPING LEAVES		
	1985	1984	AVG.
ALA	48	62	52
ARK	40	30	37
GA	62	70	60
ILL	94	90	94
IND	97	94	93
IOWA	97	99	94
KANS	75	90	75
KY	43	48	56
LA	58	59	57
MICH	95	100	98
MINN	98	99	99
MISS	66	78	77
MO	68	69	71
NEBR	92	94	90
N C	22	16	21
OHIO	98	95	95
S C	24	28	31
S DAK	82	92	98
TENN	60	47	50
19 STATES	78	78	78

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN CROP.

	SOYBEANS % HARVESTED		
	1985	1984	AVG.
ALA	11	11	12
ARK	8	4	5
GA	6	6	7
ILL	40	42	53
IND	25	25	30
IOWA	11	61	44
KANS	10	25	20
KY	4	5	9
LA	19	19	18
MICH	5	15	13
MINN	4	46	29
MISS	13	12	12
MO	8	17	22
NEBR	3	25	30
N C	4	0	1
OHIO	30	15	30
S C	0	0	0
S DAK	1	28	39
TENN	3	1	4
19 STATES	15	27	27

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN CROP.

	COTTON % BOLLS OPENING		
	1985	1984	AVG.
ALA	98	81	82
ARIZ	93	99	95
ARK	93	87	94
CALIF	100	100	89
GA	88	79	86
LA	98	92	95
MISS	100	96	98
MO	83	100	98
N MEX	80	100	90
N C	100	98	97
OKLA	85	70	65
S C	95	87	90
TENN	100	100	100
TEX	55	50	60
14 STATES	76	72	76

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

	COTTON % HARVESTED		
	1985	1984	AVG.
ALA	30	23	22
ARIZ	7	3	5
ARK	44	14	31
CALIF	1	7	4
GA	25	15	32
LA	62	23	30
MISS	52	21	31
MO	37	28	39
N MEX	1	0	5
N C	13	15	27
OKLA	5	5	2
S C	38	17	29
TENN	30	10	30
TEX	19	16	19
14 STATES	24	15	19

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

	RICE % HARVESTED		
	1985	1984	AVG.
ARK	77	63	69
CALIF	35	55	32
LA	95	96	95
MISS	99	77	72
TEX	98	100	100
5 STATES	79	75	73

THESE 5 STATES PRODUCED 97% OF THE 1984 RICE CROP.

	CORN % MATURE		
	1985	1984	AVG.
COLO	81	88	76
GA	100	100	100
ILL	97	99	99
IND	98	92	90
IOWA	96	100	96
KANS	98	96	90
KY	95	86	90
MICH	90	98	91
MINN	82	93	92
MO	98	95	91
NEBR	94	94	95
N C	100	98	99
OHIO	100	85	85
PA	71	44	63
S DAK	69	87	96
TEX	99	NA	NA
WIS	82	98	93
17 STATES	92	NA	NA
EXCL. STATES WITH NA	92	94	93

THESE 17 STATES PRODUCED 93% OF THE 1984 CORN CROP.

	CORN % HARVESTED		
	1985	1984	AVG.
COLO	11	11	9
GA	95	93	94
ILL	22	20	28
IND	15	10	15
IOWA	12	19	24
KANS	40	50	40
KY	44	29	40
MICH	5	10	6
MINN	2	8	11
MO	37	44	49
NEBR	9	15	20
N C	79	72	77
OHIO	15	7	15
PA	14	4	7
S DAK	2	9	16
TEX	89	85	84
WIS	6	10	6
17 STATES	18	20	24

THESE 17 STATES PRODUCED 93% OF THE 1984 CORN CROP.

	WINTER WHEAT % PLANTED		
	1985	1984	AVG.
ARK	10	9	10
CALIF	3	5	3
COLO	95	92	93
GA	8	5	9
IDAHO	74	68	64
ILL	25	22	28
IND	25	25	35
KANS	55	55	70
MICH	50	70	55
MO	21	25	27
MONT	60	60	75
NEBR	85	96	98
OHIO	35	20	35
OKLA	60	30	55
OREG	20	27	48
S DAK	93	98	98
TEX	40	54	49
WASH	73	67	69
18 STATES	54	52	60

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

	WINTER WHEAT % EMERGED		
	1985	1984	AVG.
ARK	4	NA	NA
CALIF	0	0	0
COLO	72	72	75
GA	0	NA	NA
IDAHO	37	43	34
ILL	5	4	7
IND	10	10	10
KANS	30	20	30
MICH	5	NA	NA
MO	7	9	14
MONT	45	20	40
NEBR	55	65	75
OHIO	5	10	5
OKLA	30	10	20
OREG	5	9	21
S DAK	65	69	79
TEX	19	17	22
WASH	45	54	54
18 STATES	30	NA	NA
EXCL. STATES WITH NA	32	27	34

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

NA - NOT AVAILABLE

NA - NOT AVAILABLE

SORGHUM % MATURE				SORGHUM % COLORING				SORGHUM % HARVESTED			
	1985	1984	AVG.		1985	1984	AVG.		1985	1984	AVG.
ARK	94	NA	NA	ARK	98	NA	NA	ARK	86	73	85
KANS	60	70	65	KANS	90	95	90	KANS	10	25	20
MO	82	89	83	MO	94	99	94	MO	37	48	45
NEBR	93	93	75	NEBR	100	100	100	NEBR	3	20	25
OKLA	90	65	80	OKLA	100	100	100	OKLA	25	20	20
S DAK	57	78	84	S DAK	85	97	100	S DAK	7	12	23
TEX	88	78	83	TEX	99	97	96	TEX	69	69	72
7 STATES	78	NA	NA	7 STATES	95	NA	NA	7 STATES	34	42	42
EXCL. STATES WITH NA	77	78	75	EXCL. STATES WITH NA	95	97	95	THESE 7 STATES PRODUCED 83% OF THE 1984 SORGHUM CROP.			

THESE 7 STATES PRODUCED 83%
OF THE 1984 SORGHUM CROP.

THESE 7 STATES PRODUCED 83%
OF THE 1984 SORGHUM CROP.

NA - NOT AVAILABLE

NA - NOT AVAILABLE

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall mostly 1.00 to 3.00 in. Local amounts near 5.00 in. over central areas. Temperatures averaged 10° below normal over Tennessee Valley, near normal over Wiregrass areas. Fieldwork 3.2 days. Soil moisture 2% short, 62% adequate, 36% surplus. Corn harvested 88%, 82% 1984, 85% avg.; 4% poor, 42% fair, 42% good, 12% excellent. Soybeans turning color 79%, 83% 1984, 78% avg.; dropping leaves 48%, 62% 1984, 52% avg.; mature 28%, 37% 1984, 34% avg.; harvested 11%, 11% 1984, 12% avg.; 37% fair, 59% good, 4% excellent. Cotton bolls open 98%, 81% 1984, 82% avg.; harvested 30%, 23% 1984, 22% avg.; 17% fair, 71% good, 12% excellent. Sorghum harvested 81%, 69% 1984, 53% avg.; 31% fair, 63% good, 6% excellent. Peanuts dug 84%, 89% 1984, 69% avg.; combined 74%, 81% 1984, 59% avg.; 15% fair, 85% good. Winter wheat planted 14%, 13% 1984. Pastures 2% poor, 33% fair, 58% good, 7% excellent. Livestock 23% fair, 73% good, 4% excellent. Primary activities: Harvesting corn, sorghum, hay, cotton, peanuts, soybeans; planting wheat, annual forage crops; harvesting sweetpotatoes, culling up pecan orchards; weaning, marketing 1985 spring calves.

ALASKA: Railbelt temperatures ranged 10° below normal to 6° above normal. Precipitation very light, trace up to 0.15 in. Seasonal totals near to above normal all areas.

Days suitable for harvest 3 to 5. Topsoil moisture 85% adequate, 15% surplus. Subsoil moisture 86% adequate, 14% surplus. Harvest continued wet, cold conditions. Barley for grain harvest 50% complete. Wind, rain caused some light lodging damage to stand grain. Commercial potato harvest virtually complete. This is last report of season till May 1986.

ARIZONA: Light showers over eastern two-thirds, first part of week. Otherwise, sunny to partly cloudy skies dominated. Rainfall amounts mostly under 0.25 in. Maximum temperatures reached 70s in high country, 80s at 5,000 ft. level, 95° to

100° lower deserts. Averages for week varied from 5° below normal to 2° above.

Cotton 100% good; open bolls 93%, 99% 1984, 95% avg.; harvested 7%, 3% 1984, 5% avg. Defoliation moderate to active. Harvest continued in west, central areas; should begin in southeast 7th. Insect problems generally light to moderate. Alfalfa planting took place. Harvest also continued. Damage to down hay reported in southeast due to rains. Weed, insect infestations moderate. Sorghum in good condition, much of acreage turning color. Some harvesting done. Corn good condition, harvest continued. Sesame harvest advanced. Peanuts in good condition. Vegetable harvest very active Salt River Valley. Crops shipped green onions, greens, rapini, squash, radishes, cucumbers. Cantaloups shipped from Aguila, fall melons out of Willcox. Lettuce, squash, pumpkin harvests continued in Willcox. Planting, thinning of lettuce, other winter vegetables remained active. Pistachio harvest nearing completion. Lemon picking progressed. First grapefruit 85-86 season picked in west. Harvest will begin in central area 7th. Other citrus varieties sizing, developing normally.

ARKANSAS: Temperatures 90° to 150° below normal. Rainfall early in week, dry thereafter. Temperature extremes 29°; 86°. Precipitation none to 2.45 in.

Days suitable for fieldwork 6.0. Soil moisture 56% short, 42% adequate, 2% surplus. Cotton 93% bolls opening, 87% 1984, 94% avg. Cotton 44% harvested, 14% 1984, 31% avg. Cotton 7% fair, 56% good, 37% excellent. Winter wheat 10% planted, 9% 1984, 10% avg.; 4% emerged. Winter wheat 48% fair, 41% good, 11% excellent. Rice 77% harvested, 63% 1984, 69% avg. Sorghum 98% coloring; 86% harvested, 73% 1984, 85% avg.; 94% mature. Soybeans 40% dropping leaves, 30% 1984, 37% avg. Soybeans 8% harvested, 4% 1984, 5% avg. Soybeans 6% poor, 20% fair, 74% good.

CALIFORNIA: Temperature averages near to above normal at most locations. Precipitation limited to 0.16 in. of rain at Imperial. Southeast interior only zone with a below normal temperatures while south coast 40 above normal. Individual temperature readings across State ranged from a low of 260 Alturas, Tulalake to a high of 1020 at Ukiah.

Seeding preparations small grains good progress. Some seeded northern areas. Winter wheat 3% planted, 3% 1984, 5% avg. Rice harvest good progress; 35% harvested, 55% 1984, 32% avg. Cotton harvest underway, 1% harvested, 4% 1984, 7% avg. Many growers applying dessicant second time. Dry bean, corn, sugarbeet, hay, sunflower, safflower harvests good progress. Rice 100% good. Cotton 80% good, 20% fair. Apple harvest over 50% complete. Late varieties packed Granny Smith, Rome. Coachella Valley date harvest progressed with good quality; 80% of raisin crop out of danger from rains. Juice, table, wine harvests continued but in lower volume. Olives harvested for fresh, canned market. Persimmon, pomegranate harvests continued. Valencia orange harvest slowed because of low quality, demand. Navel harvest may start as early as next week. Desert lemon, summer grapefruit harvests continued with excellent demand. Almonds, pistachio nuts, walnuts continued to be harvested. Walnut yields reported to be quite variable. Artichoke supplies slowly increasing. Broccoli moderate to fairly heavy supply central coast. Cantaloup harvest started Imperial Valley. San Joaquin Valley volume much reduced. Cauliflower volume fairly light central coast. Celery moderate supply central coast, transplanting active southern areas. Lettuce fairly heavy supply central coast. Harvest expected San Joaquin Valley October 10th. Fall potato harvest active Tulalake-Butte Valley. Processing tomato harvest nearing completion. More rains needed continued growth new grass. Supplemental feeding necessary most districts. Livestock movement market, winter grazing districts active. Fall calving increased.

COLORADO: Mostly dry throughout State. Temperatures record lows early in week. Average temperatures 10 to 150 below normal in east, 5 to 100 below normal elsewhere.

Days suitable for fieldwork 4.0. Soil moisture 23% short, 71% adequate, 6% surplus. Winter wheat 3% fair, 30% good, 67% excellent; 95% seeded, 92% 1984, 93% avg.; 72% emerged, 72% 1984, 75% avg. Corn 30% good, 70% excellent; 81% mature, 88% 1984, 76% avg.; 11% grain harvested, 11% 1984, 9% avg. Sorghum 69% mature, 82% 1984, 75% avg.; 6% grain harvested, 15% 1984, 14% avg. Dry beans 74% harvested, 76% 1984, 74% avg. Range feed, livestock good.

FLORIDA: Summer-like week, fall arrived at weekend with cool, drier air most areas. Above normal rainfall from frequent summer-like heavy thunderstorms south, especially lower east coast received most rain. Temperatures averaged above normal but in most areas fell at weekend.

Topsoil moisture adequate to surplus Peninsula, mostly adequate Panhandle. East coast area extending through lower central Peninsula excessive water, especially in low lying areas. Moisture supplies short in a few localities, mostly upper central, eastern Panhandle, central west coast. Peanut harvest well advanced, rains delayed harvest some areas. Cotton harvest active. Combining early maturing soybeans underway. Haymaking continued very active, hampered by showery weather many areas. Land preparation for planting small grains continued. Cane cutting for seed active. Cutting for sugar expected to begin around mid-month. Above normal temperatures showers in many areas stimulated

pasture growth. Most pastures provided good to excellent grazing. Some low lying Peninsula pastures still have excessive moisture. Pastures in some localities, mostly upper east central Panhandle, central west coast, would benefit from additional rain. Commercial citrus groves excellent condition. Some growers irrigating for fresh fruit. Harvest for early shipments continued to increase. Caretakers actively clearing cover crops. Weather conditions remained favorable vegetable areas. Heavy, but scattered thunderstorms brought 4.00 to 5.00 in. rain some localities. Temperatures 80s to low 90s daytime; 70s nighttime. General vegetable conditions good. Harvest active some areas for cucumbers, eggplant, tomatoes, radishes, sweet corn, squash. Transplanting activities, land preparation continued other vegetable crops. Harvesting activities will increase late October to mid-November.

GEORGIA: Most of State 1.00 to 3.00 in. rain. Few central areas over 5.00 in. while some south areas under 0.50 in. Temperatures averaged 50 below normal over northwest, 2 to 40 above normal south. Freezing temperatures mountains northeast October 5th, 6th with 40s over central and south.

Days suitable for fieldwork 3.8. Soil moisture 3% very short, 28% short, 48% adequate, 21% surplus. Main activities: Harvesting cotton, peanuts, corn, soybeans; small grain field preparation and planting. Corn 95% harvested, 93% 1984, 94% avg.; 8% poor, 41% fair, 47% good, 4% excellent. Cotton 88% bolls open, 79% 1984, 86% avg.; 25% harvested, 15% 1984, 32% avg.; 19% fair, 72% good, 9% excellent. Grain sorghum 1% poor, 35% fair, 61% good, 3% excellent. Peanuts 94% dug, 87% 1984, 86% avg.; 86% threshed, 75% 1984, 76% avg.; 17% fair, 74% good, 9% excellent. Soybeans 62% dropping leaves, 70% 1984, 60% avg.; 6% harvested, 6% 1984, 7% avg.; 4% poor, 51% fair, 43% good, 2% excellent. Wheat 8% planted, 5% 1984, 9% avg. Rye 18% planted, 16% 1984, 23% avg. Other small grains 18% planted, 12% 1984, 17% avg. Apples 86% harvested, 91% 1984, 93% avg.; 4% poor, 30% fair, 57% good, 9% excellent. Pecans 2% harvested, 1% 1984, 2% avg.; 2% poor, 45% fair, 51% good, 2% excellent. Pastures 7% poor, 42% fair, 49% good, 2% excellent. Hay 8% poor, 37% fair, 53% good, 2% excellent. Cattle 2% poor, 22% fair, 75% good, 1% excellent. Hogs 1% poor, 21% fair, 77% good, 1% excellent.

HAWAII: Crops made fair progress as variable weather conditions continued. High pressure system north of islands brought back normal trade winds beginning of week. Several thunderstorms formed east of State, little direct affect on weather conditions. Banana orchards good to fair, with supplies near last week's level. Vegetable supplies steady. Papaya orchards fair condition; output continued at low level.

IDAHO: High pressure dominated State during past week with mostly fair weather. Precipitation amounts below normal with only scattered showers northern portion of State. Skies mostly clear. Strong northwesterly air flow over region from Canada kept temperatures below normal. Averages from 30 below normal at Burley to 90 below normal at Aberdeen, Idaho Falls. Coldest reported valley temperature 140 at Rexburg.

Days suitable for fieldwork 6.0. Potatoes 40% harvested, 47% 1984, 39% avg. Alfalfa hay 78% cut, 62% 1984, 72% avg. Dry beans 80% cut, 71% 1984, 75% avg. Onions 74% dug, 84% 1984, 82% avg. Corn for silage 75% chopped, 67% 1984, 74% avg.; for grain 14% combined, 10% 1984. Sugarbeets 20% harvested, 13% 1984, 8% avg. Alfalfa seed 85% harvested, 80% avg. Red clover

seed 64% harvested, 72% avg. Apples 30% picked, 22% 1984. Winter wheat 74% seeded, 68% 1984, 64% avg.; 37% emerged, 43% 1984, 34% avg. Livestock good. Movement from summer ranges: sheep 46%, cattle 35%.

ILLINOIS: Temperatures 7 to 150 below normal. Cooliest west central, southeast. Precipitation averaged 0.20 to 0.60 in. below normal. Rainfall scattered; generally between 0.03 and 0.40 in.

Days suitable for fieldwork 5.5. Soil moisture 25% short, 70% adequate, 5% surplus. Corn mature 97%, 99% 1984, 99% avg.; harvested for grain 22%, 20% 1984, 28% avg. Soybeans shedding leaves 94%, 90% 1984, 94% avg.; harvested 40%, 42% 1984, 53% avg. Winter wheat planted 25%, 22% 1984, 28% avg.; emerged 5%, 4% 1984, 7% avg. Sorghum harvested for grain 20%, 24% 1984, 33% avg. Pastures 2% poor, 33% fair, 56% good, 9% excellent.

INDIANA: Daytime temperatures averaged in upper 50s to low 60s. Highest in low 70s south. Low averaged in the mid to upper 30s, but fell to upper 20s causing widespread frost. Precipitation totals generally averaged 0.50 in. with even distribution over State.

Fieldwork averaged 5.3 days. Topsoil moisture 14% short, 81% adequate, 5% surplus. Subsoil moisture 23% short, 75% adequate, 2% surplus. Corn 15% harvested, 10% 1984, 15% avg. Corn moisture 25%, 28% 1984. Corn 98% mature, 92% 1984, 90% avg. Soybeans 25% combined, 25% 1984, 30% avg. Soybeans 97% dropping leaves, 94% 1984, 93% avg. Soybeans 80% mature, 75% 1984, 75% avg. Wheat 25% seeded, 25% 1984, 35% avg. Wheat 10% emerged, 10% 1984, 10% avg. Wheatland 47% plowed, 55% 1984, 60% avg. Rye 45% seeded, 40% 1984, 50% avg. Tobacco 95% harvested, 95% 1984, 95% avg. Silos 85% filled, 85% 1984, 85% avg.

IOWA: Cool week, low 250 on 1st. Freeze most of State 1st. Warm late week to 710 on 3rd. Light rain 4th to 5th with strong locally damaging winds.

Days suitable for fieldwork 2.5. Topsoil moisture 3% short, 63% adequate, 34% surplus. Subsoil moisture 30% short, 61% adequate, 9% surplus. Corn mature 96%, 100% 1984, 96% avg. Corn harvested 12%, 19% 1984, 24% avg. Soybeans dropping leaves 97%, 99% 1984, 94% avg. Soybeans mature 93%, 93% 1984, 87% avg. Soybeans harvested 11%, 61% 1984, 44% avg. Winter wheat sown 40%, 67% 1984, 63% avg. Fall tillage completed 4%. Fertilizer application completed 3%. Livestock good; pastures improving.

KANSAS: Precipitation averaged 0.50 to 0.75 in. west and south central, 1.00 to 2.00 in. east and north central with unusual early snows west and north central. Temperatures averaged 490 northwest, 51 to 530 elsewhere ranging from 9 to 130 below normal. First frost or freezing temperatures over State, 1 to 3 weeks earlier than normal.

Days suitable for fieldwork 2.5. Topsoil moisture 64% adequate, 36% surplus. Wheat 55% seeded, 55% 1984, 70% avg. Wheat 30% emerged, 20% 1984, 30% avg. Sorghum 90% coloring, 95% 1984, 90% avg. Sorghum 60% mature, 70% 1984, 65% avg. Sorghum 10% harvested, 25% 1984, 20% avg. Wet fields delayed harvest progress of row crops. Corn 98% mature, 96% 1984, 90% avg. Corn 40% harvested, 50% 1984, 40% avg. Soybeans 75% dropping leaves, 90% 1984, 75% avg. Soybeans 10% harvested, 25% 1984, 20% avg. Range, pastures excellent; growth slow.

KENTUCKY: Cold front moved in on 30th. Temperatures below normal through midweek, warm again. Second cold front moved through on 4th making weekend cold. Scattered showers occupied

each system. Temperatures averaged well below normal. Rainfall totals scattered, most amounts between 0.25 to 0.75 in. Soil temperatures at a depth of 4 in. averaged low to mid 60s.

Days favorable fieldwork 4.2. Soil moisture 19% short, 71% adequate, 10% surplus. Corn 44% harvested, 29% 1984, 40% avg.; 95% mature, 86% 1984, 90% avg. High moisture content delaying harvest some areas. Soybeans 15% fair, 76% good, 9% excellent; harvest 4% complete, 5% 1984, 9% avg.; 43% shedding leaves or beyond, 48% 1984, 56% avg. Burley stripping underway, 5% complete, none 1984, none avg. Wheat 16% seeded. Sorghum 30% harvested. Pasture 3% poor, 21% fair, 59% good, 17% excellent.

LOUISIANA: Temperatures averaged 3 to 100 below normal. Temperature extremes 420; 880. Rain totals averaged 1.11 to 2.00 in.

Days suitable for fieldwork 4.2. Soil moisture 6% short, 62% adequate, 32% surplus. Cotton 13% poor, 47% fair, 40% good; 98% open bolls, 92% 1984, 95% avg. Cotton 62% harvested, 23% 1984, 30% avg. Rice 99% ripe, 98% 1984, 99% avg.; 95% harvested, 96% 1984, 95% avg. Soybeans 57% fair, 38% good, 5% excellent; 81% leaves turning color, 83% 1984, 82% avg. Soybeans 58% shedding, 59% 1984, 57% avg.; 19% harvested, 19% 1984, 18% avg. Sorghum 97% harvested, 98% 1984, 93% avg. Sweetpotatoes 74% harvested, 76% 1984, 72% avg. Hay final cutting 91% complete, 93% 1984, 87% avg. Sugarcane fair to good; 65% planted, 82% 1984, 82% avg. Wheat 3% planted, 8% 1984, 9% avg. Pastures, livestock fair to good; vegetables fair to good.

MARYLAND & DELAWARE: Maryland: Temperatures near normal to 20 above normal; highs in mid 70s to low 80s; lows mid 40s to near 50. Precipitation averaged 0.95 in., ranging from 0.32 to 3.21 in.

Fieldwork 3.3 days suitable. Topsoil, subsoil moisture adequate. Corn fair to good. Corn 95% mature, 90% 1984, 90% avg. Corn for grain 60% harvested, 45% 1984, 55% avg. Corn silage 98% cut, 96% 1984, 97% avg. Soybeans 98% turned, 92% 1984, 85% avg. Soybeans 60% leaves shedding, 55% 1984, 55% avg. Soybeans 2% harvested, 5% 1984, 10% avg. Tobacco harvest complete on all but a few fields, 100% 1984, 95% avg. Alfalfa hay 90% cut four times, 80% 1984, 80% avg. Other hay 90% cut four times. Some other hay being cut for fifth time. Barley 55% seeded, 60% 1984, 60% avg. Wheat 30% seeded, 20% 1984, 20% avg. Rye 55% seeded, 45% 1984, 50% avg. Oats 45% seeded, 25% 1984, 35% avg. Apples 85% picked, 75% 1984, 75% avg.

Delaware: Temperatures near normal to 10 above normal; highs near 800; lows mid to upper 40s. Precipitation averaged 1.32 in. ranging from 1.04 to 1.44 in.

Fieldwork 2.0 days suitable. Topsoil moisture surplus. Subsoil moisture adequate. Corn for grain 70% harvested, 45% 1984, 60% avg. Corn silage 95% cut, 95% 1984, 95% avg. Soybeans 75% turning, 90% 1984, 85% avg. Soybeans 60% shedding leaves, 65% 1984, 55% avg. Barley 15% seeded, 15% 1984, 45% avg. Rye 20% seeded, 25% 1984, 30% avg.

MICHIGAN: Very cool fall week. Temperatures averaged 50 below normal. Moderate to heavy precipitation upper Peninsula. Light to moderate lower Peninsula.

Days suitable for fieldwork 4.4. Soil moisture 6% short, 45% adequate, 49% surplus. Fieldwork active during middle of week. Rain early and late in week slowed harvest, winter wheat planting. Corn 90% mature, 98% 1984, 91% avg.; 5% harvested, 10% 1984, 6% avg.; 5% poor, 20% fair, 50% good, 25% excellent. Soybeans 95% dropping leaves, 100% 1984, 98% avg.; 5% harvested 15% 1984, 13% avg.; 5% poor, 20% fair, 55% good, 20% excellent. Dry

beans 85% harvested, 90% 1984, 71% avg. Dry bean 15% poor, 30% fair, 40% good, 15% excellent. Winter wheat 50% planted, 70% 1984, 55% avg.; 5% emerged. Winter wheat 5% poor, 15% fair, 70% good, 10% excellent. Fruit, vegetable harvest continued as weather permits. Apple, grape harvest active. Onion, celery, carrot, processing tomato, pepper, cauliflower, broccoli harvests continued.

MINNESOTA: Temperatures averaged 6 to 11° below normal. Temperature extremes 23°; 68°. Precipitation averaged 0.23 in. below normal northwest; near normal to 1.68 in. above normal elsewhere. Greatest weekly total 3.31 in. Snowfall averaged 1 to 2 in. north central, northeast; none to trace elsewhere.

Days suitable for fieldwork 2.1. Topsoil moisture 33% adequate, 67% surplus. Corn 82% mature, 93% 1984, 92% avg.; 2% harvested, 8% 1984, 11% avg. Soybeans 79% mature, 95% 1984, 87% avg.; 4% harvested, 46% 1984, 29% avg. Sunflower 83% bracts turning brown, 96% 1984, 92% avg.; 2% harvested, 15% 1984, 20% avg. Sugarbeets 46% harvested, 26% 1984, 21% avg. Potatoes 72% harvested, 86% 1984, 76% avg.

MISSISSIPPI: Rainfall early in week slowed harvest activities. Temperatures abnormally cool. Extremes 33°; 88°. Greatest 24-hour rainfall 4.00 in.

Fieldwork 3.0 days suitable, 6.4 1984, 5.4 avg. Soil moisture 82% adequate, 18% surplus. Cotton 100% open bolls, 96% 1984, 98% avg.; 52% harvested, 21% 1984, 31% avg.; 5% poor, 9% fair, 77% good, 9% excellent. Soybeans 66% shedding, 78% 1984, 77% avg.; 13% harvested, 12% 1984, 12% avg.; 14% fair, 79% good, 7% excellent. Rice 99% harvested, 77% 1984, 72% avg. Corn 90% harvested, 63% 1984, 76% avg. Grain sorghum 85% harvested, 73% 1984, 72% avg. Sweetpotatoes 65% harvested, 63% 1984, 53% avg. Peanuts 80% harvested, 78% 1984. Hay 92% harvested, 93% 1984, 94% avg. Wheat 14% planted, 13% 1984, 14% avg. Pastures 22% fair, 78% good.

MISSOURI: Temperatures averaged 12° below normal. Precipitation averaged little over 1.00 in. across northern quarter, 0.75 in. southwest, less than 0.25 in. across rest of State.

Days suitable for fieldwork 3.9. Topsoil moisture 12% short, 63% adequate, 25% surplus. Corn mature 98%, 95% 1984, 91% avg.; harvested 37%, 44% 1984, 49% avg. Soybeans 2% poor, 22% fair, 67% good, 9% excellent; dropping leaves 68%, 69% 1984, 71% avg.; mature 45%, 46% 1984, 51% avg.; harvested 8%, 17% 1984, 22% avg. Grain sorghum coloring 94%, 99% 1984, 94% avg.; mature 82%, 89% 1984, 83% avg.; harvested 37%, 48% 1984, 45% avg. Cotton 7% poor, 36% fair, 57% good; bolls open 83%, 100% 1984, 98% avg. Winter wheat seeded 21%, 25% 1984, 27% avg.; emerged 7%, 9% 1984, 14% avg. Pasture 3% poor, 21% fair, 72% good, 4% excellent. Fall tillage for spring crops 17% completed.

MONTANA: Very cool week again. Temperatures 6 to 12° below normal. Hard freeze over all State early in week. Precipitation generally confined to 3rd only with many areas receiving no precipitation while other areas received 0.25 to 0.75 in.

Days suitable for fieldwork 3.5. Topsoil moisture 5% short, 79% adequate, 16% surplus. Subsoil moisture 32% short, 59% adequate, 9% surplus. Cool, wet weather delaying winter wheat seeding, wrap-up of small grain and hay harvest. Sugarbeets harvested 15%, 10% 1984, 10% avg. Corn silage harvested 85%, 90% 1984, 85% avg. Dry beans harvested 70%, 80% 1984, 80% avg. Potatoes harvested 40%, 55% 1984, 40% avg. Alfalfa hay

second cutting 90%, 100% 1984, 100% avg. Winter wheat 60% planted, 60% 1984, 75% avg. Winter wheat 45% emerged, 20% 1984, 40% avg. Livestock moved from summer ranges 75%. Grazing prospects on fall ranges 25% poor, 53% fair, 22% good. Stockwater supplies 22% short, 71% adequate, 7% surplus.

NEBRASKA: Week cool, dry. Little or no precipitation. Temperatures 9 to 12° below normal.

Days suitable for fieldwork 2.3. Topsoil moisture 56% adequate, 44% surplus. Subsoil 5% short, 84% adequate, 11% surplus. Winter wheat 12% poor, 21% fair, 55% adequate, 12% excellent. Wheat sown 85%, 96% 1984, 98% avg. Wheat emerged 55%, 65% 1984, 75% avg. All corn 5% fair, 71% good, 24% excellent. Irrigated corn 4% fair, 70% good, 26% excellent. Non-irrigated corn 1% poor, 6% fair, 73% good, 20% excellent. Corn mature 94%, 94% 1984, 95% avg. Corn harvested 9%, 15% 1984, 20% avg. Soybeans 37% fair, 60% good, 3% excellent. Soybeans dropping leaves 92%, 94% 1984, 90% avg. Harvested 3%, 25% 1984, 30% avg. Sorghum 18% fair, 77% good, 5% excellent; mature 93%, 93% 1984, 75% avg.; harvested 3%, 20% 1984, 25% avg. Pastures, range feed supplies mostly adequate to short. Short supplies continued Panhandle and north central counties. Movement of yearlings to market continued to be slow due to low prices.

NEVADA: Temperatures averaged slightly below normal statewide. Few scattered rain showers northeast, south beginning of week. Temperatures rose above normal, no precipitation reported remainder of period. Temperature extremes: 9°; 96°.

Good progress potato harvest. Alfalfa seed, and small grain combining about complete for 1985 season. Alfalfa hay harvest still in progress high elevation valleys central, north. Good progress digging onions. Garlic, winter grain planting in progress.

NEW ENGLAND: Temperatures averaged 4° above normal across Maine, 2 to 4° above normal elsewhere. Precipitation averaged 0.50 to 1.00 in. northern and coastal areas; 1.00 to 2.00 in. elsewhere.

Days suitable for fieldwork 5.0. Soil moisture adequate to surplus. Grazing availability adequate. Field corn and apple losses heavy in eastern Connecticut, Massachusetts from hurricane winds. Field corn 55% harvested, 70% 1984; poor to fair. Apples 60% harvested, on schedule with last year. Maine potatoes 90% harvested, 80% 1984, 80% avg.; quality excellent. Sweet corn harvest complete. Oats 95% combined, 95% 1984. Cranberries 10% picked in Massachusetts.

NEW JERSEY: Temperatures averaged 1 to 2° above normal. Extremes 33°; 80°. Weekly rainfall averaged 1.25 in. north, 1.46 in. central, 1.32 in. south. Heaviest 24-hour total 1.50 in. on 2nd, 3rd. Estimated soil moisture, in percent of field capacity, averaged 98% north, 96% central, 93% south. Four inch soil temperatures averaged 59° north, 63° central, 65° south.

Cool temperatures slowing crop growth. Soil moisture adequate to excessive. Harvest of fall vegetable crops active. Apple, cranberry harvest active. Combining of soybeans, corn for grain increasing. Some fourth cutting hay being made. Corn silage making well advanced. Pasture growth good. Seeding of fall sown grains, cover crops continued active and crops harvested. Early seeded fields showing good germination, early growth.

NEW MEXICO: Average temperatures from 5° below normal to 13° below normal, southeast Plains. Temperatures 17° northern mountains to 89°, southern desert. Precipitation meager statewide. Precipitation none to 0.27 in. northwestern Plateau, western mountains.

Days suitable for fieldwork 5.7. Soil moisture 91% adequate, 9% surplus. Hail damage 78% none, 11% light, 11% moderate. Alfalfa 50% fair, 50% good. Cotton 40% fair, 60% good; 80% open bolls, 100% 1984, 90% avg.; 1% harvested, none 1984, 5% avg. Corn 17% fair, 83% good. Barley 20% fair, 80% good. Irrigated wheat 20% fair, 80% good. Dryland wheat 50% fair, 50% good. Irrigated grain sorghum 17% fair, 83% good. Dryland grain sorghum 50% fair, 50% good. Pecans 100% good. Apples 100% good. Chile 17% fair, 83% good. Lettuce 100% good. Cattle 20% fair, 80% good; sheep 100% good. Range 50% fair, 40% good, 10% excellent.

NEW YORK: Week started warm, mild, dry with highs in 70s and lows in 40s and 50s 29th through 1st. Cold front arrived on 1st bringing scattered showers to State. Amounts highly variable with most areas getting 0.25 to 0.50 in. of rain. Turned much cooler midweek. Highs in 50s and 60s the rest of week except from Buffalo to Finger Lakes 4th where they rose to 70s. Lows in 40s and low 50s with 30s 3rd west of Utica, 25 to 35° in Adirondacks, St. Lawrence Valley. Second half of the week, a series of weak coastal storms brought clouds to eastern areas and spotty light rain. Most places trace, however lower Hudson Valley parts of Catskills up to 0.75 in. of rain fell 3rd. Late frontal system moved across State giving most areas 0.50 to 1.00 in. of rain.

Days suitable for fieldwork 5.5. Soil moisture adequate. Corn silage harvest 39% complete, 29% 1984, 52% avg. Grain corn harvest started. Hay quality good. Third cutting alfalfa hay 75% complete, 80% 1984, 75% avg. Dry bean harvest underway, low yields. McIntosh harvest continued. Long Island vegetables damaged from Gloria. Pasture good.

NORTH CAROLINA: Temperatures about 1° below normal over mountains, ranged from 1° below to 2° above normal in Piedmont, as much as 5° above normal coastal locations. Rainfall ranged from 0.20 to 4.63 in. across State.

Days suitable for fieldwork 4.3. Soil moisture 5% very short, 33% short, 44% adequate, 18% surplus. Burley harvested 99%, 98% 1984, 95% avg. Corn harvested for silage 97%, 94% 1984, 93% avg. Corn harvested for grain 79%, 72% 1984, 77% avg. Cotton 20% fair, 80% good; harvested 13%, 15% 1984, 27% avg. Peanuts 56% fair, 44% good. Peanuts dug 61%, 61% 1984, 38% avg.; threshed 34%, 33% 1984, 24% avg. Soybeans 2% poor, 55% fair, 41% good, 2% excellent; leaves dropped 22%, 16% 1984, 21% avg; 4% harvested, none 1984, 1% avg. Grain sorghum 39% fair, 59% good, 2% excellent; harvested 46%, 51% 1984, 51% avg. Sweetpotatoes 23% fair, 73% good, 4% excellent; harvested 50%, 36% 1984, 43% avg. Apples 18% poor, 46% fair, 36% good; harvested 79%, 77% 1984, 72% avg. Pastures 2% poor, 63% fair, 35% good. Major farm activities: Harvesting and marketing tobacco; cutting silage; harvesting hay, apples, corn, sorghum, cabbage, cotton; digging sweetpotatoes; digging and threshing peanuts; mowing; plowing and discing tobacco and corn stalks, land preparation for cover crops; fall seeding, general farm maintenance.

NORTH DAKOTA: Cool week with moderate precipitation. Temperatures averaged from 8° below normal northeast to 11° below normal southwest. Extremes ranged from 15° south central to 67° several locations. Most of State received precipitation averaging from 0.17 in.

east central to 0.56 in. southwest.

Moisture continues well above last year, average. Topsoil 6% short, 89% adequate, 5% surplus, statewide. Subsoil 25% short, or very short, 73% adequate, 2% surplus. Spring, durum wheat harvest still lags normal but nearing completion. Continued cool weather slowing dry-down of late season crops. Harvest progress remains slower than normal. Spring wheat 96% combined, 100% 1984, 99% avg.; durum 90% combined, 100% 1984, 98% avg. Sunflower 72% bracts brown and beyond, 97% 1984, 81% avg. Corn for grain 3% harvested, 24% 1984, 22% avg. Soybeans 21% combined, 72% 1984, 46% avg. Potatoes 68% dug, 93% 1984, 79% avg. Flax 60% combined, 100% 1984, 82% avg. Dry edible beans 48% combined, 99% 1984, 79% avg. Sugarbeet lifting at 54% complete.

OHIO: Highs from 50° to mid 60s, lows from mid 30s to 40°. Averages from 5 to 7° below normal. Soil temperatures at 4.00 in. under bare ground averaged mid to upper 50s. Precipitation from 0.25 in. north to nearly 1.00 in. south.

Days suitable for fieldwork 6.0. Topsoil moisture 44% short, 56% adequate. Corn mature 100%, 85% 1984, 85% avg.; harvested 15%, 7% 1984, 15% avg. Corn silage cut 80%, 55% 1984, 75% avg. Soybeans 2% fair, 76% good, 22% excellent; dropping leaves 98%, 95% 1984, 95% avg.; mature 80%, 40% 1984, 70% avg.; harvested 30%, 15% 1984, 30% avg. Winter wheat planted 35%, 20% 1984, 35% avg.; emerged 5%, 10% 1984, 5% avg. Hay good. Pasture fair.

OKLAHOMA: Temperatures averaged 11° below normal southeast to 16° below normal northwest 3rd. Precipitation averaged 0.02 in. Panhandle to 0.91 in. southeast.

Days suitable for fieldwork 4.4. Topsoil moisture 10% short, 75% adequate, 15% surplus. Subsoil moisture 20% short, 80% adequate. Wheat 10% excellent, 65% good, 25% fair; 60% planted, 30% 1984, 55% avg. Wheat 30% emerged, 10% 1984, 20% avg. Necessary moisture received to finalize seedbed preparations and accelerate seedings. Sorghum 100% coloring, 100% 1984, 100% avg.; 90% mature, 65% 1984, 80% avg. Sorghum 25% harvested, 20% 1984, 20% avg. Light freeze northwest lower moisture content, facilitates harvest. Cotton 85% open bolls, 70% 1984, 65% avg. Cotton 5% harvested, 5% 1984, 2% avg. Wet fields slowed cotton harvest. Pasture, pasture growth. Cattle marketings, prices up marginally.

OREGON: Temperatures west of Cascades, south central area ranged from normal to 6° above normal. East of Cascades, temperatures ranged from 1 to 5° below normal. Only slight precipitation at north coast, northeastern areas.

Soil moisture 55% short, 45% adequate. Winter wheat 20% planted, 27% 1984, 48% avg.; emerged 5%, 9% 1984, 21% avg. Fall tillage, seeding progressed well with dry weather; moisture needed for uniform germination. Grain harvest continued in east high country of Wallowa Lake, Klamath Counties. Final hay cut in many areas of east. Harvest of grain corn started at Hermiston, silage harvest near complete. Some silage corn harvested southwest. Willamette Valley Red clover threshing. Ryegrass emerging in west and central areas. Peppermint planting continued in central area. Malheur County bean harvest 75% completed. Pear harvest very near complete. Late apple varieties picked at Medford. Apple maturing ahead of normal Willamette Valley; good crop. Wine grapes being harvested. Filbert harvest progressed well. Southern coast cranberry growers spinkled for frost; no damage; fresh harvest continued. Walnuts began to drop. Potatoes Hermiston-Boardman going mainly to storage; harvest started in central region; Klamath digging

progressing well; half dug in Malheur County; western crop into storage in excellent condition; Wallawa County seed crop dug. Onion harvest virtually complete in Willamette Valley, good to excellent quality; Malheur County 75% harvested. Late sweet corn picked west. Cauliflower being harvested. Carrot harvest began. Livestock condition good. Range, pastures fair. Grass growth started on eastern winter range. Cattle coming off summer allotments. Hermiston, animals turned onto fall turnip, corn stubble fields.

PENNSYLVANIA: Temperatures averaged 57°; 20 above normal. Average rainfall 0.62 in., 0.06 in. below normal.

Days suitable for fieldwork 4.0. Soil moisture 13% short, 74% adequate, 13% surplus. Corn 1% very poor, 2% poor, 14% fair, 37% good, 46% excellent. Soybeans 1% very poor, 3% poor, 13% fair, 42% good, 41% excellent. Third cutting alfalfa virtually complete, 92% 1984. Fourth cutting alfalfa 64% complete, 50% 1984. Corn 71% mature, 44% 1984, 63% avg.; 14% harvested, 4% 1984, 7% avg. Soybeans 15% harvested, 8% 1984. Potatoes 88% harvested, 79% 1984. Quality of hay 18% poor, 50% fair, 32% good. Amount of feed being obtained from pastures 44% below avg.; 52% avg.; 4% above avg. Activities: Harvesting corn for grain and silage, green chop, hay, soybeans potatoes, peppers, broccoli, tomatoes, apples, grapes; fall plowing; seeding small grains.

PUERTO RICO: Island average rainfall 1.79 in., 0.05 in. below normal. Highest weekly total 5.27 in. Highest 24-hour total 3.35 in. Temperatures averaged about 80° on coasts, 75° interior divisions. Mean station temperatures ranged from 67 to 87°. Extremes 57°; 93°. Total rainfall 1.39 in., plus 0.04 in.

SOUTH CAROLINA: Cloudy, humid with numerous showers. Much needed rains, heaviest in driest areas of State. Rainfall varied from 1.00 to as much as 8.00 in.

Days available for field activities 4.4. Soil moisture 7% very short, 41% short, 50% adequate, 2% surplus. Soybeans 15% poor, 55% fair, 24% good, 6% excellent. Soybeans leaves turning 51%, 65% 1984, 60% avg.; shedding leaves 24%, 28% 1984, 31% avg. Cotton 41% fair, 59% good. Cotton open bolls 95%, 87% 1984, 90% avg.; cotton harvested 38%, 17% 1984, 29% avg. Corn fair to good; 91% harvested, 93% 1984, 93% avg. Tobacco 64% stalks destroyed, 82% 1984. Apples fair; 89% harvested, 85% 1984, 85% avg. Pastures, hay, winter grazing fair to good. Livestock fair to good.

SOUTH DAKOTA: Average temperatures ranged 8 to 15° below normal. Extremes 14°; 68°. Black Hills low 11°. Precipitation widespread, less than 0.50 in.

Days suitable for fieldwork 4.1. Topsoil moisture adequate east, south short and critically short west, scattered surplus east; 6% critically short, 24% short, 56% adequate, 14% surplus. Corn 1% very poor, 4% poor, 23% fair, 54% good, 18% excellent. Corn 69% mature, 87% 1984, 96% avg. Corn 2% harvested, 9% 1984, 16% avg. Winter wheat 5% poor, 25% fair, 65% good, 5% excellent. Winter wheat 93% planted, 98% 1984, 98% avg. Winter wheat 65% emerged, 69% 1984, 79% avg. Sorghum 1% very poor, 23% poor, 25% fair, 45% good, 6% excellent. Sorghum 85% coloring, 97% 1984, 100% avg. Sorghum 57% mature, 78% 1984, 84% avg. Sorghum 7% harvested, 12% 1984, 23% avg. Soybeans 15% fair, 70% good, 15% excellent. Soybeans 82% dropping leaves, 92% 1984, 98% avg. Soybeans 1% harvested, 28% 1984, 39% avg.

TENNESSEE: Two cold fronts crossed State. Mean temperatures below normal with scattered frost

reported. Precipitation widespread, heaviest amounts associated with first front on 30th, 1st. Sparser amounts received with second front on 4th, 5th.

Farmers averaged 3.5 days suitable for fieldwork. Soil moisture 11% short, 67% adequate, 22% surplus. Showers slowed harvest. Crops good condition. Corn 55% harvested, 30% 1984, 40% avg. Cotton 30% harvested, 10% 1984, 30% avg.; 93% good, 7% excellent. Burley tobacco 6% stripped. Soybeans 3% harvested, 1% 1984, 3% avg.; 60% dropping leaves, 47% 1984, 50% avg.; 25% mature, 10% 1984, 16% avg.; 8% fair, 81% good, 11% excellent. Sorghum 95% mature, 75% 1984; 70% harvested, 27% 1984. Wheat 15% sown, 16% 1984, 20% avg. Pasture mostly good.

TEXAS: Cool, dry air pushed into State early week behind slow moving frontal system. Few areas Panhandle freezing temperatures on 30th, showers fall southeast, south along front. Cool weather dominated entire State on 1st persisting though week. Light showers developed on 2nd Trans-Pecos, Concho Valley, as upper level disturbance crossed region. Dry reinforcement cool air raced across on 4th, producing strong gusty winds Panhandle, South Plains, northeast. Precipitation below normal. Temperatures below normal all areas except Lower Rio Grande Valley, slightly above normal.

Crops: Grain sorghum 99% turning color, 97% 1984, 96% avg.; 88% mature, 78% 1984, 83% avg.; 69% harvested for grain, 69% 1984, 72% avg. Sorghum 2% poor, 15% fair, 68% good, 15% excellent. Harvest activities little progress last week because wet conditions. Frost High Plains could hurt yields later fields. High winds accompanied cold weather Plains, caused some lodging. Sorghum remaining Blacklands continued to produce good yields. Harvesting about complete Upper Coast. Corn 99% mature; 89% harvested, 85% 1984, 84% avg. Harvesting moved along slowly late week High Plains. Freezing temperatures little effect yields; high winds caused lodging some areas. Cotton 55% open bolls, 50% 1984, 60% avg.; 19% harvested, 16% 1984, 19% avg. Cotton 2% poor, 40% fair, 53% good, 5% excellent. Cooler, wetter conditions slowed maturing over Plains. Frost will cause damage later fields. Some defoliating scattered areas. Cross Timbers; most producers will wait for killing freeze. Few fields remain for harvest as ground dries extreme north central. Rain slowed harvest operations east, activities winding down for season. Harvest underway southern High Plains. Rice 100% turning color, 100% 1984, 100% avg.; 98% harvested, 100% 1984, 100% avg. Peanuts 20% harvested, 19% 1984, 24% avg. Harvest continued slow pace many areas since wet ground hampered activities. Yields continued fair. Additional rainfall should improve conditions later varieties. Cooler temperatures continued cause disease problems. Soybeans 14% harvested, 33% 1984, 15% avg. Harvest underway High Plains early fields. Yields good. Stands good along Upper Coast, rain slowed pod droppage. Wheat 40% planted, 54% 1984, 49% avg.; 19% emerged, 17% 1984, 22% avg. Small grain seedings increasing as fields dry out from recent rains. Many fields planted early before rain up to stands. Rain will also boost more recently planted fields. Armyworm infestations noticed some emerged fields. Other field crops: Sugarbeets none harvested, 21% 1984, 6% avg. Sunflowers 40% harvested, 36% 1984, 34% avg. Oats 34% planted, 44% 1984, 38% avg.

Commercial Vegetables: Rio Grande Valley, heavy rains washed out some vegetable fields, replanting necessary. Most fields benefit from moisture. Fall planting slowed. San Antonio - Winter Garden, land preparation slow. Some spinach planting begun. High Plains, hand harvesting

cucumbers, peppers, cabbage all that possible because wet ground. Frost could hurt some vegetables. East sweetpotato harvest about half complete, production, quality above average. Trans-Pecos, chili harvest continued. Pecans continued mature across State, harvest increased south early varieties. Many other areas within two weeks of beginning harvest. Yield outlook good.

Range and Livestock: Ranges, native pastures improving statewide after early fall rain. Increased growth, greening occurring. Warmer temperatures now needed so ranges, pastures fully benefit from additional moisture. Cooler temperatures slowing growth. Some feeding continuing. Livestock good condition. Marketing active few areas. Prices steady to slightly higher some areas.

UTAH: Temperatures from 1 to 60 below normal. Very light precipitation western and southern part of State, remainder dry.

Days available for fieldwork 6.6. Rain at weekend improved soil moisture however, much of State still short. Generally dry weather beneficial for onion, potato growers. Winter wheat seeding 75% complete. Dry bean harvest 90% complete. Corn silage 78%, potatoes 36%, onions 69%, apples 38%. Corn for grain mature 62%. Late season crops in good shape, recent rains will slow harvest, cause some spoilage in onions. Livestock moving to winter range, good condition. Winter range feed generally fair to poor.

VIRGINIA: Fair weather beginning period, cool wet last half period. Temperatures averaged 20 below normal; range 32 to 82. Rainfall range 0.50 to 4.00 in. Heaviest amounts south central, eastern regions. Lightest amount southwest.

Days suitable for fieldwork 3.0. Topsoil moisture 18% short, 42% adequate, 40% surplus. Ratings reflect surplus moisture in east, southeast, short moisture in southwest. Corn 95% mature, 94% 1984, 97% avg. Grain corn 56% harvested, 50% 1984, 56% avg.; excessive rain slowed harvest. Silage corn 92% harvested, 91% 1984, 92% avg. Soybeans good to excellent. Soybeans 3% harvested, 2% 1984, 4% avg. Peanuts good to excellent. Harvest slowed with excessive soil moisture. Digging 48% complete, 62% 1984, 51% avg.; combining 30% complete, 38% 1984, 34% avg. Flue-cured tobacco 92% harvested, 97% 1984, 95% avg. Wheat 8% seeded, 12% 1984, 13% avg. Barley 25% seeded, 28% 1984, 36% avg. Oats 28% seeded, 38% 1984, 46% avg. Sweetpotato harvest slightly above half complete, normal progress. Final hay harvest winding down. Pasture mostly good since recent rains. Livestock good to excellent. Cattle sales active.

WASHINGTON: Cool, dry air early week followed by cloudy skies, light rain. Weather improved as week progressed. Temperatures 1 to 80 below normal statewide.

Days suitable for fieldwork 6.7. Soil moisture 27% poor, 55% fair, 18% adequate. Range pasture 64% short, 36% adequate. Hay supplies 10% short, 90% adequate. Winter wheat 73% seeded, 67% 1984, 69% avg.; 45% emerged, 54% 1984, 54% avg. Potatoes 56% harvested, 54% 1984. Freezing temperatures slowed wheat growth, grape harvest. Apple harvest full swing. Frost damage some vegetable crops, ended haying season. Livestock in good condition.

WEST VIRGINIA: Temperatures averaged 1 to 60 below normal. Low 31° at Greenbank; high 86° at Williamson. Average temperature 56°. Precipitation above normal. Most rainfall, Williamson 1.88 in.; least Bluefield 0.49 in. Average precipitation 0.75 in.

Days suitable 4.3. Soil moisture short to adequate. Harvesting corn, filling silos, general farm maintenance.

WISCONSIN: Average temperatures 6 to 80 below normal. Precipitation 2.10 to 3.10 in. north, 0.90 to 1.30 in. central, 0.60 in. to 0.90 south.

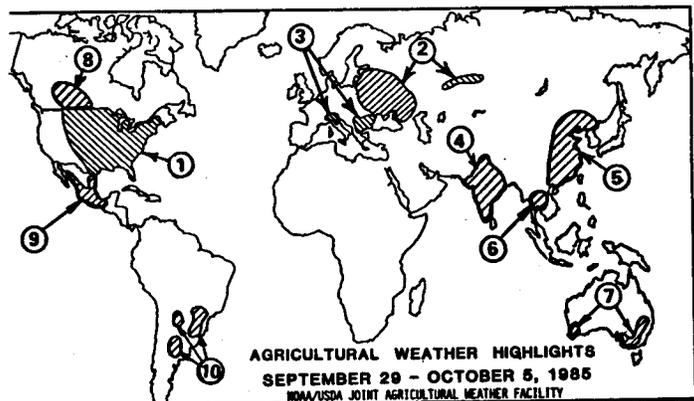
Days suitable for fieldwork 3.5. Soil moisture 1% short, 32% adequate, 67% surplus; fields in muddy condition. General crop condition 1% very poor, 2% poor; 20% fair, 69% good, 8% excellent. Corn 1% very poor, 5% poor, 18% fair, 63% good, 13% excellent; mature 82%, 98% 1984, 93% avg.; harvested 6%, 10% 1984, 6% avg.; silo filling 40%, 74% 1984, 51% avg. Soybeans shedding leaves 72%; harvested 3%, 16% 1984, 8% avg. Cranberry harvest in full swing. Emerging winter wheat good to excellent. Pastures 90% of normal, 81% 1984, 87% avg.

WYOMING: Average temperatures well below normal. Precipitation above normal except northwest.

Days suitable for fieldwork 4.0. Topsoil moisture 47% short, 51% adequate, 2% surplus. Winter wheat 95% seeded, 95% 1984, 95% avg.; 80% emerged, 75% 1984, 75% avg.; 20% poor, 40% fair, 40% good. Barley, oat harvest wind-up stage most areas. Corn silage 90% harvested, 90% 1984, 85% avg. Corn for grain 5% dough; 25% dented; 60% mature; 10% harvested, 20% 1984, 10% avg. Dry beans 80% combined, 80% 1984, 75% avg. Potatoes 60% dug, 75% 1984, 65% avg. Sugarbeets 20% dug, 20% 1984, 10% avg. Grazing prospects, fall 50% poor, 40% fair, 10% good; winter 50% poor, 35% fair, 15% good. Stockwater supplies 25% short, 75% adequate.

International Weather and Crop Summary

Sept. 29 - Oct. 5, 1985

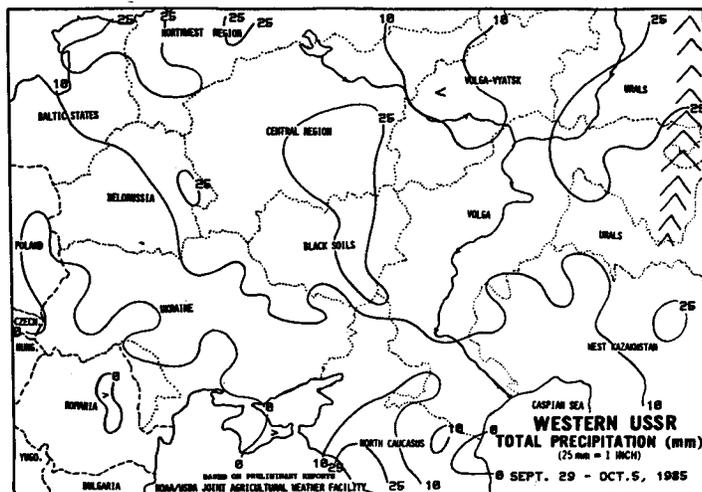
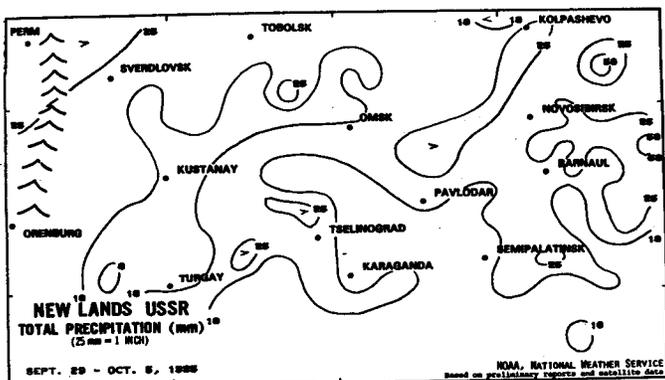


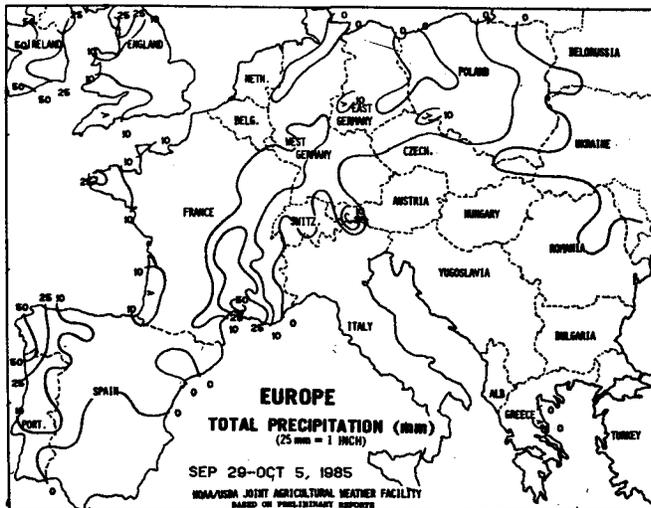
HIGHLIGHTS:

1. **UNITED STATES** ... Rain across much of the eastern half of the Nation slows small grain seeding and delays harvest.
2. **USSR** ... In Western USSR, widespread showers and above-normal temperatures in the north benefit winter grain growth. Dry weather in the south aids fieldwork. In the New Lands, wet weather in the north and east delays final harvest efforts.
3. **EUROPE** ... Generally dry weather helps fieldwork. Topsoil moisture in northern Italy and parts of the southeast is unfavorably low for winter grain planting.
4. **SOUTH ASIA** ... Moderate to heavy rain benefits cotton and groundnuts following an extended dry period. Moisture is adequate for rice.
5. **EASTERN ASIA** ... Dry weather favors summer crop harvesting. Typhoon Brenda causes little damage to rice.
6. **SOUTHEAST ASIA** ... Most rice areas have adequate moisture.
7. **AUSTRALIA** ... Dry, warm weather is unfavorable for eastern wheat in the heading stage.
8. **CANADA** ... Light precipitation and cool weather hamper drying, but Prairies crop harvest progresses some.
9. **MEXICO** ... Mostly dry weather occurs in the north while shower activity covers the southern corn belt and the Yucatan.
10. **SOUTH AMERICA** ... Beneficial rain helps Argentina's crops, but dryness persists in Brazil's central crop areas where summer crop planting and coffee flowering are underway.

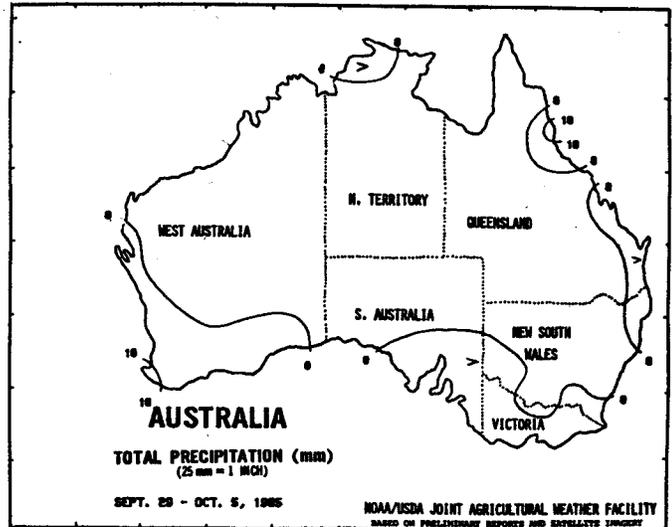
USSR...Widespread showers (10-40mm) continued over the northern half of Western USSR, while light scattered showers covered the south. Several days of dry weather over the Ukraine, North Caucasus, and the lower Volga Valley aided corn, sunflower, and sugarbeet harvesting, as well as winter wheat planting. Additional showers in these areas would benefit winter grain emergence. Winter wheat can be planted in the south as late as early October. After early October, planting based on normal weather conditions may not ensure proper plant establishment before dormancy, making the crop more vulnerable to winterkill. Weekly temperatures were above normal in the north, allowing additional winter grain growth.

In the New Lands, wet weather covered northern and eastern spring wheat areas, delaying final harvest efforts. Spring wheat harvesting is likely complete in central and southern areas. In South Central USSR cotton areas, continued dry weather aided the cotton harvest.

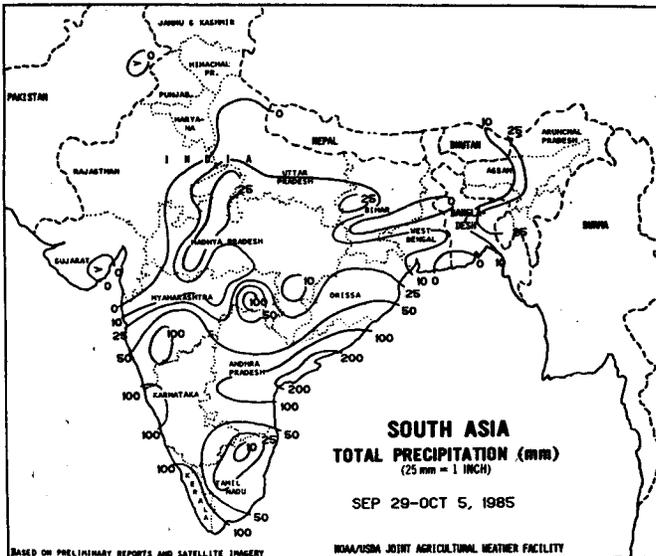




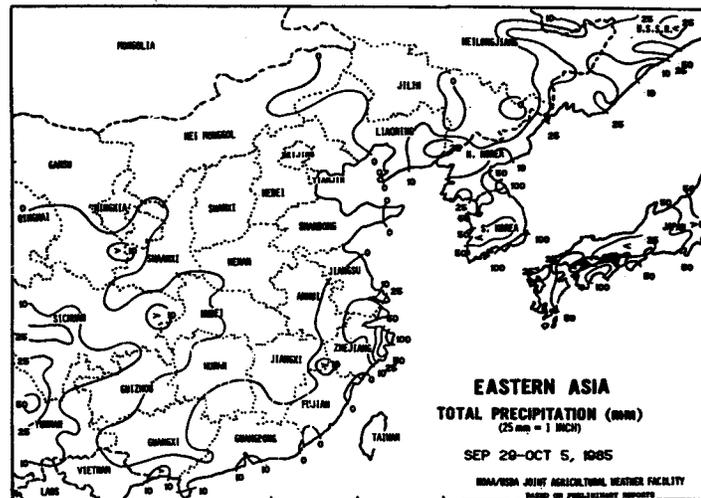
EUROPE...Unseasonably warm, dry weather covered most crop areas. Dry weather in the north benefited summer crop harvesting and winter grain planting. Additional showers are needed in these areas, particularly northern France, to ensure proper seed emergence and good early plant establishment. Dry weather continued to cover southwestern France, Italy, and southeastern Europe, aiding summer crop harvesting. However, topsoil moisture in northern Italy, eastern Yugoslavia, Romania, and Bulgaria is unfavorably low for winter grain planting. The wet weather which covered eastern and southeastern France fell outside the principal grain area.



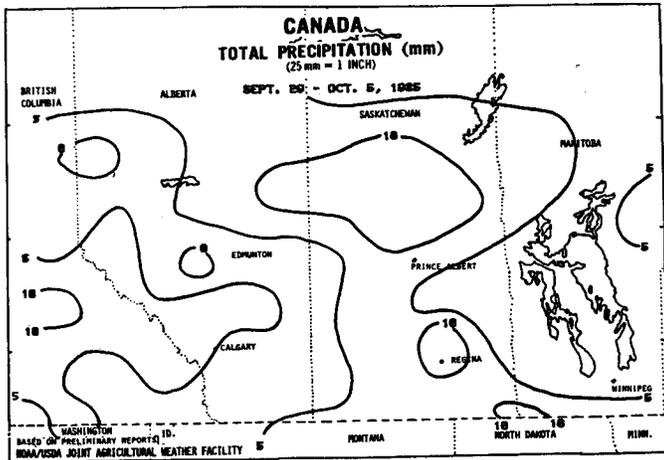
AUSTRALIA...Relatively dry weather continued across much of the agricultural region. Very light showers (1-3mm) fell in southern wheat areas of New South Wales. Dry weather covered central and northern New South Wales and Queensland. Temperatures averaged above normal and reached 33C in central New South Wales. Moisture is limited for wheat, which is mostly in the heading stage while some of the crop is entering the filling stage. Only light showers (1-5mm) fell in the remaining wheat areas of Victoria, South Australia, and Western Australia. Moisture in these regions is more plentiful but has become drier during the past 3 weeks.



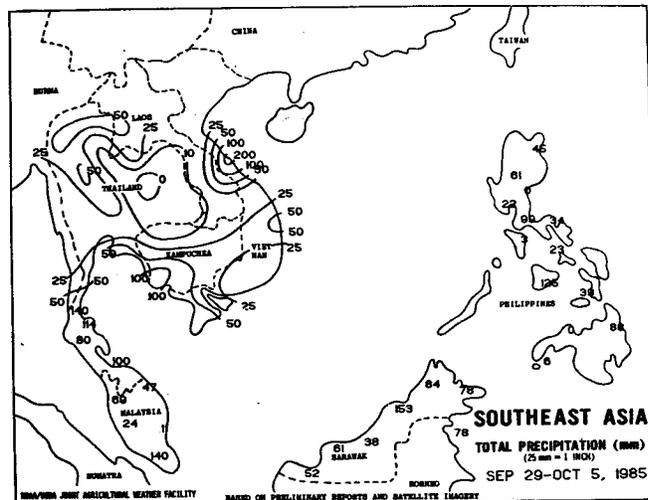
SOUTH ASIA...Significant rain fell over much of the cotton and groundnut region this week. Moderate to heavy rain (50 to over 100mm) covered Maharashtra, Karnataka, and Andhra Pradesh. Harvesting normally begins in October, but a late start of the monsoon season delayed planting. Late developing crops benefited from the recent moisture. However, the yield potential has been reduced by much drier than normal rain during August and September. Dry weather continued in Gujarat and western Madhya Pradesh. Variable rain fell in Bihar and West Bengal, but winter rice nearing the heading stage has adequate moisture. Drier weather across the north allowed wheat planting to get underway.



EASTERN ASIA...Drier weather covered much of China's agricultural regions. Nearly all of the North China Plain was dry favoring summer crop harvesting and winter wheat planting. Light rain in Manchuria may have slowed corn and soybean harvesting. Light rain fell in the south, benefiting late rice. Late in the week, Typhoon Brenda brushed the east coast of China. Heavy rain (100mm) and high winds may have damaged a small amount of cotton and rice near the coast. Typhoon Brenda wind speeds weakened as the storm moved through the Korean Strait, but maturing rice in South Korea may have been damaged.

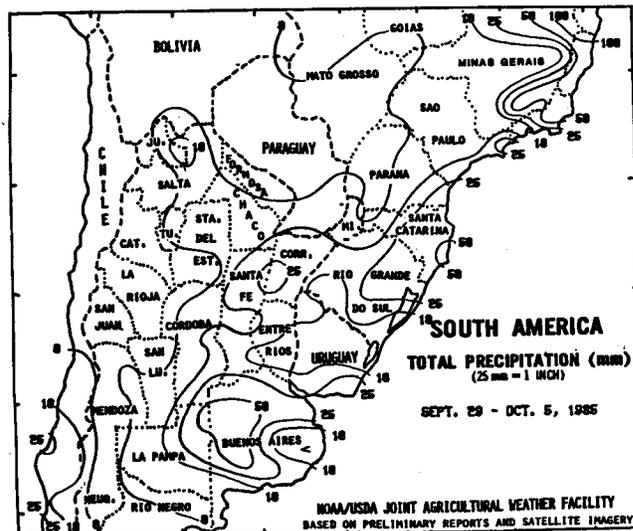


CANADA...Light precipitation fell during the week across the Prairie Provinces. Weekly totals generally averaged less than 5mm, but scattered locations in Saskatchewan reported about 10mm. Cool weather continued over the region with only a brief warming period during midweek. Minimum temperatures dropped below freezing on several mornings, slowing crop drying. Swathing is reportedly complete in Saskatchewan, but combining is only about one-half complete. Similarly, Alberta's crops were over 90 percent swathed, but the persistent unfavorable harvesting conditions have slowed combining. Crop quality has been seriously affected throughout the grain belt.



SOUTHEAST ASIA...Relatively dry weather covered eastern Thailand. Moderate rain last week benefited rainfed rice in the area, but parts of the northeast have been too dry this season. Moderate rain (25-50mm) favored rice in northern and south central Thailand. Early in the week, Typhoon Andy struck the coast of Vietnam. Heavy rain (100-200mm) and high wind probably damaged rice in central Vietnam. Light to moderate rain fell in Kampuchea and Southern Vietnam.

NO MAP AVAILABLE



SOUTH AMERICA...In Argentina, substantial showers fell over most of Buenos Aires, southeastern Cordoba, northeastern La Pampa, and southern Santa Fe. Weekly rainfall averaged 18-64mm in these areas. The moisture helped wheat's vegetative growth and summer crop plantings. Corn planting is already nearly 20 percent complete. Conditions are much improved for southern wheat, soon entering the heading stage. Minimal rain fell in extreme southwestern Buenos Aires, but the previous week's showers helped topsoil reserves. In Brazil, some light rain (5-16mm) fell in southern wheat areas with heavier showers (20-42mm) occurring in eastern portions of Rio Grande do Sul and Santa Catarina. Dryness persists in more northern crop areas, except for showers along east-coastal portions of Parana, Sao Paulo, and Minas Gerais. Rain is urgently needed for summer crop planting and coffee tree flowering.

MEXICO...Satellite data suggest widespread shower activity occurred over most of the Southern Plateau corn belt, except for northern portions where mostly dry weather prevailed. Little or no rain fell over northern portions of the country, leaving northwestern wheat areas and west coast farming regions mostly dry as the planting season progresses. The dryness aided cotton harvesting in the northeast. Convective shower activity spread from the southern corn belt eastward to the Yucatan peninsula. Rain in this region would benefit corn in early vegetative growth.

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points below the average, by September 29th. As the month drew to a close, seeding was behind normal in 12 of the 18 major producing States. Only Idaho and Washington were ahead of the normal seeding pace. Moisture promoted emergence and growth across the central and northern Plains but delayed planting. Dryness hampered seeding in Texas and the Southeastern States.

Nebraska's wheat was 75% seeded compared with 90% last year and average. Forty-five percent of the acreage planted was emerging, 15 points below the average. Moisture at month's end was ideal for germination and growth.

Oklahoma's wheat was mostly good with 35% of the acreage seeded. Seeding equaled the average and was 15 points above 1984.

In Kansas, winter wheat was 40% seeded as the month ended. Seeding was 5 points ahead of 1984 but 10 points below the average. Snow and rain slowed planting but provided ample moisture for germination and growth. Very little damage resulted from the snow and cold temperatures the last week of September.

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