

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

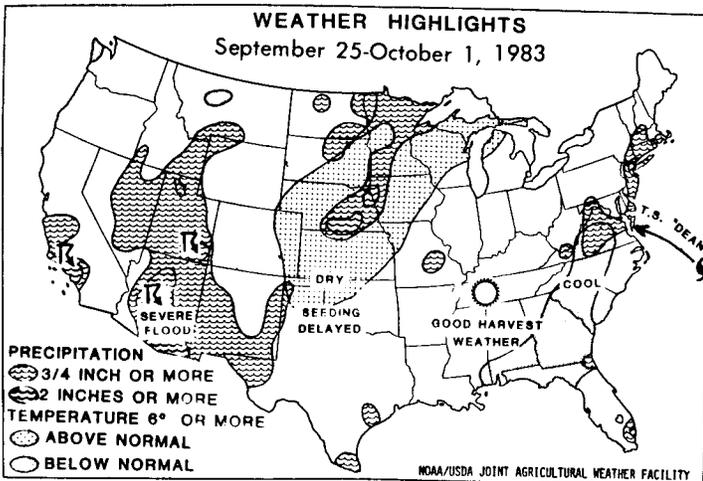
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Oct. 4, 1983

National Weather Summary

Sept. 25 to Oct. 1



TUESDAY... Showers and thunderstorms developed along and ahead of a slow-moving cold front in the Northwest. Showers were light to moderate from northern Nevada through Utah to Montana, and spread eastward into Wyoming and the northern Plains. Clear skies in the East invited more cold weather and some record low temperatures were set in the Southeast. High temperatures in the nineties continued in the Plains, but cooler air dominated the Rockies and the Plateau.

WEDNESDAY... The cold front moved rapidly to a line from the central Rockies through eastern Nebraska to the western Great Lakes. Generally light to moderate showers fell along and ahead of the front, but eastern Nebraska had some heavy thunderstorms with downpours of 2-6 inches. Cool weather continued in the East with some moderation as warmer air moved eastward from the Plains. Another surge of cool air pushed into the northern Plains behind the cold front. Snow fell in the northern Rockies.

THURSDAY... Lots of moisture moving into the southwestern United States triggered heavy showers and thunderstorms from central Arizona into southwestern New Mexico, and lighter showers throughout the Plateau and California. Light showers fell from Nebraska into the northern Plains and to the Great Lakes. On the east coast, Tropical Storm Dean, moving toward the mid-Atlantic States, caused rain to spread from the Carolinas to New Jersey.

(continued on p. 8)

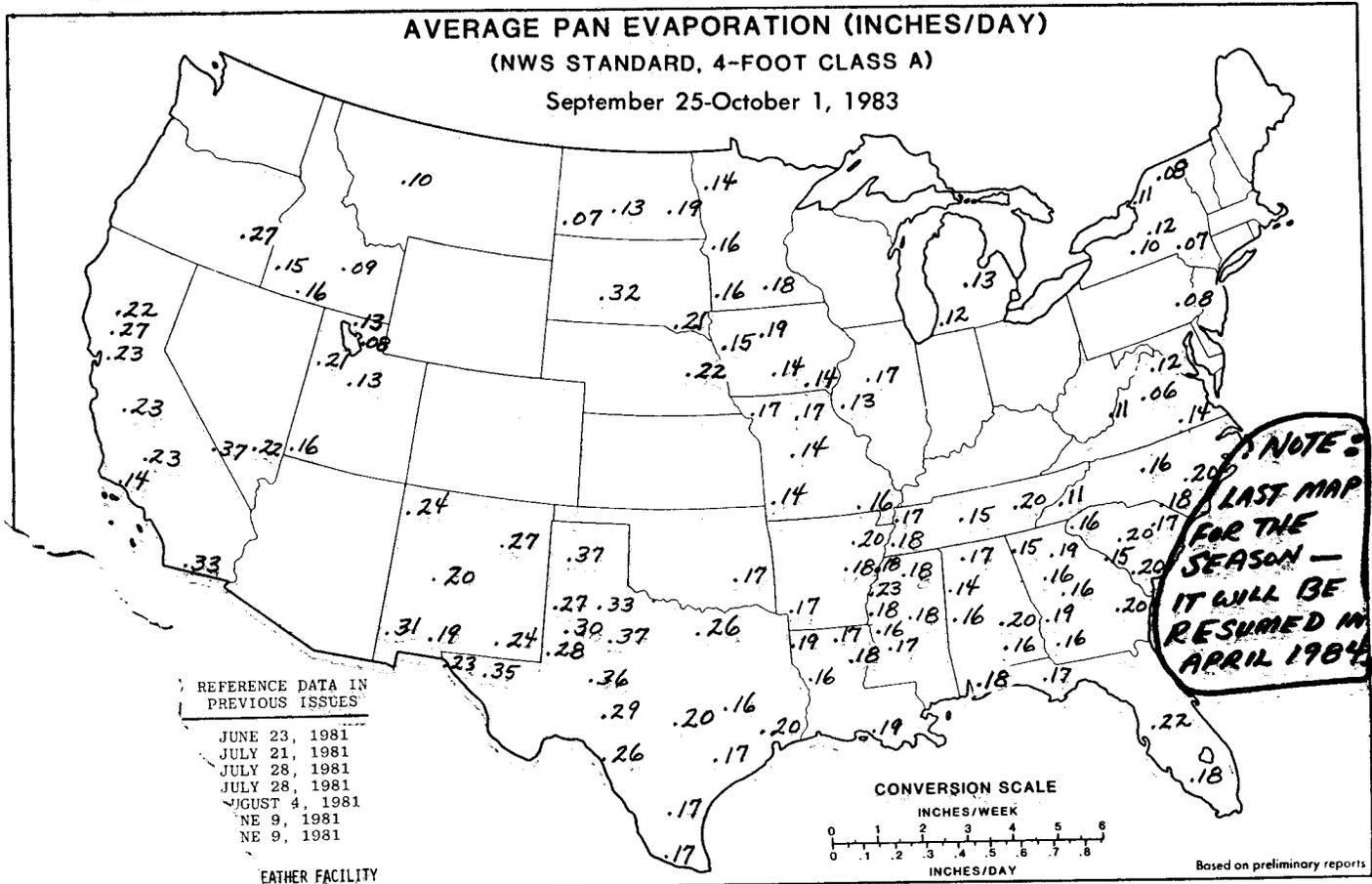
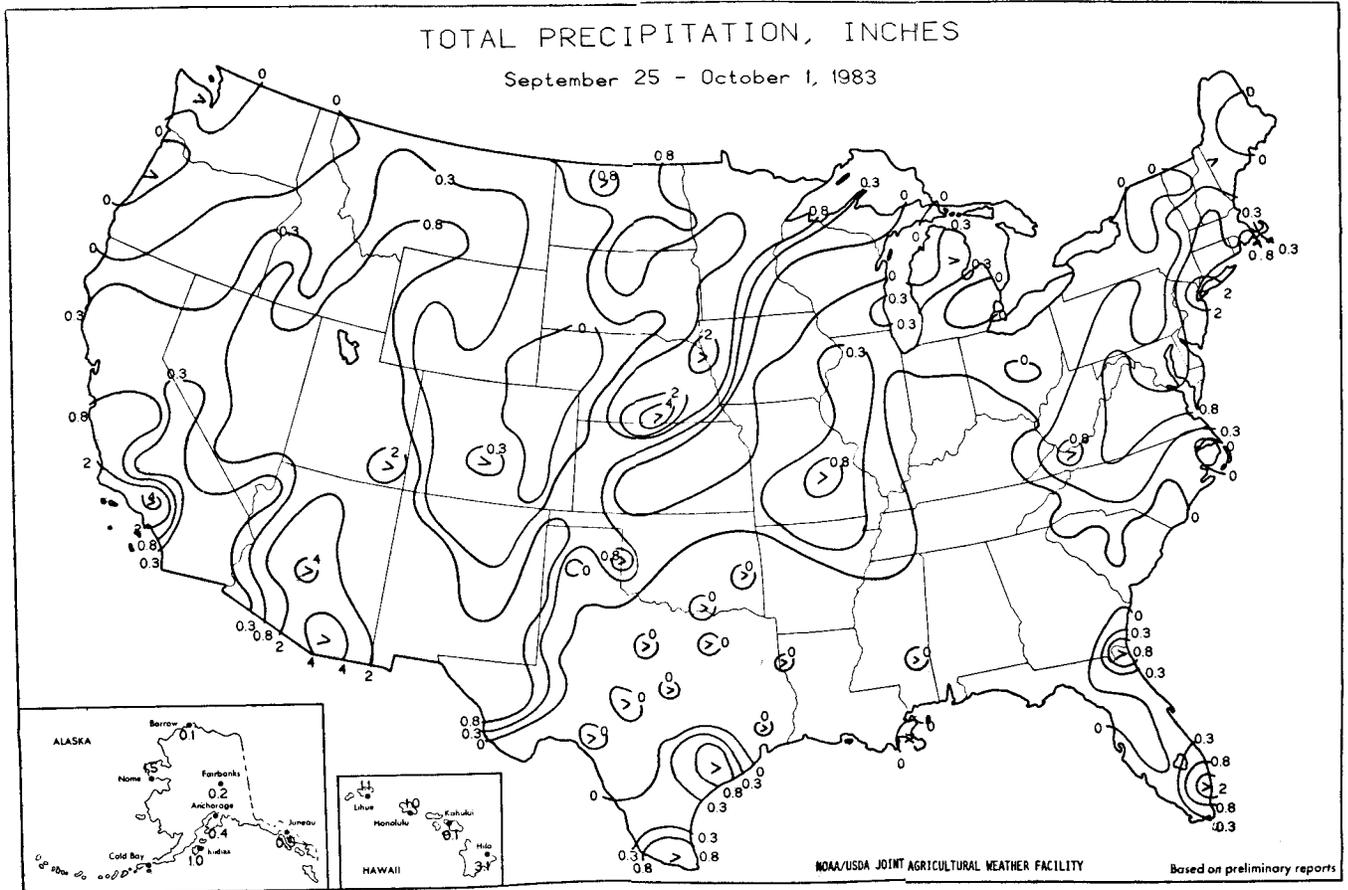
HIGHLIGHTS: Widespread showers and thunderstorms covered the Southwest, the Plateau, and the northern and southern Rockies. Rain fell in California's San Joaquin Valley and flooding occurred in southern Arizona and southwestern New Mexico. Some heavy rain from north-central Kansas to the western Great Lakes slowed the drying of corn and beans and may have lodged some late corn. Tropical Storm Dean moved onto the Virginia shore late in the week. The storm dissipated rapidly but its remnants spread rain from North Carolina to southern New England. Average temperatures for the week were cool in the East and the West, but above-normal temperatures reached from western Texas to the western Great Lakes region.

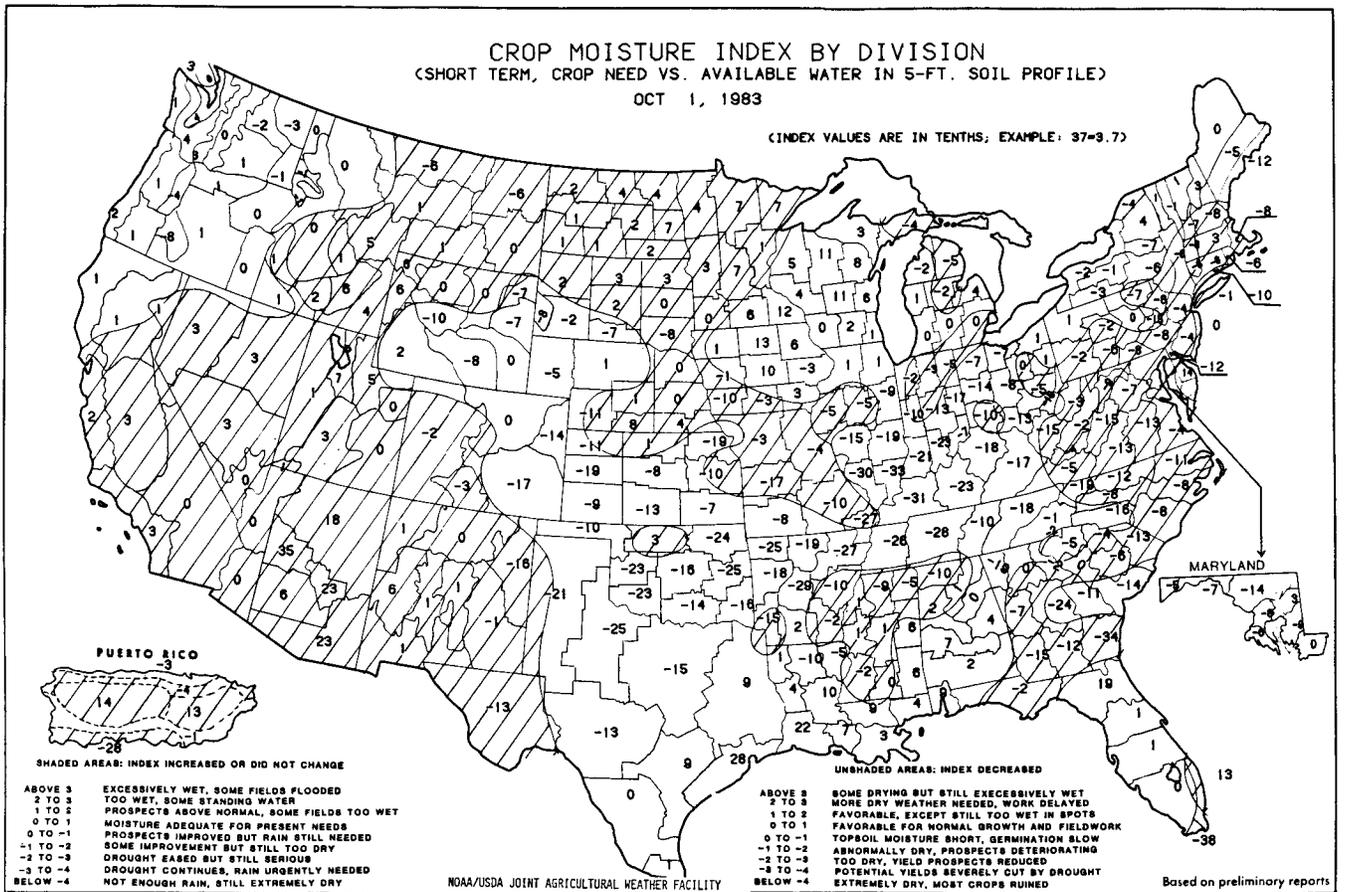
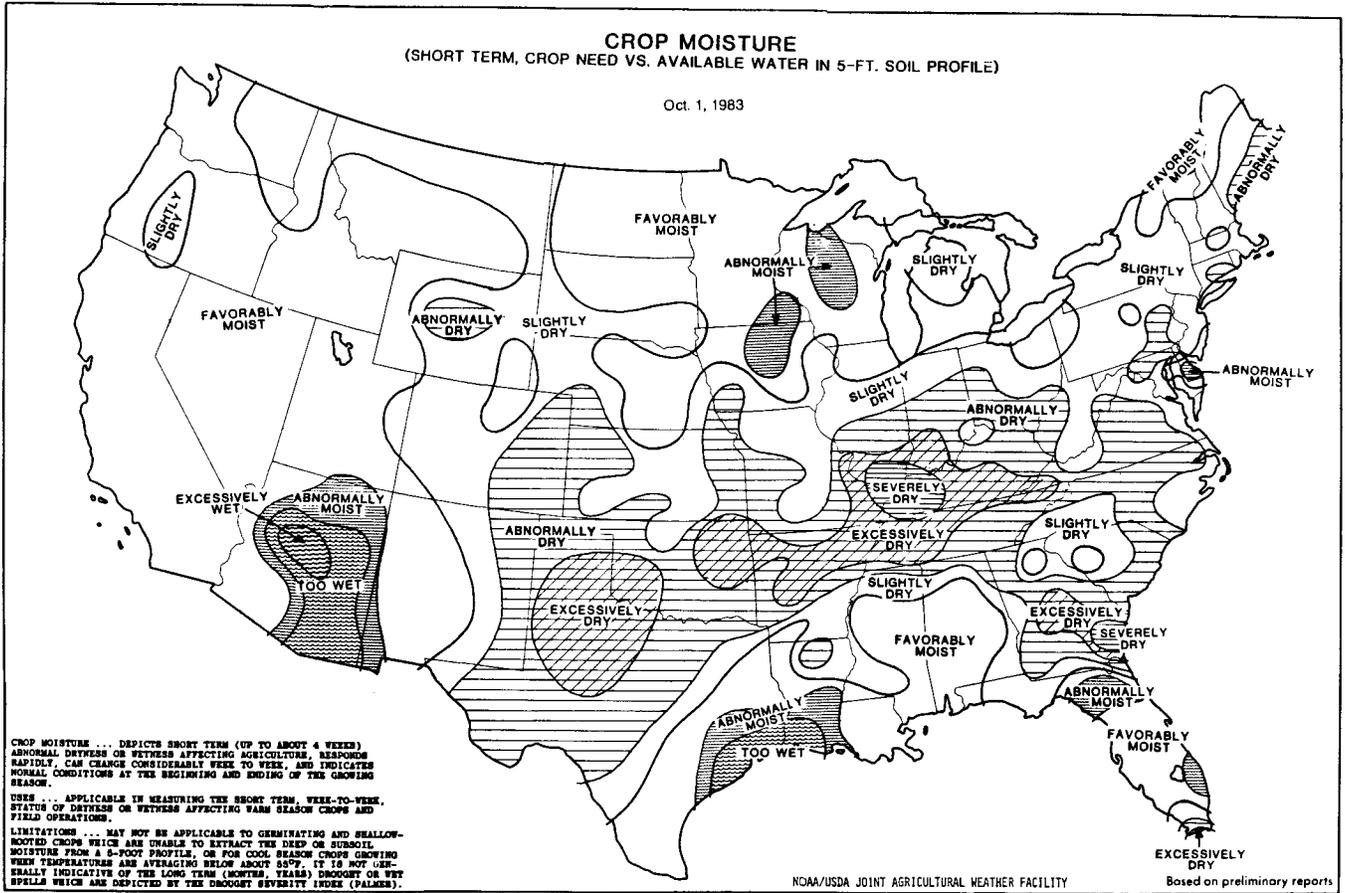
SUNDAY... Generally light showers were scattered from Oklahoma to Michigan and eastward to western New York and western Tennessee. A few moderate showers fell in Missouri and Illinois. Temperatures continued to be quite cool in the East and a scattering of frost was reported through the middle and northern Appalachians. Warmer weather covered the Plains. Afternoon highs reached 90° in South Dakota.

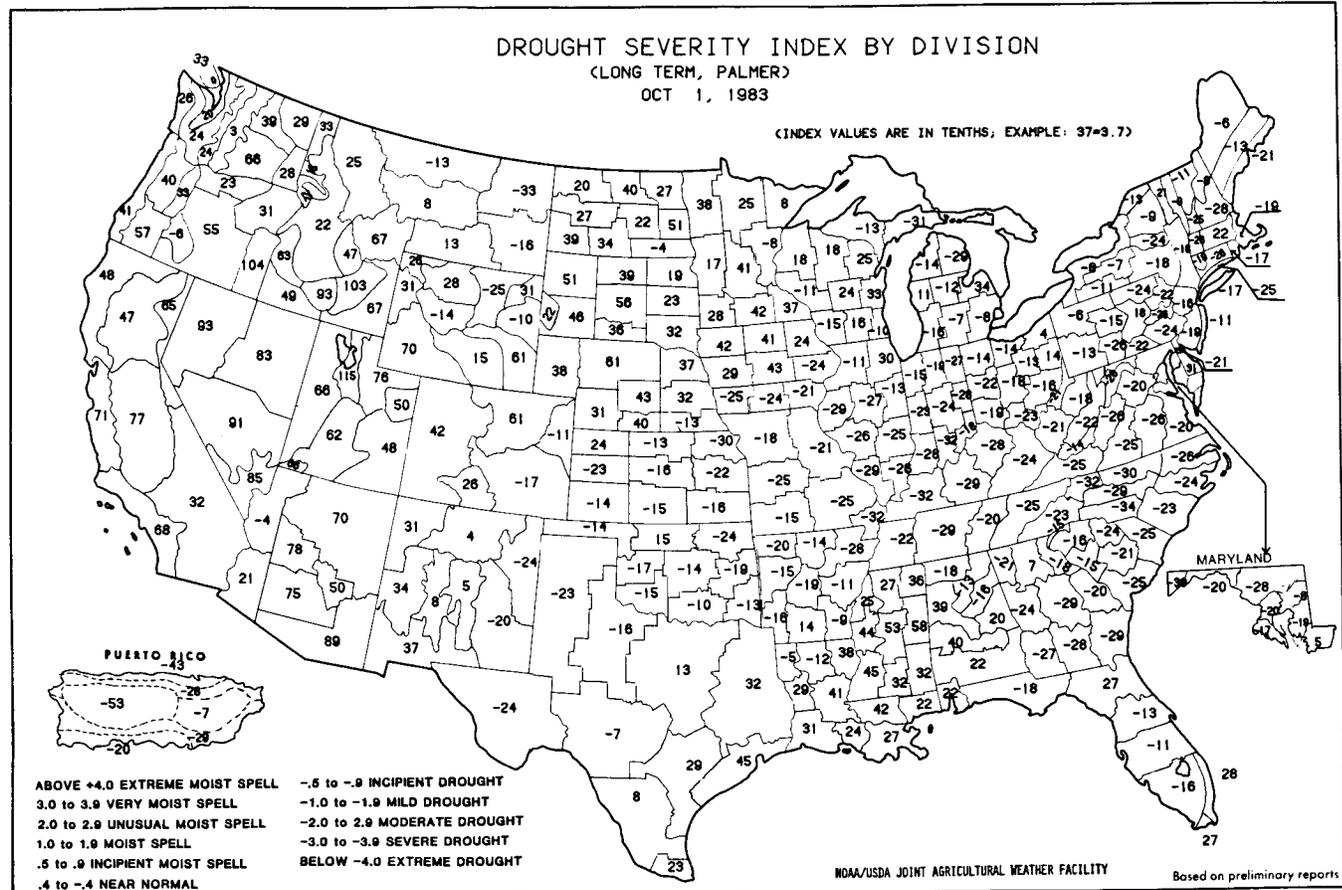
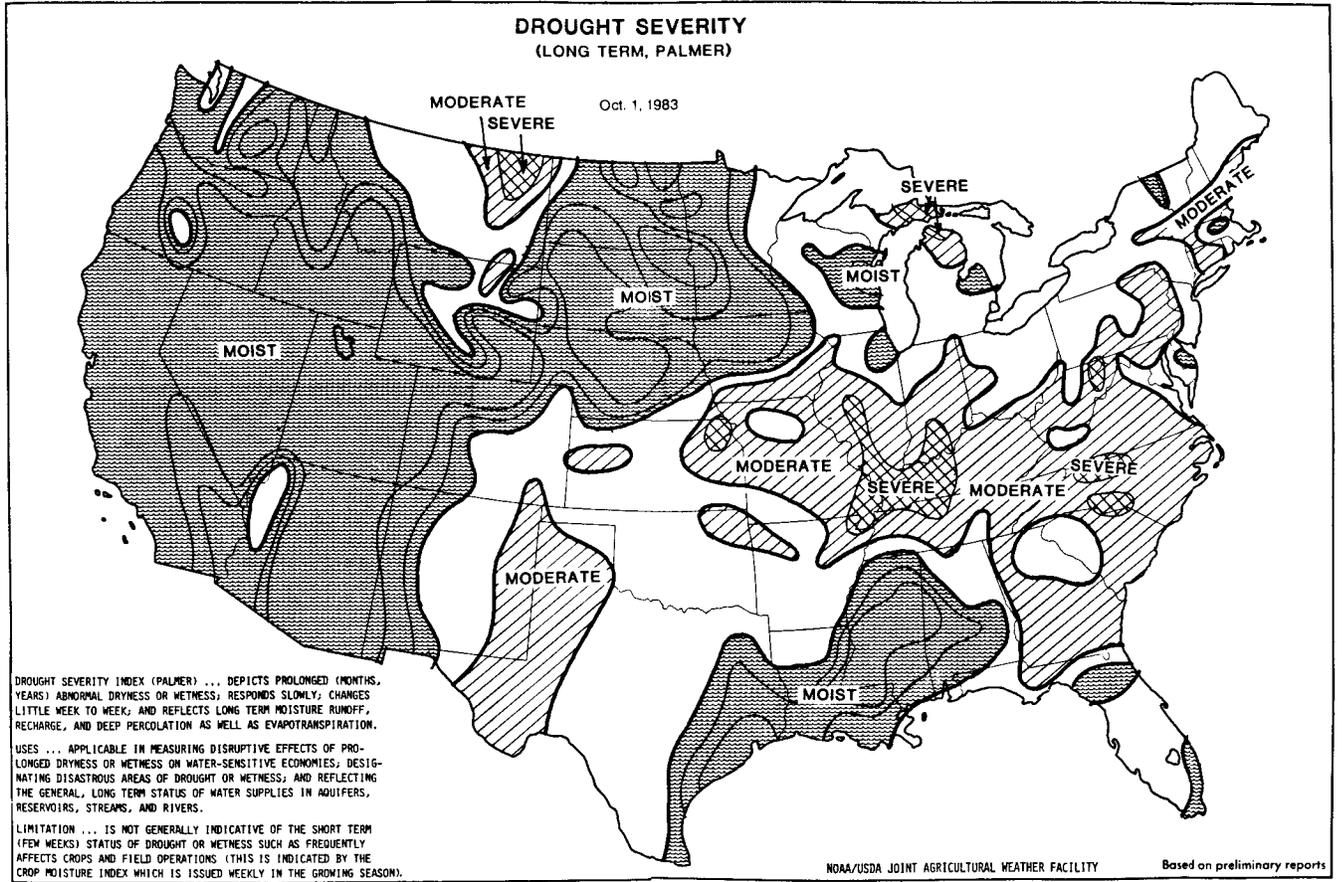
MONDAY... Most of the area east of the Rockies was without rain but a few very light showers continued through the eastern Great Lakes, western New York, Florida, and the southwestern gulf coast. Thunderstorms were widespread in the Southwest and over the Plateau. It was still cool in the East Coast States but warming continued through the Plains and spread eastward. Record high temperatures, in the nineties, were set in Wyoming and North Dakota.

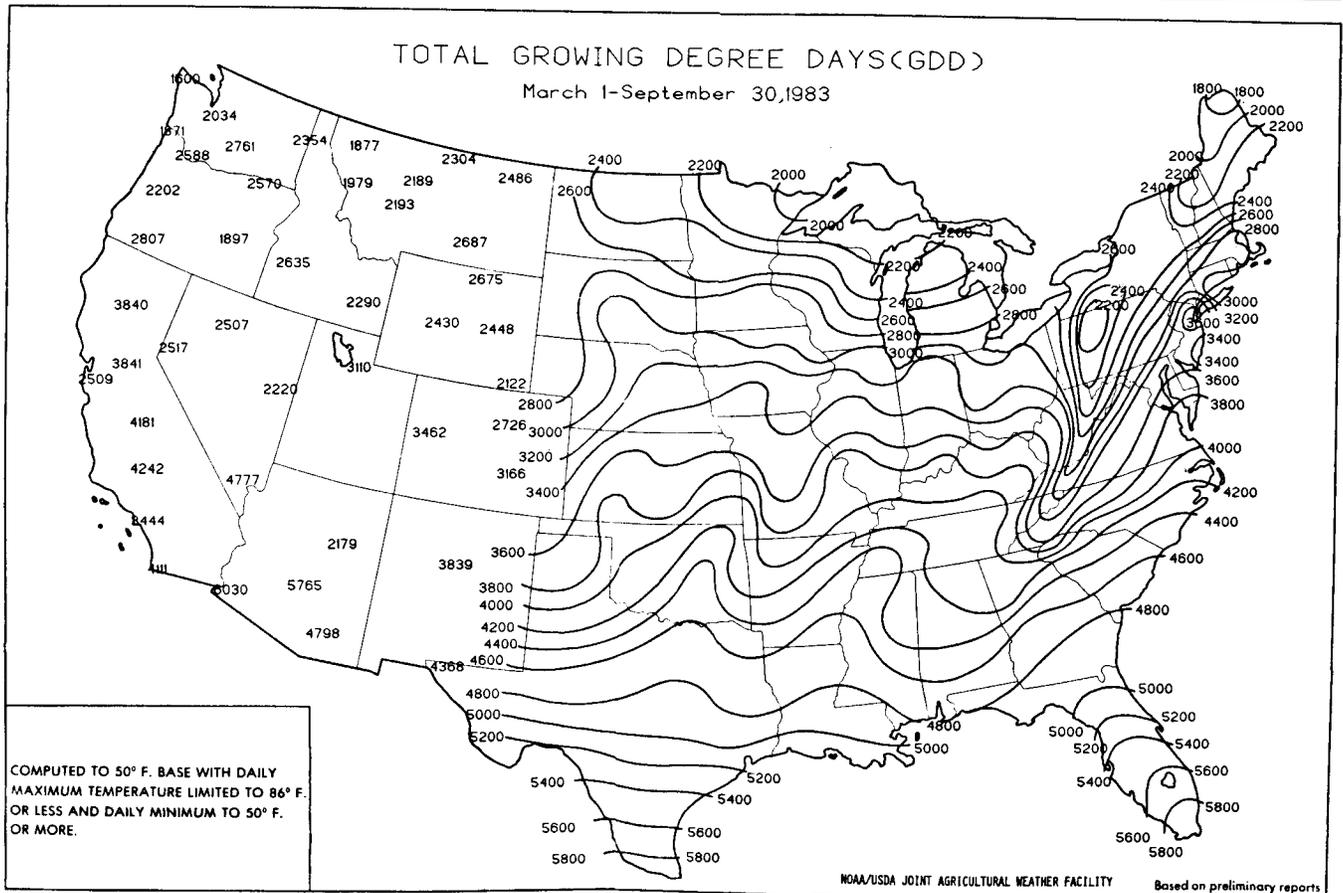
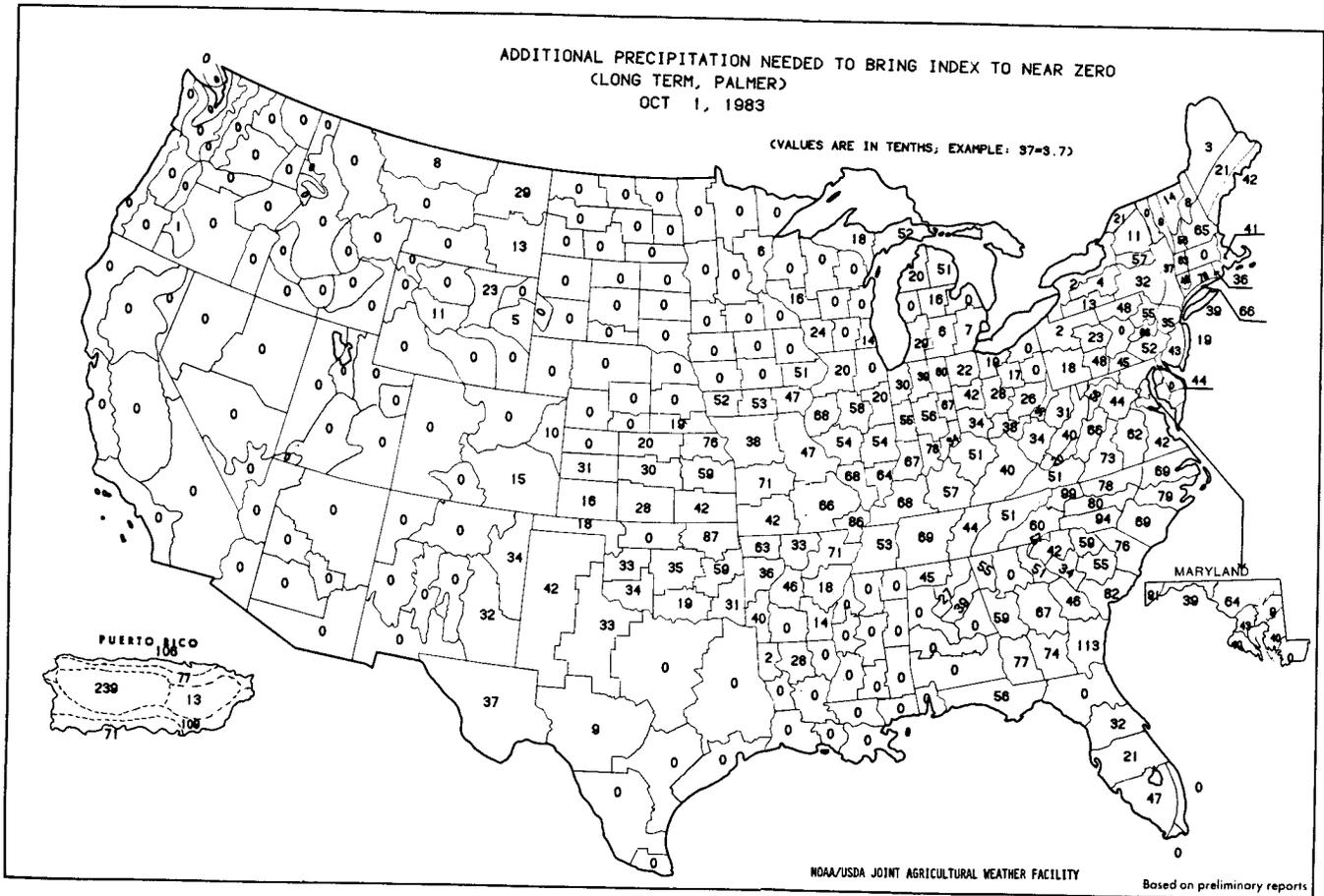
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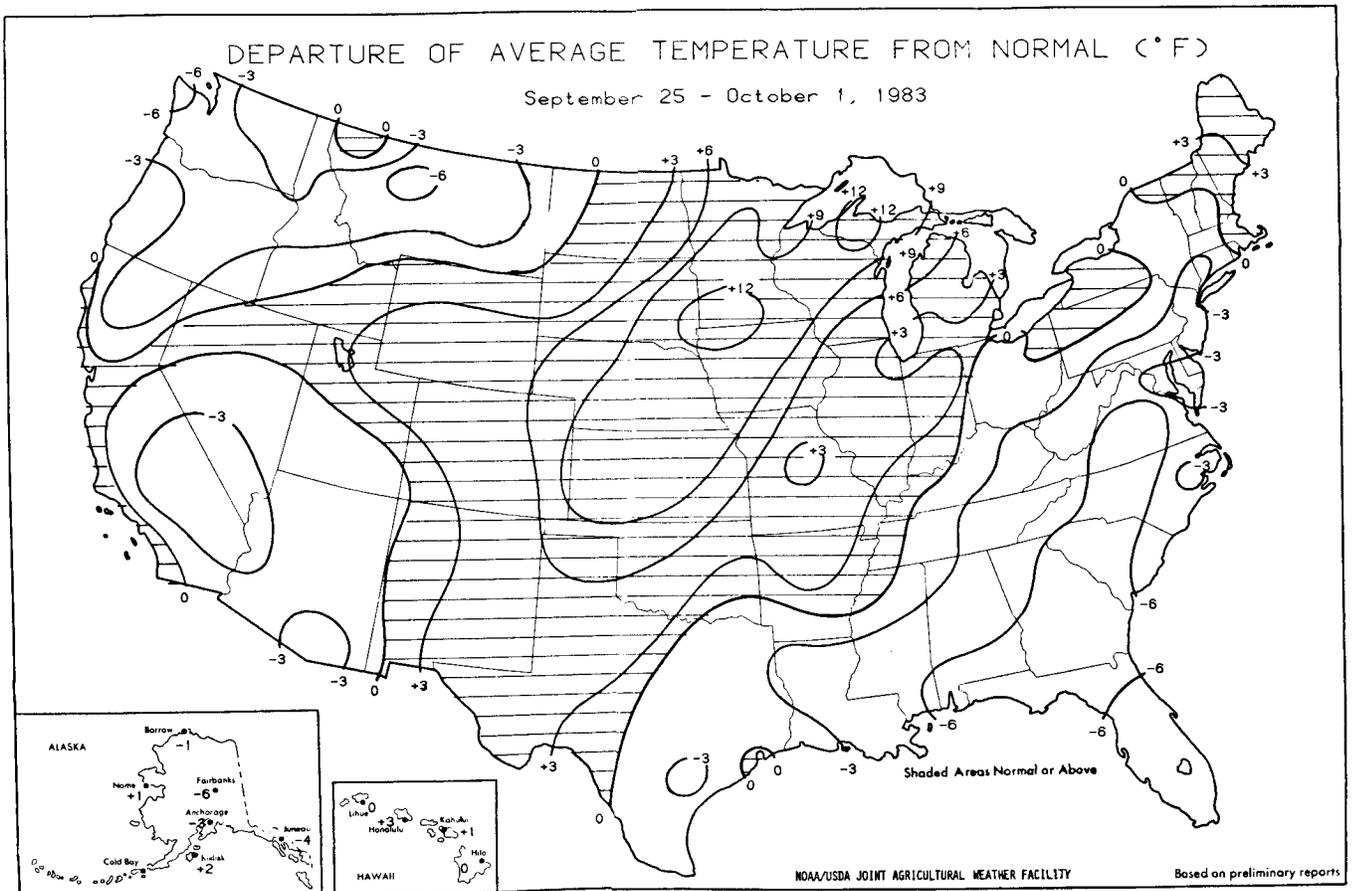
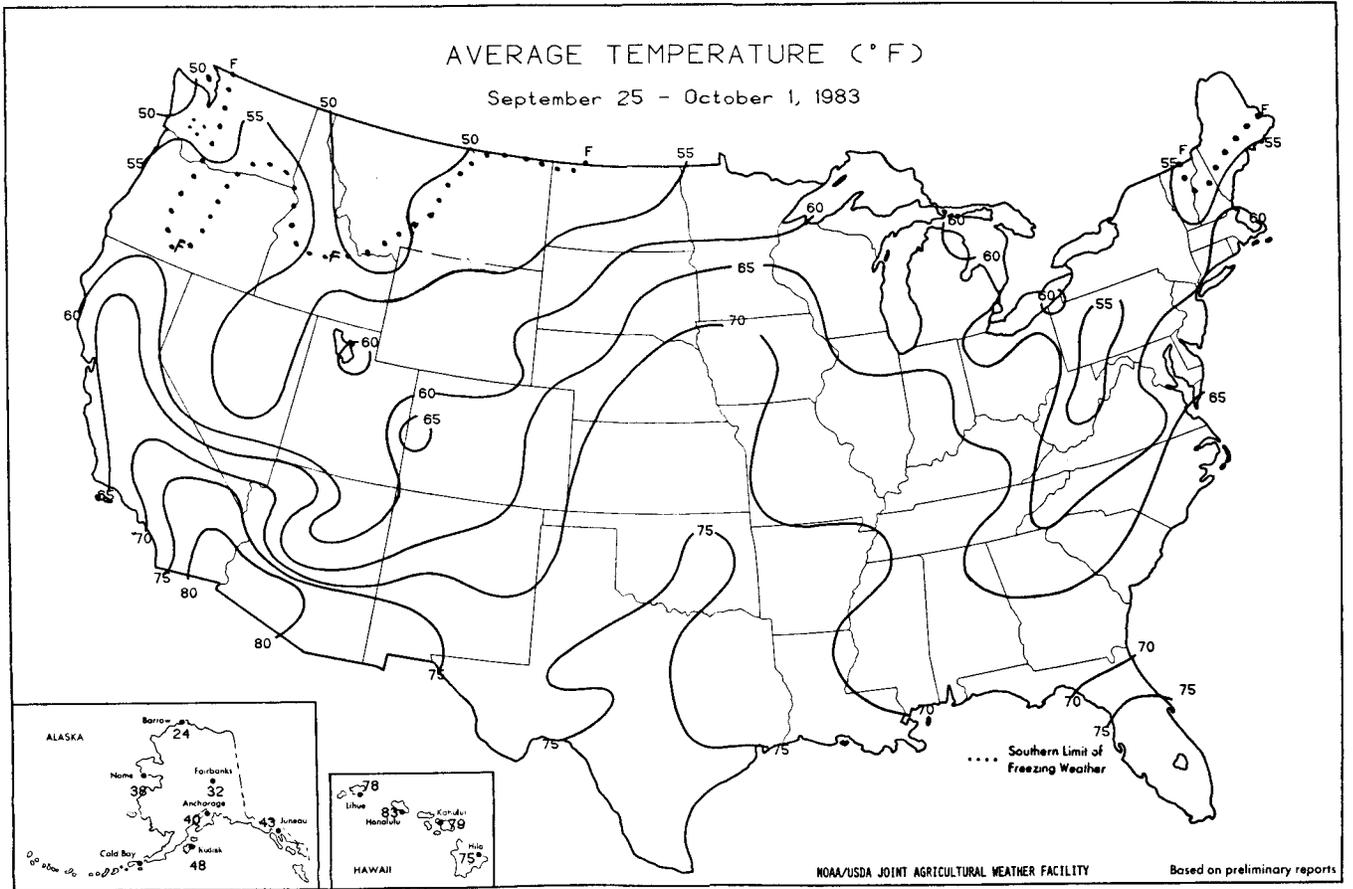
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Weather Data for the Week Ending Oct. 1, 1983

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 AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	79	51	82	48	65	-5	0	-.9	0	2.8	55	46.0	103	88	37	0	0	0	0
MOBILE	81	56	83	54	69	-6	0	-1.2	0	8.4	109	66.2	120	83	39	0	0	0	0
MONTGOMERY	83	53	86	48	68	-5	0	-1.0	0	6.8	126	57.2	143	88	34	0	0	0	0
AK ANCHORAGE	46	34	56	25	40	-3	.4	-.1	.3	2.3	85	9.0	80	72	47	0	3	3	0
BARROW	28	19	35	12	24	-1	.1	-.1	T	1.0	143	2.5	57	100	88	0	0	0	0
FAIRBANKS	41	23	60	10	32	-6	.2	0	.1	1.9	158	7.4	87	89	50	0	5	4	0
JUNEAU	48	38	52	27	43	-4	.5	-1.2	.4	6.0	80	34.6	92	97	67	0	1	3	0
KODIAK	55	42	63	28	48	2	1.0	-1.1	.5	3.2	36	53.6	111	87	58	0	1	4	0
NOME	44	32	50	18	38	1	1.5	1.0	.7	2.6	90	9.6	70	91	68	0	4	7	1
AZ PHOENIX	89	72	98	66	80	-1	2.4	2.2	1.7	3.2	457	11.3	205	78	42	4	0	3	2
PRESCOTT	70	51	79	49	61	-1	2.4	2.1	1.5	9.6	480	17.7	119	92	46	0	0	4	3
TUCSON	85	64	96	60	75	-3	4.7	4.4	2.9	7.4	435	17.7	186	83	43	3	0	4	2
YUMA	92	73	103	65	82	-1	.2	-.1	.2	.2	50	2.1	105	57	27	4	0	1	0
AR FORT SMITH	86	56	88	51	71	1	0	-.8	0	2.3	61	23.5	73	89	32	0	0	0	0
LITTLE ROCK	85	61	88	59	73	3	0	-.8	0	1.5	33	28.1	74	74	35	0	0	0	0
CA BAKERSFIELD	78	62	89	58	70	-4	.3	-.2	.2	.3	150	8.2	216	88	46	0	0	2	0
EUREKA	65	51	69	48	58	2	T	-.3	T	4.1	410	41.0	170	93	68	0	0	1	0
FRESNO	78	61	89	59	69	-2	1.0	-.9	.5	1.2	600	17.5	254	81	47	0	0	3	0
LOS ANGELES	74	63	76	60	68	0	2.4	2.4	1.2	2.4	800	25.2	288	80	54	0	0	4	2
RED BLUFF	80	57	87	55	68	-4	.4	-.3	.4	1.4	233	31.0	231	90	41	0	0	1	0
SACRAMENTO	79	59	87	53	69	0	.7	-.6	.7	.7	175	24.5	229	86	43	0	0	1	1
SAN DIEGO	75	69	78	67	72	2	.2	-.2	.1	.2	200	14.8	235	80	60	0	0	5	0
SAN FRANCISCO	70	57	73	53	63	0	.6	-.5	.6	.6	300	26.0	215	86	50	0	0	2	1
CO DENVER	78	50	84	46	64	5	T	-.3	T	.1	7	16.6	125	73	26	0	0	0	0
GRAND JUNCTION	77	55	86	49	66	3	.8	-.6	.3	1.2	133	10.8	174	75	32	0	0	5	0
PUEBLO	83	49	89	43	66	4	.1	-.1	T	.4	40	11.3	111	77	25	0	0	2	0
CT BRIDGEPORT	67	51	74	45	59	-3	1.2	.4	.6	2.9	74	41.6	135	88	53	0	0	3	1
HARTFORD	70	44	78	37	57	-2	1.2	-.3	1.0	3.4	72	29.3	87	84	42	0	0	2	1
DC WASHINGTON	73	55	81	47	64	-2	.6	-.1	.6	3.8	100	36.2	117	86	49	0	0	1	1
FL APALACHICOLA	80	59	81	56	69	-7	0	-1.6	0	7.3	73	49.7	105	83	44	0	0	0	0
DAYTONA BEACH	81	65	82	60	73	-4	.2	-1.3	.1	8.7	112	49.6	123	85	57	0	0	2	0
JACKSONVILLE	78	59	83	57	69	-7	1.6	-.2	.9	5.2	63	48.2	104	93	57	0	0	4	1
KEY WEST	84	76	86	75	80	-2	.1	-1.3	.1	2.8	37	45.4	145	80	61	0	0	1	0
MIAMI	84	70	86	68	77	-3	2.3	-.4	1.3	8.4	90	48.0	100	83	50	0	0	4	1
ORLANDO	86	66	89	64	76	-3	0	-1.1	0	6.3	98	45.0	104	91	46	0	0	0	0
TALLAHASSEE	81	52	86	46	67	-8	0	-1.2	0	4.7	62	53.1	97	94	41	0	0	0	0
TAMPA	84	66	85	63	75	-4	T	-1.1	T	7.2	97	52.0	123	90	51	0	0	1	0
WEST PALM BEACH	83	69	86	67	76	-4	.8	-1.5	.4	9.7	92	63.4	131	93	57	0	0	4	0
GA ATLANTA	74	55	77	50	64	-5	0	-.7	0	7.6	205	32.9	86	77	41	0	0	0	0
AUGUSTA	76	52	81	47	64	-7	0	-.7	0	5.5	131	40.6	113	87	40	0	0	0	0
MACON	79	52	83	47	66	-6	0	-.9	0	2.1	55	37.8	107	87	38	0	0	0	0
SAVANNAH	78	56	82	54	67	-6	0	-.7	0	3.5	57	44.9	100	84	42	0	0	0	0
HI HILO	80	70	82	68	75	0	3.1	1.5	.6	13.4	168	54.7	59	93	73	0	0	7	3
HONOLULU	89	76	90	73	83	3	.9	-.7	.7	1.2	171	3.3	22	80	48	2	0	3	1
KAHULUI	86	72	88	67	79	1	.1	0	T	.4	80	4.4	35	81	57	0	0	2	0
LIHUE	83	73	84	71	78	0	1.1	-.4	.8	1.6	59	11.0	37	79	62	0	0	5	1
ID BOISE	68	47	84	32	57	-2	.6	-.5	.6	.7	140	12.4	149	78	41	0	1	2	1
LEWISTON	71	43	84	33	57	-2	0	-.2	0	.9	113	10.4	114	69	26	0	0	0	0
POCATELLO	68	46	79	41	57	2	1.8	1.7	1.0	2.0	333	13.5	167	91	46	0	0	4	2
IL CHICAGO	76	50	81	46	63	2	T	-.7	T	5.5	141	35.7	127	94	42	0	0	1	0
MOLINE	77	52	83	49	65	4	.5	-.3	.5	5.5	128	26.1	83	95	49	0	0	1	1
PEORIA	77	55	84	52	66	5	.7	-.1	.7	5.3	123	31.0	103	90	46	0	0	1	1
QUINCY	78	56	84	52	67	4	T	-.9	T	4.0	82	21.2	66	87	44	0	0	1	0
ROCKFORD	75	50	81	42	62	3	.2	-.6	.2	3.8	86	25.1	79	98	53	0	0	1	0
SPRINGFIELD	80	55	87	52	68	4	.4	-.3	.4	1.4	39	20.7	74	93	34	0	0	1	0
IN EVANSVILLE	81	50	87	44	66	1	T	-.6	T	1.2	38	34.0	101	88	34	0	0	0	0
FORT WAYNE	78	50	82	44	64	3	T	-.6	T	1.4	44	20.2	71	93	39	0	0	1	0
INDIANAPOLIS	81	51	87	46	66	3	T	-.6	T	1.9	58	24.7	78	79	33	0	0	0	0
SOUTH BEND	75	51	81	48	63	3	.1	-.6	.1	2.9	76	23.0	76	89	44	0	0	1	0
IA DES MOINES	83	58	87	53	70	9	T	-.6	T	5.7	154	27.7	101	84	41	0	0	1	0
SIoux CITY	84	59	92	52	71	11	2.1	1.6	1.9	3.2	110	22.7	100	84	45	1	0	2	1
KS WATERLOO	80	55	85	50	67	10	0	-.7	0	3.7	90	27.6	95	96	46	0	0	0	0
CONCORDIA	86	59	91	50	73	9	.2	-.4	.2	1.7	49	19.3	80	87	34	1	0	1	0
DODGE CITY	88	63	92	59	76	11	0	-.4	0	2.8	127	20.4	110	71	33	3	0	0	0
GOODLAND	83	55	88	51	69	9	.2	-.1	.2	1.0	59	15.6	105	72	27	0	0	1	0
TOPEKA	87	59	90	52	73	9	0	-.8	0	2.6	62	26.7	93	86	37	1	0	0	0
WICHITA	84	61	88	53	72	6	T	-.8	T	2.8	67	30.3	123	85	44	0	0	0	0
KY BOWLING GREEN	79	48	83	42	63	-2	T	-.7	T	1.0	27	37.3	93	95	38	0	0	0	0
LEXINGTON	76	51	80	44	64	-1	0	-.6	0	1.5	39	27.4	72	85	37	0	0	0	0
LOUISVILLE	79	52	82	44	66	0	0	-.7	0	1.6	40	32.1	89	81	36	0	0	0	0
LA ALEXANDRIA	84	56	85	52	70	-4	0	-.7	0	4.0	133	41.2	100	92	40	0	0	0	0
BATON ROUGE	83	59	86	56	71	-3	0	-.9	0	4.3	83	61.8	136	94	42	0	0	0	0
LAKE CHARLES	85	62	88	58	74	-1	0	-1.1	0	8.7	143	48.4	113	92	42	0	0	0	0
NEW ORLEANS	81	59	83	56	70	-5	0	-1.1	0	5.9	87	64.3	131	90	45	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending Oct. 1, 1983

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 AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1		PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIPITATION
													.01 INCH OR MORE						.50 INCH OR MORE
ME SHREVEPORT	85	56	86	52	71	-3	0	- .7	0	3.0	81	36.8	107	95	37	0	0	0	0
ME CARIBOU	67	41	78	30	54	5	T	- .8	T	3.1	76	31.2	112	92	47	0	2	1	0
ME PORTLAND	68	41	74	38	55	0	T	- .8	T	2.3	59	40.7	133	94	44	0	0	1	0
MD BALTIMORE	71	50	80	40	61	-4	.5	- .2	.5	1.9	45	35.8	108	89	47	0	0	2	1
MD SALISBURY	73	53	77	43	63	-1	.7	- .1	.6	6.2	132	38.6	106	99	61	0	0	3	1
MA BOSTON	69	54	81	51	61	1	.3	- .4	.3	2.5	63	36.1	113	86	50	0	0	1	0
MA CHATHAM	66	55	74	50	60	2	-1	- .7	-1	1.9	43	41.6	120	85	65	0	0	1	0
MI ALPENA	70	46	80	38	58	5	.3	- .3	.3	3.3	92	25.9	109	100	65	0	0	1	0
MI DETROIT	73	47	77	39	60	1	T	- .5	T	3.1	115	26.9	108	92	52	0	0	0	0
MI FLINT	73	49	77	45	61	4	T	- .5	T	4.3	154	24.5	101	91	51	0	0	0	0
MI GRAND RAPIDS	71	48	77	45	60	2	-1	- .6	-1	4.8	133	28.6	106	96	56	0	0	2	0
MI HOUGHTON LAKE	70	49	77	42	60	6	.3	- .3	.3	4.8	145	22.6	102	98	62	0	0	1	0
MI LANSING	72	48	77	45	60	3	T	- .5	T	4.2	145	26.5	110	98	56	0	0	0	0
MI MARQUETTE	75	50	79	42	63	12	-1	- .8	-1	6.0	133	31.8	109	98	52	0	0	1	0
MI MUSKOGON	70	50	77	47	60	3	.6	- .1	.6	7.0	206	23.6	96	98	63	0	0	1	1
MI SAULT STE. MARIE	70	50	80	43	60	9	T	- .8	T	3.8	84	24.7	96	100	67	0	0	0	0
MN ALEXANDRIA	76	51	86	43	63	10	.4	- .1	.2	2.8	97	17.7	82	96	50	0	0	4	0
MN DULUTH	66	50	74	41	58	7	1.7	1.1	1.1	5.9	151	22.5	89	98	66	0	0	4	1
MN INT'L FALLS	68	45	79	39	57	8	1.1	- .5	.6	5.6	156	20.3	95	97	64	0	0	2	2
MN MINNEAPOLIS	79	57	85	46	68	11	-2	- .3	-2	3.9	134	29.8	131	91	52	0	0	2	0
MN ROCHESTER	78	56	81	49	67	12	0	- .6	0	5.5	153	27.4	111	89	48	0	0	0	0
MS GREENWOOD	84	56	87	51	70	-1	0	- .7	0	1.3	34	45.6	111	88	36	0	0	0	0
MS JACKSON	84	53	86	50	68	-4	0	- .8	0	2.7	66	56.8	137	100	36	0	0	0	0
MS MERIDIAN	81	52	83	51	67	-5	0	- .7	0	4.3	105	54.3	130	99	42	0	0	0	0
MO CAPE GIRARDEAU	80	54	87	47	67	-1	.2	- .5	.2	.9	20	28.8	80	98	44	0	0	1	0
MO COLUMBIA	78	55	82	53	67	2	.2	- .7	.2	4.3	100	28.7	97	97	49	0	0	1	0
MO KANSAS CITY	84	60	88	52	72	8	T	- .9	T	2.0	42	23.5	77	85	41	0	0	0	0
MO SAINT LOUIS	80	57	85	52	69	3	.4	- .3	.4	1.3	41	27.9	101	99	39	0	0	1	0
MO SPRINGFIELD	81	57	86	54	69	4	.5	- .5	.5	4.1	84	30.9	97	85	47	0	0	1	0
MT BILLINGS	60	44	85	38	52	-3	.9	- .6	.4	2.2	147	9.7	78	84	56	1	0	4	0
MT GLASGOW	61	40	89	34	51	-2	.3	- .2	.2	1.0	100	6.9	66	80	36	0	0	3	0
MT GREAT FALLS	58	38	82	27	48	-6	.4	- .2	.3	2.0	154	13.3	102	80	46	0	2	3	0
MT HAVRE	60	37	88	29	49	-4	-1	0	-1	.6	67	11.2	109	82	38	0	2	2	0
MT HELENA	59	37	80	29	48	-4	.4	- .2	.3	1.6	145	12.7	131	84	45	0	1	3	0
MT KALISPELL	63	35	76	25	49	0	T	- .2	T	1.4	93	14.1	110	82	35	0	2	0	0
MT MILES CITY	63	43	88	36	53	-3	.4	- .1	.2	1.4	100	7.3	59	87	50	0	0	3	0
MT MISSOULA	60	36	76	29	48	-4	-1	- .1	-1	1.4	127	13.3	133	92	42	0	1	1	0
NE GRAND ISLAND	84	58	91	49	71	11	2.0	1.5	1.1	2.6	93	23.2	109	82	38	2	0	2	2
NE LINCOLN	85	59	91	49	72	11	1.6	1.0	.9	2.6	76	23.3	97	91	43	1	0	2	2
NE NORFOLK	83	56	92	45	70	11	1.1	- .7	.6	1.6	64	22.9	105	83	38	2	0	2	2
NE NORTH PLATTE	82	53	90	44	67	10	T	- .3	T	.1	5	16.5	93	76	31	2	0	2	0
NE OMAHA	82	60	87	54	71	11	.9	- .3	.8	2.9	74	24.5	91	86	48	0	0	2	1
NE SCOTTSBLUFF	80	48	89	47	64	7	T	- .2	T	.4	31	12.6	96	72	26	0	0	0	0
NE VALENTINE	79	48	93	41	64	7	.1	- .2	.1	1.3	72	21.9	131	78	34	3	0	1	0
NV ELY	62	39	75	36	51	-2	1.0	.8	.3	1.0	111	12.1	170	94	50	0	0	6	0
NV LAS VEGAS	79	62	86	58	70	-5	- .6	- .6	- .3	.6	150	4.4	126	76	35	0	0	4	0
NV RENO	70	44	82	42	57	0	- .6	- .6	.2	.9	300	8.3	166	91	44	0	0	5	0
NV WINNEMUCCA	67	44	82	36	55	0	- .7	- .6	.3	.8	200	8.3	138	92	43	0	0	6	0
NH CONCORD	69	38	77	33	54	-1	.8	- .1	.8	2.7	73	32.8	120	97	42	0	0	1	1
NJ ATLANTIC CITY	70	49	77	39	60	-3	1.5	.9	1.0	4.5	125	33.4	100	96	60	0	0	3	1
NM ALBUQUERQUE	76	54	86	49	65	0	.8	- .6	.5	1.4	140	6.2	93	96	43	0	0	4	0
NM CLOVIS	83	57	86	54	70	5	.8	- .4	.5	1.2	55	8.0	52	80	36	0	0	2	1
NM ROSWELL	82	61	87	59	72	3	.5	- .2	.5	.8	42	5.0	57	68	39	0	0	2	1
NY ALBANY	68	43	72	34	56	-2	.1	- .6	.1	2.5	68	34.3	128	97	54	0	0	1	0
NY BINGHAMTON	70	46	73	37	58	2	T	- .7	T	2.3	61	30.6	108	85	42	0	0	1	0
NY BUFFALO	70	48	74	40	59	1	T	- .7	T	2.3	59	22.4	78	89	48	0	0	1	0
NY NEW YORK	69	56	80	52	62	-2	2.1	1.4	1.8	4.1	103	42.2	128	85	51	0	0	2	1
NY ROCHESTER	71	48	77	41	59	1	T	- .5	T	2.7	84	22.7	92	97	54	0	0	1	0
NY SYRACUSE	69	46	71	37	57	-1	T	- .7	T	3.4	89	24.5	81	99	57	0	0	1	0
NC ASHEVILLE	73	45	77	36	59	-4	T	- .8	T	6.0	133	35.6	93	95	34	0	0	0	0
NC CHARLOTTE	73	51	80	43	62	-6	T	- .7	T	.8	19	27.6	80	92	39	0	0	1	0
NC GREENSBORO	70	48	78	37	59	-7	.7	- .1	.7	2.7	63	32.5	94	83	40	0	0	1	1
NC HATTERAS	72	64	75	62	68	-3	T	- 1.2	T	6.2	93	45.0	105	82	63	0	0	0	0
NC NEW BERN	78	59	84	54	68	-2	T	- 1.1	T	1.8	27	40.6	92	86	49	0	0	1	0
NC RALFICH	70	49	77	41	60	-7	.7	0	.7	2.2	56	33.2	98	91	47	0	0	1	1
NC WILMINGTON	76	55	80	49	66	-5	T	- 1.1	T	5.6	82	47.5	105	87	56	0	0	0	0
ND BISMARCK	67	42	87	37	55	-2	.3	0	.2	1.1	73	11.3	80	79	39	0	0	2	0
ND FARGO	69	44	88	37	57	3	.7	.3	.4	3.8	173	16.6	94	86	49	0	0	3	0
ND GRAND FORKS	68	43	87	38	55	3	1.1	.7	.6	3.9	163	18.8	118	90	46	0	0	2	1
ND WILLISTON	63	38	92	34	51	-2	.3	0	.1	.6	35	7.8	63	81	39	1	0	3	0
OH AKRON-CANTON	71	50	75	42	61	1	T	- .6	T	3.6	106	27.8	84	87	47	0	0	1	0
OH CINCINNATI	74	49	78	40	62	-1	T	- .6	T	2.1	64	26.9	82	91	45	0	0	1	0
OH CLEVELAND	70	48	73	40	59	-1	T	- .6	T	4.0	121	27.4	95	92	54	0	0	1	0
OH COLUMBUS	74	47	79	37	61	-1	T	- .5	T	3.2	100	25.7	83	86	38	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

National Weather Summary (continued from front cover)

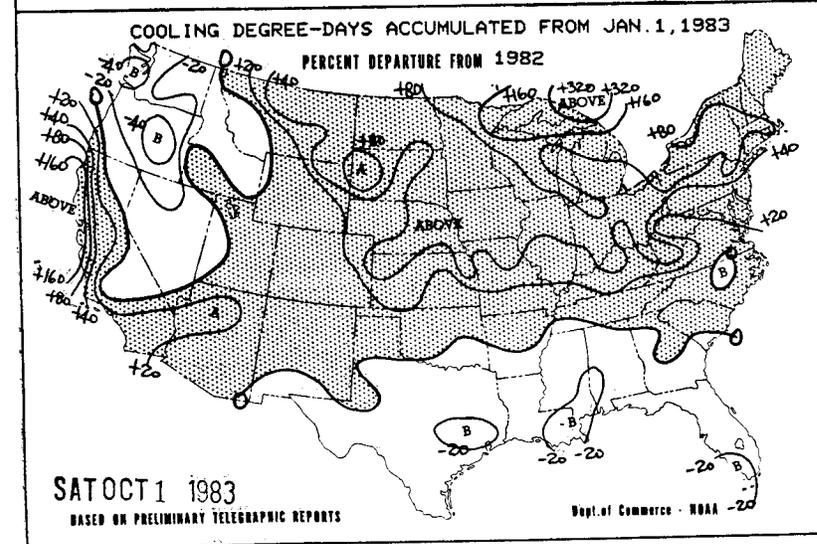
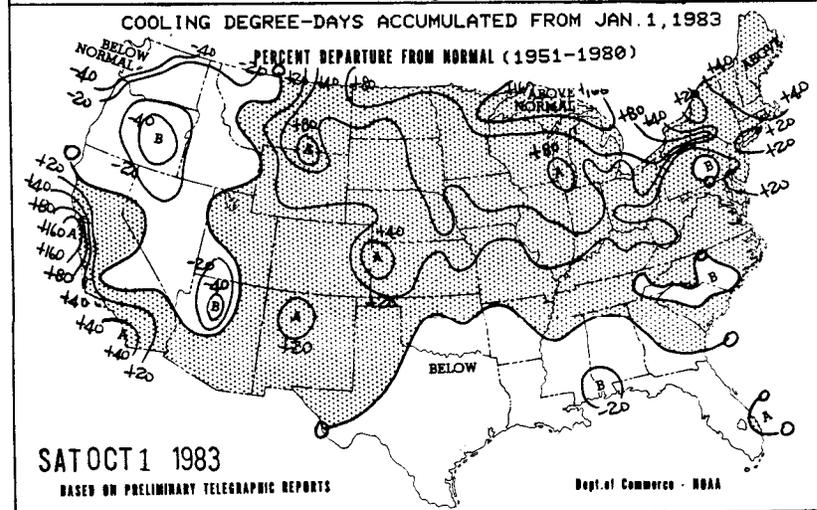
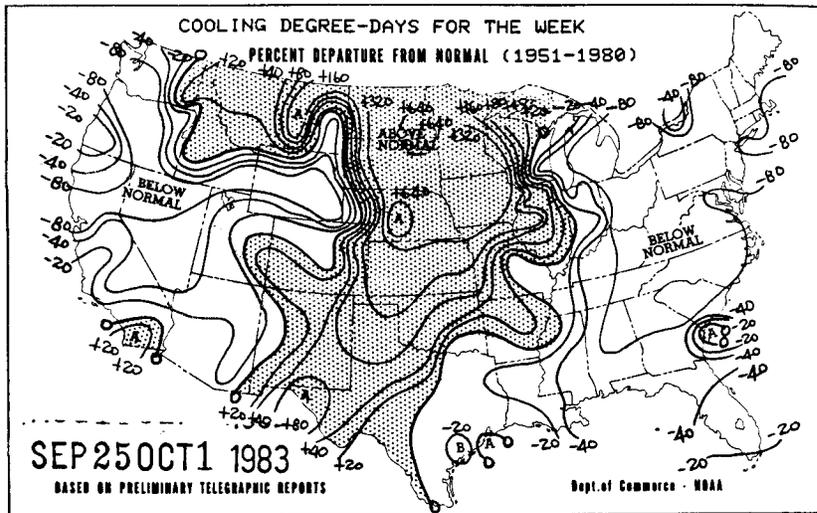
FRIDAY...Unusual moderate to heavy showers and thunderstorms continued in the Southwest, the Plateau, and the Rockies. Heavy showers fell along the southwestern coast of California and reached into the San Joaquin Valley. Tropical Storm Dean moved onto the Virginia coast and weakened, but continued to spread rain through the southern and central Appalachians and along the coast from Virginia to southern New England.

SATURDAY...Widespread showers and thunderstorms continued in the Southwest. Heavy showers from central Arizona to southwestern New Mexico caused severe flooding in normally dry areas. Showers reached over the Plateau to the northern Plains. The remnants of Tropical Storm Dean moved up the east coast and spread rain from New Jersey through New England. Cool weather continued over most of the East, across the northern tier of States and west of the Rockies. Freezing temperatures were reported in western Montana.

Weather Data for the Week Ending Oct. 1, 1983

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 AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE °F		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	73	48	78	42	60	-2	0	-	0	1.3	45	25.5	88	91	45	0	0	0	0
TOLEDO	73	46	78	35	59	0	T	-	T	1.9	61	22.5	88	98	51	0	0	0	0
YOUNGSTOWN	71	46	75	39	58	0	T	-	T	5.1	146	27.2	190	92	43	0	0	1	0
OK OKLAHOMA CITY	85	61	89	58	73	4	T	-	T	9	23	23.4	88	80	38	0	0	0	0
TULSA	86	63	90	59	75	5	T	-	T	2.3	46	22.7	72	79	40	1	0	0	0
OR ASTORIA	64	40	70	33	52	-5	T	-	T	2.9	83	50.9	125	95	55	0	0	0	0
BURNS	66	33	80	20	49	-6	T	-	T	.1	17	11.5	147	--	--	0	2	1	0
MEDFORD	73	45	85	37	59	-2	0	-	0	3.1	344	17.3	143	95	39	0	0	0	0
PENDLETON	68	41	85	32	55	-5	0	-	0	.4	80	9.0	117	69	25	0	1	0	0
PORTLAND	69	44	74	37	57	-3	T	-	T	2.6	144	31.4	137	89	38	0	0	1	0
SALEM	73	40	78	33	56	-2	.1	-	T	2.4	133	37.5	154	86	31	0	0	2	0
PA ALLENTOWN	70	47	81	38	59	-2	.1	-	.1	1.6	33	33.7	99	89	47	0	0	2	0
ERIE	71	51	73	45	61	3	T	-	T	5.4	123	32.0	107	87	55	0	0	1	0
HARRISBURG	69	46	77	38	57	-5	T	-	T	1.3	32	31.3	104	86	44	0	0	0	0
PHILADELPHIA	70	51	78	43	60	-3	.6	-	.5	5.0	122	37.4	116	88	48	0	0	2	1
PITTSBURGH	71	46	74	36	59	-1	.1	-	.1	3.4	100	28.8	96	86	42	0	0	1	0
SCRANTON	69	46	74	37	58	-1	.2	-	.2	2.7	69	30.6	111	90	52	0	0	1	0
RI PROVIDENCE	71	50	80	45	60	1	.5	-	.3	2.4	59	43.8	132	80	39	0	0	2	0
SC CHARLESTON	76	59	82	55	67	-5	0	-	0	3.9	66	44.5	99	83	50	0	0	0	0
COLUMBIA	76	51	82	44	64	-7	T	-	T	3.4	68	33.1	82	90	38	0	0	0	0
FLORENCE	76	54	80	48	65	-6	0	-	0	2.4	52	39.4	109	91	48	0	0	0	0
SD GREENVILLE	71	50	77	44	61	-7	.1	-	.1	3.7	74	37.5	92	86	40	0	0	1	0
ABERDEEN	75	47	93	39	61	6	.7	-	.6	1.5	94	19.8	125	91	45	1	0	2	1
HURON	79	51	91	43	65	9	.4	-	.2	2.6	153	14.9	91	92	45	1	0	5	0
RAPID CITY	71	47	91	34	59	2	.2	0	.2	.4	31	12.2	82	77	42	2	0	2	0
SIoux FALLS	83	55	88	43	69	12	.4	-	.4	3.4	100	22.5	101	97	47	0	0	1	0
TN CHATTANOOGA	78	50	82	42	64	-4	0	-	0	1.6	33	32.0	77	88	30	0	0	0	0
KNOXVILLE	78	48	82	40	63	-4	0	-	0	1.4	40	29.2	78	95	37	0	0	0	0
MEMPHIS	83	59	86	53	71	1	.1	-	.1	1.6	38	36.6	88	85	34	0	0	1	0
TX NASHVILLE	81	50	85	45	66	-2	0	-	0	.8	T	7	16	34.2	88	85	29	0	0
ABILENE	85	64	88	59	75	3	T	-	0	.9	25	13.6	69	78	38	0	0	0	0
AMARILLO	84	59	87	55	72	6	0	-	0	.4	18	10.9	63	75	35	0	0	0	0
AUSTIN	85	64	86	59	75	-1	0	-	0	2.9	69	78.3	109	89	43	0	0	0	0
BEAUMONT	84	65	85	61	74	-2	0	-	0	10.4	149	63.9	151	99	52	0	0	0	0
BROWNSVILLE	87	71	88	68	79	0	2.0	.8	1.5	9.1	152	24.8	120	92	59	0	0	2	1
CORPUS CHRISTI	85	70	87	67	78	-1	.1	-	.1	7.3	103	31.0	120	94	60	0	0	2	0
DEL RIO	85	70	88	66	78	1	0	-	0	.6	19	6.9	46	84	44	0	0	0	0
EL PASO	87	62	93	60	75	4	1.0	-.7	1.0	1.4	88	6.0	90	84	35	3	0	2	1
FORT WORTH	87	61	89	58	74	-1	0	-	0	.2	5	24.2	98	83	36	0	0	0	0
GALVESTON	83	73	85	70	78	0	0	-	0	11.7	180	46.3	142	82	57	0	0	0	0
HOUSTON	84	62	86	58	73	-2	0	-	0	7.3	126	44.8	123	97	49	0	0	0	0
LUBBOCK	85	60	87	56	73	5	T	-	T	.4	17	8.6	54	85	42	0	0	1	0
MIDLAND	86	64	89	56	75	4	.2	-	.2	.6	25	3.6	30	78	38	0	0	1	0
SAN ANGELO	85	63	90	55	74	1	T	-	T	0	0	10.0	64	81	39	1	0	0	0
SAN ANTONIO	84	65	86	58	75	-2	0	-	0	3.9	91	21.2	90	87	44	0	0	0	0
VICTORIA	84	65	88	61	75	-3	.6	-	.6	4.9	69	32.0	104	100	60	0	0	1	1
WACO	87	61	89	54	74	-1	0	-	0	.6	17	19.2	75	91	38	0	0	0	0
WICHITA FALLS	89	63	92	58	76	4	0	-	0	0	0	15.7	69	77	31	4	0	0	0
UT BLANDING	67	47	78	45	57	-2	2.6	2.3	1.2	3.9	355	13.3	168	95	58	0	0	6	1
CEDAR CITY	70	46	78	43	58	-1	.8	-.6	.4	.8	80	11.7	143	83	34	0	0	5	0
SALT LAKE CITY	73	55	83	53	64	3	1.0	.8	.4	1.6	160	16.7	145	86	39	0	0	6	0
VT BURLINGTON	69	43	77	38	56	2	T	-	T	4.0	105	34.0	128	85	46	0	0	0	0
VA NORFOLK	71	58	74	51	65	-3	.5	-.4	.4	6.2	122	35.0	95	85	58	0	0	2	0
RICHMOND	69	48	75	39	58	-7	1.3	-.5	1.1	3.1	74	29.4	85	100	63	0	0	2	1
ROANOKE	70	46	76	35	58	-6	.5	-.3	.4	1.7	44	30.7	98	97	43	0	0	2	0
WA COLVILLE	66	34	79	24	50	-3	0	-	0	.9	82	19.3	157	70	28	0	3	0	0
QUILLAYUTE	62	36	68	30	49	-6	.2	-	.2	7.5	125	77.7	122	94	42	0	2	1	0
SEATTLE-TACOMA	63	46	70	39	54	-3	.1	-	.1	3.7	161	26.9	115	85	47	0	0	2	0
SPOKANE	68	39	83	29	54	-3	T	-	T	.8	89	14.1	119	70	23	0	2	0	0
WYAKIMA	71	36	82	29	54	-3	T	-	T	.7	140	8.1	165	74	23	0	3	0	0
WV BECKLEY	67	43	76	37	55	-4	.8	-.1	.7	1.9	49	26.1	76	94	48	0	0	7	1
CHARLESTON	75	46	82	36	61	-3	.1	-.6	.1	1.4	38	28.1	82	93	41	0	0	1	0
HUNTINGTON	75	48	82	35	61	-3	T	-	T	.8	22	25.4	76	93	38	0	0	0	0
PARKERSBURG	74	48	82	39	61	-1	.1	-.5	.1	4.5	136	30.3	88	99	40	0	0	2	0
WI GREEN BAY	73	53	78	50	63	8	0	-	0	3.9	103	24.4	104	95	61	0	0	0	0
LA CROSSE	79	56	82	53	67	10	0	-	0	4.4	107	22.1	82	100	57	0	0	0	0
MADISON	74	48	79	45	61	5	.2	-.4	.2	3.1	89	23.5	90	99	59	0	0	1	0
MILWAUKEE	72	49	79	46	61	3	T	-	.3	2.7	82	27.9	112	97	58	0	0	1	0
WY WAUSAU	75	54	78	47	64	11	.3	-.8	T	6.2	135	23.0	82	96	54	0	0	0	0
CASPER	75	43	84	37	59	5	.4	-.2	.3	.4	50	14.0	82	96	32	0	0	3	0
CHEYENNE	73	45	80	43	59	5	0	-	0	.7	58	17.4	145	83	33	0	0	0	0
LANDER	71	45	80	42	58	4	.1	-.2	.1	.6	55	11.2	104	71	34	0	0	2	0
CHLOROKA	67	44	91	40	55	2	.5	-.3	.4	.9	64	5.9	46	84	48	1	0	3	0
TX SAN JUAN	42	78	74	76	85	2	.7	-	.7	1.3	T	2.6	37	88	61	0	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



National Agricultural Summary

September 26 to October 2

HIGHLIGHTS: Rainfall aided germination of winter wheat from Nebraska northward, but dryness continued to delay seeding operations in parts of the central and southern Plains. Generally open weather allowed rapid harvesting of most crops in the eastern half of the Nation. Farmers in this region had 5 to 7 days suitable for fieldwork. Growers in the West had 3 to 6 days available. Soil moisture was short to adequate, except in the area extending from Tennessee northeastward into West Virginia, and across Western Texas where very short supplies were reported. Winter wheat seeding reached 48% completion; 21% of the acreage had emerged. Corn development and harvest surpassed the average; 94% was mature and 24% was combined. Soybean harvesting gained momentum; plants dropped leaves on 72% of the acreage and 20% of the acreage had been harvested. Cotton harvesting trailed the average; bolls were open on 69% of the acreage, but only 12% was picked. Sorghum was 77% mature and 41% harvested. Rice harvesting advanced to 59% completion. Tobacco cutting and marketing continued active. Apple picking was in full swing in northern producing areas. Fall vegetable harvesting continued active in northern areas. Pastures and ranges were in mostly fair to poor condition. Livestock condition was rated good; most producers continued supplemental feeding. Movement from summer grazing increased.

SMALL GRAINS: The 1984 winter wheat crop was 48% seeded in the 15 major producing States, behind last year's 51% and the 55% average. Kansas growers seeded 45% of the 1984 acreage, 20 points behind normal. Seeding in Oklahoma reached 50%, equaling the average. In Texas, 31% of the land was seeded, 15 points behind average. Heavy rains benefited newly seeded fields from Nebraska northeastward into Minnesota. In parts of Kansas and across the southern Plains, growers delayed seeding hoping to receive rain. The crop had emerged on 21% of the acreage, 6 percentage points behind normal. Emerged stands were rated mostly fair to good. Texas producers continued dusting in wheat, moisture is needed to establish stands.

CORN: In the 17 major producing States, 94% of the corn was mature and 24% had been harvested. A year earlier, 78% was mature and 10% had been harvested. Harvesting was underway in all major States. Progress ranged from 4% complete in Colorado to 86% finished in Georgia. Crop maturity was equal to or ahead of normal in all major producing States except Kentucky, Pennsylvania, and Wisconsin. Harvesting progress lagged the average by 1 percentage point in Colorado, and 2 points in Kentucky and North Carolina, but elsewhere progress was equal to or ahead of schedule. Iowa producers were 23 points ahead of the average and Missouri farmers were 22 points ahead.

SOYBEANS: In the 18 major producing States, 72% of the average was dropping leaves and 20% had been harvested. A year ago, 65% was shedding leaves and 14% had been combined. Harvesting trailed the average in Alabama, Georgia, Kentucky, Louisiana, and Mississippi. Progress ranged from 1 percent harvested in Georgia and North Carolina to 40% complete in Illinois and Indiana. Harvest had not begun in South Carolina. Cooler than normal temperatures continued to slow crop development in the Southeast.

COTTON: Cotton continued in fair to poor condition. In the 14 major producing States,

bolls were opening on 69% of the acreage, ahead of the 67% for both last year and the average. Harvesting was active in all States except California, New Mexico, and Oklahoma.

Progress ranged from 2% complete in Arizona to 52% finished in Missouri. In the 14 major States, 12% had been picked, behind the 16% average for this date. Cool temperatures slowed maturity in Texas. Dryland fields continued to show the effects of the prolonged hot, dry conditions. Rain delayed defoliation in Arizona and reduced the effectiveness of recently applied defoliants.

OTHER CROPS: In the 7 major producing States, 77% of the sorghum was mature, 8 points ahead of normal. Harvesting was 41% finished, 1 point ahead of the average. Harvesting was active in all States. Progress ranged from 14% finished in Colorado to 65% complete in Texas. Coloring was well advanced in all States. Cool temperatures slowed maturation in Texas. Losses are expected from the previous freeze on the northern High Plains.

In the 5 major producing States, rice harvesting reached 59% completion, 4 points behind normal. Arkansas producers combined 57% of their acreage and Louisiana farmers harvested 86%. California harvesting was 7% complete, compared with the 16% average.

Tobacco cutting and marketing continued in full swing. In Kentucky, 90% of the burley was cut; the crop was drying out before curing in some areas.

Peanut digging increased with open weather. Harvesting was 4% complete in North Carolina, 12% in Virginia, 13% in Texas, and 60% finished in Alabama and Georgia.

VEGETABLES: Fall vegetable harvesting continued active in northern areas. Broccoli, cauliflower, peas, beans, and spinach were harvested. Maine potato harvesting was in full swing. Producers dug 70% of the crop. In Idaho, potatoes were 25% dug, equaling the average for this date. Florida growers actively seeded and transplanted vegetables. Harvesting of sweet corn, squash, and pole beans increased while just beginning for cucumbers and radishes. In California, farmers harvested moderate supplies of broccoli, carrots, cauliflower, celery, and green peppers. Rain delays increased mold problems in the remaining processing tomatoes.

FRUITS AND NUTS: Fall apple picking was in full swing. Florida citrus groves continued in excellent condition. Growers began irrigating in some areas. White grapefruit picking increased. Early orange harvesting continued in the Rio Grande Valley of Texas. Size and quality were good. Pecans were filling well in south Texas and harvesting of early varieties is expected soon. Lemon harvesting increased in Yuma County, Arizona. Citrus groves continued in good condition. California producers picked a wide variety of fruit. The raisin harvest was virtually complete. Desert area lemon maturity is ahead of normal.

PASTURES AND LIVESTOCK: Pastures continued to green because of previous rains in many areas. However, cooler than normal temperatures slowed growth in the Southeast. The pasture condition was rated fair to poor in most areas. Supplemental feeding continued to be necessary in nearly all regions. Movement from summer grazing increased.

CROP PROGRESS

FOR WEEK ENDING OCT 2, 1983

	CORN % MATURE		
	1983	1982	AVG.
COLO	78	45	53
GA	100	100	100
ILL	98	100	98
IND	95	95	85
IOWA	100	73	91
KANS	95	75	85
KY	85	97	95
MICH	85	85	74
MINN	95	71	79
MO	95	78	72
NEBR	96	30	70
N C	100	100	99
OHIO	95	95	80
PA	48	44	49
S DAK	97	84	95
VA	96	94	96
WIS	91	72	92
17 STATES	94	78	85

THESE 17 STATES PRODUCED 93% OF THE 1982 CORN CROP.

	CORN % HARVESTED		
	1983	1982	AVG.
COLO	4	2	5
GA	86	93	86
ILL	23	13	16
IND	15	10	10
IOWA	35	4	12
KANS	35	20	35
KY	27	29	29
MICH	5	2	4
MINN	16	1	4
MO	54	24	32
NEBR	20	1	7
N C	70	76	72
OHIO	15	15	10
PA	5	1	4
S DAK	16	2	9
VA	47	40	45
WIS	8	1	3
17 STATES	24	10	14

THESE 17 STATES PRODUCED 93% OF THE 1982 CORN CROP.

	SOYBEANS % DROPPING LEAVES		
	1983	1982	AVG.
ALA	36	42	48
ARK	31	30	33
GA	32	49	41
ILL	96	90	89
IND	98	95	85
IOWA	97	67	88
KANS	80	45	65
KY	54	47	44
LA	42	51	47
MICH	95	95	90
MINN	99	96	97
MISS	57	79	72
MO	71	50	55
NEBR	98	45	80
N C	12	17	6
OHIO	95	95	85
S C	17	20	24
TENN	43	43	35
18 STATES	72	65	67

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

	SOYBEANS % HARVESTED		
	1983	1982	AVG.
ALA	5	10	8
ARK	3	3	3
GA	1	3	3
ILL	40	41	39
IND	40	30	15
IOWA	30	6	26
KANS	15	5	10
KY	6	7	8
LA	5	16	13
MICH	10	5	4
MINN	20	8	18
MISS	5	10	10
MO	22	6	13
NEBR	30	2	20
N C	1	1	0
OHIO	30	25	20
S C	0	0	0
TENN	2	2	2
18 STATES	20	14	17

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

	SORGHUM % COLORING		
	1983	1982	AVG.
COLO	98	80	82
KANS	90	90	95
MO	100	100	100
NEBR	100	80	100
OKLA	98	95	100
S DAK	100	91	98
TEX	95	95	96
7 STATES	95	91	96

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

	SORGHUM % MATURE		
	1983	1982	AVG.
COLO	79	53	44
KANS	65	35	55
MO	87	73	72
NEBR	95	10	60
OKLA	80	65	70
S DAK	92	69	77
TEX	75	77	81
7 STATES	77	55	69

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

	SORGHUM % HARVESTED		
	1983	1982	AVG.
COLO	14	0	2
KANS	20	5	15
MO	49	35	31
NEBR	20	0	10
OKLA	15	10	15
S DAK	21	3	16
TEX	65	69	72
7 STATES	41	34	40

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

	RICE % HARVESTED		
	1983	1982	AVG.
ARK	57	62	54
CALIF	7	5	16
LA	86	94	94
MISS	41	60	65
TEX	100	100	100
5 STATES	59	64	63

THESE 5 STATES PRODUCED 98% OF THE 1982 RICE CROP.

	COTTON % BOLLS OPENING		
	1983	1982	AVG.
ALA	85	88	73
ARIZ	90	94	93
ARK	92	96	79
CALIF	75	80	79
GA	73	74	80
LA	74	96	83
MISS	94	100	97
MO	100	100	91
N MEX	60	85	63
N C	97	93	90
OKLA	55	45	60
S C	98	90	89
TENN	97	85	60
TEX	56	48	52
14 STATES	69	67	67

THESE 14 STATES PRODUCED 99% OF THE 1982 COTTON CROP.

	COTTON % HARVESTED		
	1983	1982	AVG.
ALA	16	17	18
ARIZ	2	3	6
ARK	20	38	19
CALIF	0	1	2
GA	7	12	26
LA	4	27	21
MISS	11	27	22
MO	52	44	29
N MEX	0	0	0
N C	16	11	17
OKLA	0	0	2
S C	22	12	22
TENN	23	26	15
TEX	16	17	19
14 STATES	12	16	16

THESE 14 STATES PRODUCED 99% OF THE 1982 COTTON CROP.

	WINTER WHEAT % PLANTED		
	1983	1982	AVG.
CALIF	0	1	0
COLO	86	88	90
IDAHO	58	52	52
ILL	14	16	20
IND	25	25	20
KANS	45	65	65
MO	23	11	20
MONT	65	60	60
NEBR	95	90	90
OHIO	25	30	20
OKLA	50	30	50
OREG	24	31	33
S DAK	95	93	95
TEX	31	39	46
WASH	64	63	58
15 STATES	48	51	55

THESE 15 STATES PRODUCED 80% OF THE 1982 WINTER WHEAT CROP.

	WINTER WHEAT % EMERGED		
	1983	1982	AVG.
CALIF	0	0	0
COLO	56	65	65
IDAHO	28	24	29
ILL	3	6	4
IND	0	1	0
KANS	15	25	25
MO	10	8	10
MONT	30	10	10
NEBR	65	60	70
OHIO	0	0	0
OKLA	10	10	20
OREG	7	8	12
S DAK	75	64	74
TEX	5	12	22
WASH	51	40	44
15 STATES	21	23	27

THESE 15 STATES PRODUCED 80% OF THE 1982 WINTER WHEAT CROP.

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: Temperature averages below normal. No rainfall.

Soil moisture short to adequate. Fieldwork 6.2 days. Corn harvested 83%, 1982 87%, average 74%. Soybeans: Turning yellow 64%, 1982 67%, average 73%; dropping leaves 36%, 1982 42%, average 48%; mature 25%, 1982 28%, average 32%; harvested 5%, 1982 10%, average 8%. Cotton: Bolls open 85%, 1982 88%, average 73%; harvested 16%, 1982 17%, average 18%. Peanuts: Dug 60%, 1982 91%, average 52%; combined 45%, 1982 81%, average 40%. Sorghum harvested 51%, 1982 65%. Activities: harvesting corn, cotton, sorghum, peanuts, hay, and vegetables; pest control on field crops; routine care of livestock and poultry; and land preparation and planting of fall-planted crops. Corn, soybeans, and cotton mostly fair; peanuts, sorghum, pasture and livestock fair.

ALASKA: Early week weather dry and unseasonably cold with some sub-zero minimum temperatures in northern valleys. Late week was warmer and wetter. Precipitation less than 0.25 in. most areas.

Cold temperatures, strong winds, rain slowed harvest operations throughout Railbelt. Growers had from 2 to 4 days harvest small grains. Harvest 1983 y crop was 85% complete. Quality and test weight of barley was good. Continued wet weather slowed harvest second crop hay; nearly 60% has been harvested. Potato harvest virtually complete. Livestock condition good to excellent. Winter hay mostly short to adequate. Soil moisture supplies mostly adequate to surplus. This is the last report of the season.

ARIZONA: Very wet southwesterly flow brought record heavy rainfall. Extensive flooding in southeastern quarter. Most washes, streams overbank southeastern two-thirds. Precipitation 4.00 to 7.00 in. southeast, White Mountains. Eastern two-thirds rainfall amounts 2.00 to 4.00 in. Western one-third amounts under 0.50 in. Temperatures slightly above normal beginning week, plunged below normal midweek. Remained below normal through end of week. Average temperatures 1° below normal Phoenix, Prescott, Flagstaff to 7° below normal Kingman.

Range, pasture conditions improving throughout State. Sporadic rainfall maintain good forage for livestock. Herds reported good condition. High temperatures first half September depleted soil moisture, reduced already low stock water levels. Conditions reversed with heavy rainfall throughout State last week September. Insect damage very light all areas. Open bolls present 90% cotton, behind last year 94%, average 93%. Harvesting activities little progress, 2% harvested, below last year 3%, average 6%. Cotton crop mostly average condition, some reported below average. Rain delayed defoliation, effectiveness recently applied defoliants. Sorghum grain harvest started Pinal County, increased slightly other areas. Strong winds caused some damage sorghum, corn Yuma County. Corn harvest winding down Santa Cruz County. Seedbed preparation for new plantings alfalfa, renovation established stands active. Alfalfa harvest winding down many areas. Harvest delayed by rains. Lemon harvest increasing Yuma area, little picking

other areas. Grapefruit harvest limited scale. Citrus groves continued good. Seeding, transplanting, thinning active for lettuce, cauliflower, broccoli. Early plant development stands generally good. Scattered heavy rains caused lettuce stand problems some areas. White fly numbers increasing on lettuce Yuma County, causing some concern. Some green onions harvested Maricopa County.

ARKANSAS: Daytime temperatures were unseasonably warm and nights cooler than normal. High was 92° and the low 41°. Only two stations had rainfall. Highest amount 0.07 in.

Days suitable for fieldwork 6.9. Moisture very short. Crop progress slow. Cotton fair condition; bolls opening 92%, 96% 1982, 79% average; harvested 20%, 38% 1982, 19% average. Rice good condition; harvested 57%, 62% 1982, 54% average. Soybeans poor to fair condition; turning yellow 51%, 52% 1982, 51% average; shedding 31%, 30% 1982, 33% average; harvested 3%, same as 1982 and average. Corn fair; harvested 87%, 95% 1982, 71% average. Sorghum fair; harvested 76%, 91% 1982, 81% average. Winter wheat fair to good, needs rain; planted 6%, 10% 1982, 11% average. Pastures poor. Cattle fair.

CALIFORNIA: Conditions over the entire State were warm and dry during the first part of the week while the latter part of the period was characterized by cooler temperatures and moderate rainfall amounts. Above normal temperature averages were restricted mainly to the coastal locations with below normal averages elsewhere. Nearly all locations recorded measureable precipitation amounts for the period with the South Coast receiving the greatest totals. Santa Barbara recored 4.01 in.

Rain late in week delayed fall crop harvest 1-2 days. Minimal crop damage expected. Rice growers preparing for harvest. Rice 7% harvested. Ahead of 5% year earlier, well behind average 16%. Cotton less than 1% harvested, 1% year earlier, average 2%. Defoliation increasing. Winter grain field preparation for seeding active. Little seeded yet. Dry bean harvest active. Turning windrowed beans rained on. Corn harvest active. Sugarbeet digging increasing central valleys. Down alfalfa hay slight rain damage. Apple, avocado, grape, olive, plum, pomegranate, grapefruit, Valencia orange, almond, pistachio, walnut harvests active. Coastal area rains caused concern about more bunch rot in grapes. Raisin harvest virtually complete, San Joaquin Valley. Desert area lemon maturity ahead of normal. Artichoke volume seasonally light. Broccoli volume moderate. Cantaloup volume decreasing San Joaquin Valley. Carrot harvest moderate Kern district, Salinas Valley. Cauliflower moderate supply. Celery harvest slowed during the week. Lettuce supplies fairly heavy Central Coast. Green pepper harvest active Central Coast, San Joaquin Valley. Potato harvest continued Perris-Hemet, Tulelake-Butte Valley areas. Sweetpotato harvest increasing. Market tomato harvest continues San Joaquin Valley, coastal districts. Processing tomato harvest over 95%. Rain delays last week, increased mold problems. Movement cattle from summer ranges continues heavy. Rains most State improved

soil moisture, reduced fire danger. Supplemental feeding continues many areas due low feed value. Fall calving lambing increasing.

COLORADO: Seasonal weather with warm days and cool nights dominated the week. A cold front moved through late 28th dropping temperatures around 10° and causing scattered showers. Some heavy showers were reported over the south central and southwest areas.

Winter wheat fair to good condition; 80% seeded, 88% last year, 90% average; 56% emerged, 65% last year, 65% average. Corn in good condition: 97% dented, 87% last year, 92% average; 78% mature, 45% last year, 53% average; 4% harvested, 2% last year, 5% average. Sorghum in poor to good condition: 98% turning color, 80% last year, 82% average; 79% mature, 53% last year, 44% average; 14% harvested, 0% last year, 2% average. Barley in good condition: 97% harvested, 89% last year, 95% average. Spring wheat in very good condition: 85% harvested, 70% last year, 83% average. State-wide, 6.0 days suitable for fieldwork. Topsoil moisture very short in southeast, adequate in southwest, short elsewhere. Subsoil moisture short in eastern plains, adequate on west Slope. Range and pasture poor in southeast, fair to good elsewhere.

FLORIDA: Dry, cool, breezy conditions predominated. Showers were confined to near or along the east coast. Rainfall mostly under 1.00 in. Strong high pressure system continued along eastern U.S. temperatures dipped into middle to upper 40's extreme north, 50's north, 60's elsewhere in the State producing some new record low's. Brisk, northeast winds decreased by weekend, with temperatures beginning to return to normal or above.

Soil moisture mostly adequate, some shortage eastern Panhandle, north and scattered central areas. Some surplus upper east coast. Peanut harvest active, yields reduced due dry weather. Soybean condition declining, due outbreak stem canker. Some acreage loss expected, lower yields expected. Sorghum harvest underway. Cotton opening rapidly. Sugarcane good to excellent condition. Land being prepared for planting small grains, planting underway. Seed corn being planted in south. Pastures generally good condition, Peninsula, mostly poor to fair, Panhandle. Cooler weather slowing growth of grass. Cattle remain in mostly good condition. Citrus condition excellent, no rain, some irrigation started. Harvest increasing on white grapefruit. A few colored seedless, and some k-early citrus fruit. Locally heavy rainfall south. Light, scattered showers other vegetable areas. Near ideal weather most of State. Land preparation, seeding active snap beans, sweet corn, cucumbers, squash. Transplanting increasing cabbage, eggplant, peppers, tomatoes. Early crops in mostly good to excellent condition. Harvest gaining sweet corn, squash, pole beans. Harvest getting underway cucumbers, radishes. Light tomato harvest expected by mid October. Most other crops should be in production by November.

GEORGIA: Unseasonably cool. Average temperature 6 to 10° below normal, ranging from mid 50's mountains to 60's elsewhere. Rainfall lower coast averaged less than 0.10 in. Continued dry 29th and 30th. Temperatures warmed to near normal south and within 5° of normal north.

Soil moisture 3% very short, 28% short, 69% adequate. Average days suitable for fieldwork, 5.7. Main activities harvesting corn, peanuts, hay; small grain land preparation and

planting: fertilizing pastures. Cotton condition 22% poor, 60% fair, 18% good; 73% bolls open, 74% last year, 80% average; 7% picked, 12% last year, 26% average. Corn condition 3% very poor, 25% poor, 50% fair, 21% good; 86% harvested this year and average, 93% last year. Peanut condition 4% very poor, 11% poor, 68% fair, 13% good, 4% excellent: 60% dug, 90% last year, 76% average; 42% threshed, 79% last year, 63% average. Soybean condition 2% very poor, 23% poor, 56% fair, 19% good; 99% setting pods, 100% last year, 98% average; 32% dropping leaves, 49% last year, 41% average; 1% harvested, 3% last year and average. Soybean pod development slow some areas. Apple condition 7% very poor, 22% poor, 56% fair, 15% good; 84% picked, 98% last year, 92% average. Pecans 13% poor, 58% fair, 28% good. Wheat 10% planted, 5% last year, 8% average. Rye 19% planted, 20% last year, 14% average. Other small grains 15% planted, 13% last year, 12% average. Hay 14% poor, 52% fair, 33% good. Reports of armyworms in hay fields and pastures. Pasture condition 8% poor, 47% fair, 45% good.

HAWAII: Tropical storm Narda threatened the State on 29th but lost considerable strength as it neared the southern end of the Island Chain. Overall, no serious damage was sustained by farmers. Narda did little more than produce heavy showers to an already wet week on Hawaii Island. Weather conditions were better on Maui where overcast skies prevailed throughout the week. Days were mostly sunny on Kauai and Oahu. Supplies of head cabbage and Chinese cabbage expected to remain heavy. Head lettuce production forecast to increase in the coming weeks. Papaya supplies low but will increase seasonally soon.

IDAHO: The beginning of the week was fair and mild. However, the second half of the week brought cooler temperatures and showers from the central mountains, south. Locally heavy rains occurred in the southeast while the north remained dry. Temperatures were near normal except in the southeast where it was 2 to 5° above average. The heaviest amounts of precipitation fell at Rexburg with 2.15 in., and Ashton with 2.10 in. Departures for week ranged from 0.50 in. below normal at Sandpoint to 1.85 in. above normal at Ashton.

Wet weather cut the days suitable for fieldwork to 4.8. Winter wheat seeded advanced to 58% compared to 52% for both last year and average. Emergence for winter wheat stood at 28% versus 24% a year ago and 29% average. Potatoes were 25% dug compared to 15% for 1982 and 25% average. Dry beans were 64% combined versus 52% last year and 60% average. Silage corn was 74% harvested compared to 70% last year. Onions climbed to 77% harvested versus 68% a year ago. Sugarbeets were being harvested with 6% of the crop in compared to 3% last year. Nearly 35% of the cattle and 45% of the sheep had been moved from their summer ranges.

ILLINOIS: Temperatures 2 to 10° above normal. Precipitation none to 0.05 in.

Good to excellent harvest conditions. Soil moisture 65% short, 35% adequate. Days suitable fieldwork: 6.0. Corn mature 98%, 1982 100%, average 98%; harvested 23%, 1982 13%, average 16%. Soybeans 96% shedding leaves, 1982 90%, average 89%, 40% harvested, 1982 14%, average 39%. Wheat 14% planted, 1982 16%, average 20%; emerged 3%, 1982 6%, average 4%. Sorghum

harvested for grain 30%, 1982 14%, average 19%. Fall plowing 10% complete, 1982 7%, average 4%. Pasture condition 2% excellent, 20% good, 34% fair, 37% poor, 7% failure. Livestock condition good.

INDIANA: Temperatures unseasonably mild. Highs upper 70's to lower 80's and few 90's. Temperatures 3 to 6° above normal the northern half and 1 to 3° above southern half. Precipitation nearly nonexistent. A few areas of less than 0.10 in. Evaporative loss greater than usual.

Fieldwork averaged 6.7 days. Topsoil and subsoil moisture short. Corn 15% harvested, 1982 10%, average 10%, corn 95% mature, 1982 95%, average 85%. Corn moisture content 23%, 1982 25%. Soybeans 40% combined, 1982 30%, average 15%. Soybean moisture content 13%. Soybeans 85% mature, 1982 80%, average 60%. Soybeans 98% shedding leaves, 1982 95%, average 85%. Wheatland 55% plowed, 1982 60%, average 60%. Wheat 25% seeded, 1982 25%, average 20%. Wheat 0% emerged, 1982 1%, average 0%. Tobacco 85% harvested, 1982 90%, average 90%. Silos 90% filled, 1982 85%, average 75%. Pasture condition mostly poor to fair.

IOWA: Unseasonably, warm week. Precipitation negligible in southern and eastern districts. Temperatures averaged 10 to 14° warmer than normal. Extremes: 42 and 90°. Precipitation fell over western counties the 29th and again the night of October 2-3 over the northern districts, the west central, and central.

Days suitable 6.1. Corn harvested 35%; 4% last year; 12% normal. Soybeans with leaves shedding 97%; 67% last year; 88% normal; mature 80%, 42% last year, 76% normal; harvested 30%, 6% last year, 26% normal. Fall plowing completed 10%, 0% last year, 3% normal. Fertilizer applied 9%, 0% last year, 0% normal. Topsoil moisture 22% short, 76% adequate, 2% surplus. Subsoil moisture 46% short, 52% adequate, 2% surplus.

KANSAS: Precipitation averaged near 1.00 in. north central. Otherwise, moisture light and spotty, averaging 0.20 in. northwest, 0.15 in. southeast, less than 0.10 in. elsewhere. Temperatures averaged 71° northwest and southeast, 74° to 77° elsewhere, 5° above normal southeast, 10 to 12° above normal elsewhere.

Corn 95% mature, 75% last year, 85% average; 35% harvested, 20% last year, 35% average. Sorghum 90% colored, 90% last year, 95% average; 65% mature, 35% last year, 55% average; 20% harvested, 5% last year, 15% average. Soybeans 80% shed leaves, 45% last year, 65% average; 15% harvested, 5% last year, 10% average. Wheat 45% planted, 65% last year and average; 15% emerged, 25% last year and average. Emergence and stands dependent on variable soil moisture, still on short side but adequate some localities. Pastures and range remain very poor to fair. Cattle moving off grass to crop residue some areas, supplemental feeding continues. Days suitable for fieldwork: 6.5.

KENTUCKY: Warm dry weather. Temperatures normal or slightly above with warm days, cool nights. Rainfall absent for most locations with no station recording over 0.10 in. This is 0.75 in. below normal.

Soil moisture 85% critically short, 13% short, 2% adequate. Days suitable for fieldwork: 6.0. Burley 90% cut while virtually complete last year and average. Crop not curing well. Some areas, drying out before curing. Corn for grain 27% harvested, 29%

last year and average. Corn 85% mature, 97% last year, 95% average. Average reported test weight 54 pounds. Soybeans 6% harvested, 7% last year, 8% average; 54% shedding leaves or beyond, 47% in 1982, 44% average. Some late beans damaged by previous week's frost. Fall wheat seeding 8% complete, 11% last year, 14% average, delayed by short soil moisture. Pastures poor, feeding hay.

LOUISIANA: Temperatures averaged 1° below to 1° above normal. High 90°, low 50°. No precipitation reported.

Soil moisture short north, adequate elsewhere. Days suitable 6.2. Corn harvest 90%, 99% 1982, 95% average. Cotton open bolls 74%, 96% 1982, 83% average. Cotton harvest 4%, 27% 1982, 21% average. Condition fair. Rice ripe 97%, 99% 1982, harvest 86%, 94% 1982 and average. Sorghum ripe 97%, 98% 1982, harvest 88%, 92% 1982, 83% average. Soybeans leaves turning 73%, 75% 1982, 73% average. Shedding 42%, 51% 1982, 47% average. Harvested 5%, 16% 1982, 13% average. Condition fair to good. Sweetpotato harvest 67%, 67% 1982, 68% average. Sugarcane planted 68%, 79% 1982, 69% average. Condition good. Pecan harvest 1%, 1% 1982, condition fair to good. Vegetables rated fair. Wheat planted 6%, 2% 1982, 17% average. Condition fair to good. Hay final cutting 83%, 84% 1982. Pastures and livestock fair to good.

MARYLAND AND DELAWARE: Maryland: General rains, as a result of Tropical storm Dean, fell throughout the State. Under 0.50 in. fell in northern and western portions and mostly over 0.50 in. elsewhere. Topsoil adequate on the shore but short elsewhere. Subsoil moisture short to adequate on the lower shore, but remains short elsewhere. Days suitable for fieldwork: 6.0. Corn remains in poor condition. Corn: 100% dented, 90% mature, last year near same level. Grain corn harvest 45%, one week behind last year's 35%. Silage all cut, last year 90%. Soybeans turned 70%, equal to last year. Soybeans shed 40% both years. Tobacco nearly all topped and 75% harvested. Harvest 3 weeks behind last year. Tomato harvest completed, two weeks behind last year. Apples 55% picked, equal to last year. Fourth cutting alfalfa hay 70% complete, 85% last year. Other hay 35% cut. Fall seed grains: Barley 25% seeded, 3% 1982. Rye: 30% seeded, this year and last year. Wheat 10% seeded, zero last year.

Delaware: Light rains fell throughout the State with light amounts north. Corn 95% mature, 90% last year. Grain corn harvest 25%, 50% last year. Silage 85% cut, 1982 100% cut. Soybeans 65% turned, 20% shed. Last year 90% turned, 60% shed. Tomato harvest nears completion. Apples 70% picked, 65% last year. Fourth cutting of alfalfa hay 70% complete, 85% cut last year. Other hay 45% cut for fourth time. Barley 15% seeded, 45% last year. Rye 10% seeded, 20% 1982. Wheat seeding just beginning.

MICHIGAN: Temperatures above normal after two weeks of below normal. Temperatures averaged 5° above normal. Light precipitation fell over most of the State.

Statewide 5.5 days were suitable for fieldwork. Dry beans 45% harvested, 50% last year, 66% average. Corn 85% mature, 85% last year, 74% average. Corn for grain harvest 5% complete, 2% last year, 4% average. Corn silage 60% harvested, 65% last year, 58% average. Soybeans 70% mature, 60% last year, 46% average.

Leaves dropping for soybeans increased to 95%, 95% last year and 90% average. Soybeans 10% harvested, 5% last year, 4% average. Third cutting hay 80% baled, 85% last year, 78% average. Wheat 35% planted, 40% last year, 45% average. Fall apple picking active while grape harvest just beginning. Harvest of all vegetable crops nearly complete.

MINNESOTA: Temperatures averaged 4 to 7° above normal for the northern third of the State and 9 to 13° above normal elsewhere. High: 92°, low: 36°. Precipitation averaged 0.09 to 0.60 in. below normal for south central, southeast, and east central, 0.24 in. above normal for northwest, 1.13 in. above normal for northeast, and 0.40 to 0.84 in. above normal elsewhere. Greatest reported weekly total: 2.20 in.

Corn and soybean harvest became very active western side of State. Corn maturity nearly 2 weeks ahead of average and soybean maturity about 1 week ahead. Dry weather and above-average temperatures aided fieldwork early in week; moderate to heavy rain stopped work late in week. Days suitable for fieldwork: 5.0. Topsoil moisture: 6% short, 75% adequate, 19% surplus. Mature: Field corn 95%, 1982 71%, normal 79%; soybean 87%, 1982 57%, normal 74%. Harvested: Field corn 16%, 1982 1%, normal 4%; soybeans 20%, 1982 8%, normal 18%; sunflowers 13%, 1982 4%, normal 19%; sugarbeets 17%, 1982 19%, normal 10%; potatoes 61%, 1982 65%, normal 65%.

MISSISSIPPI: Temperatures 3 to 5° above normal. Extremes 41 and 89°. A few scattered showers in northern area of State.

Soil moisture short to adequate. Fieldwork 6.3 days suitable, 6.5 1982, 5.4 average. Soybeans 100% podding, 100% 1982 and average; 57% shedding, 79% 1982, 72% average; 5% harvested, 10% 1982 and average; condition fair. Cotton fair; 94% open bolls, 100% 1982, 97% average; 11% harvested, 27% 1982, 22% average. Rice fair; 83% mature, 95% last year; 41% harvested, 60% 1982, 65% average. Sorghum 70% harvested, 61% 1982, 63% average. Hay 93% harvested; sorghum silage 92%; peanuts 58%; sweetpotatoes 40%; corn 69%. Wheat 12% planted, 9% 1982, 19% average. Pastures fair. Pecan crop fair to good.

MISSOURI: Temperatures averaged 6 to 10° above normal except in the Bootheil where average temperatures were recorded. Precipitation averaged less than 0.50 in.

Days suitable for fieldwork: 6.3. Corn 95% mature, 78% last year and 72% normal. Corn 54% harvested, 24% last year and 32% normal. Grain sorghum 87% mature, 73% last year and 72% normal. Sorghum 49% harvested, 35% last year and 31% normal. Soybeans 89% turning color, 68% last year and 77% normal. Beans 49% mature, 23% last year and 38% normal. Beans 22% harvested, 6% last year and 13% normal. Cotton 52% harvested, 44% last year and 29% normal. Winter wheat seeding 23% completed, 11% last year and 20% normal. Plowing for spring crops 12% completed, 9% last year and 9% normal. Pasture condition 2% good, 37% fair and 61% poor. Topsoil moisture supply 16% adequate and 84% short.

MONTANA: Wet week over all the State. Southwest and south central received from 0.50 to over 2.00 in. while the remainder of the State received from 0.25 to 0.75 in. Some areas in the extreme west were dry all week. Temperatures were very warm the first of the week, 20 to 30° above normal, falling to 20 to 30°

below normal by midweek. For the week temperatures averaged 2 to 5° below normal.

Moisture supplies short to adequate, but have improved with recent moisture. Winter wheat seeding 65% complete, last year and average 60%. Germination fair to good, about 30% emerged. Percent harvested compared with last year and average: Corn silage 85, 60, 70; dry beans 70, 75, 70; potatoes 35, 20, 20; sugarbeets 5, 0, 5. Fieldwork, 4.4 days suitable. About 55% cattle and sheep moved from summer ranges.

NEBRASKA: Temperatures 6° above normal Panhandle and 12° above normal remainder of State. Precipitation 2.00 to 3.00 in. south central and southeast. Only trace amounts Panhandle and north central.

Corn good to fair. Mature 96%, 30% last year and 70% average. Harvested 20%, 1%, 7%. Soybeans fair. Shedding leaves 98%, 45% and 80%. Harvested 30%, 3% and 20%. Sorghum mostly fair to good. Ripe 95%, 10% and 60%. Harvested 20%, 0% and 10%. Winter wheat sown 95%, 90% and 90%. Winter wheat emerged 65%, 60% and 65%. Pasture and range feed short to adequate. Topsoil moisture adequate to short. Subsoil moisture mostly short to adequate. Days suitable 5.7.

NEVADA: Mostly cloudy and unsettled weather. Precipitation widespread throughout week. Temperatures near normal north, slightly below normal south. Due to extensive cloud cover, daytime temperatures below normal most areas. While nighttime lows above normal. Extremes: 35 and 87°.

Wet fields delayed potato harvest main producing area. Rain caught some hay on ground. Soggy fields slowed completion alfalfa seed combining. Yield lowered further due to shattering. Cattle coming off summer ranges. Pasture and ranges excellent. Some sales reported.

NEW ENGLAND: Cool temperatures early in week gave way to warmer temperatures by week's end. Rainfall was concentrated in the southern New England States, during the weekend. Precipitation ranged from 1.00 to 3.00 in.

Soil moisture conditions and grazing availability short to adequate. Days suitable for fieldwork averaged 6.5. Harvest in full swing, Maine potatoes 70% dug, ahead of last year's 60%. Good quality potatoes expected, yields variable. Field corn harvest advanced to 55%. Apples 50% picked. Cranberries 20% harvested, 50% last year.

NEW JERSEY: Temperatures averaged 1° above normal. Extremes were 35° on the 27th and 82° on the 28th. Weekly rainfall averaged 1.18 in. north, 1.27 in. central and 1.07 in. south. The heaviest 24-hour total 1.17 in. on the 1st to 2nd. Estimated soil moisture, in percent of field capacity, averaged 94% north, 90% central and 87% south. Four inch soil temperatures averaged 62° north, 64° central and 66° south.

Fieldwork: 6.3 days suitable. Topsoil moisture reported short to adequate. Fall vegetable harvest active. Apple harvest continues active. Corn silage harvest making good progress. Limited harvest of corn for grain. Small grains and cover crop seeding has begun.

NEW MEXICO: Average temperatures above normal east, near or below normal central and west. Minimum temperature 36°, northern and western mountains. Maximum temperature 91°, southern

Desert. Scattered thundershowers most sections. By weekend, showers more numerous and heavy over south and west. Heaviest amounts 4.62 in., southwest; 2.00 in. plus, southeastern Plains, northern mountains, and western mountains.

Soil moisture short. Cotton good; 60% open bolls, 85% last year, 63% average. Alfalfa rated good; southern counties into 5th and 6th cuttings, others in or winding down 4th cutting. Harvest delayed due to wet conditions. Irrigated grain sorghum very good; early harvest begun eastside. Dryland crop poor. Corn rated good; 15% grain fields harvested, 90% silage fields harvested. Irrigated wheat, barley fields good. Irrigated wheat planting 90% complete, barley 70% complete. Dryland fields poor, 20% planted. Chile and fruit harvest continues. Light freeze damage to peanuts. Cattle, sheep fair to good. Ranges poor.

NEW YORK: Rainfall subnormal except in southeast. Temperatures near normal. No frost, good work week.

Corn silage 35% harvested, 44% last 1982, 39% average. Grain corn harvest starting. Third cutting alfalfa 81% done, 68% 1982, 67% average. Wheat planting well along. Apple harvest in full swing Statewide. Some slow ripening in Hudson Valley. Good apple size, color along Lake Ontario. MacIntosh harvest 75% done. Bosc pear harvest done. Lake Erie Concord harvest underway. Harvest of Delaware, Niagara grapes complete, Catawbias in progress. Cabbage, potato harvesting active.

NORTH CAROLINA: Temperatures 4 to 7° below normal Statewide. Rainfall nonexistent except for few showers in Piedmont.

Soil moisture: 17% very short, 52% short, 31% adequate. Days suitable for fieldwork: 5.9. Condition: Cotton 44% poor, 56% fair. Peanuts: 14% poor, 79% fair, 7% good. Soybeans: 35% poor, 58% fair, 7% good. Sorghum: 32% poor, 56% fair, 12% good. Apples: 5% poor, 47% fair, 43% good, 5% excellent. Sweetpotatoes: 10% poor, 87% fair, 3% good. Phenological stages: Cotton open bolls: 97%, 1982 93%, average 90%. Corn mature: 100%, 1982 100%, average 99%. Soybean setting pods: 99%, 1982 100%, average 100%. Soybean leaf drop: 12%, 1982 17%, average 6%. Harvests: Flue-tobacco: 96%, 100% 1982, average 100%. Corn for grain: 70%, 1982 76%, average 72%. Corn for silage: 94%, 1982 94%, average 95%. Apples: 57%, 1982 79%, average 69%. Burley tobacco 80%, 1982 89%, average 93%. Sorghum harvest: 31%, 1982 49%, average 47%. Sweetpotatoes: 18%, 1982 58%, average 45%. Peanuts dug: 4%, 1982 18%, average 24%. Peanuts threshed: 2%, 1982 6%, average 16%. Major farm activities: Corn grain harvest, flue tobacco harvest and marketing, burley tobacco harvest, planting covercrops and small grains, preparation of land for fall planting, cutting of hay and silage, sweetpotato and peanut digging, harvesting of cotton, vegetables, apples, and sorghum.

NORTH DAKOTA: Widespread rainfall occurred Statewide, all areas reporting above normal precipitation. Weekly amounts from 0.30 to 1.30 in. largest amount was reported southeast with 1.34 in. Week began on warm side with high temperatures upper 80's low 90's. By midweek precipitation and clouds moved in behind a strong cold front and high temperatures dropped into the 50's. Temperatures averaged near normal west to 3 to 5° above normal east.

Excellent progress made on row crop harvest despite only 3.8 days suitable for fieldwork. Wet weather late in week added much needed moisture Statewide. Harvest of sunflower, corn, soybeans and sugarbeets moved well ahead of average. Potato and dry bean harvest near average. Sunflower and corn mostly fair to good condition, although insect and bird damage becoming more apparent to sunflower fields. The percent harvested compared to last year and average: Sunflower 14, 2, 8; corn grain 37, 6, 9; flax 88, 79, 71; soybeans 43, 33, 25; dry beans 65, 67, 70; potatoes 63, 75, 65; and sugarbeets 17, 17, 11.

OHIO: Temperatures 1 to 5° above normal. Extremes from mid 80's to low 40's. Precipitation spotty, highest 0.20 in., most none. Soil temperatures 4 inches bare mid 60's.

Corn harvest for grain most active west central. Few harvest problems. Moisture 18 to 30%. Stalk condition poor. Soybeans few problems. Moisture 10 to 15%. Winter wheat planted 25%, 30% 1982, 20% average; emerged 0%, 0% 1982, 0% average. Soybeans dropping leaves 95%, 95% 1982, 85% average; mature 75%, 85% 1982, 65% average; harvested 30%, 25% 1982, 20% average. Corn mature 95%, 95% 1982, 80% average; harvested 15%, 15% 1982, 10% average. Days favorable 7.0. Pasture condition poor to fair. Soil moisture 74% short, 26% adequate.

OKLAHOMA: Average temperatures ranged from 9° above normal Panhandle to 3° above normal southeast. Precipitation averages varied from 0.26 in. southwest to none southeast, south central, east central, and northeast.

Wheat seeding continues to be hampered by moisture shortages. Some late-maturing row crops would still benefit from additional moisture. Freezing temperatures in Panhandle halted growth of crops and damaged late grain sorghum. Pasture and range quality deteriorated slightly but remained in fair condition. Wheat planted: 50%, 30% 1982, 50% average; emerged 10%, 10% 1982, 20% average. Sorghum mature: 80%, 65% 1982, 70% average; harvested 15%, 10% 1982, 15% average. Cotton open bolls: 55%, 45% 1982, 60% average; harvested 0%, 0% 1982, 2% average.

OREGON: Temperatures 2 to 3° cooler than normal throughout State, except in western valleys where temperatures were near normal. Precipitation of 1.70 in. in southwestern valleys, and less than 0.20 in. throughout remainder of State. The 1984 winter wheat crop 24% seeded compared with 31% in fall 1982 and 33% on average. Emergence has occurred on 7% of acreage, about the same as last year but slightly behind normal. Ground preparation continues in those areas where seeding has not yet begun. Late grain harvest near complete. Planting of fall grasses continues; many fields germinated. Winter pears and apples continue to be harvested. Most other fruits going dormant. Filbert harvest ahead of schedule, but the crop is poor. Cranberry harvest continues. Potato harvest moving ahead rapidly. Soil moisture short to adequate. Livestock, range and pasture condition good.

PENNSYLVANIA: Temperatures were normal for this time of year. The State average of 58° equaled the normal. A few locations in the northern mountains had frost early in the week. The week was dry, despite some rain in the east from the remnants of tropical storm Dean. The State average of 0.23 in. was 0.53 in.

below normal. Almost every station received less than 0.50 in. and many locations in the west received less than 0.10 in. of rain.

Days suitable: 5.0. Moisture short to adequate. Activities: Hay making; seeding small grains; fall plowing; and harvesting corn silage, potatoes, soybeans, cabbage, haylage, tomatoes, apples, grapes and tobacco. Tobacco 98% harvested, last year 97%. Potatoes 65% harvested, last year 79%. Corn silage 65% harvested, last year 65%. Corn for grain 93% dented or past and 48% mature; last year 91% dented or past and 44% mature; average 94% dented or past and 49% mature. Soybeans 6% harvested, last year 12%. Fall plowing 68% complete, last year 80%, average 78%. Barley 74% planted, last year 84%. Wheat 43% planted, last year 52%. Third crop alfalfa 89% harvested, last year 83%. Fourth crop alfalfa 44% harvested, last year 39%. Quality of hay made fair to mostly good. Feed from pastures mostly below average to average.

PUERTO RICO: Island average rainfall 1.15 in. or 0.68 in. below normal. Highest weekly total 4.57 in. Highest 24-total 2.12 in. Temperatures averaged about 82 to 81° on coasts and 75° Interior Divisions. Mean station temperature ranged from 83.9 to 67.3°. Extremes 94 and 59°.

SOUTH CAROLINA: Cool, mostly dry. Temperatures rose to normal or above over the weekend. Rain insignificant.

Soil moisture short 6.0 days for fieldwork. Corn yields vary; 86% harvested, 94% of last year, 88% average. Cotton 98% open bolls, 90% last year, 89% average; harvesting jumped to 22% ahead of 12% a year ago, same as average. Soybean leaves turning color at 37%, 52% last year, 48% average; 17% shedding leaves, 20% last year, 24% average; maturity at 3%, 6% year ago and average; few foliage feeding insects being controlled, conditions poor to fair. Tobacco stalks 2/3 destroyed to prevent harboring pest. Apples 64% harvested, 91% last season, 86% average. Livestock conditions fair, winter grazing 47% planted, 56% year ago, 40% average; 32% emerged with recent rains, 31% year ago, 20% average.

SOUTH DAKOTA: Average temperatures 10 to 15° above normal east, 5 to 10° above normal central, and 0 to 5° above normal west. Extremes: 97° and 31°. Scattered showers occurred as cool air moved through the State after midweek. Rainfall amounts were generally 0.50 to 1.00 in.

The hot, dry summer combined with an early hard freeze have pushed crop maturity and harvest progress ahead of normal. Reported frost damage was isolated and minor. Corn borer damage becoming more evident as harvest progresses. Excessive stalk breakage and poor ear quality attributed to heavy borer infestations. Winter wheat stands fair to good. Stands in need of rain in important central producing region. Winter grain seeding virtually complete; some re-seeding required in northwest due to grasshopper damage. Other activities included hay moving and stacking, prairie dog control, and cutting silage. Days suitable for fieldwork: 5.5. Winter wheat seeded 95%, 1982 93%, average 95%. Winter wheat emerged 75%, 1982 64%, average 74%. Sorghum coloring 100%, 1982 91%, average 98%. Sorghum mature 92%, 1982 69%, average 77%. Sorghum harvested 21%, 1982 3%, average 16%. Corn mature 97%, 1982 84%, average 95%. Corn harvested 16%, 1982 2%, average 9%.

TENNESSEE: No rainfall in most locations.

Temperatures averaged about 7° below normal.

Soil moisture 2% adequate, 28% short, 70% critically short. Days available for fieldwork: 6.0. Corn mature 93%, 1982 92%, average 84%; harvested 39%, 1982 32%, average 27%. Cotton open bolls 97%, 1982 85%, average 60%; harvested 23%, 1982 26%, average 15%. Soybeans shedding leaves 43%, 1982 43%, average 35%; mature 10%, 1982 10%, average 11%; harvested 2%, 1982 2%, average 2%. Tobacco harvested: Burley 91%, 1982 98%, average 94%; dark-filled 86%, 1982 92%, average 92%; dark air-cured 88%, 1982 91%, average 92%. Wheat sown 10%, 1982 19%, average 28%. Pastures 84% poor, 16% fair.

TEXAS: Temperatures over northwest, north central Texas averaged 2 to 6° above normal, south, east Texas slightly below normal. Precipitation below normal Statewide.

Crops: State experienced cool temperatures, little rainfall. Open weather allowed harvest of cotton, sorghum to continue. Planting of small grains behind schedule. Cotton harvest continued. Defoliation continues in Low Plains, harvest expected soon. Frost on 21st damaged fields north of Lubbock, yields expected to be affected. Cool temperatures slowed maturity. Yields on dryland fields continue to reflect effects of prolonged hot, dry conditions, irrigated fields continue to look good. Current condition is 57% of normal compared with 56% a year ago. About 2% excellent; 12% good; 67% fair, 19% poor. Sorghum harvest made steady progress. Cool temperatures continue to slow maturing, losses expected in Northern High Plains where last week's freezing temperatures damaged plants. Dryland yields showing effects of moisture stress, irrigated fields making excellent production. By week's end condition was 66% of normal compared with 92% a year ago. Reported condition was 5% excellent; 32% good; 47% fair; 15% poor and 1% failure. Corn harvest continues at a rapid pace. Activity picking up Plains where corn maturing well. Yields remain good, quality excellent. Small grain planting behind previous years. Most wheat planted has been "dusted" in, needs moisture to establish stands. Peanut harvest gaining momentum North, Central Texas. Yields, Central Texas good, moisture stress lowered yields in northern producing areas. Sugarbeet harvest getting underway. Development excellent, good crop expected. Quality, sugar content excellent. Soybeans maturing slowly. Dry conditions affected by frost, unseasonably cool temperatures.

Cotton open bolls 56%, 48% 1982, 52% average; harvested 16%, 17% 1982, 19% average. Sorghum turning color 95%, 1982 95%, 96% average; mature 75%, 77% 1982, 81% average; harvested for grain 65%, 69% 1982, 72% average. Wheat planted all purposes 31%, 39% 1982, 46% average; emerged 5%, 12% 1982, 22% average. Corn harvested for grain 87%, 76% 1982, 70% average. Peanuts harvested 13%, 24% 1982, 29% average. Soybeans harvested 10%, 2% 1982, 6% average. Sugarbeets harvested 0%, 1% 1982, 0% average. Sunflowers harvested 18%, 31% 1982, 25% average. Oats planted for all purposes 28%, 25% 1982, 37% average.

Commercial vegetables: Rio Grande Valley, land preparation wrapping up, planting gaining momentum. Harvest of early oranges continues, fruit showing good size, quality. San Antonio-Winter Garden area, land preparation continues. Planting getting underway, preplant irrigation continuing. East Texas, sweetpotato harvest continues. Sizes remain small, quality excellent.

Trans-Pecos region harvest of cucumbers, chilies active. Bell peppers developing well, showing excellent growth. High Plains, cool temperatures have halted most activity. Pecans continue to develop well, some early varieties South Texas expected to be ready for harvest soon. Nuts filling well, outlook remains good.

Range and livestock: Range, pasture condition made little improvement. Grazing in most areas, except East Texas, along Coast, remains limited, supplemental feeding increased. Growth of grasses, small grains slow due to lack of moisture. Additional rainfall a "must" if winter grazing is expected. Despite lack of grazing, livestock in good condition.

UTAH: Heavy shower activity throughout State. Accumulations generally moderate to heavy. Temperatures averaged 3° above normal.

Fieldwork limited to 4.7 days due to rains and wet fields. Major activities hay harvest and corn silage cutting. Onion growers waiting for improved weather before continuing digging. Third crop hay 77% cut, considerable rain damage. Corn silage 63% cut. Feed value hurt by early frost. Apple picking 18% complete. Sixteen percent of cattle and 25% of sheep moved from summer ranges. Livestock in good condition.

VIRGINIA: High pressure dominated weather through first part of period. Temperatures averaged 5 to 7° below normal and little or no rainfall reported. Tropical storm Dean moved northwestward across the State dropping an average of 0.50 to 1.00 in. of rain on 30th and 1st. Residual cloud cover and drizzle remained over the State through rest of weekend, with partial clearing over southwest on 2nd.

Cooler temperatures and increased precipitation were little help to major crops. Improved soil moisture, 69% short, 31% adequate and helped land preparation for seeding small grains and cover crops. Days suitable for fieldwork averaged 5.5. Corn 96% mature, 2% ahead of last year but same as average. Grain harvest 47% complete, 40% 1982, 45% average; silage harvest 92% complete, 88% 1982, 85% average. Soybean harvest 2% complete, same as last year and average. Peanut digging 12% complete, 32% 1982, 25% average; combining 6% complete, 25% 1982, 12% average. Maturing slowly. Some spraying for leaf spot and spider mites. Tobacco harvest, curing and marketing active. Flue-cured harvest 86% complete, 98% 1982, 95% average; fire-cured harvest 95% complete, 100% 1982, 97% average; burley 96% harvested, 94% 1982 and average; sun-cured 95% harvested, 96% 1982, 95% average. Small grain seeding near normal.

WASHINGTON: Cool but dry. Week started with high pressure off coast and brought fair skies and cool temperatures as it moved inland. Sunday the 25th, a weak cold front was approaching, passed through State on 26th. Front brought mostly cloudy skies and few showers. Marine air followed front but off shore flow established by 28th returning fair skies to but cool temperatures for remainder of week.

Fall seeding continues as weather permits. Early seeded fields emerged excellent stands. Weed control being done due to late fall rains. All spring crops harvested. Potato harvest at peak. Corn silage harvesting nearly complete. Corn for grain just starting harvest. Mint harvesting continues along with fourth cutting alfalfa hay. Red and golden delicious apples being harvested good size and color. Water

core not as big problem as last year. Pear harvest nearly over. Grape harvesting continues. Westside, blueberry harvesting completed. Growers cleaning up fields and applying herbicides. Harvesting sweet corn for canning about 70% completed Cowlitz County. Carrot and celery harvest continues. Fresh market cauliflower harvest almost over. Winter cauliflower looks good, seed cabbage fields have lot of top growth. Frost affected truck gardens and dahlia plantings Thurston County. Eastside, sweet corn and carrots being harvested. Livestock in good condition and being moved to winter grazing areas. Fall calving continues. Westside pastures in good condition and green chopping continues. Winter wheat planted 64%, 63% 1982, 58% average; emerged 51%, 40% 1982, 44% average.

WEST VIRGINIA: Temperatures averaged below normal across the State. Low 23°, high 82°. Precipitation near normal in the south and northeast areas; below normal elsewhere. Range: none to 1.16 in.

Soil moisture reported short over entire State. Days suitable for fieldwork averaged 5.6. Main activities: corn harvesting, general maintenance, hay harvesting. Fall seeding of wheat and barley reported at 56% and 44% respectively, 38% and 36% in 1982. Corn in fair condition with 13% in dough stage, 56% mature and 31% harvested; 11%, 67%, and 22% in 1982. Tobacco in fair to good condition with 99% harvested at 76% of normal. Pastures in poor to fair condition. Hay in fair to poor condition. The third cutting 63% complete at 66% of normal. Apples in fair condition. Water supply for livestock continues to be a problem in several areas.

WISCONSIN: Sunny skies, pleasant temperatures over northwest portions early week, cloudy skies over southeast. Clear skies and warm temperatures Statewide mid to late week while cloudy and scattered showers fell over northwest. Highest temperature 90° Iola on 29th. Lowest 38° Lake Thompson on 26th.

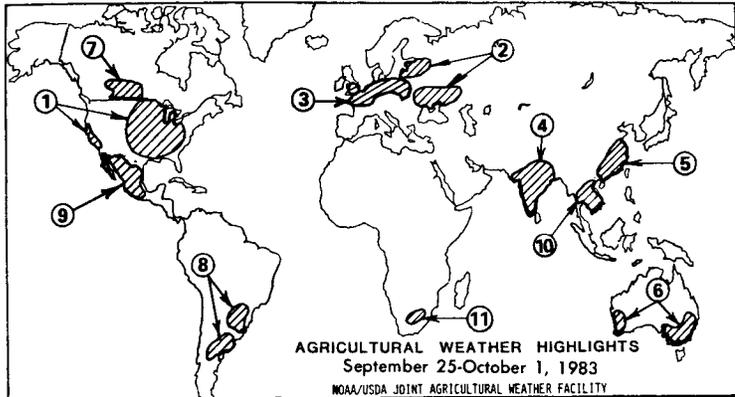
Days suitable for fieldwork: 5.0. Soil moisture adequate. Corn 8% harvested, 1% last year, average 3%. Acreage mature 91% compared to 72% last year and average 92%. Silo filling 41% complete, 26% last year, average 51%. Soybeans shedding leaves 69% complete. Fall plowing 15% finished, ahead of last year's progress of 8% and average of 10%. Pasture condition rated at 89% of normal.

WYOMING: Temperatures above normal, maximum 91° extreme northeast, lows 30's and 40's. Northwest and north central above normal precipitation otherwise below average.

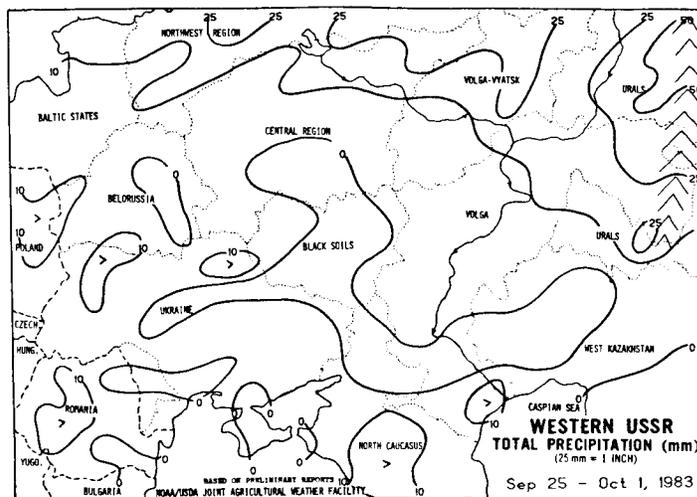
Topsoil moisture adequate 62% State, subsoil moisture adequate 74% State. Days suitable for fieldwork: 5.0. Most areas have had freeze damage to growing crops. Winter wheat seeded 90%; normally 95%. Winter wheat emerged: 75%; normally 80%. Winter wheat stands fair to mostly good. Barley, oats: mature 5%; harvested 95%. Spring wheat mostly harvested. Corn for grain: dented 40%; mature 50%; harvested 5%. Corn silage harvest 90% complete. Dry beans 80% combined; normally 75% combined. Potatoes 65% dug. Sugarbeet harvest starting. Thirty-five percent cattle, calves and 40% sheep, lambs moved from summer ranges.

International Weather and Crop Summary

September 25 to October 1

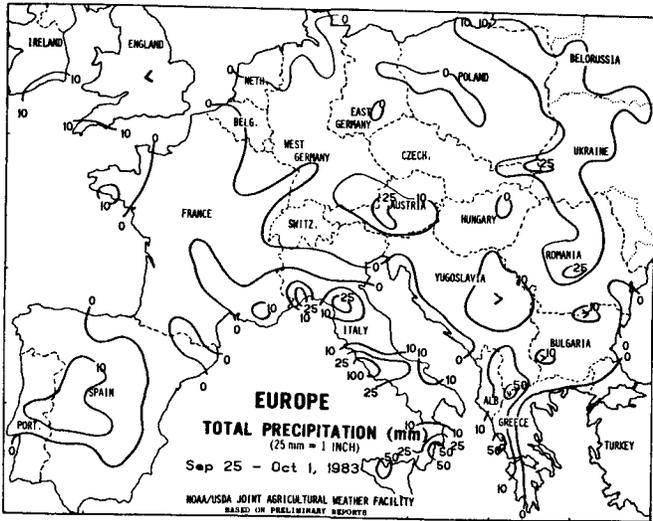


1. UNITED STATES ... Sunny, dry weather over most of the eastern half of the Nation favors harvesting. Rains from Nebraska to Minnesota aid winter wheat, while showers in California hamper fruit and vegetable harvesting. Abnormal coolness over the Southeast slows soybean development.
2. WESTERN USSR ... Light rain in northern grain areas keeps soils moist, but frost likely covers the area late in the week. Dry weather continues to hamper winter grain planting in parts of the south.
3. EUROPE ... Mostly dry weather across northern Europe aids winter grain planting and summer crop harvesting; showers improve conditions for grain planting over the southeast, and preseason showers fall over western Spain.
4. SOUTH ASIA ... Rain continues in the north aiding moisture conditions for winter wheat planting. Moderate to heavy rain favors cotton, groundnuts, and rice in the central crop regions.
5. EASTERN ASIA ... Heavy rain in coastal Guangdong damages late rice, but lighter amounts benefit remaining rice areas. Dry weather in central China aids the cotton, corn, and soybean harvests.
6. AUSTRALIA ... Mild, generally dry weather aids wheat growth across the Australian wheat belt as the crop enters reproductive development.
7. CANADA ... Mostly dry weather in northern crop areas improves harvesting conditions, but an extended period of dryness is needed to complete the Prairie crop harvest; harvesting is nearly complete in the south.
8. SOUTH AMERICA ... Showers aid wheat growth in eastern crop areas of Argentina and moisten topsoils for summer crop planting; showers fall again over southern Brazil but drier weather aids coffee harvesting and cotton planting in northern Parana and Sao Paulo.
9. MEXICO ... Heavy rains fall over some northwestern mountain watersheds while dry weather settles over most of the southern Plateau corn belt.
10. SOUTHEAST ASIA ... Tropical Storm Georgia brings heavy rain to Indochina benefiting late planted rice, but slowing the harvest of earlier crops.
11. SOUTH AFRICA ... The corn planting season begins in October with the arrival of the wet season.

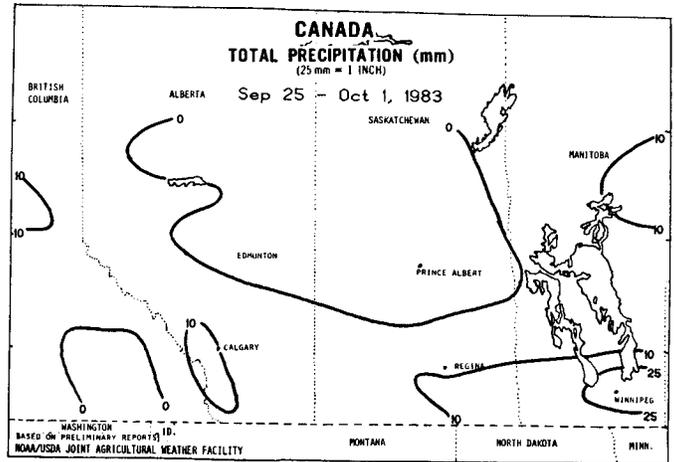


WESTERN USSR...Generally, little or no precipitation covered a large portion of central Western USSR this week. Light showers, mostly less than 5 mm, benefited winter grain planting efforts in the eastern Ukraine, and parts of the western Ukraine. Light rain also aided planting in the Volga Valley, however, the northern North Caucasus and southern Black Soils remained dry, continuing to hamper winter grain planting. The mostly dry weather in the south was favorable for the corn and sugarbeet harvest. Light rain in most northern crop areas continued to maintain

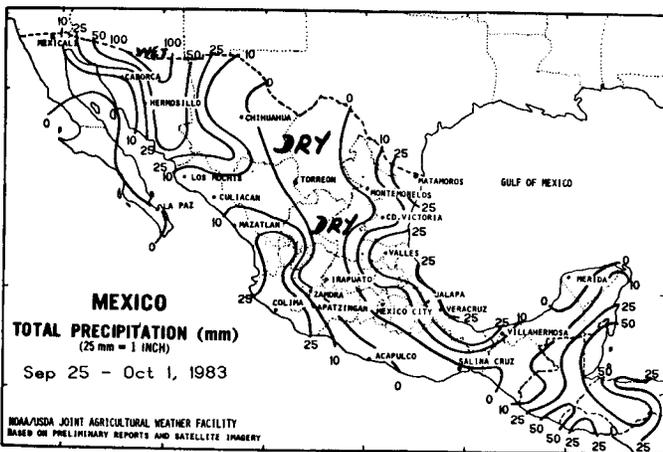
favorable soil moisture conditions for early establishment of winter grains. Temperatures continued warm through the first part of the week in European USSR, but a frontal passage late in the week brought much cooler air into the crop areas. Frost likely occurred in the northern crop areas where winds were light and temperatures reached -2°C . Only a few subfreezing temperatures were recorded in the south, but the cooler weather slowed development of late planted winter grain. Warmer weather is needed in the south to establish the winter crop.



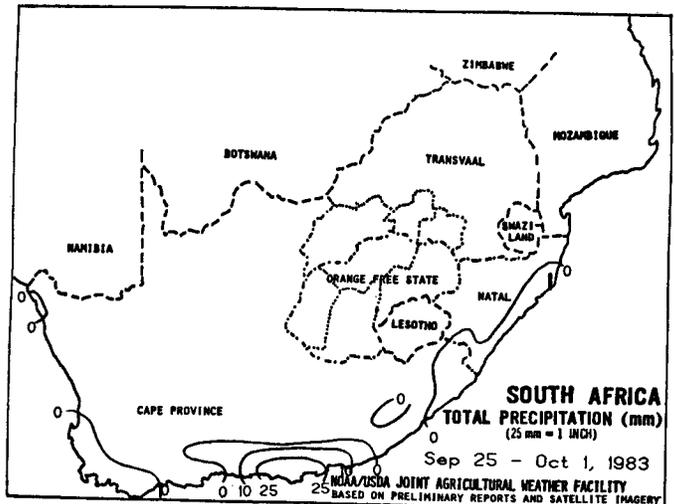
EUROPE...Rainfall was light (less than 10 mm) across most of Europe, except for heavier showers which dotted the Southeast, scattered areas of Italy, and portions of west-central Spain. The generally dry weather across northern Europe aided both winter grain planting and summer crop harvesting. Dry weather in France improved conditions for corn harvesting. However, continued dryness over Hungary was unfavorable for the upcoming winter grain planting period which normally occurs during October. The moisture over eastern Yugoslavia and Romania was mostly beneficial for grain planting because it improved topsoil reserves. Drier weather over Bulgaria alleviated excess moisture which fell the previous week and allowed fieldwork to resume by week's end. Finally, the showers in western Spain moistened topsoils but additional rain will be needed for the upcoming grain planting period. Temperatures averaged slightly-above normal in the west, below normal in the northeast, and near normal in the southeast.



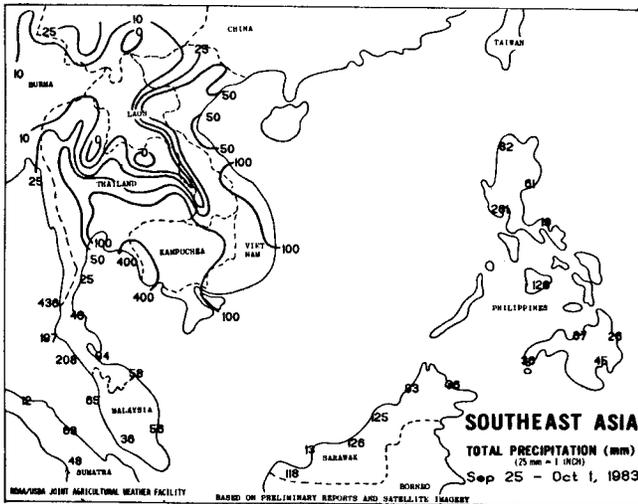
CANADA...A frontal system moved swiftly across the Prairie Provinces during midweek producing mostly light showers, except in the southeast. Rainfall amounts in excess of 10 mm covered southeastern Saskatchewan and much of Manitoba's crop area late in the week. Harvest delays caused by the rain were relatively insignificant because harvesting is in its final stages in these areas. Dry weather over northern Prairie crop areas improved conditions for harvesting. The harvest progress had been hampered by cold, wet weather in recent weeks over northern crop areas of Alberta and Saskatchewan. Mild weather early in the week helped to dry fields but cold weather pushed into the region following the frontal passage. Heavy frost, in addition to the wet weather, has lowered the quality of crops in some areas. Dry weather is needed to complete the Prairie crop harvest.



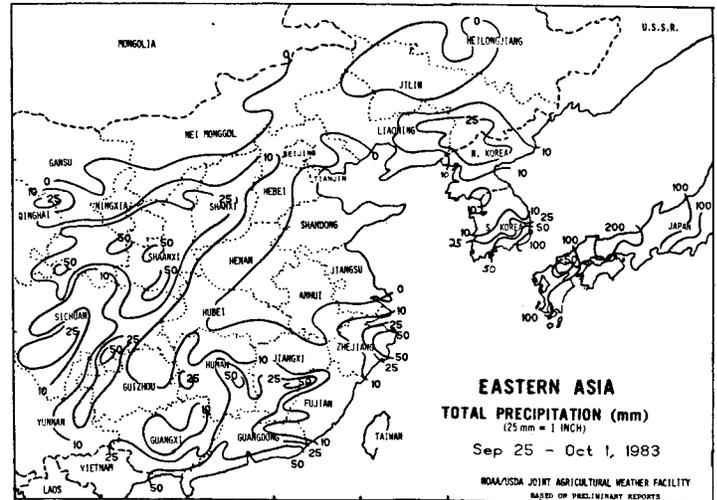
MEXICO...Heavy rains fell in the northwestern mountain watersheds north of Los Mochis, helping fill reservoirs, improving rangeland vegetation, but interfering with crop harvest. Localized flooding may have caused some damage. Rainfall was light across most of the Culiacan Valley, but increased southward through the state of Colima. Most of the southern Plateau corn belt received light rain, except the central part which had sunny, dry weather. Generally, the peak period of water demand has benegerally passed, and some of the early fields may be almost mature. Persistent dryness continued over the north-central region, stressing rangeland vegetation and livestock.



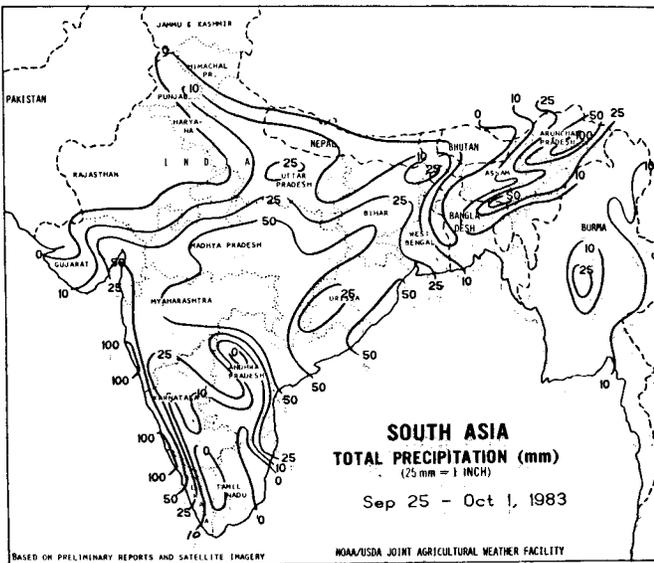
SOUTH AFRICA...The major corn producing region is located in the Orange Free State and southern Transvaal, usually referred to as the Maize Triangle. Planting coincides with the beginning of the rainy season in October. Sporadic showers fell during the dry season, but conditions are presently dry. More moisture is needed before significant planting can begin.



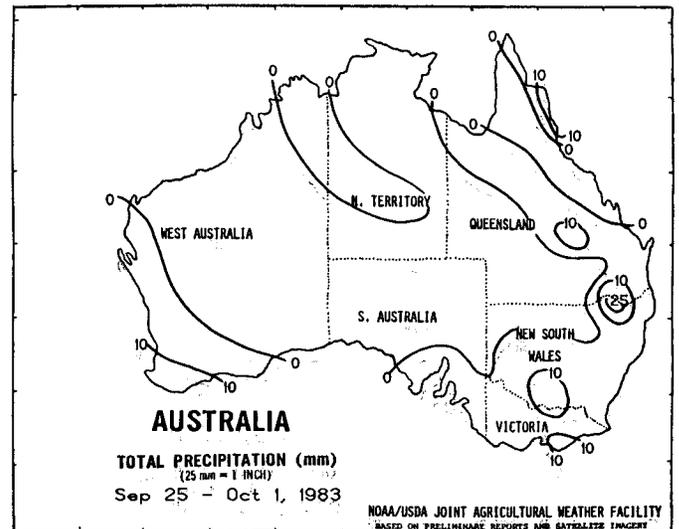
SOUTHEAST ASIA...Late in the week Tropical Storm Georgia moved into northern Vietnam. Very heavy rain associated with this system fell in southern Laos, Kampuchea, southeastern Thailand, and all of Vietnam. Moderate rain and slightly above-normal temperatures occurred in northern Thailand. The corn harvest should be nearly complete, but frequent rains have slowed progress. Late planted rice, in the heading stage, benefited from the continued rain. Early planted rice is normally being harvested at this time. Scattered, moderate to heavy rain fell throughout the Philippines. The first rice crop in Central Luzon is normally being harvested now, but earlier much below-normal rains delayed planting and the crop is still in the reproductive to grain-filling stages.



EASTERN ASIA...A tropical storm moved into southern China in the latter part of the week bringing some heavy precipitation to coastal Guangdong and Guangxi. Flooding likely damaged late double-cropped rice in the reproductive stage, however, lighter beneficial rain fell elsewhere in the rice region. Mostly dry weather in the central cotton area allowed harvesting to progress. Moderate precipitation benefited western winter wheat areas where planting is underway. The remainder of the North China Plain was dry this week, but sufficient moisture exists in most areas for winter planting. Light showers in Manchuria caused no significant delays in the corn and soybean harvest. Temperatures remained above normal in nearly all crop areas, except in the northeast. Extremely heavy rain from Typhoon Forrest caused flooding in southern Japan, likely damaging maturing rice.



SOUTH ASIA...Monsoon activity decreased this week, but moderate rain continued in the northern wheat areas of Uttar Pradesh. Winter wheat planting usually begins in October and soil moisture should be adequate in most areas. Moderate to heavy precipitation fell in central India keeping cotton, groundnuts, and rice well supplied with moisture during most of the reproductive stage. Autumn rice is maturing, but winter rice is heading and will require continued rain for proper development. Relatively drier weather occurred again in southern India, but heavy rain two weeks ago saturated soils in Tamil Nadu and Karnataka. Temperatures continued to be seasonably warm in most crop regions this week.

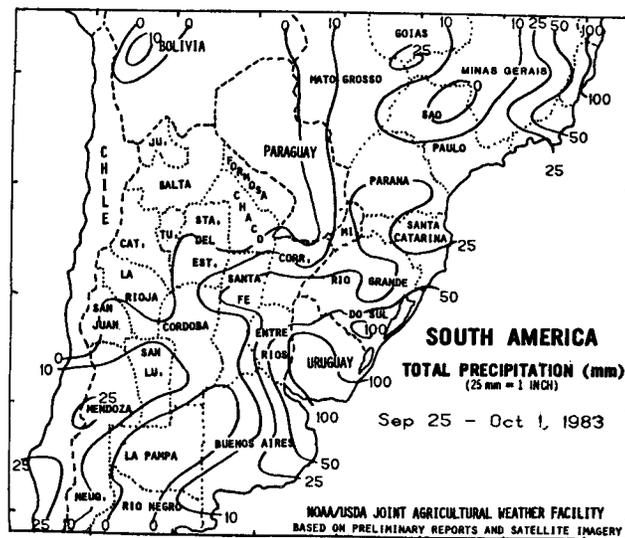


AUSTRALIA...Mostly light showers covered the wheat belt as two separate storm systems brushed the southern coast. Wheat is in the late vegetative growth stage across the major southern growing regions, while mild weather has pushed the crop into the reproductive phase of development in northern growing areas. The somewhat above-average temperatures accelerated crop growth, which was beneficial because the planting season was delayed. Moisture supplies are adequate in nearly all crop areas. Thus, conditions remain favorable for good crop yield prospects throughout the wheat belt.



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SOUTH AMERICA...In Argentina, eastern portions of the wheat area benefited from timely rains which aided late vegetative growth. Most wheat areas received moisture during the past few weeks. The rain favored wheat growth and also moistened topsoils in preparation for summer crop planting. Temperatures were generally near normal across Argentina's crop areas. Heavy rain fell over southwestern Uruguay as the storm system intensified, but southern Brazil escaped

inundative rains as the storm moved eastward off the coast. Significant showers, in excess of 25 mm, fell over southern wheat areas slowing crop harvesting. Over 30 percent of the total wheat crop has been harvested, primarily from northern crop areas. The harvest season will not begin in the south until mid-October. Drier weather from northern Parana to Minas Gerais aided late coffee harvesting and planting of cotton, corn, and other crops.

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