

WEEKLY WEATHER AND CROP BULLETIN

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

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

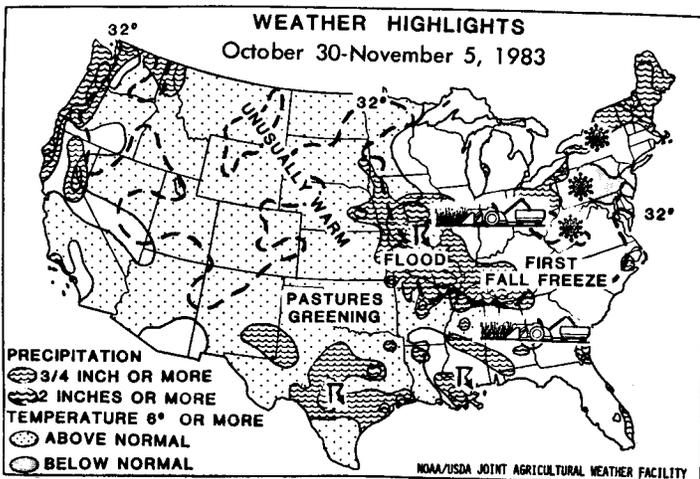
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WASHINGTON, D.C.

Nov. 8, 1983

National Weather Summary

October 29 to November 5



temperatures were reached in the Northeast in the morning, and record-high temperatures were measured in Montana in the afternoon.

TUESDAY...Rain spread over most of California, the Plateau, and the northern Rockies. Showers and thunderstorms spread from eastern Oklahoma and Kansas, through the middle Mississippi Valley, and the southern Great Lakes region to western New York. Some heavy thunderstorms spread from central Missouri into Illinois. It was not quite as cold in the Northeast, but unusual warming continued through the western part of the Plains.

WEDNESDAY...Heavy rain continued in parts of Missouri resulting in local flooding. Showers and thunderstorms covered the Ohio Valley, the lower Great Lakes region, the Appalachians, and parts of the mid-Atlantic States. Showers diminished in the West but continued in the Pacific Northwest. Only a few freezing temperatures were reported, in the Northeast and parts of the Rockies, but cooler weather was moving into the northern Plains.

THURSDAY...Moderate showers and thunderstorms continued in the lower Missouri Valley and spread to the Tennessee Valley. Lighter showers reached into North Dakota, through the Ohio Valley and lower Lakes States, the Appalachians, and the East Coast States to northern Georgia. Showers and thunderstorms began to spread through Texas to southern New Mexico and Arizona. A cold outbreak began pushing into the upper Lakes region.

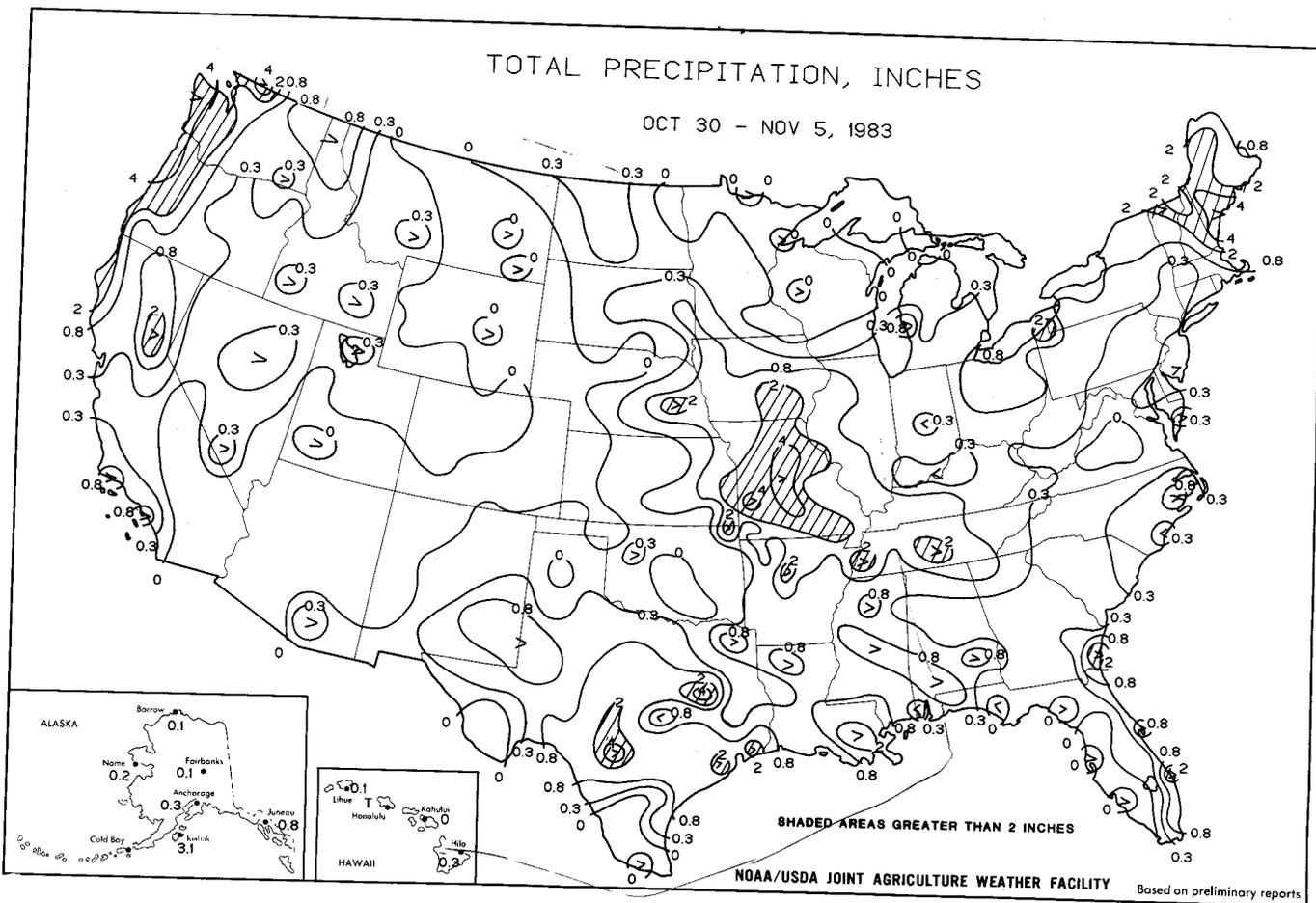
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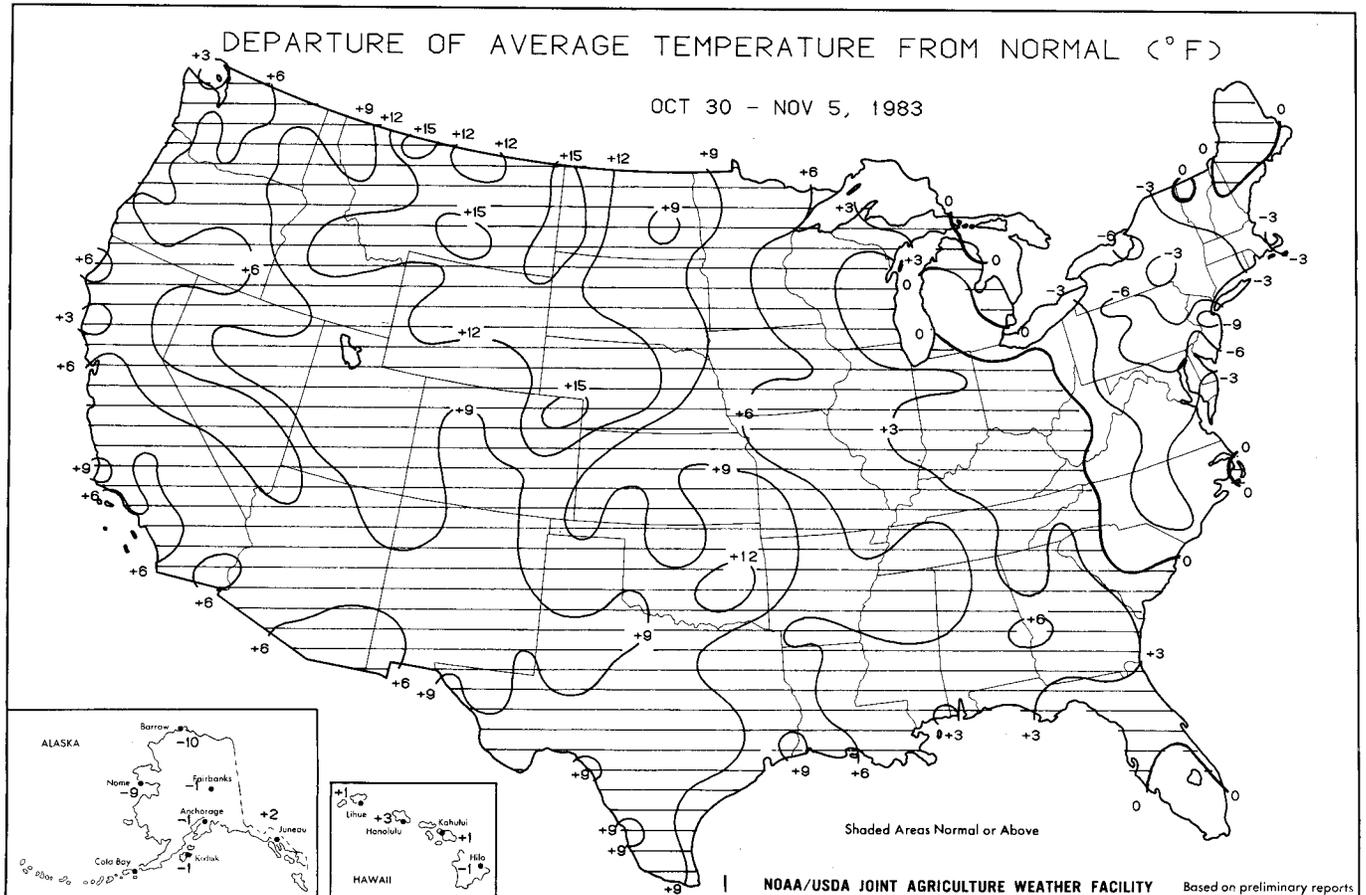
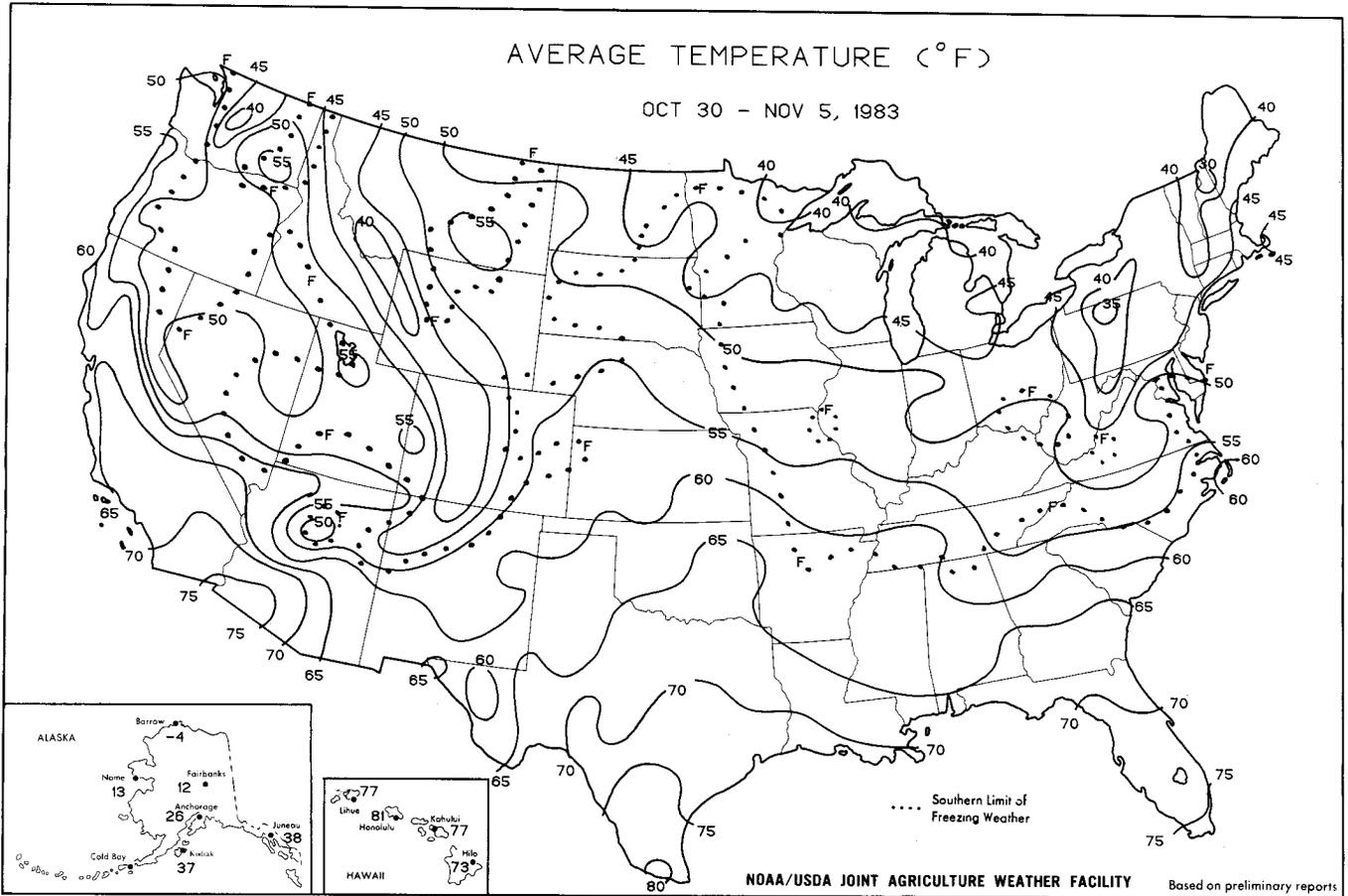
HIGHLIGHTS: Showers and thunderstorms from Texas to the lower Missouri Valley and northeastward late in the week slowed harvesting and fall plowing, but dry weather in the Southeast and much of the central Plains speeded the harvesting and seeding of winter grains. Western portions of the central Plains were still too dry. Deluges of rain in the lower Missouri Valley flooded some acreage. A cold outbreak at the end of the week pushed freezing temperatures as far south as the Tennessee Valley and North Carolina, stopping the growth of tender vegetables and flowers. Snow fell from New York to central West Virginia. Temperature averages for the week were above normal in most of the Nation, but colder than normal in the Northeast. Average temperatures were as much as 12-15° warmer than normal from western Nebraska into Montana.

SUNDAY...Rainshowers spread through the northern two-thirds of California, the Great Basin, and the Pacific Northwest. A few light showers fell from Oklahoma to Nebraska but were more numerous and heavier in northern Missouri, Iowa, and northern Illinois. Morning low temperatures were below freezing in the northern Rockies, the Great Lakes region, and the Northeast--reaching as far south as Maryland and West Virginia.

MONDAY...Showers continued over the same areas in the West and spread into the central Rockies. Very light rain or drizzle accompanied fog and low clouds from eastern Texas to Nebraska and the northern Mississippi Valley. Showers and a few thunderstorms reached from Iowa to northern Ohio. Some record-low

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Weather Data for the Week Ending Nov. 5, 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	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	72	48	79	35	60	4	.2	.1	.2	7.1	87	50.3	105	90	51	0	0	1	0
MOBILE	76	53	80	45	65	2	.1	.1	.1	12.4	115	70.2	120	94	48	0	0	2	0
MONTGOMERY	77	51	83	44	64	5	.1	.1	.1	10.5	133	60.9	143	95	48	0	0	1	0
AK ANCHORAGE	32	19	44	11	26	-1	.3	0	.3	4.9	109	11.6	89	89	67	0	7	3	0
BARROW	2	-10	10	-21	-4	-10	.1	0	.1	1.4	108	2.9	58	84	61	0	7	5	0
FAIRBANKS	20	4	28	-2	12	-1	.1	0	.1	4.1	195	9.6	102	89	63	0	7	3	0
JUNEAU	42	34	45	27	38	2	.8	-.7	.3	11.0	68	39.6	86	99	81	0	3	5	0
KODIAK	41	32	47	24	37	-1	3.1	1.2	1.9	11.4	57	61.8	104	83	57	0	2	4	3
NOME	20	6	30	0	13	-9	.2	0	.1	4.7	112	11.7	78	82	57	0	7	4	3
AZ PHOENIX	83	64	85	59	73	8	0	-.1	0	3.3	236	11.4	184	73	37	0	0	0	0
PRESCOTT	68	43	72	40	56	7	0	-.1	0	10.2	291	18.3	112	96	47	0	0	0	0
TUCSON	78	56	83	52	67	3	.8	-.7	.6	10.3	396	20.6	198	79	37	0	0	0	0
YUMA	87	65	90	62	76	7	0	-.1	0	.3	38	4.3	179	63	31	0	0	2	1
AR FORT SMITH	76	54	81	45	65	10	0	-.1	0	.8	7	7.2	96	79	37	0	0	0	0
LITTLE ROCK	73	52	81	36	63	6	.4	-.4	.4	4.6	61	31.2	76	91	48	0	0	1	0
CA BAKERSFIELD	73	56	80	52	65	3	.1	0	.1	.4	57	8.3	193	87	60	0	0	1	0
EUREKA	65	54	68	47	60	7	2.8	1.7	1.2	7.1	158	44.0	159	91	70	0	0	6	3
FRESNO	74	55	79	51	65	7	.1	-.1	.1	1.3	163	17.6	235	88	52	0	0	1	0
LOS ANGELES	74	61	82	57	67	4	.5	-.2	.4	3.3	413	25.1	282	83	55	0	0	2	0
RED BLUFF	66	57	68	53	61	3	.4	-.1	.3	2.0	95	31.6	212	97	70	0	0	4	0
SACRAMENTO	72	56	75	49	64	6	.1	-.3	.1	1.1	73	24.9	211	92	53	0	0	1	0
SAN DIEGO	76	65	81	60	71	6	T	-.2	T	.4	67	15.0	221	84	56	0	0	1	0
SAN FRANCISCO	70	58	74	54	64	6	.3	-.1	.2	.9	60	26.3	196	91	59	0	0	3	0
CO DENVER	70	37	73	34	54	10	.1	-.1	.1	.6	23	17.1	119	69	21	0	0	1	0
GRAND JUNCTION	69	43	71	39	56	10	T	-.2	T	1.5	79	11.1	154	63	28	0	0	1	0
PUEBLO	75	33	78	28	54	9	.3	-.1	0	.7	35	11.6	104	73	22	0	3	0	0
CT BRIDGEPORT	54	35	60	29	45	-5	.3	-.5	.2	7.1	92	45.8	132	85	49	0	3	0	0
HARTFORD	56	30	63	23	43	-4	T	-.8	T	7.9	91	44.0	117	90	44	0	6	2	0
DC WASHINGTON	59	41	75	37	50	-3	.2	-.4	.2	8.9	127	41.3	171	81	48	0	1	0	0
FL APALACHICOLA	78	56	80	52	67	2	.3	-.4	.2	9.6	71	52.0	102	93	53	0	0	1	0
DAYTONA BEACH	78	60	79	53	69	0	.3	-.4	.2	19.0	150	59.9	132	90	58	0	0	3	0
JACKSONVILLE	77	57	80	50	67	3	1.8	1.3	1.4	9.8	83	54.3	109	96	61	0	0	3	1
KEY WEST	81	73	82	70	77	-1	0	-.9	0	4.1	32	46.7	127	79	60	0	0	0	0
MIAMI	81	67	83	63	74	-1	1.1	-.1	.8	12.9	77	52.5	95	87	50	0	0	5	1
ORLANDO	81	61	83	57	71	0	T	-.4	T	9.5	103	48.7	105	95	55	0	0	2	0
TALLAHASSEE	80	51	83	41	65	3	.1	-.5	.1	5.9	53	54.3	93	97	43	0	0	1	0
TAMPA	80	62	82	58	71	1	.1	-.3	.1	9.0	92	53.8	120	99	59	0	0	1	0
GA ATLANTA	81	67	83	60	74	0	1.6	-.5	1.2	19.1	101	72.8	128	84	57	0	0	4	1
AUGUSTA	67	48	75	36	58	1	.3	-.4	.3	9.9	148	35.2	85	82	55	0	0	1	0
MACON	71	48	79	41	60	2	.1	-.4	.1	8.0	119	43.1	113	85	47	0	0	1	0
SAVANNAH	75	49	83	43	62	3	T	-.4	T	2.9	49	38.6	98	87	47	0	0	1	0
HI HILO	75	53	80	45	64	3	.1	-.3	.1	4.6	54	46.0	97	90	49	0	0	2	0
HONOLULU	81	66	82	63	73	-1	.3	-.8	.2	21.1	106	67.4	60	88	61	0	0	4	0
KAHULUI	85	69	87	65	77	1	0	-.6	T	1.4	47	4.5	26	77	49	0	0	2	0
LIHUE	81	73	82	72	77	1	.1	-.4	0	1.1	69	5.6	41	76	57	0	0	0	0
ID BOISE	65	48	70	46	57	12	.1	-.1	.1	3.5	44	13.6	39	79	61	0	0	3	0
LEWISTON	61	44	67	37	53	8	.4	-.1	.2	2.0	100	11.5	112	96	63	0	0	6	0
POCATELLO	61	39	65	30	50	9	.4	-.2	.2	3.0	188	14.5	159	92	52	0	0	4	0
IL CHICAGO	57	37	66	28	47	1	.6	-.1	.5	8.2	126	38.4	125	86	50	0	1	2	0
MOLINE	59	41	69	26	50	4	1.8	1.3	1.5	9.5	134	30.1	88	90	55	0	2	4	1
PEORIA	60	43	71	29	51	5	1.0	-.5	.6	9.1	126	34.8	106	90	59	0	2	4	1
QUINCY	60	45	71	33	52	5	1.4	-.9	1.0	10.3	123	27.5	77	87	62	0	0	4	1
ROCKFORD	56	35	62	21	46	1	.7	-.1	.6	6.7	88	28.0	80	99	58	0	3	7	1
SPRINGFIELD	61	44	72	29	52	4	.7	-.2	.6	5.7	90	25.0	81	88	56	0	2	3	1
IN EVANSVILLE	63	44	72	30	54	3	.1	-.6	.1	7.0	113	39.8	108	89	56	0	2	3	1
FORT WAYNE	58	39	73	28	49	3	.4	-.2	.3	5.4	90	24.2	77	86	57	0	1	3	0
INDIANAPOLIS	59	39	72	28	49	2	.3	-.4	.3	5.6	89	28.4	82	88	55	0	2	3	0
SOUTH BEND	57	38	70	26	47	1	.4	-.3	.3	5.0	67	25.1	74	85	48	0	2	3	0
IA DES MOINES	57	44	69	32	51	5	3.1	2.6	1.6	13.5	225	35.5	120	94	72	0	3	3	0
SIoux CITY	58	46	67	36	52	9	.4	-.1	.4	5.8	118	25.3	103	90	75	0	1	4	3
WATERLOO	56	38	63	24	47	5	.3	-.1	.3	8.0	121	31.9	101	94	63	0	0	1	0
KS CONCORDIA	62	50	73	42	56	8	T	-.3	T	5.3	96	22.9	87	100	80	0	2	3	0
DODGE CITY	68	51	77	44	59	11	T	-.2	T	4.6	131	22.2	112	97	65	0	0	1	0
GOODLAND	66	39	72	32	53	9	T	-.1	T	1.2	44	15.8	99	99	47	0	1	0	0
TOPEKA	64	49	73	30	57	8	.9	-.4	.5	8.2	114	32.3	102	94	67	0	1	3	0
WICHITA	66	53	75	47	59	9	.2	-.2	.2	6.0	87	33.5	122	99	76	0	0	1	0
KY BOWLING GREEN	64	43	72	27	53	2	1.2	-.4	.6	6.1	87	42.4	98	98	60	0	1	3	2
LEXINGTON	62	42	72	30	52	3	.2	-.4	.2	7.8	122	33.7	83	91	55	0	1	1	0
LOUISVILLE	64	43	72	29	53	2	.1	-.6	.1	8.0	111	38.5	98	80	50	0	1	1	0
LA ALEXANDRIA	77	58	81	44	67	5	.2	-.8	.2	5.3	71	42.5	93	93	55	0	0	1	0
BATON ROUGE	77	57	80	50	67	5	.4	-.4	.4	6.3	75	65.7	135	99	62	0	0	1	0
LAKE CHARLES	80	62	84	56	71	8	.4	-.4	.4	9.3	93	49.0	104	92	58	0	0	1	0
NEW ORLEANS	77	57	80	51	67	3	1.7	1.1	1.7	12.5	128	71.6	138	90	59	0	0	1	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

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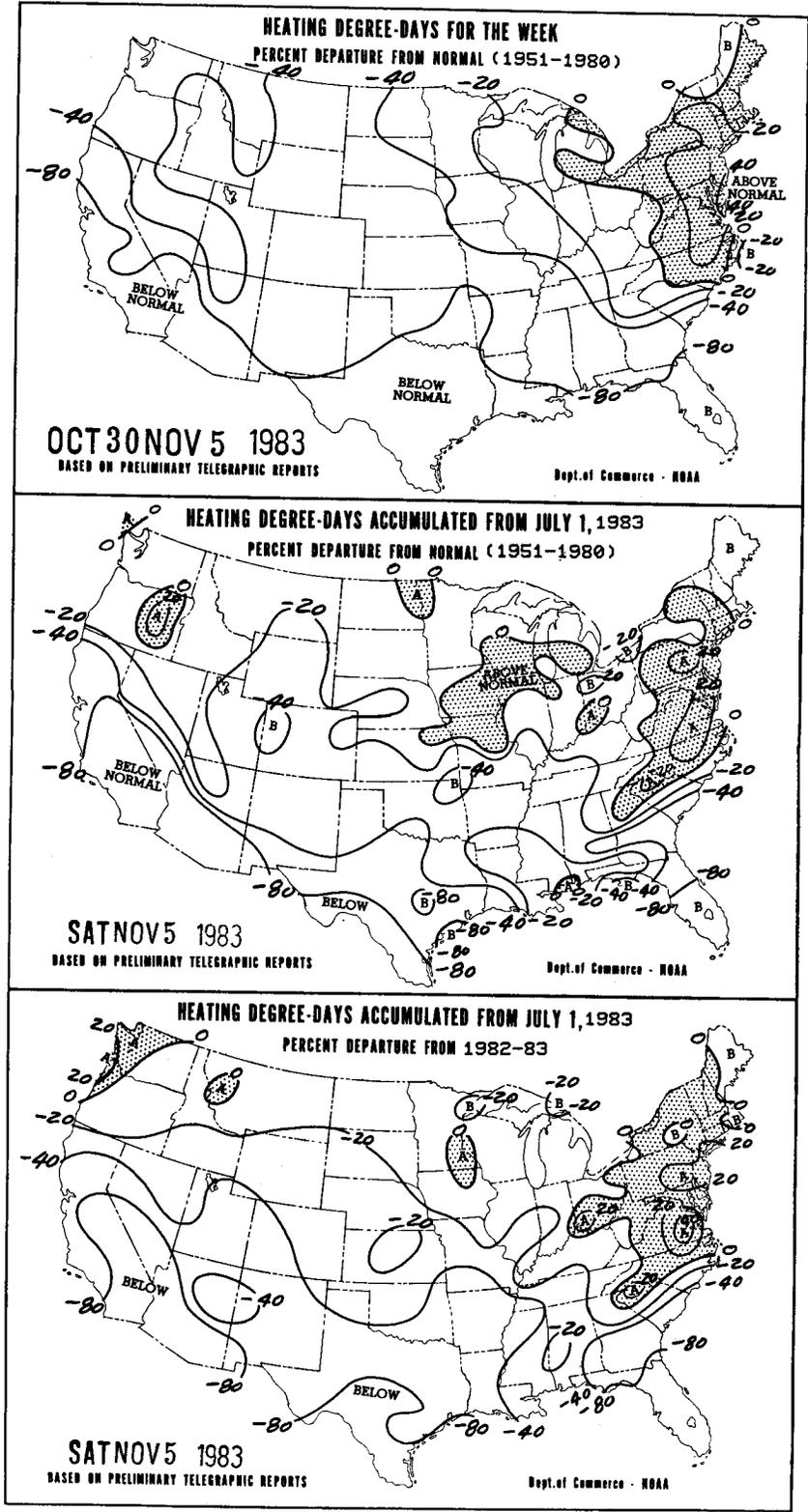
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	78	57	82	46	67	7	.3	-.4	.3	4.2	62	38.0	101	96	54	0	0	1	0
ME CARIBOU	45	29	57	25	37	0	1.4	-.7	.9	6.3	83	34.4	110	89	60	0	6	2	1
ME PORTLAND	52	32	56	22	42	-1	4.3	3.3	2.9	10.0	118	48.4	137	94	59	0	4	3	1
MD BALTIMORE	56	35	71	29	45	-5	.3	-.4	.2	5.6	73	39.5	108	88	50	0	3	2	0
MD SALISBURY	62	39	71	30	50	-1	T	T	T	9.5	109	41.9	103	96	53	0	3	1	0
MA BOSTON	57	39	65	32	48	-2	1.2	-.3	.7	7.2	90	40.8	113	83	50	0	1	3	1
MA CHATHAM	55	32	60	14	44	-6	.9	0	.9	8.0	93	47.7	123	89	70	0	3	3	1
MA ALPENA	50	26	57	20	38	-2	.2	T	T	T	T	T	T	T	T	T	T	T	T
MA DETROIT	55	34	66	25	44	-1	.6	-.1	.5	7.1	122	31.2	120	96	55	0	6	1	0
MA FLINT	56	35	66	28	45	1	.6	-.1	.5	6.5	127	30.3	111	87	52	0	5	2	0
MA GRAND RAPIDS	55	31	61	22	43	-1	.2	-.5	.2	7.5	144	27.7	104	86	51	0	4	2	0
MA HOUGHTON LAKE	51	31	60	23	41	0	.2	-.5	.2	7.6	112	31.4	104	85	45	0	5	2	0
MA LANSING	53	32	60	23	42	0	.4	-.5	T	7.8	132	26.9	109	90	52	0	5	1	0
MA MARQUETTE	50	27	56	14	39	-2	.2	-.5	.2	12.0	148	37.8	115	94	47	0	6	1	0
MA MUSKOGON	53	32	59	25	43	-2	1.3	-.7	1.3	10.9	165	27.5	99	90	50	0	5	2	1
MA SAULT STE. MARIE	51	27	55	22	39	0	T	-.7	T	7.6	96	28.5	98	89	47	0	5	0	0
MN ALEXANDRIA	50	38	57	32	44	7	T	-.3	T	4.4	88	19.3	81	94	65	0	1	1	0
MN DULUTH	47	36	56	30	42	6	T	-.4	T	7.9	125	24.5	88	93	63	0	1	2	0
MN INT'L FALLS	48	31	56	20	40	6	T	-.3	T	7.7	135	22.4	96	96	56	0	4	1	0
MN MINNEAPOLIS	53	38	61	28	45	5	T	-.3	T	6.5	133	32.4	131	92	60	0	3	1	0
MN ROCHESTER	54	35	63	26	45	5	T	-.4	T	8.5	142	30.4	112	89	58	0	4	0	0
MS GREENWOOD	76	53	82	40	65	7	.7	-.1	.7	4.1	58	48.4	109	87	45	0	0	1	1
MS JACKSON	77	49	82	39	63	5	.3	-.5	.3	4.5	63	58.6	131	98	45	0	0	1	0
MS MERIDIAN	75	48	81	37	61	4	1.1	-.5	1.1	6.4	90	56.4	126	99	51	0	0	1	0
MO CAPE GIRARDEAU	66	47	74	31	56	-.4	1.3	-.6	1.0	7.7	107	35.6	92	98	63	0	1	2	1
MO COLUMBIA	60	45	70	30	52	3	4.2	3.7	1.7	13.3	168	38.7	118	97	68	0	1	4	3
MO KANSAS CITY	61	47	72	34	54	5	1.6	1.2	.9	6.7	85	28.2	84	99	70	0	0	2	2
MO SAINT LOUIS	65	46	73	32	55	5	1.7	1.1	.9	8.3	146	34.9	116	96	60	0	1	4	2
MO SPRINGFIELD	70	51	77	35	60	10	2.4	1.8	2.1	13.3	156	40.1	113	89	57	0	0	4	2
MT BILLINGS	69	48	77	44	59	18	T	-.2	T	3.6	129	11.1	81	62	34	0	0	0	0
MT GLASGOW	62	36	70	30	49	13	0	-.1	0	1.2	80	7.1	65	81	38	0	1	0	0
MT GREAT FALLS	62	40	72	31	51	11	T	-.2	T	2.8	127	14.1	101	73	35	0	1	1	0
MT HAVRE	62	34	74	28	48	11	0	-.1	0	.6	43	11.2	104	83	38	0	4	0	0
MT HELENA	60	33	69	27	47	9	T	-.1	T	1.9	119	13.0	127	88	41	0	3	1	0
MT KALISPELL	54	32	59	25	43	7	-1	-.1	.1	2.3	88	15.0	108	96	60	0	4	4	0
MT MILES CITY	64	39	69	34	52	13	T	-.1	T	1.6	70	7.5	56	77	38	0	0	1	0
MT MISSOULA	58	34	66	26	46	9	.7	0	.1	1.9	95	13.8	127	98	53	0	2	2	0
NE GRAND ISLAND	58	47	69	45	53	8	.7	.5	.7	4.4	107	25.0	111	94	78	0	0	1	1
NE LINCOLN	61	47	70	42	54	9	.8	-.6	.8	5.1	100	25.8	101	96	76	0	0	1	1
NE NORFOLK	57	46	64	36	52	9	.4	-.2	.4	3.1	78	24.4	104	92	76	0	0	1	0
NE NORTH PLATTE	66	44	75	36	55	13	.2	-.1	.2	.9	32	17.3	93	87	48	0	0	2	0
NE OMAHA	57	47	67	39	52	7	1.3	1.0	1.3	6.1	100	27.7	95	96	82	0	0	1	1
NE SCOTTSBLUFF	73	35	76	29	54	12	T	-.1	T	1.0	53	13.2	96	77	73	0	2	0	0
NE VALENTINE	69	40	74	31	54	14	.1	0	.1	2.7	96	27.5	155	88	40	0	1	2	0
NV ELY	63	33	68	27	48	9	.2	0	.1	1.3	87	12.4	161	91	41	0	2	0	0
NV LAS VEGAS	77	54	80	50	65	6	0	-.1	0	.7	100	4.5	118	57	30	0	0	0	0
NV RENO	65	39	72	33	52	8	.1	-.1	.1	1.2	171	8.6	159	94	44	0	0	0	0
NV WINNEMUCCA	64	39	70	34	52	9	.1	0	.1	1.3	130	9.6	145	91	40	0	0	3	0
NH CONCORD	54	28	63	17	41	-2	1.9	1.1	1.5	7.1	97	37.2	170	94	55	0	4	3	1
NJ ATLANTIC CITY	56	32	66	26	44	-6	.3	-.5	.2	7.3	101	36.2	98	97	58	0	5	2	0
NM ALBUQUERQUE	69	47	74	44	58	8	.2	0	.2	2.3	115	7.1	92	85	39	0	0	1	0
NM CLOVIS	67	52	75	42	60	8	.4	-.2	.3	4.0	100	10.8	63	89	60	0	0	2	0
NM ROSWELL	67	53	75	50	60	6	1.5	1.4	.7	5.3	189	9.5	99	92	59	0	0	4	2
NY ALBANY	51	28	61	23	40	-5	.3	-.4	.2	4.9	69	36.7	121	92	53	0	5	2	0
NY BINGHAMTON	50	32	61	28	41	-2	.4	-.3	.2	5.3	74	33.6	106	83	51	0	5	4	0
NY BUFFALO	52	33	68	25	43	-3	.7	-.1	.3	7.7	105	27.8	87	88	58	0	5	4	0
NY NEW YORK	55	39	63	33	47	-5	-.1	-.7	.1	10.5	138	48.6	133	85	45	0	0	2	0
NY ROCHESTER	53	33	66	26	43	-3	1.4	-.8	.7	7.4	119	27.4	99	93	62	0	6	4	1
NY SYRACUSE	50	31	63	22	40	-5	.4	-.3	.2	5.8	79	26.9	80	97	47	0	5	5	0
NC ASHEVILLE	64	41	73	33	53	2	T	-.7	T	10.4	127	40.0	95	90	45	0	0	1	0
NC CHARLOTTE	64	44	76	31	56	-1	.1	-.6	.1	3.3	45	30.1	80	86	50	0	1	0	0
NC GREENSBORO	61	39	74	29	50	-3	.1	-.5	.1	6.9	88	36.7	97	82	46	0	1	1	0
NC HATTERAS	64	55	69	47	60	0	.3	-.9	.3	15.0	131	56.7	114	85	60	0	0	1	0
NC NEW BERN	65	48	73	33	57	-2	.8	-.2	.8	5.9	57	44.7	93	97	61	0	0	1	1
NC RALEIGH	61	40	75	29	50	-4	.1	-.5	.1	5.9	86	36.9	100	93	54	0	1	1	0
NC WILMINGTON	67	45	75	34	56	-3	.2	-.5	.2	6.8	67	49.6	102	94	58	0	0	1	0
ND BISMARCK	55	35	71	29	45	8	.4	-.2	.3	2.2	92	12.4	83	97	64	0	4	2	0
ND FARCO	52	40	60	35	46	9	T	-.2	T	5.1	138	17.9	94	80	59	0	0	0	0
ND GRAND FORKS	51	38	61	33	45	10	T	-.7	T	5.4	146	20.3	117	88	62	0	0	0	0
ND WILLISTON	64	36	73	28	50	15	.2	-.1	.2	1.1	44	8.3	63	88	44	0	2	2	0
OH AKRON-CANTON	54	38	65	29	46	0	1.0	-.5	.4	7.9	132	32.1	100	86	57	0	2	5	0
OH CINCINNATI	60	40	69	27	50	1	.4	-.3	.4	11.2	175	36.0	101	88	55	0	2	1	0
OH CLEVELAND	54	38	66	28	46	-1	.9	-.3	.6	8.5	142	31.9	102	90	57	0	2	4	1
OH COLUMBUS	57	38	70	29	47	0	1.3	-.7	1.0	9.0	161	31.5	94	80	51	0	2	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending Nov. 5, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	56	38	68	27	47	0	.5	0	.5	7.3	140	31.5	101	84	57	0	3	2	0
TOLEDO	55	33	67	24	44	-1	.8	.3	.8	6.3	117	26.9	96	94	59	0	3	1	0
YOUNGSTOWN	53	35	68	24	44	-1	.7	0	.7	9.8	148	31.9	96	86	53	0	3	5	0
OK OKLAHOMA CITY	71	56	76	51	64	9	.7	0	.3	13.8	203	36.3	124	93	64	0	0	0	0
TULSA	74	59	81	53	66	12	.1	.6	T	11.8	133	37.2	91	98	65	0	0	0	0
OR ASTORIA	59	46	61	38	52	3	5.4	3.5	3.0	9.5	87	57.5	170	99	78	0	0	0	0
BURNS	55	37	62	26	46	5	.4	.2	.1	1.4	93	12.8	147	74	65	0	1	5	3
MEDFORD	59	46	70	36	53	5	.6	.1	.3	4.7	157	18.9	133	95	67	0	0	6	3
PENDLETON	63	45	70	37	54	9	.6	.3	.1	1.7	100	11.0	124	90	50	0	0	6	0
PORTLAND	60	50	62	39	55	6	3.1	2.2	1.7	7.2	133	36.0	135	94	74	0	0	0	1
PA SALEM	61	47	64	35	54	6	2.6	1.5	1.1	5.6	95	40.7	143	93	71	0	0	7	0
ALLENTOWN	53	30	61	25	42	-6	.1	.7	1.1	6.0	72	38.1	101	87	52	0	5	1	2
ERIE	54	37	68	25	45	0	2.1	1.3	1.6	11.3	135	37.9	112	84	53	0	2	4	1
HARRISBURG	53	32	65	25	42	-6	.1	.5	.1	5.6	78	35.6	107	87	52	0	5	2	1
PHILADELPHIA	55	34	66	30	45	-6	.4	.3	.3	8.5	116	41.7	118	94	49	0	5	2	0
PITTSBURGH	55	34	71	27	45	-2	.6	0	.3	7.7	122	33.1	101	89	53	0	2	2	0
SCRANTON	51	33	62	27	42	-4	.1	.6	.1	5.5	77	33.4	108	85	56	0	4	5	0
RI PROVIDENCE	59	36	65	31	47	-1	.6	.3	.6	7.3	88	49.4	132	78	38	0	3	2	0
SC CHARLESTON	72	53	76	44	62	2	.3	.2	.3	6.6	72	47.2	98	94	52	0	0	1	0
COLUMBIA	69	46	78	38	57	-1	T	.5	T	5.6	72	35.3	81	95	50	0	0	1	0
FLORENCE	68	46	77	38	57	-2	.4	0	.4	4.6	64	41.6	107	95	57	0	0	1	0
GREENVILLE	64	46	74	35	55	0	T	.7	T	6.8	76	40.6	91	87	48	0	0	1	0
SD ABERDEEN	54	42	60	38	48	10	.1	0	.1	2.4	89	20.0	118	98	82	0	0	3	0
HURON	57	42	63	38	50	10	.4	.2	.4	4.2	131	16.5	92	99	80	0	0	1	0
RAPID CITY	67	39	73	37	53	12	T	.1	T	2.1	100	13.9	80	76	30	0	0	0	0
SIOUX FALLS	56	44	62	36	50	9	.2	0	.2	4.2	82	23.3	97	99	82	0	0	0	0
TN CHATTANOOGA	67	43	72	34	55	2	.8	.1	.5	5.2	63	35.6	79	93	53	0	2	2	0
KNOXVILLE	66	42	72	33	54	1	.7	0	.6	5.4	83	33.2	82	94	50	0	0	2	0
MEMPHIS	74	53	79	37	63	7	1.1	.4	1.0	5.6	81	40.6	91	90	49	0	0	3	1
NASHVILLE	68	47	73	32	58	4	.9	.2	.5	4.5	61	38.0	90	89	52	0	1	3	1
TX ARLINE	75	60	80	56	68	9	1.2	.8	.7	5.4	87	18.1	81	89	58	0	0	2	2
AMARILLO	71	52	77	45	61	10	T	.2	T	3.7	97	14.2	75	96	52	0	0	0	0
AUSTIN	80	65	84	58	73	9	1.1	.5	.5	6.9	87	32.3	109	90	60	0	0	4	1
BEAUMONT	79	67	82	60	73	8	.9	0	.9	11.6	105	68.3	148	100	70	0	0	2	1
BROWNSVILLE	83	68	90	66	78	7	0	.5	0	11.6	120	27.3	112	96	55	1	0	0	0
CORPUS CHRISTI	87	67	85	65	75	7	.8	.4	.8	12.0	117	35.7	123	98	62	0	0	2	1
DEL RIO	77	65	81	62	71	7	1.3	1.0	1.3	3.7	67	10.7	62	91	61	0	0	1	1
FL PASO	75	54	87	49	65	8	.2	.1	.1	6.3	252	10.9	143	88	44	0	0	3	0
FORT WORTH	78	60	83	54	69	8	.6	.2	.6	4.9	77	28.9	105	92	55	0	0	1	1
GALVESTON	78	71	82	68	74	7	1.1	.6	1.1	13.0	138	48.6	137	95	74	0	0	3	1
HOUSTON	77	66	83	56	72	8	1.0	.3	.7	9.6	90	47.1	117	94	70	0	0	4	1
LURBOCK	68	55	73	50	62	8	.3	0	.2	11.6	258	19.8	111	99	75	0	0	2	0
MIDLAND	73	58	76	54	66	8	1.1	.9	1.1	6.4	168	9.6	70	93	61	0	0	1	1
SAN ANGELO	79	61	83	55	70	11	1.4	1.1	.7	4.8	86	14.8	84	81	53	0	0	3	2
SAN ANTONIO	81	64	85	55	73	9	1.9	1.3	1.8	7.4	90	26.7	97	91	57	0	0	3	1
VICTORIA	81	66	85	60	73	7	1.2	.8	.9	13.1	175	40.2	117	100	68	0	0	3	1
WACO	80	62	84	51	71	9	1.6	1.0	.9	3.3	48	21.9	76	97	61	0	0	3	2
WICHITA FALLS	75	58	80	52	67	9	.3	-.1	.2	8.7	128	24.4	95	94	61	0	0	2	0
UT RLANDING	66	40	72	38	53	9	0	-.3	0	4.0	143	13.4	140	78	36	0	0	0	0
CEDAR CITY	68	39	72	33	53	9	.1	-.1	.1	1.2	63	12.1	133	81	32	0	0	2	0
SALT LAKE CITY	67	45	70	38	56	11	.1	-.2	T	3.0	125	18.1	140	88	40	0	0	2	0
VT BURLINGTON	51	34	60	25	43	1	1.9	1.2	1.0	10.3	147	40.3	135	82	50	0	3	3	2
VA NORFOLK	60	43	72	37	52	-4	T	-.7	T	11.5	129	40.3	90	84	55	0	0	1	0
RICHMOND	60	37	73	32	49	-4	T	-.8	T	7.2	87	33.5	87	92	45	0	2	1	0
ROANOKE	59	38	71	34	49	-2	T	-.7	T	9.4	121	38.4	109	89	50	0	0	0	0
WA COLVILLE	52	41	56	32	46	8	1.5	1.2	.8	3.1	179	21.5	158	95	83	0	1	7	1
QUILLAYUTE	56	45	59	38	50	4	5.7	2.7	2.0	17.9	97	88.1	115	98	82	0	0	6	4
SEATTLE-TACOMA	59	48	62	41	53	5	2.9	1.8	1.2	7.6	119	30.8	112	88	65	0	0	6	2
SPOKANE	55	47	59	34	49	9	1.7	1.1	.8	3.0	136	16.3	124	80	65	0	0	6	1
WY YAKIMA	60	42	64	27	51	8	.5	.3	.2	1.3	118	8.7	158	87	58	0	1	6	0
BECKLEY	55	36	67	28	46	-1	.2	-.4	.1	6.6	90	30.8	83	91	55	0	3	2	0
CHARLESTON	63	40	75	34	51	2	.5	-.2	.4	8.5	127	35.2	94	84	46	0	0	2	0
HUNTINGTON	61	41	73	34	51	1	.3	-.3	.2	6.8	108	31.4	87	85	48	0	0	2	0
PARKERSBURG	60	39	71	32	49	0	.5	0	.4	11.9	209	37.7	107	96	61	0	1	2	0
WI CREEP RAY	53	32	60	21	43	2	T	-.4	T	6.1	102	26.6	104	92	52	0	5	0	0
LA CROSSE	57	36	64	24	46	4	T	-.4	T	7.3	114	25.0	86	95	58	0	3	0	0
MADISON	54	30	61	16	42	1	.2	-.3	.2	5.9	97	26.3	92	98	56	0	5	1	0
MILWAUKEE	54	37	63	32	46	3	.3	-.1	.3	5.7	98	30.9	112	92	61	0	2	2	0
WAUSAU	52	31	59	21	41	2	T	-.4	T	9.8	140	26.6	88	93	42	0	5	0	0
WY CASPER	66	37	71	30	51	13	T	-.2	T	1.1	58	14.7	140	79	30	0	3	1	0
CHEYENNE	66	37	68	33	51	12	T	-.1	T	1.2	67	17.9	142	74	25	0	0	1	0
LANDER	63	37	66	33	50	13	0	-.2	0	1.0	42	11.6	96	71	34	0	0	1	0
SHERIDAN	67	36	74	33	52	13	T	-.2	T	2.1	75	8.0	56	70	37	0	0	0	0
PR SAN JUAN	86	74	91	73	80	-1	2.3	1.0	1.4	8.1	59	36.7	77	89	64	0	0	4	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 11- 5-1983
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK TOTAL, WEEK DEV FROM NORM, WEEK DEV FROM L YR, CUM TOTAL, CUM DEV FROM NORM, CUM DEV FROM L YR, CUM DEV FROM NORM PRCT, CUM DEV FROM L YR PRCT. Lists cities from AL BIRMINGHAM to MT KALISPELL and MT MILES CITY to WY SHERIDAN.

October Weather and Crop Summary

WEATHER SUMMARY

HIGHLIGHTS: Continuing showers in the Southwest, early in the month, caused severe flooding which damaged the cotton crop. Rain in Texas and Oklahoma during the first week was beneficial for seeding winter grains, and dry weather in the western Corn Belt and the Southeast aided harvest and drying of corn and soybeans. General rains from the eastern Plains to the east coast slowed fieldwork during the second week. The remnants of Hurricane Tico triggered heavy rain and severe flooding in western Texas and Oklahoma, and moderate rain northeastward after mid-month. The flooding washed out some newly-seeded winter wheat but the moisture was generally beneficial. Parts of the western area of the central Plains had little rain. The last week was mostly, dry except for the mid-Atlantic States and the Northeast. After some runoff and drying, fieldwork was resumed in much of the East. Average temperatures for the month were near or slightly above normal over most of the Nation. The upper Mississippi Valley was two degrees cooler than normal, while parts of the Plateau and west coast were four degrees warmer than normal.

FOURTH WEEK...A series of low-pressure systems formed in the Atlantic, off the Carolinas, and slowly moved northeastward early in the week. Light to moderate rain covered the East Coast States from the Carolinas to New England. Mostly clear skies allowed drying in the central and southern Plains and fieldwork resumed late in the week. Harvesting progressed in the Corn Belt and in the Southeast. Light showers fell in the central Plains during the last two days of the month and spread northward to the western Corn Belt. Most of the area east of the Mississippi river was near or cooler than normal, but the northern Plains and most of the West were much warmer than normal.

FIRST WEEK...Tropical moisture from the Pacific continued to pour into the Southwest and worsened the flooding in Arizona and New Mexico. The moisture moved eastward and began to flow northward through Texas and Oklahoma. Showers and thunderstorms in these areas favored seeding of fall grains. Moderate rain or showers extended northeastward to western New York and into Canada. Dry weather prevailed in most of the central Plains, the western two-thirds of the Corn Belt, and in the Southeast. Most of the Nation was warmer than normal. Only the northern Plains and parts of the southern Plateau were cooler than normal.

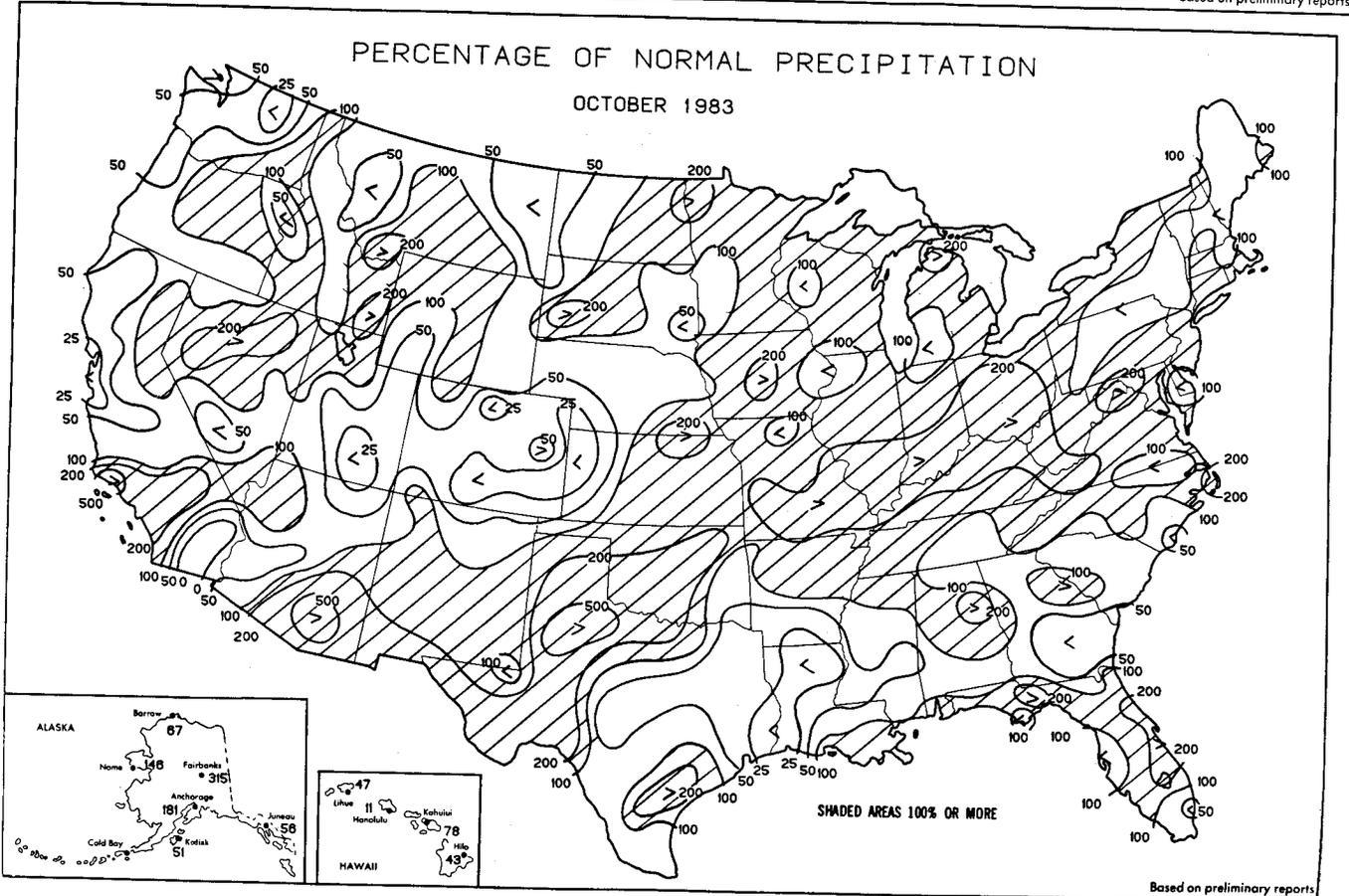
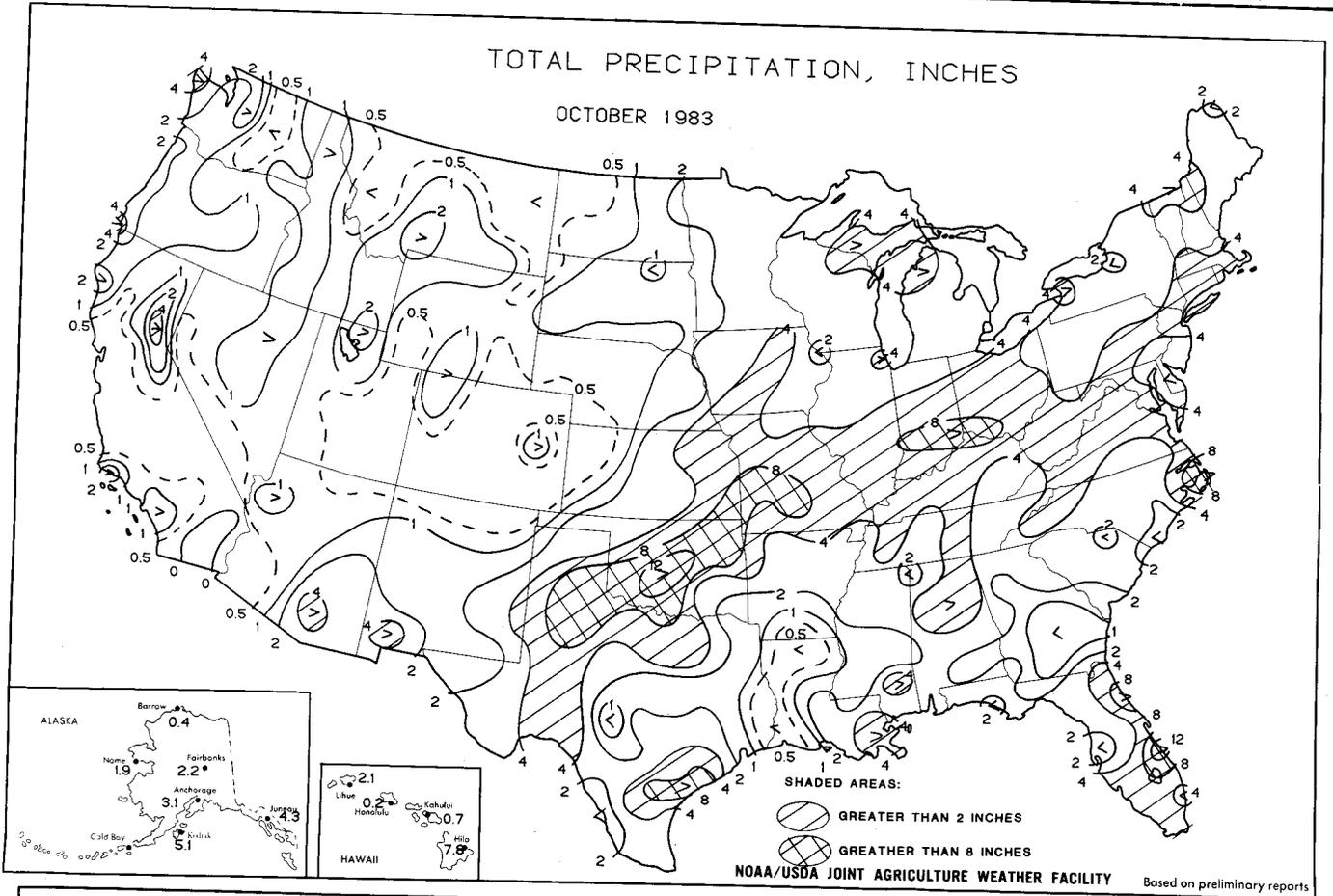
SECOND WEEK...A cold front moved out of the Rockies and eastward to the Atlantic Ocean. As the front encountered moisture from the Gulf of Mexico it triggered moderate to heavy showers and thunderstorms east of a line from southern Texas to Minnesota. Harvest of corn and soybeans was delayed, but the rain was beneficial for replenishing soil moisture. The western portion of the Plains had little or no precipitation and the dryness further delayed the seeding of winter grains. Much cooler weather moved in behind the front and average temperatures in the northern Plains and the lower Mississippi Valley were as much as 3-6° cooler than normal.

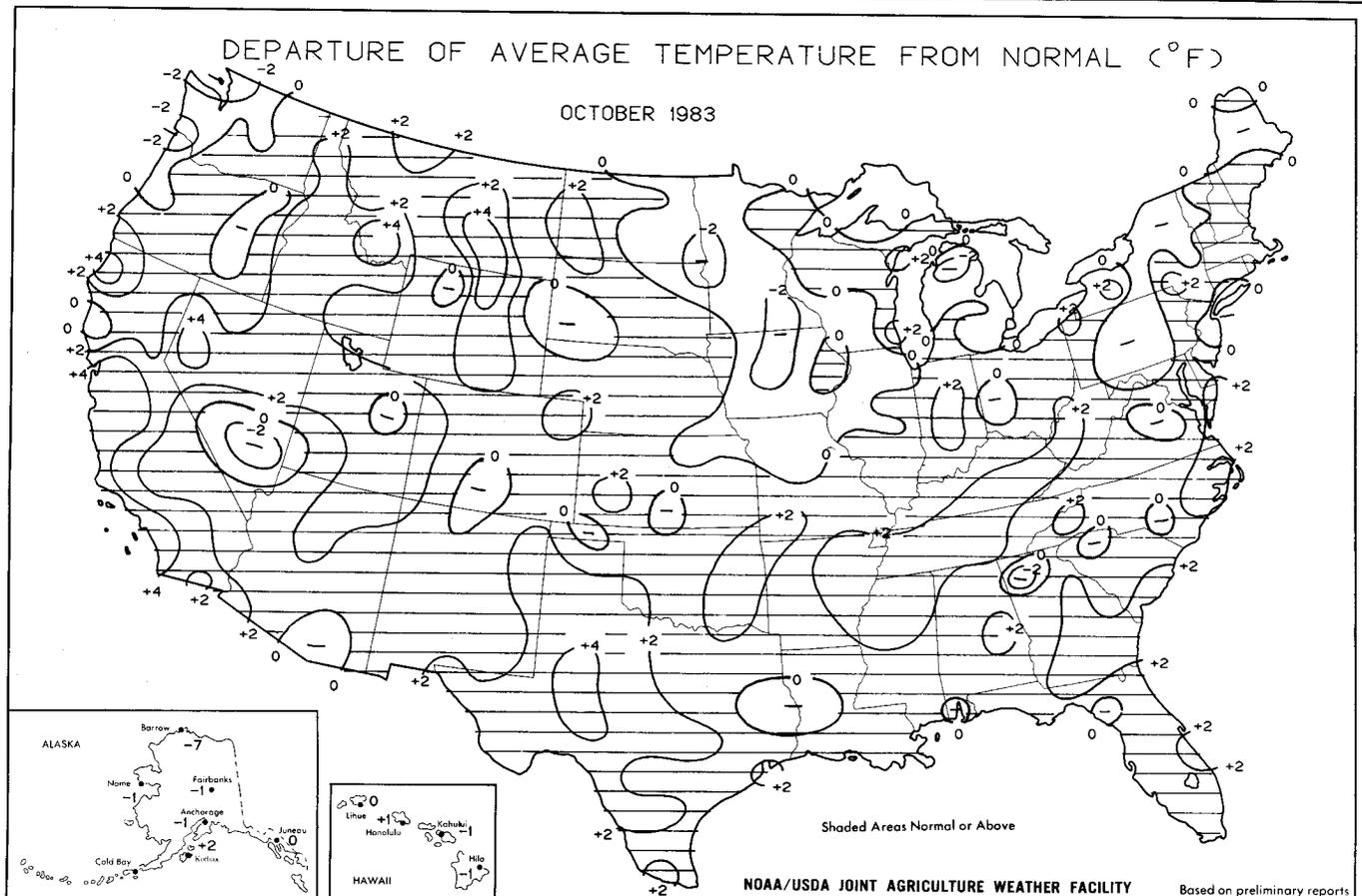
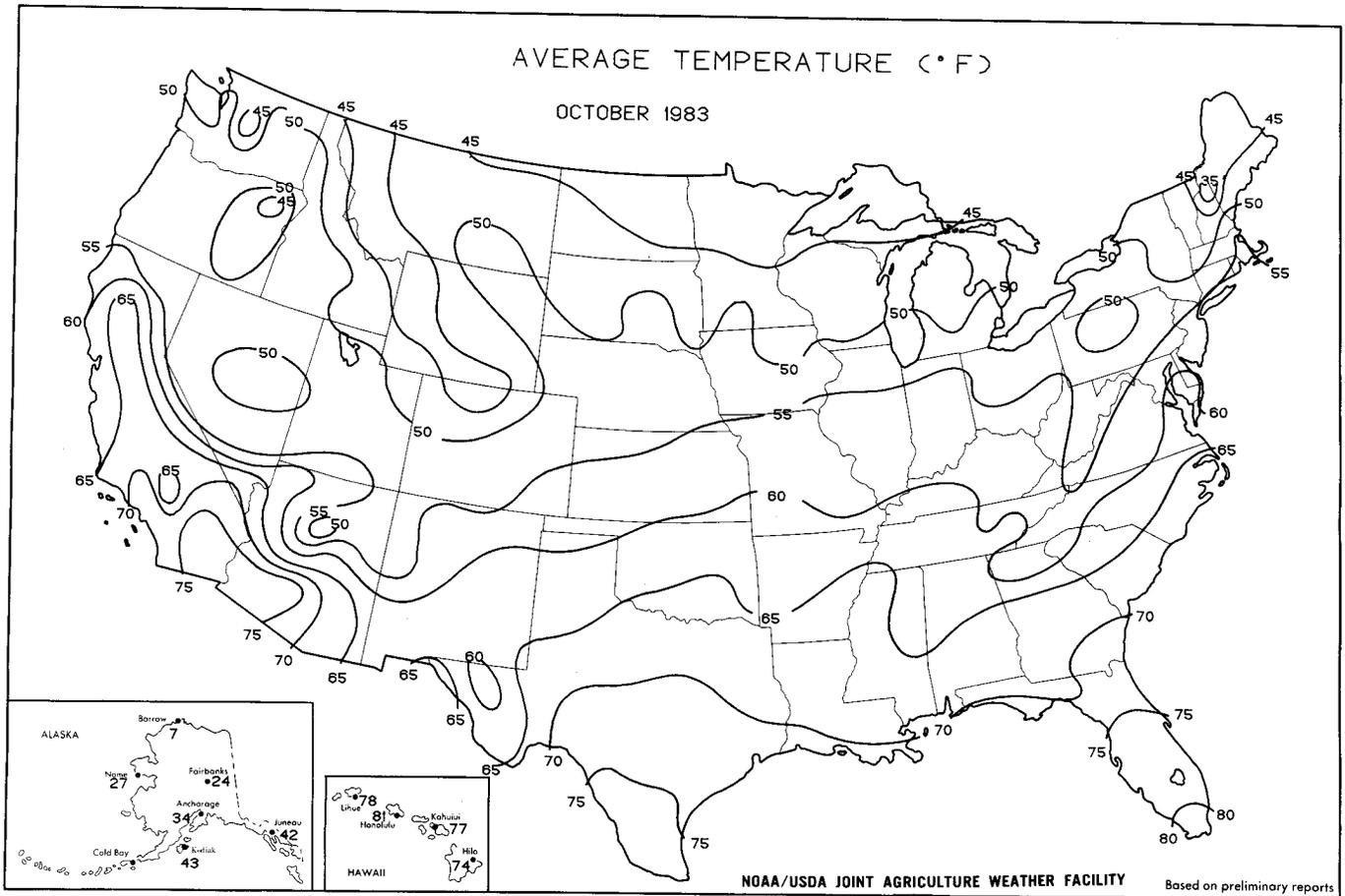
THIRD WEEK...Moisture from Hurricane Tico was propelled far northward before and after it made landfall on the west coast of Mexico and dissipated. The moisture triggered heavy showers in the very dry parts of western Texas, Oklahoma, and northeastward to the upper Ohio Valley. Deluges of rain washed out some newly-planted grain in Oklahoma, but the moisture benefited remaining grain and fields yet not planted. Parts of western Oklahoma, Kansas, and eastern Colorado missed the beneficial rain. Rain delayed harvesting across the Corn Belt. Average temperatures for the week were warmer than normal from southern Texas into Kentucky, but much cooler than normal in the central Plains and the mid-Atlantic States.

WINTER WHEAT SEEDING

Seeding of the 1984 winter wheat crop was 87 percent complete at the end of October, trailing 89 percent last year and the average of 90 percent. Planting was finished in Montana, Nebraska, and South Dakota and nearing completion in all other States except California, Missouri, Oregon, Oklahoma, and Texas. Plants had emerged on 72 percent of the acreage, compared with 71 percent a year earlier and the 78 percent average. Soil moisture was adequate except in eastern Colorado and western Kansas.

Eastern Kansas had good field conditions for seeding during October. However, dry conditions in western portions delayed planting and emergence. Planting advanced to 90 percent completion by the month's end. Stands were in fair condition in western counties and good to excellent in the east. Seventy-five percent of the acreage had emerged compared with the average of 90 percent. Lack of rain in early October hindered seeding in western Oklahoma, but widespread heavy rains late in the month substantially improved crop conditions Statewide. Some washed out fields had to be reseeded in southwestern and south-central counties. Seeding was 85 percent finished, trailing the average by 5 percentage points. Emergence reached 70 percent, compared with 65 percent average. Short moisture supplies hampered seeding in Texas until late October when heavy rains replenished soil moisture supplies. Growers had seeded 74 percent of their acreage by the end of October, 7 points behind average. Montana planting was finished and 90 percent of the acreage had emerged. Soils were slightly dry but stands were generally good. Seeding and emergence were slightly ahead of average in the Pacific Northwest. Open weather permitted rapid land preparation for small grain planting in California. Seeding was 20 percent complete, slightly behind the 23 percent average. Planting was ahead of normal in the Corn Belt. Emerged stands were generally in fair to good condition with adequate soil moisture.





Temperature and Precipitation Data for October 1983

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	63	0	4.1	1.5	LA BATON ROUGE	68	0	1.6	-1.0	YOLFBDO	52	0	3.6	1.6
MOBILE	67	-2	3.8	1.2	LAKE CHARLES	70	1	.2	-3.3	YOUNGSTOWN	52	0	3.6	.9
MONTGOMERY	67	2	3.6	.8	NEW ORLEANS	69	0	4.9	2.2	OK OKLAHOMA CITY	63	1	13.2	10.5
AK ANCHORAGE	34	-1	3.1	1.4	SHREVEPORT	67	0	.8	-1.8	TULSA	65	2	9.3	5.9
BARROW	7	-7	.4	-.2	ME CARIBOU	44	1	1.8	1.3	OR ASTORIA	50	-3	1.9	4.3
FAIRBANKS	24	-1	2.2	1.5	PORTLAND	48	0	3.4	-.4	BURNS	47	-1	1.1	-.2
JUNEAU	42	0	4.3	-2.6	MD BALTIMORE	57	0	3.6	.5	MEDFORD	54	0	1.2	-.5
KODIAK	43	2	5.1	-4.9	MA BOSTON	55	0	3.7	.3	PENDLETON	53	0	.8	-.2
NOMF	27	-1	1.9	-.6	CHATHAM	55	1	5.4	1.7	PORTLAND	54	0	2.0	-1.1
AZ FLAGSTAFF	49	2	.8	-.7	MI ALPENA	46	-1	3.9	1.9	SALEM	53	0	1.3	-2.0
PHOENIX	77	4	.7	.1	DETROIT	52	0	2.8	-.7	PA ALLENTOWN	54	1	4.8	1.7
TUCSON	69	-1	5.0	4.1	FLINT	52	1	2.6	-.5	ERIE	54	2	3.8	.4
WINSLOW	58	1	.7	-.2	GRAND RAPIDS	51	0	2.7	-.2	HARRISBURG	54	-1	4.2	1.5
YUMA	49	3	.2	-.1	HOUGHTON LAKE	47	-1	3.7	-.9	PHILADELPHIA	57	0	3.7	.9
AR FORT SMITH	64	1	5.0	1.7	LANSING	49	-2	2.6	.5	PITTSBURGH	53	0	3.7	1.2
LITTLE ROCK	65	2	2.9	.1	MARQUETTE	43	-1	5.8	2.5	RI PROVIDENCE	53	1	2.7	-.1
CA BAKERSFIELD	69	1	.2	-.1	MUSKOGON	50	-1	2.5	-.3	SC CHARLESTON	55	2	4.5	.7
EUREKA	58	4	1.9	-.8	SAULT STE. MARIE	45	0	3.7	.8	COLUMBIA	64	1	2.2	-.4
FRESNO	69	4	-.1	-.3	MN DULUTH	45	1	2.3	.1	GREENVILLE	59	-2	3.1	-.4
LOS ANGELES	70	4	-.9	-.6	INT'L FALLS	42	-1	2.6	.8	SD ABERDEEN	47	-1	.8	-.2
RED BLUFF	66	1	.4	-.8	MINNEAPOLIS	48	-2	2.6	.7	HURON	50	1	1.3	-.1
SAN DIEGO	72	4	.4	.3	ROCHESTER	47	-2	2.9	.8	RAPID CITY	49	-1	1.7	.9
SAN FRANCISCO	65	4	.1	-1.0	SAINT CLOUD	46	-1	3.1	1.0	ST LOUIS	49	0	.7	-.9
STOCKTON	67	2	.5	-.1	MS JACKSON	66	1	1.5	-1.1	TN CHATTANOOGA	61	3	2.6	.3
CO DENVER	53	1	.4	-.6	MERIDIAN	64	0	1.0	-1.6	KNOXVILLE	60	0	3.3	.6
GRAND JUNCTION	58	3	.4	-.5	MO COLUMBIA	56	-1	5.0	1.7	MEMPHIS	66	3	3.0	.6
PUEBLO	54	0	.2	-.6	KANSAS CITY	57	-1	3.9	.8	NASHVILLE	62	2	2.8	.2
CT BRIDGEPORT	55	-1	4.6	1.3	SAINT LOUIS	60	2	5.4	3.1	TX ARILENE	69	3	3.3	1.0
HARTFORD	53	1	5.5	2.0	SPRINGFIELD	60	2	6.7	3.5	AMARILLO	61	2	3.2	1.8
DC WASHINGTON	61	2	4.9	2.0	MT BILLINGS	53	4	1.3	.1	AUSTIN	72	2	2.8	-.6
FL APALACHICOLA	71	1	2.1	-1.1	GLASGOW	48	2	.2	-.4	BEAUMONT	70	0	.3	-3.3
DAYTONA BEACH	74	1	10.1	5.5	GREAT FALLS	49	1	.8	.0	BROWNSVILLE	76	1	2.5	-1.0
FORT MYERS	77	0	4.4	.5	HAYRE	47	1	.3	-.3	CORPUS CHRISTI	74	0	4.0	.8
JACKSONVILLE	71	1	4.3	.9	HELENA	46	1	.4	-.3	DEL RIO	73	2	5.1	2.7
KEY WEST	81	1	1.3	-3.5	KALISPELL	43	0	.8	-.3	EL PASO	67	3	1.5	.8
MIAMI	78	0	3.5	-3.6	MILES CITY	50	1	.3	-.6	FORT WORTH	68	0	4.0	1.5
ORLANDO	76	1	3.8	1.0	MISSOULA	44	0	.4	-.5	GALVESTON	75	2	1.3	-1.3
TALLAHASSEE	70	2	1.0	2.1	NE GRAND ISLAND	54	1	1.1	.0	HOUSTON	70	0	1.5	-2.7
TAMPA	76	1	1.7	-.6	LINCOLN	55	1	1.7	.0	LUBBOCK	64	3	10.8	9.0
WEST PALM BEACH	77	0	7.8	.0	NORFOLK	52	0	1.2	-.2	MIDLAND	68	4	4.7	3.3
GA ATLANTA	62	0	2.0	-.5	NORTH PLATTE	51	1	.6	-.3	SAN ANGELO	70	3	3.5	1.4
AUGUSTA	65	1	2.3	.3	OMAHA	53	-1	1.9	-.2	SAN ANTONIO	71	1	1.6	-1.5
MACON	67	2	.8	-1.2	VALENTINE	50	0	.7	-.1	VICTORIA	72	0	7.0	3.7
SAVANNAH	70	3	1.0	-1.3	NV ELY	48	2	.5	-.1	WACO	70	1	1.5	-1.6
HI HILO	74	-1	7.8	-2.2	LAS VEGAS	68	0	.3	.0	WICHITA FALLS	66	1	7.8	5.2
HONOLULU	81	1	.2	-1.7	RENO	54	4	.4	.1	BLANDING	54	2	.4	1.1
KAHULUI	77	-1	.7	-.2	WINNEHICCA	50	1	.7	.1	SALT LAKE CITY	56	3	1.6	.5
LIIHUE	78	1	2.1	-2.4	NH CONCORD	48	0	3.3	.2	BURLINGTON	48	0	4.4	1.2
ID BOISE	54	2	.6	-.2	NJ ATLANTIC CITY	56	0	3.5	.4	VA LYNCHBURG	58	1	6.0	2.6
LEWISTON	53	1	.9	-.1	NM ALBUQUERQUE	58	1	1.2	.3	NORFOLK	63	2	5.3	1.9
POCATELLO	49	1	1.2	.3	ROSWELL	--	--	--	--	RICHMOND	58	-1	4.0	.3
IL CAIRO	62	1	5.8	3.3	NY ALBANY	50	-1	2.2	-.7	ROANOKE	57	0	7.7	4.2
CHICAGO	53	-1	4.4	2.1	BINGHAMTON	51	2	2.6	-.4	WA COLVILLE	47	1	1.0	-.2
MOLINE	53	-1	2.4	-.3	BUFFALO	52	0	4.6	1.7	OMAK	51	4	.2	-.6
PEORIA	55	1	3.0	.5	NEW YORK	57	-1	7.3	4.1	QUILLAYUTE	48	-2	5.4	-5.1
ROCKFORD	51	-1	2.2	-.7	ROCHESTER	53	1	3.3	.8	SEATTLE-TACOMA	52	-1	1.3	-2.1
SPRINGFIELD	57	1	3.6	1.1	SYRACUSE	50	-1	2.0	-1.1	SPOKANE	50	2	1.3	.2
IN EVANSVILLE	59	0	5.6	3.1	ASHEVILLE	58	2	4.5	1.2	WALLA-WALLA	54	0	1.8	.4
FORT WAYNE	55	2	3.6	1.0	CHARLOTTE	61	0	2.4	-.3	YAKIMA	51	1	.2	-1.3
INDIANAPOLIS	58	3	3.9	1.4	CRENSBORO	58	0	4.1	.9	BECKLEY	52	0	4.5	2.0
SOUTH BEND	54	1	1.7	-1.5	HATTERAS	67	1	9.5	4.9	CHARLESTON	58	2	6.5	3.9
IA BURLINGTON	--	--	--	--	RALEIGH	60	0	3.6	.9	HUNTINGTON	57	1	5.7	3.3
DES MOINES	53	-1	5.5	3.3	WILMINGTON	66	1	1.0	-2.0	PARKERSBURG	--	--	--	--
DUBUQUE	51	0	1.8	-1.1	ND BISMARCK	45	-1	.8	.0	WI GREEN BAY	49	1	2.7	.1
STONX CITY	53	0	2.1	.4	FARGO	44	-2	1.6	.3	LA CROSSE	50	-1	3.4	1.3
KS CONCORDIA	56	-1	3.6	1.8	WILLISTON	47	2	.3	-.4	MADISON	48	-2	2.6	1.4
DODGE CITY	60	2	1.9	.6	OH AKRON-CANTON	54	1	3.2	1.0	MILWAUKEE	52	2	2.6	1.3
GOODLAND	53	0	.2	-.7	MI CINCINNATI	56	1	8.6	6.1	CASPER	50	3	.9	.0
TOPEKA	59	2	5.2	2.4	CLEVELAND	53	0	4.1	1.6	CHEYENNE	49	1	.5	-.2
WICHITA	59	0	3.0	.5	COLUMBUS	55	1	4.5	2.6	LANDER	49	2	.6	-1.6
WY LEXINGTON	59	2	6.1	3.9	DAYTON	54	-2	5.6	3.6	SHERIDAN	51	4	1.3	.1
LOUISVILLE	59	1	6.5	3.9					PR SAN JUAN	84	3	4.1	1.8	

Based on 1941-70 normals

National Agricultural Summary

October 31 to November 6

HIGHLIGHTS: Combining was delayed by widespread showers in portions of eastern Texas and the central Corn Belt. Elsewhere, generally open weather allowed rapid harvesting and seeding of small grains. Above-normal temperatures stimulated winter wheat and pasture growth across the Great Plains. Late in the week, generally heavy frosts ended vegetable growth as far south as the Tennessee Valley and North Carolina. Farmers in the Corn Belt had 1 to 4 days suitable for fieldwork. In other regions, 4 to 6 days were available. The Corn Belt had adequate to surplus soil moisture supplies. Supplies were rated short to mostly adequate in all other areas. Winter wheat was 92% seeded and 81% of the acreage had emerged; both were slightly behind normal. Corn combining reached 91% completion, 14 points ahead of the average. Soybeans were 77% harvested, 3 percentage points behind normal. Sorghum harvesting was 87% completed, ahead of the 81% average. Cotton picking reached 55% completion, 1 point ahead of normal. Vegetable harvests gained momentum in the extreme South, as frost ended vegetable growth in the North. Pastures improved as additional precipitation and warm temperatures prevailed in most areas. Livestock were rated fair to good. Supplemental feeding continued.

SMALL GRAINS: Winter wheat seeding in the 15 major producing States reached 92%, equal to a year earlier, and only 2 points behind the average. Seeding was finished or neared completion in all States except California, Missouri, Oklahoma, and Texas. Plants had emerged on 81% of the acreage, slightly behind the average of 83%. Emergence was slow in portions of Texas, eastern Colorado, and western Kansas due to dryness. Kansas wheat was in good to excellent condition, except in western counties where stands were mostly fair. Oklahoma's winter wheat improved because of the recent moisture and above-normal temperatures; 80% of the crop had emerged. Montana wheat was in good condition with 95% of the acreage emerged. More precipitation would be beneficial. In the Corn Belt, winter wheat was in mostly good condition with adequate soil moisture. Additional moisture caused increased growth of winter wheat in Texas. Planting resumed in portions of North Texas and the Plains as fields dried after recent rains.

CORN: Combining reached 91% completion in the 17 major producing States, ahead of last year's 68% and the average of 77%. Harvesting was equal to or ahead of schedule in all States except Kentucky and Virginia. Growers in Wisconsin harvested 21% of their acreage during the week; Michigan, 20%; Pennsylvania, 17%; Indiana, 13%; and Minnesota and Ohio 10% each. In contrast, harvesting was at a standstill in Missouri because fields were wet from heavy rains.

SOYBEANS: Harvesting advanced 8% during the week, reaching 77% completion in the 18 major producing States. This compares with 79% a year earlier and the average of 80%. Harvesting was ahead of normal in Indiana, Michigan, and Ohio; equaled the average in Illinois, Iowa, and Tennessee; but trailed the average elsewhere. Combining neared completion in portions of the Corn Belt and gained momentum in the South. During the week, growers in Kentucky harvested 21% of their acreage; Tennessee, 20%; and Arkansas, 18%. Generally open weather allowed rapid harvesting in the Delta States and the Southeast.

COTTON: Harvesting was 55% complete in the 14 major producing States, 3 points ahead of 1982, and 1 point ahead of normal. Progress was equal to or ahead of schedule in all States except California,

Georgia, New Mexico, and Oklahoma. Picking neared completion in Missouri and Tennessee but was only 10% finished in Oklahoma. Harvesting was slow as fields continued drying in the Blacklands and Cross-Timbers areas of Texas. Damp, cool conditions in these areas may further reduce quality and yields. Picking was at a virtual standstill in the Trans-Pecos regions. Defoliation was active in Arizona and California.

OTHER CROPS: Sorghum harvesting was 87% complete in the 7 major States, 6 points ahead of average. Progress was ahead of schedule in all States except Oklahoma and Texas. Harvesting neared completion in Colorado, Nebraska, and South Dakota.

Tobacco curing, grading, and marketing continued active. The burley crop in Tennessee was 40% stripped, while the Kentucky crop was 22% stripped. Fat stems and green tips were prevalent in the Kentucky crop. Flue-cured tobacco marketing was active in Virginia.

Peanut digging continued to lag the average in most areas. Digging was 99% complete in Georgia, 91% finished in Virginia, 77% complete in North Carolina, and 60% finished in Texas.

FRUITS AND NUTS: Apple picking neared completion. Florida's citrus groves were in very good to excellent condition with adequate moisture. Harvesting of fresh fruit was active but growers picked very little for processing. Citrus picking continued in the Rio Grande Valley of Texas. Shipments of early oranges gained momentum. The Navel orange harvest increased in Arizona's Salt River Valley. Lemon and grapefruit picking remained steady. Groves were in good condition and fruit was developing and sizing normally. Growers finished harvesting olives, pomegranates, and table grapes in California. The Navel orange harvest was just beginning while the Valencia harvest continued.

VEGETABLES: Late in the week, heavy frosts pushed southward into the Tennessee Valley and North Carolina halting vegetable growth. Florida's vegetable areas had favorable weather. Shipments rose 78% from the previous week. Harvesting gained seasonally for snap beans, cabbage, carrots, cucumbers, peppers, radishes, squash, and tomatoes. Strawberry transplanting was virtually complete. Light harvesting of celery and watermelons started. Texas producers harvested cucumbers, bell peppers, cabbage, sweetpotatoes, and potatoes. Fall vegetables made excellent growth. Lettuce harvesting increased in Arizona. Harvesting of a variety of vegetables gained momentum in the Salt River Valley. Movement of cantaloups, honeydews, and watermelons began tapering off.

California's broccoli harvest was fairly heavy in the Salinas-Watsonville area and moderate in the Santa Maria area. Heavy supplies of cauliflower were cut in the Salinas-Watsonville area while harvesting continued in Ventura County and the San Joaquin Valley. Celery cutting was heavy along the central coast and planting was active along the south coast. Lettuce harvesting was compete in the Salinas-Watsonville area, fairly light supplies were cut in the Santa Maria-Oceano area. Harvesting of fall potatoes was virtually complete in the Tulalake-Butte Valley, and digging continued in Riverside County. Picking of fresh market tomatoes continued in the San Joaquin Valley and was in full swing along the south coast.

PASTURES AND LIVESTOCK: Pastures and ranges were generally in fair to good condition, except in Kentucky, Tennessee, West Virginia, and portions of Texas where poor to fair conditions persisted. Some wheat pastures were available for grazing in

(continued on p. 20)

CROP PROGRESS

FOR WEEK ENDING NOV 6, 1983

	WINTER WHEAT % PLANTED		
	1983	1982	AVG.
CALIF	30	35	30
COLO	98	99	99
IDAHO	100	100	100
ILL	96	97	97
IND	97	98	90
KANS	95	99	97
MO	84	80	82
MONT	100	100	100
NEBR	100	100	100
OHIO	98	100	99
OKLA	90	85	95
OREG	92	95	93
S DAK	100	100	100
TEX	82	81	87
WASH	100	97	98
15 STATES	92	92	94

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

	WINTER WHEAT % EMERGED		
	1983	1982	AVG.
CALIF	15	20	20
COLO	82	95	92
IDAHO	92	88	88
ILL	85	84	83
IND	92	85	75
KANS	85	95	95
MO	70	65	68
MONT	95	85	85
NEBR	100	100	100
OHIO	85	90	80
OKLA	80	50	75
OREG	79	74	74
S DAK	100	100	100
TEX	60	58	69
WASH	96	93	93
15 STATES	81	78	83

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

	COTTON % HARVESTED		
	1983	1982	AVG.
ALA	86	80	75
ARIZ	45	45	45
ARK	89	85	74
CALIF	55	70	72
GA	50	66	76
LA	84	74	83
MISS	88	82	82
MO	96	100	80
N MEX	16	40	39
N C	82	62	68
OKLA	10	3	20
S C	90	78	83
TENN	94	90	66
TEX	40	31	35
14 STATES	55	52	54

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

	SOYBEANS % HARVESTED		
	1983	1982	AVG.
ALA	54	67	64
ARK	51	63	53
GA	39	49	48
ILL	98	98	98
IND	98	98	90
IOWA	97	91	97
KANS	70	85	80
KY	64	70	77
LA	75	68	79
MICH	90	96	83
MINN	92	86	93
MISS	53	65	65
MO	79	78	82
NEBR	94	94	97
N C	24	20	34
OHIO	95	98	90
S C	12	19	28
TENN	60	68	60
18 STATES	77	79	80

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

	SORGHUM % HARVESTED		
	1983	1982	AVG.
COLO	95	78	64
KANS	80	65	75
MO	88	75	78
NEBR	94	50	70
OKLA	50	55	60
S DAK	99	60	88
TEX	91	93	92
7 STATES	87	76	81

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

	CORN % HARVESTED		
	1983	1982	AVG.
COLO	88	53	64
GA	98	99	96
ILL	97	88	86
IND	93	85	75
IOWA	98	62	76
KANS	97	85	90
KY	81	85	86
MICH	70	70	60
MINN	94	43	65
MO	92	79	75
NEBR	94	50	85
N C	96	96	96
OHIO	75	85	70
PA	66	58	61
S DAK	96	43	80
VA	81	84	84
WIS	65	38	59
17 STATES	91	68	77

THESE 17 STATES PRODUCED 93%
OF THE 1982 CORN 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: Temperatures above normal midweek, colder over weekend. Rainfall none to 0.50 in.

Fieldwork: 6.1 days. Soybeans harvested 54%, 1982 67%, average 64%. Cotton harvested 86%, 1982 80%, average 75%. Sorghum harvested 84%, 1982 87%. Wheat seeded 54%, 1982 49%, average 65%. Conditions: Pastures, livestock, and wheat fair.

ARIZONA: Fair, warm weather except for cloudy to partly cloudy skies on 3rd and 4th as upper level low pressure system moved eastward across State and Mexico. Scattered light showers eastern half, chiefly over White Mountains, southeast. Amounts ranged 0.50 to 0.75 in. Average temperatures 4 to 9° above seasonal normals.

Heavy rainfall early October left range, pastures excellent condition. Warm temperatures, wet weather produced good grass, abundant stock water on ranges higher elevations. Midelevation ranges, pastures very good condition. Stock water supplies very good in areas where tanks not washed out by floods early October. Soil moisture, grass feed above average desert ranges, stock water plentiful. Most cattle, sheep very good condition. Cotton harvest full swing, 45% of acreage picked once, same as last year, average. Defoliation active. Corn, sorghum harvest increased Cochise, Graham counties, half finished Pinal County. Harvest nearly complete Maricopa, Yuma Counties. Land preparation, seeding wheat, barley active Yuma County, little progress other areas. Alfalfa grazed by sheep southern counties. Lettuce harvest underway Yuma, Lapaz Counties, volume increased Salt River Valley. Lettuce harvest winding down Willcox area, get underway Marana by November 12. Some lettuce showing signs of high whitefly populations, no signs of virus disease. Mixed vegetables picked near volume in Salt River Valley included greens, radishes, turnips, green onions, broccoli, cabbage, parsley, beets. Harvest honeydews, cantaloups near completion Parker area, small volume left Mohave County. Movement of cantaloups, honeydews, watermelons tapering off Yuma County. Lettuce, cauliflower, broccoli stands good, plant growth excellent. Navel orange picking increased Salt River Valley, volume light. Lemon, grapefruit picking continued steady Yuma, light volume Salt River Valley. Citrus groves good condition, fruit developing, sizing normally.

ARKANSAS: Rains toward end of week. Temperatures 2 to 10° above normal. High 85°, low 27°. Measurable rainfall all stations. Most 1.69 in.

Days suitable for fieldwork: 5.6. Crop growth moderate to slow. Soil moisture short southwest, adequate elsewhere. Soybeans poor to good condition, shedding leaves 97%, 97% 1982, 91% average; harvested 50%, 63% 1982, 53% average. Cotton fair condition; harvested 89%, 85% 1982, 74% average. Wheat good condition; planted 60%, 62% 1982, 61% average. Oats good condition; planted 82%, 82% 1982, 70% average. Pastures providing some forage. Cattle fair.

CALIFORNIA: All districts recorded mean temperatures well above normal. A warm air mass over the State resulted in zonal average temperatures of 5 to 7° above normal. Precipitation was evident at most locations, the heavier amounts being restricted to the northern districts.

Blue Canyon was the wet spot in the State with a 7-day total of 5.97 in.

Rain early in week delayed activities up to 3 days. Cotton harvest good progress. Now 55% complete, 70% year ago, average 72%. Few fields picked second time, few still defoliating. Shredding, discing active. Rice harvest nearly complete. Stubble burning progress good. Seeding small grains more active. Winter wheat 30% seeded, last year 35%, average 30%. Now 15% emerged, 20% last year and average. Corn and grain sorghum harvests good progress. Few late dry beans for harvest. Sugarbeets being dug. Final alfalfa hay cutting southern areas. Seeding new alfalfa. Growers fumigating land before winter planting. Olive, pomegranate, table grapes finished. The 1982-83 Valencias still going, 1983-84 navels started this week, with many just meeting sugar-acid ratios. Winter conditions favorable, intermittent showers for vegetable operations. Artichokes very light supply Central Coast, quality, appearance variable. Broccoli harvest continued Central Coast, fairly heavy supplies, good quality Salinas-Watsonville. Supplies moderate Santa Maria area, good quality. Harvest Ventura, Riverside Counties. Harvest melons increasing Desert, variable quality. Moderate supplies carrots Salinas, San Joaquin Valleys, quality variable. Cauliflower fairly heavy supply Salinas-Watsonville. Harvest continues Ventura County, San Joaquin Valley. Celery harvest fairly heavy Central Coast, quality variable. Planting active South Coast. Lettuce harvest finished Salinas-Watsonville, fairly light supplies Santa Maria-Oceano. Harvest Peak Huron area, heavy supplies, good yields. Decay problems due showers and warm temperatures. Harvest dehydrator onions complete Tulelake area. Transplanting spring crop active Stockton. Harvest fall potatoes virtually complete, Tulelake-Butte valley. Digging fall crop Riverside county average quality. Harvest bell peppers fairly light. Sweetpotato harvest winding down Atwater-Livingston. Harvest late fields market tomatoes continues San Joaquin Valley. Harvest full swing South Coast. Rain during week will be beneficial ranges, pastures. More rain needed to sustain growth. Supplemental feeding necessary same areas. Calving, lambing continue. Sheep being moved into alfalfa stubble fields.

COLORADO: Fair weather prevailed most of the week. Cool front moved through on 1st and 2nd, dropping temperatures and causing some scattered showers. Fair weather returned to end the week.

Winter wheat in fair condition: 98% seeded, 99% last year and average; 82% emerged, 95% last year, 92% average. Corn in good condition: 88% harvested, 53% last year, 64% average. Sorghum in fair condition: 95% harvested, 78% last year, 64% average. Statewide 6.5 days suitable for fieldwork. Topsoil moisture very short in southeast and northeast, adequate in northwest and short elsewhere. Subsoil moisture very short southeast, adequate on west slope and short elsewhere. Range and pasture conditions: Poor in southeast, fair in northeast and good remainder of State.

FLORIDA: A high pressure with northeast winds prevailed for most of the week. A few showers moved off the Atlantic into the Peninsula. Most amounts averaged 0.25 to 0.50 in. except

for a few spots along the southeast coast which received more than 1.00 in. A cold front accompanied by a few showers moved down the Peninsula late week. Rainfall amounts were light. Cooler by the 6th with low's into the mid-to-upper 30's, Panhandle and along Georgia border but temperatures moderated rapidly down the Peninsula. Temperatures averaged near normal.

Soil moisture short, most of Panhandle, few localities, upper Peninsula; mostly adequate elsewhere. A few east coast localities have surplus moisture, primarily from heavier rains earlier. Soybean harvest progressed rapidly; well advanced many areas. Peanut harvest about complete; limited mainly to late maturing fields. Cotton harvest well advanced. Sugar-cane cutting gaining. Early planted small grains established but need rain. Further grain planting halted or delayed over much of Panhandle, because of dry soils. However, light weekend showers beneficial, but more rain needed. Land preparation continues for later seedings of wheat, other grains. Pastures mostly poor to fair west central, north, Panhandle. However, conditions remain generally good to excellent elsewhere south. Small grain pastures being affected by dry weather in the north but making excellent growth in the south. Cattle in generally good condition Statewide. Citrus very good to excellent condition. Moisture adequate; a little irrigation. New growth slowing with cool temperatures, harvest of fresh fruit active; very little picking for processing. Caretakers active in preparation for the winter season. Favorable weather most vegetable growing areas beneficial to crop progress. Some locally heavy rains southeast. Mild days, cool nights prevailed. Shipments gained 78% from previous week. Harvest gaining seasonally snap beans, cabbage, carrots, cucumbers, peppers, radishes, squash, tomatoes. Light harvest continues lettuce. Escarole, sweet corn, eggplant harvest held steady. Harvest expected to gain seasonally most crops through December. Trans-planting strawberries mostly complete. Light harvest celery, watermelons underway. Potato seeding continues.

GEORGIA: Cool temperatures early in week, but otherwise rather mild. Temperatures 3 to 5° above normal. Locally heavy rain lower coast midperiod, with about 0.50 in. northern third near end of week but otherwise dry. Additional rainfall 5th and 6th less than 0.10 in., with cool temperatures.

Soil moisture: 22% very short, 44% short, 33% adequate. Average days suitable for fieldwork 5.6. Major activities: Harvesting, preparing land and planting small grains. Conditions: Cotton 20% poor, 53% fair, 27% good; soybeans 3% very poor, 20% poor, 65% fair, 11% good; pecans 3% very poor, 11% poor, 52% fair, 34% good; wheat 8% poor, 54% fair, 38% good; rye 10% poor, 54% fair, 34% good; other small grains 6% poor, 58% fair, 36% good; pastures 4% very poor, 15% poor, 50% fair, 30% good. Crop progress: Corn 98% harvested, 99% last year, 96% average; cotton 96% bolls open, 97% last year and average, 50% harvested, 66% last year, 76% average. Peanuts 99% dug, 100% last year and average; 97% threshed, 100% last year, 99% average. Soybeans 97% dropping leaves, 98% last year, 96% average, 39% harvested, 49% last year, 48% average. Wheat 34% planted, 27% last year, 37% average. Rye 74% seeded, 71% last year, 61% average. Other small grains 58% planted, 62% last year; 56% average. Apples 96% picked, 100% last year, 98% average. Pecans 18% harvested, 35% last year, 30% average.

HAWAII: Sunny skies with light to moderate showers provided beneficial growing conditions for agricultural areas in the State. Most rainfall was restricted to the morning and evening hours and at the higher elevations. Irrigation continued to promote normal crop growth in the drier regions. Spray programs to control insects and diseases were stepped up slightly. Head and Chinese cabbage supplies remain heavy. Other vegetable supplies light to moderate volume. Papaya production in full swing during this fall peak period.

IDAHO: Weak weather disturbances brought showery periods alternated with fair weather. Temperatures averaged 10° above normal at many locations. Precipitation averaged above normal with the heaviest rainfall in north where amounts over 0.50 in. were common. Some stations reported over 1.00 in. with Grangeville reporting 2.44 in. For the south, precipitation amounts were generally 0.10 to 0.33 in. with a few stations reporting nearly 0.50 in.

Sugarbeets and corn for grain harvesting continued but most crops have been harvested. Preparation of the soil for next spring's planting was underway. Livestock were coming off the range in good condition. Some fall calving was noted. Cattle were being weaned in several spots.

ILLINOIS: Temperatures 2 to 6° above normal. Precipitation 0.23 to 1.79 in.

Soil moisture 24% short, 65% adequate, 11% surplus. Days suitable fieldwork: 4.0. Corn 97% harvested, 1982 88%, average 86%. Soybeans 98% harvested, 1982 98%, average 98%. Wheat 96% planted, 1982 97%, average 97%; emerged 85%, 1982 84%, average 83%; condition 10% excellent, 64% good, 26% fair. Sorghum harvested for grain 90%, 1982 83%, average 84%. Fall plowing 52% complete, 1982 41%, average 45%. Pasture condition 7% excellent, 47% good, 39% fair, 7% poor; supplying 46% of livestock roughage requirements, 1982 55%, average 46%. Livestock condition good.

INDIANA: Temperatures averaged in mid 50's to low 60's for maximums and mid 30's to low 40's for minimums. Moderate freeze affects through about the northern half of State on 5th and 6th mornings. Precipitation amounts light to moderate ranging from 0.20 to 0.30 south to 0.40 to 0.50 north and east central sections.

Fieldwork averaged 4.1 days. Topsoil moisture adequate, subsoil moisture short to adequate. Corn 98% harvested, 1982 85%, average 75%. Corn moisture 20%, 1982 20%. Soybeans 98% combined, 1982 98%, average 90%. Soybean moisture 13%. Winter wheat 97% seeded, 1982 98%, average 90%. Wheat 92% emerged, 1982 85%, average 75%. Wheat stands good. Spring cropland 40% plowed, 1982 30%, average 30%. Apples 90% picked. Tobacco 15% processed for sale. Pastures mostly fair.

IOWA: A warm, moist week. Precipitation moderate to heavy over all but the northeast and north central where little-to-no rain fell. Foginess and cloudiness were in abundance. Soil temperatures averaged near 50° and evaporation averaged less than 0.10 in. per day.

Days suitable 3.7. Corn harvested 98%, 62% last year, 76% normal. Soybeans harvested 97%, 91% last year, 97% normal. Fall plowing 56%, 16% last year, 28% normal. Fertilizer applied 52%, 16% last year, 0% normal. Topsoil moisture 1% short, 78% adequate, 21% surplus. Subsoil moisture 26% short, 69% adequate, 5% surplus.

KANSAS: Precipitation averaged less than 0.25 in. west, 0.50 to 0.75 in. central and southeast and 1.25 to 1.50 in. northeast and east central. Temperatures averaged 54° northwest to 61° southeast, 9 to 11° above normal.

Sorghum 97% mature, 98% last year, 97% average; 80% harvested, 65% last year, 75% average. Soybeans 70% harvested, 85% last year, 80% average. Corn 97% harvested, 85% last year, 90% average. Wheat 95% planted, 99% last year, 97% average; 85% emerged, 95% last year, 95% average. Wheat condition ranges from fair to excellent, mostly good. Pastures and rangeland generally good. Some wheat pasture available, although many fields are soft from recent rain. Soil moisture short west, adequate elsewhere. Days suitable for fieldwork 2.0.

KENTUCKY: Temperatures averaged above normal, cooled end of week. Precipitation across State, but generally light amounts.

Soil moisture 87% adequate, 10% short, 3% surplus. Days suitable: 3.7. Burley 22% stripped, 24% year ago and average. Fat stems and green tips prevalent. Corn harvest 81% complete, 85% last year, 86% average. Soybeans 64% harvested, 70% last year, 77% average. Fall wheat 74% seeded, 78% last year and average, good condition. Some hay still being cut. Pastures improved.

LOUISIANA: Temperatures averaged 5 to 8° above normal. High 86°; low 39°. Rainfall 0.28 to 2.38 in. Statewide.

Soil moisture short to adequate but widespread rains over weekend should improve condition. Cotton harvested 84%, 74% 1982 and 83% average, condition fair. Soybean shedding virtually complete, 96% 1982. Soybeans harvested 75%, 68% 1982, 79% average, condition fair to good. Sweetpotato harvest 93%, 95% 1982, 94% average. Sugarcane planting 100%, same as 1982. Sugarcane harvest 36%, 36% 1982, 31% average, condition fair to good. Vegetables rated fair. Pecans harvested 17%, 27% 1982 and 29% average. Condition fair to good. Wheat planting 58%, 34% 1982, 59% average. Wheat emergence 35%, 19% 1982, condition poor to fair. Pastures rated fair. Livestock rated fair to good.

MARYLAND AND DELAWARE: Maryland: Light showers enabled farmers to work 5.3 days in their fields harvesting corn and soybeans and seeding small grains. At week's end 90% of the grain corn was harvested, last year 85%. Soybeans leaf shed 95%, 1983 and 1982. Soybean harvest 50%, last year 60%. Apple and fourth cutting other hay completed. Apple harvest one week later than 1982, other hay two weeks later. Small grain harvest picked up last week. Wheat seeding 95% complete, 100% last year and 4 days ahead of 1982. Rye planting at 95% is one week ahead of the 90% planted in 1982. Barley at 95% seeded is one week behind the 100% seeded last year. Oats at 90% seeded is one week later than the 95% seeded last year.

Delaware: Farmers worked 5.5 days in their fields but still lay behind last year's pace. Topsoil moisture adequate but subsoil moisture supply mostly short. Corn for grain 95% harvested, 100% last year. Soybean shed 95%, last year 100% shed leaves. Soybean harvest 65%; 85% in 1982. Barley 95% seeded; 100% 1982. Wheat 65% planted, 90% in 1982. Rye 65% in ground, 85% in 1982.

MICHIGAN: There were several contracts in weeks weather. Temperatures averaged 3° above normal. Yet one night was cold enough for light snow flurries to fall over parts of both the upper and lower Peninsula. Most areas had a 35 to 40° range from their low to high temperature. Precipitation was light except for the west central lower, where over 1.30 in. fell.

Statewide 4.0 days were suitable for fieldwork. Corn 70% harvested, 70% last year, 60% average. Soybeans 90% harvested, 96% last year, 83% average. Sugarbeets 95% harvested, 100% last year, 92% average. Fall apple picking virtually complete, while some vegetables remain to be harvested.

MINNESOTA: Temperatures averaged 5 to 9° above normal. High: 65°; low 14°. Precipitation averaged near normal to 0.14 in. above normal for west central and southwest and 0.18 to 0.38 in. below normal elsewhere.

Another mostly mild, dry week enabled farmers to finish nearly all planned fall fieldwork. Days suitable for fieldwork: 4.8. Topsoil moisture: 2% short, 82% adequate, 16% surplus. Field corn: Harvested 94%, 1982 43%, normal 65%; moisture content 20%, 1982 25%, normal 22%; land plowed 70%, 1982 17%, normal 37%. Soybeans: Harvested 92%, 1982 86%, normal 93%; moisture content 14%, 1982 14%, normal 12%; land plowed 66%, 1982 45%, normal 63%. Sunflowers: Harvested 89%, 1982 59%, normal 82%.

MISSISSIPPI: Average temperatures slightly above normal, extremes 26 and 83°. Greatest 24-hour rainfall 1.34 in.

Soil moisture short in southern area of State, adequate in other areas. Fieldwork 5.5 days suitable, 4.5 1982, 5.0 average. Soybeans fair to poor condition; 53% harvested, 65% 1982 and average. Cotton fair; 88% harvested, 82% 1982 and average. Rice 98% harvested, 98% 1982. Sorghum 96% harvested, 98% average. Peanuts 90% harvested, 98% 1982. Sweetpotatoes 79% harvested, 92% 1982. Pecans fair to good; 16% harvested, 41% 1982, 32% average. Wheat 60% seeded this year and average, 47% 1982. Pastures in fair condition.

MISSOURI: Temperatures averaged 7° above normal for the State. Heavy rains on 1st and 3rd caused some flooding in central areas, with a total of 4.00 to 6.00 in. being recorded.

Days suitable for fieldwork: 1.5. Corn 92% harvested, 79% last year and 75% normal. Grain sorghum 88% harvested, 75% last year and 78% normal. Soybeans 79% harvested, 78% last year and 82% normal. Winter wheat 84% seeded, 80% last year and 82% normal. Plowing for spring crops 47% completed, 41% last year and 41% normal. Cotton 92% harvested, 100% last year and 80% normal. Pasture condition 8% poor, 63% fair, 28% good, and 1% excellent. Topsoil moisture supplies 1% short, 61% adequate and 38% surplus.

MONTANA: Very mild week as temperatures averaged 10 to 15° above normal in most areas. Significant precipitation in west to southwest, with 0.25 in. over most areas. Some areas received 1.00 to 2.00 in. precipitation.

Winter wheat mostly emerged--condition good. More precipitation needed. Harvest of all crops virtually complete. Livestock movement to market slow.

NEBRASKA: Mild week with scattered thunder-showers at midweek. Accumulations less than 0.10 in. western half of State, 0.50 to 1.25 in. elsewhere. Temperatures 7 to 14° above normal.

Corn harvest 94%, 50% last year and 70% average. Field losses lower than earlier expectations. Soybeans 94% harvested, 94% last year and 97% average. Sorghum 94% combined, 50% last year and 85% average. Considerable new green growth making final sorghum harvest wind-up difficult. Winter wheat mostly good to fair. Winter wheat conditions extremely variable. Pasture and range feed mostly adequate to short. Days suitable for fieldwork 4.6.

NEVADA: Early part of week sunny and warm -- but beginning of November brought end of "Indian Summer." A series of storm fronts moved across State but confined mostly to northern areas and Sierras. Rain recorded valley floors, snow at highest elevations. Clouds kept night temperatures above normal. Daytime temperatures well above seasonal normals. Colder air moved in end of period.

Movement cattle and sheep to winter areas slower than year ago. Grazing continued at near record high levels most areas. Movement cattle to market light to date.

NEW ENGLAND: Temperatures averaged 3 to 6° below normal in Vermont, near normal elsewhere. Rainfall was heavy throughout eastern New Hampshire, southwestern and extreme northwestern Maine, with most areas reporting 3.00 in. or more. Portland, Maine received 4.29 in., and coastal New Hampshire recorded 5.40 in. Precipitation was less in extreme southern New England.

NEW JERSEY: Temperatures 6° below normal, averaging 41° north, 44° south and 46° coastal. Extremes 17 and 69°. Precipitation well below normal, averaging 0.12 in. north, 0.26 in. south and 0.28 in. coastal. The heaviest 24-hour total reported 0.65 in. on 3rd to 4th.

Fieldwork: 6.5 days suitable for fieldwork. Soil moisture adequate. Heavy frosts have stopped fall vegetable harvest. Irish and sweetpotato harvest essentially complete. Corn and soybean harvest continued. Fall sown grains continue in good condition.

NEW MEXICO: Average temperatures above normal Statewide. Minimum temperature - 20° northern mountains. Maximum temperature - 80°, southern desert and northeastern Plains. Slow moving weather disturbance northern Mexico spread substantial rains over southern half of State.

Soil moisture supplies adequate. Cotton picked: 16% current, 40% last year, 39% average. Wet conditions halted harvest progress. Alfalfa fields damaged by rains, little cutting activity, same with grain sorghum harvest. Some fields lodged. Corn harvest 90% complete. Still some fall seeding of wheat, barley. Improving tanks on dryland fields due to rains. Irrigated fields good condition. Peanuts 90% dug, little threshed. Moisture too high. Apple harvest finishing up south. Red chile harvest slowed by rains. Ranges showing late growth - of little benefit to ranchers this year, rated fair. Cattle, sheep good. Conception rates down in drought areas.

NEW YORK: Temperatures averaged near normal. Precipitation light in southeast, near normal in west, heavy in north. Mild at midweek, sharply cooler by weekend. Precipitation

heavy on 4th, 6 in. of snow in Adirondack region. Heaviest precipitation was in St. Lawrence and Champlain Valleys, 1.50 to 1.55 in. In contrast, Catskills and Hudson Valley averaged near 0.25 in.

NORTH CAROLINA: Temperatures near normal in the west but 4° below over the Piedmont. Precipitation mostly light, nearly 1.00 in. in the central coast area.

Soil moisture 8% very short, 29% short, 58% adequate, 5% surplus. Days suitable for fieldwork: 5.6. Condition: Peanuts: 25% poor, 70% fair, 5% good. Soybeans: 25% poor, 66% fair, 9% good. Sweetpotatoes: 10% poor, 74% fair, 16% good. Phenological stages: Soybean leaf drop: 74%, 1982 86%, average 82%. Harvests: Corn for grain: 96%, 1982 96%, average 96%. Apples: 90%, 1982 100%, average 98%. Sorghum harvest: 86%, 1982 86%, average 84%. Sweetpotatoes: 88%, 1982 91%, average 94%. Peanuts dug: 77%, 1982 98%, average 100%. Peanuts threshed: 57%, 1982 95%, average 98%. Major farm activities: Seeding small grains, soybean harvest, cotton harvest, combining of corn for grain, preparation of land for fall seeding cover crops, sweetpotato harvest, and cutting fire wood.

NORTH DAKOTA: The week averaged much warmer and a little wetter than normal. Average temperatures 10° above normal and ranged from 43 to 50°. Temperature extremes ranged from 22° on 31st to 74° on 1st. Precipitation widespread and generally a little above average, ranging from a trace east central to near 0.40 in. northwest. Greatest amount was 0.59 in.

Harvests of all remaining crops about complete. Corn and sunflower harvests well ahead of normal, soybeans and dry beans about normal. The percent harvested compared to last year and average: sunflower 97, 51, 75; corn grain 98, 66, 80; soybeans, 99, 89, 96; dry beans 99, 96, 99. Topsoil moisture supplies averaged above normal with 28% short, 72% adequate. Subsoil moisture supplies averaged slightly below normal with 59% short or very short, 41% adequate.

OHIO: Temperatures 1 to 4° above normal. Ranged mid-20's to low 70's. Precipitation 0.40 to 1.50 in.

Harvest slowed by late week rains. Corn grain condition fair to good, 21% moisture. Soybean oilseed quality fair to good. Emerged wheat good. Tobacco 15% stripped. Corn harvested 75%, 85% 1982, 70% average. Soybeans harvested 95%, 98% 1982, 90% average. Winter wheat planted 98%, 100% 1982, 99%; emerged 85% 1982, 80% average. Days favorable: 3.5. Pasture condition fair to good. Soil moisture 49% adequate, 51% surplus.

OKLAHOMA: Temperatures averaged from 8° above normal southwest to 11° above normal northeast. Rainfall ranged from 0.14 in. east central to 0.57 in. south central.

Wheat pasture improved due to recent moisture and above normal temperatures. Many fields now ready for pasture. Wet fields prevented row crop harvesting. Pasture and ranges in good to fair condition. Livestock in good condition. Wheat planted: 90%, 85% 1982, 95% average; emerged: 80%, 50% 1982, 75% average. Sorghum harvested: 50%, 55% 1982, 60% average. Cotton harvested: 10%, 3% 1982, 20% average.

OREGON: A wet, mild week with up to 5.00 in. precipitation along northern coast and 3.30 in. along southern coast. An average of 2.40 in.

precipitation in Willamette Valley; up to 0.90 in. in north central areas; and 0.50 in. in remainder of State. Temperatures ranged from 4° above average at coast to 11° above average in central areas. Extreme eastern portions were 10° above average.

Winter wheat 92% seeded compared with 95% last year and an average of 93%. About 80% emerged versus 74% in 1982 and an average. Walnut harvest nearly complete; yields below last year's but quality good. Cranberry harvest complete; although yields were low the crop's quality was good to excellent. Harvest of corn for grain and sugarbeets winding down in Malheur County. Soil moisture supplies around the State adequate to surplus. Range and pasture conditions continue to improve due to recent rains; overall condition good to excellent. Livestock condition also good to excellent.

PENNSYLVANIA: Week began and ended rather cool. Warming trend midweek. Average temperature 1° below the normal of 44°. First general snowfall of the season in northern counties. Depth was a trace to 3 in. Precipitation was heaviest in western counties with amounts ranging from 0.50 in. to just over 0.20 in. Amounts in the east were 0.10 to 0.25 in. State average was 0.25 in. below the normal of 0.73 in.

Days suitable: 5.0. Moisture mostly adequate. Activities: Plowing: seeding wheat and rye; making hay; repairing equipment; fixing fences; spreading fertilizer and lime; baling stover; and harvesting grain corn, soybeans, green chop, cabbage, and apples. Soybeans 63% harvested; last year 67%. Corn for grain 66% harvested; last year 58%; average 61%. Fall plowing 94% complete, last year virtually complete at this time. Wheat planting virtually complete, about a week later than last year. Fourth crop alfalfa 92% harvested, last year 84%. Quality of hay made fair to good. Feed from pastures average to below average.

PUERTO RICO: Island average rainfall 3.23 in. or 1.60 in. above normal. Highest weekly total 6.84 in. Highest 24-hour total 3.80 in. Temperature averaged about 79 to 77° on coasts and 74 to 72° Interior Divisions. Mean station temperature ranged from 80.9 to 65.5°. Extremes 92 and 59°.

SOUTH CAROLINA: Light precipitation late in week. Temperatures mild first part of the week, frost or freezing temperatures late week.

Soil moisture short to adequate. Days for fieldwork: 5.4. Cotton 90% harvested, 78% last year, 83% average. Soybean leaf drop 92%, 95% last year, 82% average; 50% mature, 72% last year, 71% average; conditions poor to fair with 12% harvested, 19% last year, 28% average. Winter grazing fair to good condition, 90% planted, 2% last year, 84% average; 79% emerged, 78% last year, 70% average. Pastures fair condition and livestock fair to good condition.

SOUTH DAKOTA: Average temperatures 4 to 15° above normal. Extremes: 79 and 19°. Moderate to heavy rain central and eastern regions midweek. Greatest amount 1.40 in. each central. West mostly dry.

Farmers utilized available days to finish up fall harvest. Other activities included fall tillage and fertilizer applications, mending fences, moving cattle, building repair, and other preparations for winter. Days suitable for fieldwork: 4.6. Winter grains very good in eastern growing regions. Winter wheat short

and spotty in western regions. Winter wheat planted 100%, 1982 100%, average 100%. Winter wheat emerged 100%, 1982 100%, average 100%. Sorghum harvested 99%, 1982 60%, average 88%. Corn harvested 96%, 1982 43%, average 80%. Sunflowers harvested 95%, 1982 65%, average 85%. Soybeans harvested 96%, 1982 87%, average 96%.

TENNESSEE: Warm, dry weather persisted across the State through midweek before yielding to a cold front that brought significant and widespread rains to most sections of the State. Temperature readings ranged from 27° in the east to 79° in the west. Precipitation levels ranged from 2.00 in. in the west to 0.20 in. in the east.

Days suitable for fieldwork: 4.0. Soil moisture 4% surplus, 67% adequate, 25% short, 4% critically short. Corn harvested 82%, 1982 83%, average 76%. Cotton harvested 94%, 1982 100%, average 66%. Soybeans harvested 60%, 1982 68%, average 60%. Burley tobacco stripped 40%, 1982 54%, average 53%. Wheat sown 63%, 1982 75%, average 75%. Pastures 20% poor, 73% fair, 7% good. Livestock good.

TEXAS: High pressure resulted in sunny, warm weather most of State. By midweek widespread shower, thunderstorm activity across State. Average temperatures 9 to 11° above normal Statewide. Precipitation above normal Statewide.

Crops: State enjoyed generally fair weather. Fieldwork progress slow as portions of North Texas, Plains drying from recent rains. Additional moisture helped planting, development of small grains. Cotton harvest continued, Plains, Blacklands, Cross Timbers still drying from recent rains. Damp, cool conditions in these areas may further hurt yields, quality. Other areas, harvest active as weather, field conditions permitted. Trans-Pecos region, harvest at a virtual standstill. Statewide condition 47% of normal compared to 60% a year ago. Currently, 2% reported excellent; 6% good; 53% fair and 39% poor. Sorghum harvest also moving slow. Plains remained wet, inaccessible to harvesting equipment. Damp, cool conditions could cause deterioration. Small grains benefited from recent rains, planting resumed. Early planted fields developing well.

Volunteer wheat appearing, could become problem. Soybean harvest slowed by wet fields. High Plains still drying out, bean harvest here, East Texas limited by weather. Yields varied widely.

Cotton open bolls 95%, 87% 1982, 89% average; harvested 40%, 31% 1982, 35% average. Sorghum mature 100%, 99% 1982, 100% average; harvested for grain 91%, 93% 1982, 92% average. Wheat planted all purposes 82%, 81% 1982, 87% average; emerged 60%, 58% 1982, 69% average. Peanuts harvested 60%, 26% 1982, 32% average. Soybeans harvested 50%, 49% 1982, 60% average. Sugarbeets harvested 62%, 63% 1982, 46% average. Pecans harvested 23%, 23% 1982, 19% average. Sunflowers harvested 86%, 87% 1982, 83% average. Oats planted for all purposes 77%, 70% 1982, 82% average.

Commercial vegetables: Rio Grande Valley, fall vegetables progressing well. Harvest of cucumbers, bell peppers continues. Citrus harvest continued, shipments of early oranges picking up. Coastal Bend, fall planting resumed. Cucumber harvest continued. East Texas, fall vegetables developing well. Sweetpotato harvest active, potatoes still showing only fair quality. San Antonio-Winter Garden, cabbage, carrots making excellent growth. Trans-Pecos, bell pepper, cabbage harvest active. Pecan harvest in full swing. Activity centered

in Rio Grande Valley, South Texas.

Range and livestock: Texas' range, pasture condition remains poor in many areas. Growth of native grasses slow. Grazing limited or non-existent, supplemental feeding heavy. West Texas still remains under drought like conditions, may face shortage of supplemental feed. Livestock in good condition.

UTAH: Recurring period of precipitation averaged 1.50 in. northwest half State and 0.05 in. southeast half. Temperatures averaged 8° above normal, ranging 3 to 12° above.

Winter wheat seeding virtually complete. Potato and onion harvest winding down. Apple picking, sorting and marketing continued. Livestock condition good. Range beef supplies on winter ranges excellent.

VIRGINIA: Mild temperatures at beginning of week with a slight cooling trend the latter part. Temperatures normal to slightly below. Precipitation less than 0.25 in.

Mild temperatures and light showers raised days suitable for fieldwork to 4.8. Topsoil moisture was 10% short, 85% adequate, 5% surplus. Corn harvest progressed to 81% complete compared with 84% last year and average. Peanut digging leaped to 91% complete compared with 100% last year and 98% average. Combining jumped to 70% complete compared with 100% last year and 94% average. Late period frosts and frost forecasts slowed weekend digging but sped up combining. Soybean harvest was 27% complete, 52% last year and 44% average. Flue tobacco marketing active. Fire and burley curing and preparation for marketing active. Small grain seeding was still running behind normal. Livestock were in good condition with marketing active.

WASHINGTON: Strong southwesterly flow in higher levels pushed frontal systems across State on 30th, 1st, and 3rd with greatest rainfall totals associated with 3rd's passage. Strong winds accompanied frontal systems and several of thunderstorms that occurred over State. This was wet and warm week as both temperatures and rainfall totals were well above seasonal normals.

Some wheat still being seeded. Rains helped germinate early-seeded fields. Emerged fields above average condition. Potato harvesting nearly complete. Corn harvesting continues. Post harvest orchard clean-up in operation. Treatments for gophers and mice being applied along with fertilizer and herbicides. Grape harvesting complete. Weather slowed harvesting activity. Digging carrots and harvesting winter squash continues. Livestock in good condition and feeding on winter ranges. West side, cattle coming in and dairymen applying lime to pastures. Winter wheat planted 100%, 97% 1982, 98% average; emerged 96%, 93% 1982, 93% average.

WEST VIRGINIA: Temperatures above normal in the northwest, north central and southwest, normal in the south and below normal in the central and northeast. Low 21°, high 75°. Precipitation near normal in the northwest, north central and southwest; below normal in the south and northeast.

Soil moisture short to adequate. Days worked averaged 4.4. Main activities: Corn harvesting and general maintenance. Corn 100% mature, 83% harvested. Pastures fair to poor.

WISCONSIN: Good drying weather continued during week. Except light rain fell on 1st in the south. Highest amounts 0.30 in. Mild temperatures for the week. Generally 50's and 60's in central and southern portions. Cool air on 3rd and 4th 40's or low 50's dropped into teens and 20's. Highest temperatures 67° in the southwest corner of the State on 2nd; lowest at Phillips reporting 15° on 4th.

Soil moisture Statewide, 81% adequate, 19% wet. Corn harvesting 65% complete, 38% last year and 59% average. Soybean acreage harvested 77%, last year 68%, average 76%. Fall plowing half complete, compared to 23% last year and average 37%. Pasture condition 89% of normal.

WYOMING: Temperatures much above seasonal normals. Precipitation below normal across the State.

Winter wheat fair to mostly good condition. Additional moisture will be needed for optimum development. Most potatoes, sugarbeets harvested. Harvesting corn for grain continues at a rapid pace ahead of normal. Livestock mostly good condition. Hay supplies adequate most areas.

(continued from p. 13)

Kansas and Oklahoma, but many fields were soft from recent rain. Growth of native grasses was slow in Texas. Grazing was limited and supplemental feeding continued to be heavy. Livestock continued in fair to good condition.

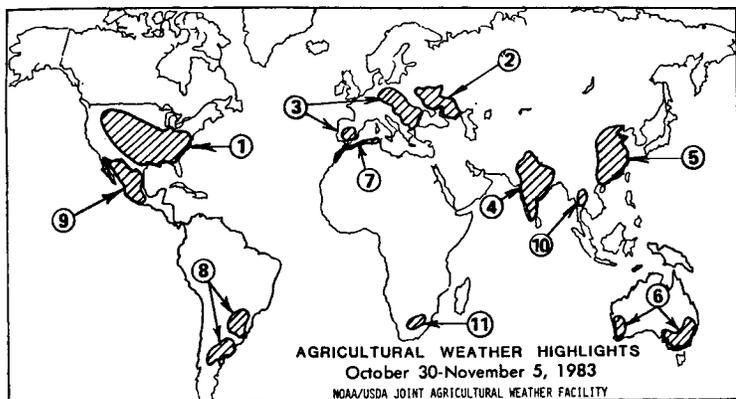
National Weather Summary (continued from front cover)

FRIDAY...The cold air brought freezing temperatures to the upper Mississippi Valley, the Great Lakes region as far south as the Ohio River, and into the Northeast to West Virginia. Snow whitened the ground in parts of New York, Pennsylvania, and West Virginia. Some moderate rain fell in New England, and light rain or showers covered the eastern States and across the South to New Mexico. There were isolated areas of moderate thunderstorms across the South.

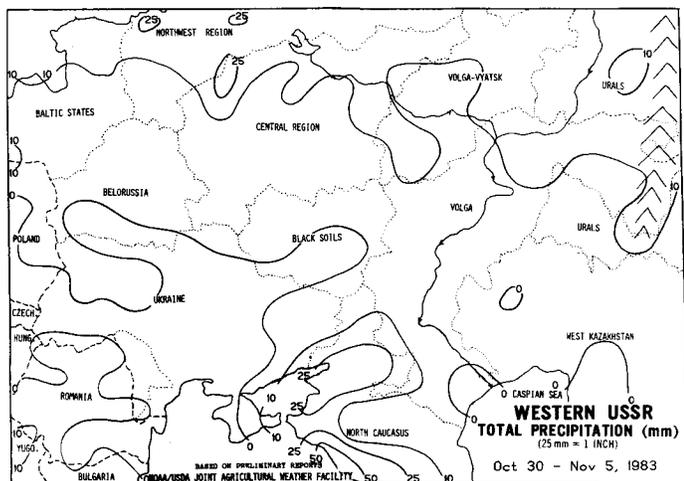
SATURDAY...Freezing temperatures reached southward to Tennessee and North Carolina. Very cold weather spread through the western Great Lakes region. A low-pressure system off the coast of New England produced heavy rain along the coast and heavy snow in southern New York and western Pennsylvania. Late in the day, moderate thunderstorms developed in southeastern Texas and light showers spread northward through the Plains.

International Weather and Crop Summary

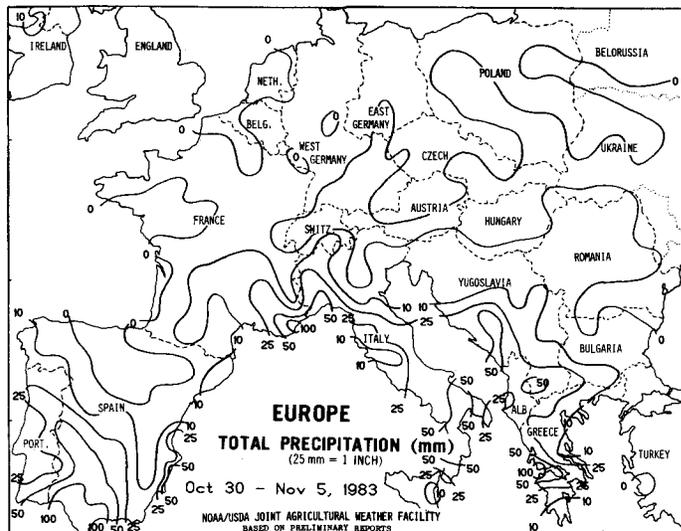
October 30 to November 5



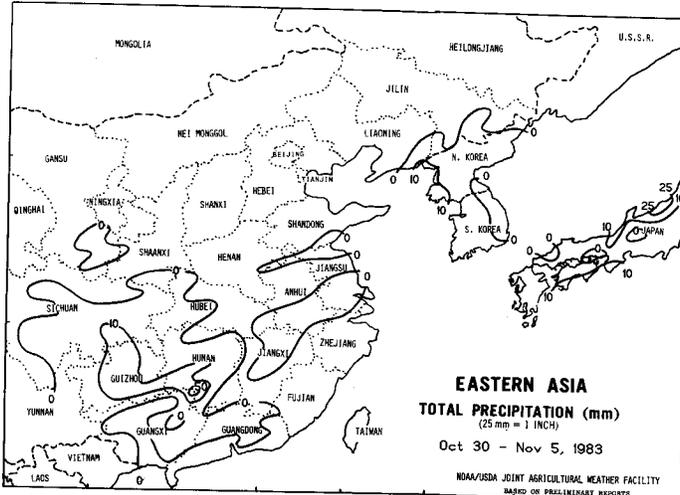
1. UNITED STATES ... Rains over the western Corn Belt and parts of the southern Plains delay harvesting and seeding while sunny conditions favor field activities in the Southeast. Unseasonable warmth over the western half of the Nation aids pastures and winter grains.
2. WESTERN USSR ... Showers improve conditions for winter grains in the north Caucasus. Patchy dryness still exists in the Ukraine and Black Soils.
3. EUROPE ... Significant precipitation saturates topsoils in southern Spain and will likely promote winter grain planting. Showers are needed for winter grains in eastern Europe.
4. SOUTH ASIA ... Precipitation benefits late planted crops in the south. Dry weather favors maturing summer crops in central India. Good conditions exist for early wheat growth.
5. EASTERN ASIA ... Mostly favorable weather exists for summer crop harvesting and maturation of late double-cropped rice. Mild temperatures are promoting good early growth of winter wheat.
6. AUSTRALIA ... Showers slow the wheat harvest in southeastern Queensland but minimal rain falls further south where wheat is in the grain-filling stage. Crop prospects are good but continued dryness in the west may lower the yield potential.
7. NORTHWESTERN AFRICA ... Showers improve topsoil moisture for winter grain planting in Morocco and maintain favorable conditions for planting in northeastern Algeria and northern Tunisia.
8. SOUTH AMERICA ... Wet weather halts wheat harvesting and soybean planting in Brazil. Soybean planting ranges from 10 percent in Rio Grande do Sul to over 50 percent in Sao Paulo. Mild and generally dry weather aids crop development in Argentina.
9. MEXICO ... A few showers slightly interfere with harvesting in the southern Plateau corn belt and along the west coast.
10. SOUTHEAST ASIA ... Rain continues in central Thailand but no damage is expected to the rice crop.
11. SOUTH AFRICA ... Moderate rain aids planting progress in the central corn area. The western Maize Triangle needs more rain.



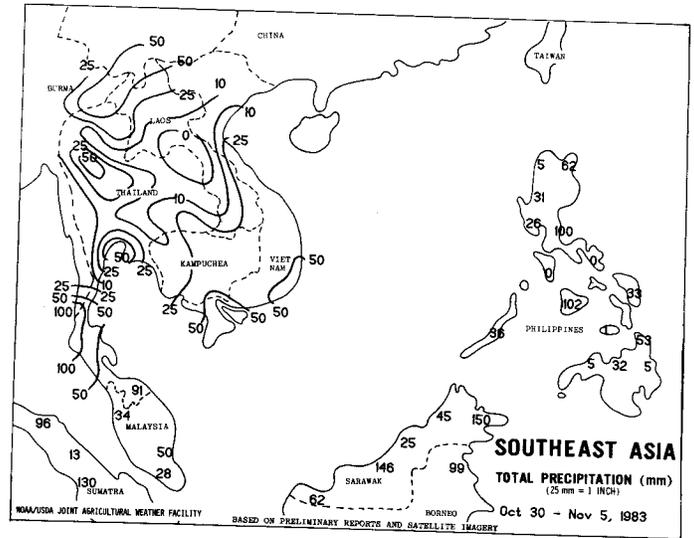
WESTERN USSR...Beneficial showers covered a large portion of the winter wheat area in the North Caucasus bringing relief from unfavorable dryness. Rainfall amounts ranged from 10 to 25 mm, which will aid emergence and benefit early plant growth. In contrast, generally dry weather covered much of the Ukraine. Winter grains in the western and northern Ukraine should have adequate moisture for early growth, but patchy dryness exists in the southern and eastern Ukraine as well as parts of the Black Soils. Elsewhere, light showers favored winter grains over the northern portion of the region. Weekly temperatures averaged above normal over most of the region with night frosts occurring on some days at most locations. Winter rye areas across the north are easing into dormancy at later than normal dates. Growth continued in the west and south.



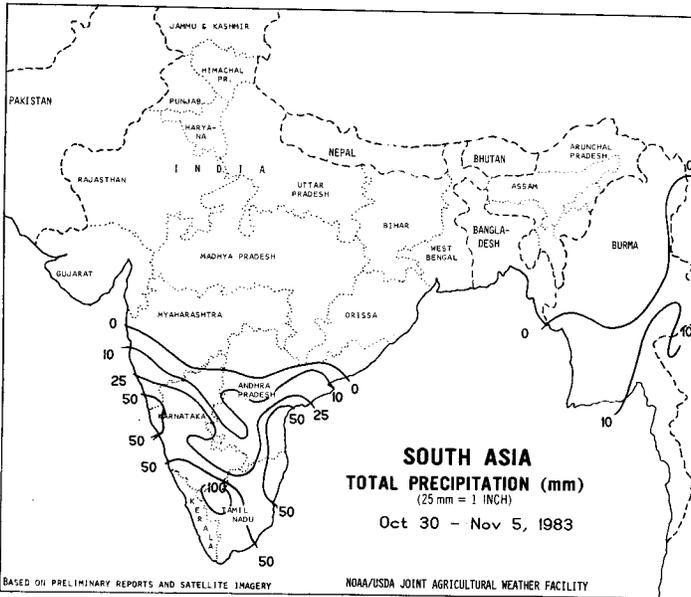
EUROPE...Significant precipitation covered Mediterranean crop areas improving soil moisture. The moisture which fell on southern Spain saturated topsoils and will likely promote winter grain planting. In contrast, topsoils remain unfavorably dry in parts of northern Spain and rain is needed before planting can begin. Light, scattered precipitation covered remaining crop areas over Europe, causing only minor delays in late harvest activity and winter grain planting. Moisture conditions for early winter grain growth are adequate in northwestern Europe, but dry topsoils in eastern Europe have created poor conditions for emergence and early establishment. Weekly temperatures were below normal in Spain with night frosts reported at central locations, but temperatures were generally above normal over the remainder of Europe.



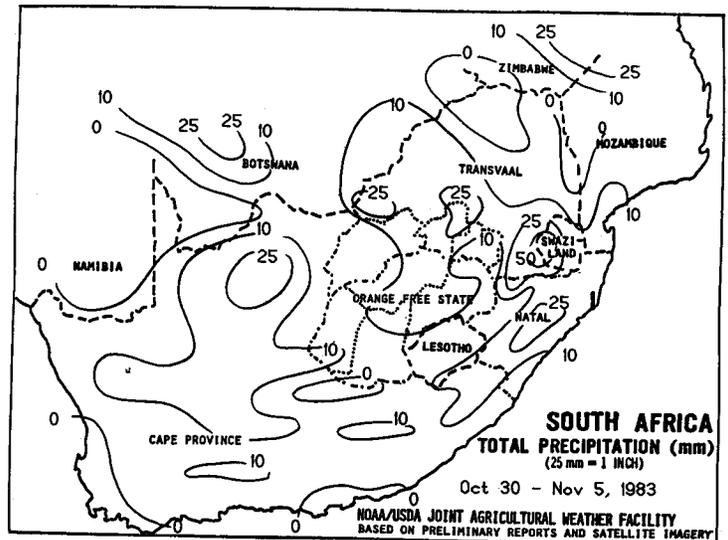
EASTERN ASIA...Mostly light scattered rains fell in south-central and southern China this week. Some localized heavier rain fell in Hunan and Guizhou, but likely did not cause any damage to maturing late double-cropped rice. Two consecutive dry weeks in central China have been very beneficial for harvesting of cotton, corn, and soybeans, following earlier excessive rains. Dry conditions covered most of the wheat region, however, moisture supplies are generally good for early growth of the crop. Mostly above-normal temperatures favored establishment of the winter wheat before it enters dormancy, which normally occurs in early December in the northern region.



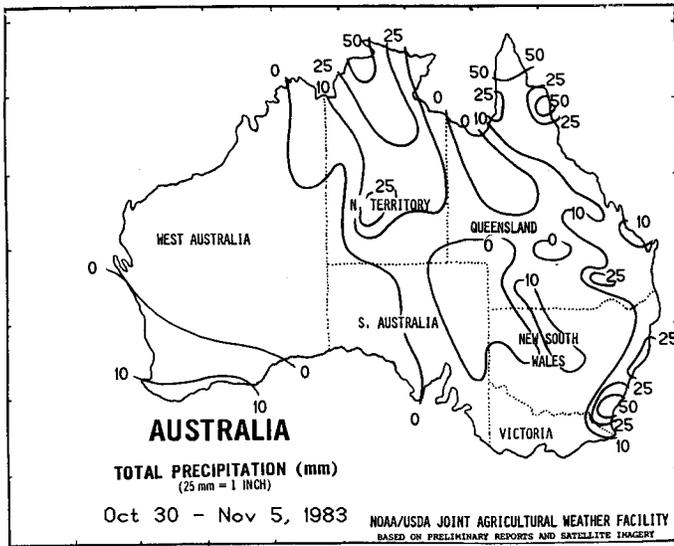
SOUTHEAST ASIA...Moderate to heavy rain fell in south-central and northern Thailand, while the eastern area was relatively dry. The moisture slowed maturation of rice, but no damage was expected. Temperatures were near normal in Thailand this week. Moderate rain continued in the Philippines. The moisture favored lowland rice in the late filling stage, but caused no damage to the maturing rice crops. Precipitation accumulations have been below normal in the northern Philippines, but the amounts have generally been adequate for crop growth and development.



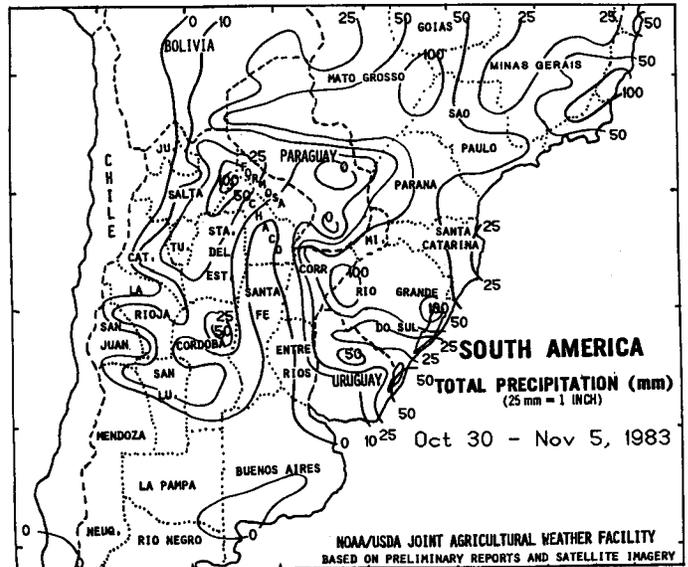
SOUTH ASIA...Precipitation was limited to southern peninsular India this week as the northwest monsoon now dominates the overall flow pattern. Moderate to heavy rains benefited crops that coincide with the normally later wet-season in this southern most region. Dry weather prevailed north of Andhra Pradesh and Karnataka, favorable for maturation and harvesting of cotton and groundnuts. The dry weather also was beneficial for maturing winter rice, following adequate rains during the growing season. Mild temperatures and mostly favorable moisture supplies in northern India are promoting good early growth of winter wheat.



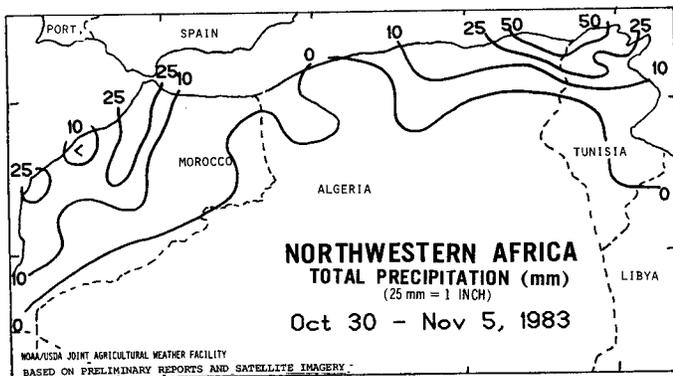
SOUTH AFRICA...Nearly all of the Maize Triangle received some precipitation this week. The heaviest amounts, 15 to 34 mm fell in the southern Transvaal through the central Orange Free State. Moisture conditions in these areas should be adequate for continued planting and emergence of the corn crop. However, continued rains will be needed to replenish deficient subsoil moisture reserves. The western corn area benefited from light showers at mid-week, but spotty dryness is hampering planting efforts. Temperatures were mostly near normal in South Africa this week.



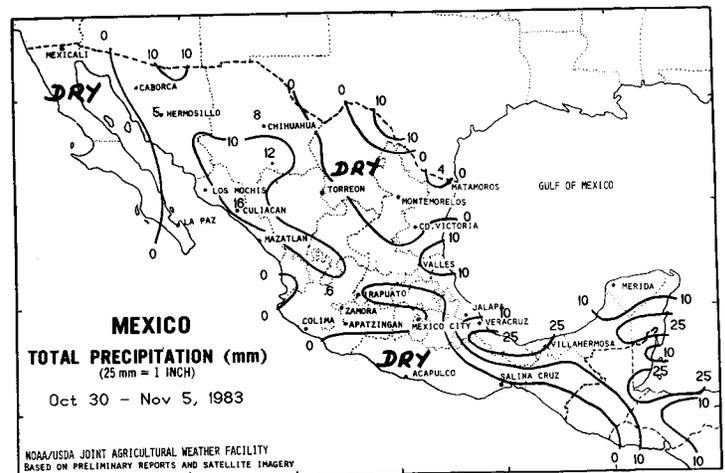
AUSTRALIA...Mostly light rain covered wheat areas of eastern Australia, primarily caused by an influx of tropical moisture which produced substantial rain (greater than 10 mm) over the Northern Territory and sugarcane areas of coastal Queensland. Showers also interrupted the wheat harvest in southeastern Queensland. Further south, the wheat is maturing in northern New South Wales where some substantial rain fell. Drier weather covered most of southern New South Wales, Victoria, and South Australia where the wheat crop could still benefit from additional moisture during grain development. However, crop prospects are already very good in these areas. In the west, some rain fell over the dry wheat areas of Western Australia, but significant rain was confined mostly to the southern coast. Dryness in recent weeks may adversely affect the yield potential in western crop areas as wheat advances from the reproductive phase to the grain filling stage.



SOUTH AMERICA...Showers and thunderstorms produced moderate to heavy rainfall (50 to over 100 mm) throughout Brazil's soybean area interrupting crop planting. Planting progress ranges from about 10 percent in Rio Grande do Sul to 55 percent in Sao Paulo, which is ahead of last year's pace in most areas. The wet weather delayed late wheat harvesting in Rio Grande do Sul and may adversely affect the quality of mature grain. The rain continued to supply abundant moisture for early growth of summer crops. In Argentina, rain was confined mostly to western corn and sorghum areas of Chaco and Formosa. Elsewhere, mostly dry weather covered the wheat areas and major summer crop areas. Temperatures averaged somewhat above normal in most wheat areas accelerating grain development. Early growth of summer crops, including corn, sorghum, sunflower, and cotton, has been aided by adequate moisture, while planting of first-crop soybeans is underway.



NORTHWESTERN AFRICA...Winter grain areas in Morocco received the first substantial rains of the autumn season. Rainfall amounts ranged from 10 to 25 mm, which will likely promote planting in those areas which received the heaviest amounts of rain. Additional showers are needed for emergence and early growth. In northwestern Algeria, winter grain areas were generally dry and fieldwork for planting awaits the onset of autumn rains. In eastern Algeria and northern Tunisia, showers continued to provide favorable topsoil moisture for winter grain planting. The bulk of winter grain normally is planted in early November in Tunisia, mid-November in Morocco, and early December in Algeria.



MEXICO...A few light showers across the southern Plateau and west coast slightly interfered with harvesting and field activities. Localized heavier showers over parts of the northwestern mountains maintained irrigation supplies and rangeland vegetation. Most of the northeast was dry enough for harvesting citrus, sugarcane, and other maturing crops. In contrast, heavy showers doused parts of the Yacatan Peninsula, as warm and moist air collided with cooler air from the north.



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WEEKLY NEWS BULLETIN
SECOND CLASS

Heating Degree Days (Base 65° F.)

October 1983

ALA. Birmingham	110	MAINE, Caribou	656	OKLA. Okla. City	117
Mobile	60	Portland	527	Tulsa	89
Montgomery	41	MD. Baltimore	257	OREG. Astoria	485
ALASKA, Anchorage	943	MASS. Boston	327	Burns	476
Barrow	1280	Claxham	317	Medford	322
Barotank	1173	MICH. Alpena	600	Pendleton	381
Beaufort	502	Port Huron	425	Portland	325
BRIZ. Flagstaff	0	St. Ignace	440	Salem	376
Phoenix	0	Grand Rapids	440	A. Allentown	338
Tucson	0	Houghton Lake	352	Marquette	352
Winslow	207	Lansing	500	Harrisburg	392
Yuma	0	Marquette	672	Philadelphia	281
ARK. Fort Smith	91	S. Ste. Marie	618	Pittsburgh	365
Little Rock	90	INTERNAT. Falls	715	Scranton	323
CALIF. Bakersfield	213	Minneapolis	555	R.I. Providence	24
Eureka	213	Rochester	579	S.C. Charleston	89
Fresno	0	WSS. Cloud	83	Columbia	179
Los Angeles	24	WSS. Clifton	92	Greenville	89
Red Bluff	12	Meridian	271	S. DAK. Aberdeen	539
Stockton	12	MO. Columbia	271	Huron	473
San Diego	42	Kansas City	162	St. Joseph	476
San Francisco	372	St. Louis	192	TENN. Chattanooga	146
COLO. Denver	322	Springfield	359	Knoxville	163
Grand Junction	92	MONT. Billings	328	Memphis	73
Pueblo	330	Glasgow	340	Nashville	121
CONN. Bridgeport	177	Great Falls	584	TEX. Abilene	37
Hartford	177	Hayes	584	Amarillo	175
FLA. Apalachicola	0	Kalamazoo	685	Austin	7
Ft. Myers	10	W. Va. Charleston	460	Beaumont	29
Jacksonville	0	Miles City	460	Brownsville	0
Key West	0	Missoula	652	Chaparral Christi	2
Miami	0	NEBR. Grand Island	349	Del Rio	6
Orlando	0	Lincoln	326	El Paso	52
W. Palm Beach	0	Norfolk	391	Fort Worth	52
Tallahassee	34	North Platte	419	Houston	27
Tampa	123	Omaha	376	Lubbock	107
Ch. Atlanta	66	Valentine	578	Midland	56
Macon	99	NEV. Ely	513	San Angelo	20
Savannah	19	Ras Vegas	332	San Antonio	19
IDAHO, Boise	338	Winemucca	451	Victoria	12
Lewiston	366	N.H. Concord	521	Wichita Falls	88
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Dubuque	390	Wilmington	66	Walla Walla	328
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KANS. Concordia	509	Fargo	631	Charleston	400
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Based on 1951-80 normals.

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