WEEKLY WEATHER AND CROP BULLETIN

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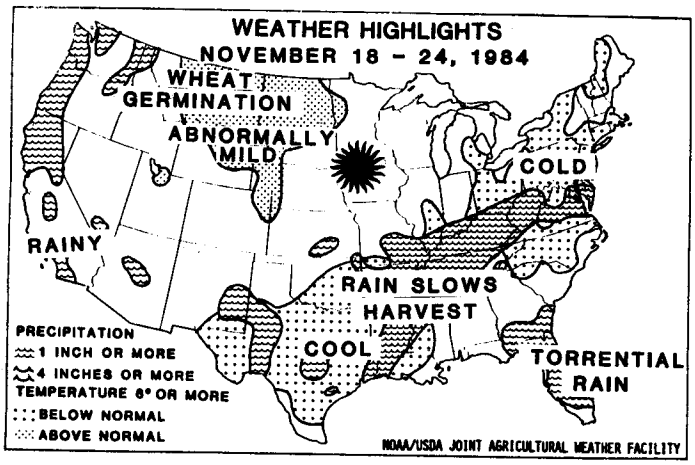
National Weather Summary

November 18-24



HIGHLIGHTS: Moderate to heavy precipitation spread from the lower and middle Mississippi Valley, through the Ohio and Tennessee Valleys, to the central east coast early in the week. Fair weather dominated most of the area from the Rocky Mountains to the east coast for most of the week. Showers in Florida were accompanied by unusually high tides and strong wind along the State's east coast. Rain, or snow at high elevations, covered most of the area west of the Rockies. Moderate to heavy showers fell along the Northwest Coast, and light to moderate showers covered southern California. Showers spread through the Southwest to western Texas as the week ended. Temperatures averaged cooler than normal from Texas to the Great Lakes, and eastward and along the west coast. Unusually mild temperatures covered the Plateau, the Rockies, and the northern Plains.

SUNDAY...Showers were moderate to heavy from the Mississippi Delta to the mid-Atlantic States. Lighter showers fell from eastern Texas into Missouri, and to New England. Occassional snow fell from parts of Missouri to Ohio. Generally light showers fell in all of the Pacific Coast States, and spread into the central and northern Plateau.

MONDAY...Showers were light but widespread from Louisiana and Arkansas into New England. Snow fell from the central Appalachians to New England. Moderate showers fell along the northwest coast, and snow spread through Washington and Oregon.

TUESDAY...Light showers covered southern Texas, from the eastern Great Lakes region into New England, the West Coast States, the central and northern Plateau, and the northern Rockies. The showers were in the form of snow on the Plateau, Rockies, and in the Northeast. Light rain began in eastern Florida.

WEDNESDAY...Shower activity increased in Florida, and moderate to heavy amounts fell along the Atlantic side of the State. Showers also covered southern California, and extended northward to the northern Rockies. Light snow fell in the eastern Lakes area, and in the Rockies and Sierra.

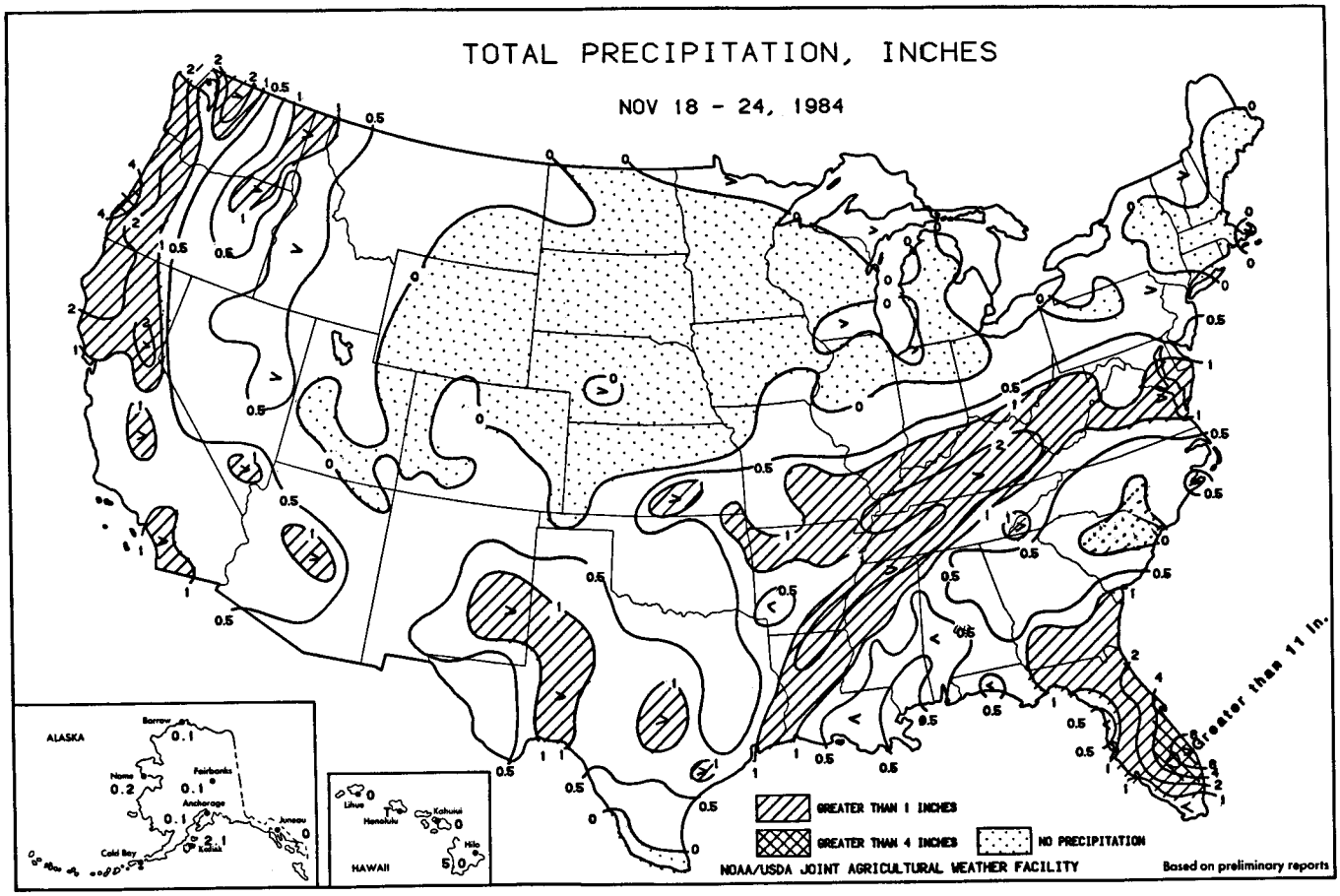
THURSDAY...Showers continued in Florida. Unusually high tides and moderate to heavy rain caused severe beach erosion and local flooding along the State's east coast. Most of the Nation had little or no precipitation, but a Pacific storm spread showers throughout the Southwest. Freezing temperatures reached southward into Louisiana and Mississippi and over the Appalachians.

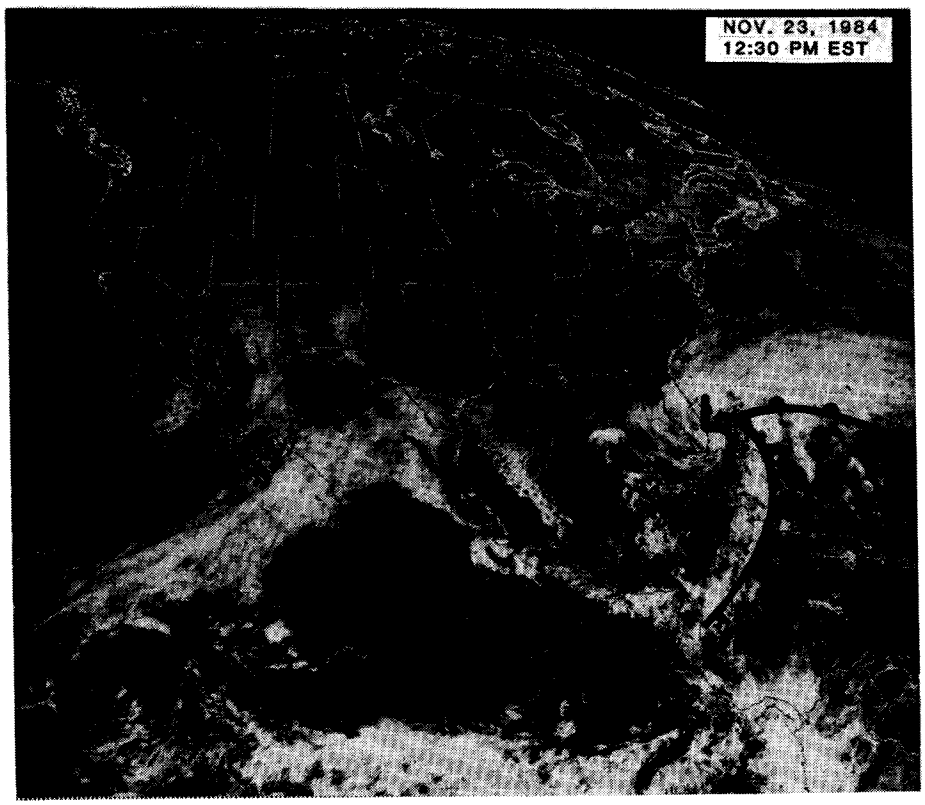
FRIDAY...Wind, tide, and rain continued to damage the coastline of eastern Florida. Across the Nation, high winds and moderate to heavy rain pounded the west coast from central California to Washington, and snow fell in the mountains. The Pacific storm in the Southwest spread showers eastward into western Texas. Relatively clear weather covered large areas from the Rockies to the east coast.

SATURDAY...Showers fell throughout all of the States west of the Rockies, and from Texas into the central Plains. Snow piled up in the higher elevations. Mild weather continued in the central and northern Plains, but early-morning temperatures were below freezing in all of the East except the Southeast coast, Florida, and the gulf coast.

Contents

	Page
National Weather Summary	1
Precipitation & North America Satellite Photo.	2
Average Temperature & Departure	3
Weather Data for Selected Cities	4
Heating Degree Days Table	7
National Agricultural Summary	8
Crop Progress Tables & Subscription & Mailing Permit Information	9
State Summaries of Weather & Agriculture	10
Heating Degree Days Maps	15
Global Weather Satellite Photo	16
International Weather & Crop Summary	17
Extreme Minimum Temperature	20



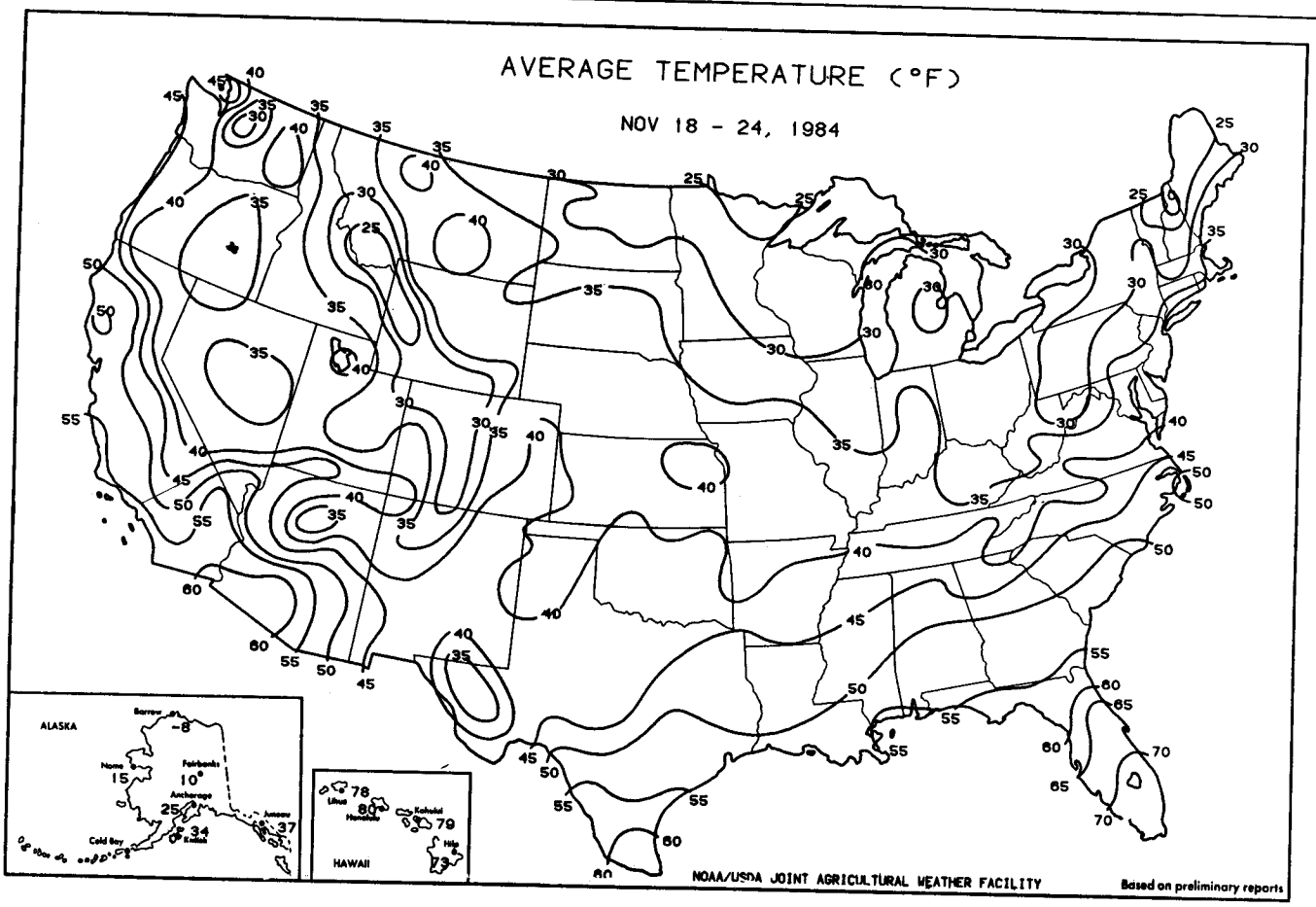


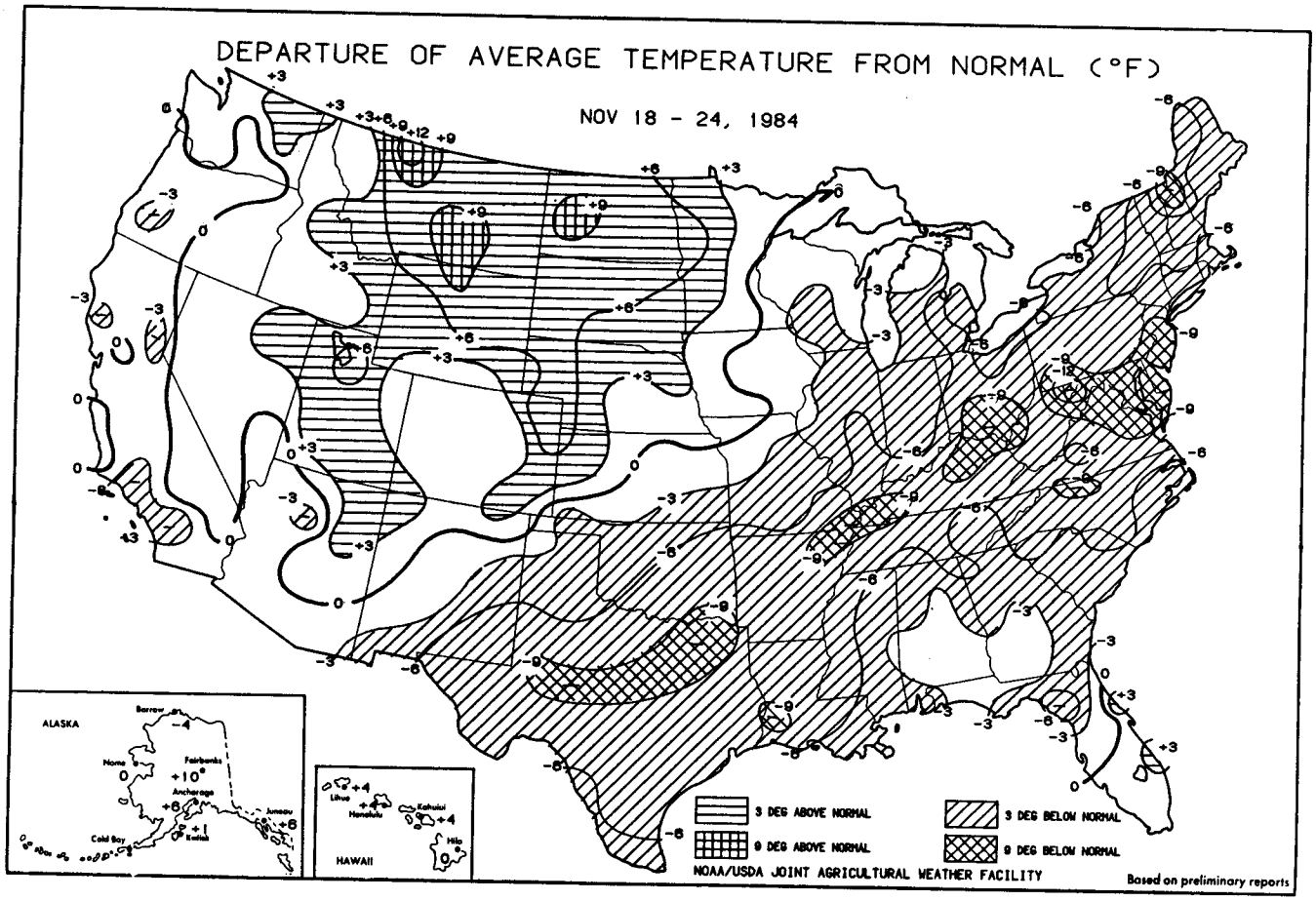
AN UPPER-LEVEL LOW PRESSURE SYSTEM SPREADS PACIFIC MOISTURE INTO NORTHERN MEXICO AND INTO THE SOUTHWESTERN UNITED STATES.

A STORM SYSTEM OFF FLORIDA'S EAST COAST POUNDS THE COASTLINE WITH HEAVY RAIN, HIGH WIND, AND UNUSUALLY HIGH TIDES. THE RAIN BENEFITED INLAND AREAS.

SNOW COVERS MOST OF SOUTHERN CANADA AND THE NORTHERN GREAT LAKES REGION.

THE INTERTROPICAL CONVERGENCE ZONE SHOWS UNUSUAL ACTIVITY FROM THE PACIFIC OCEAN INTO CENTRAL AMERICA AND COLUMBIA, SOUTH AMERICA.


AVERAGE TEMPERATURE (°F)
NOV 18 - 24, 1984
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
NOV 18 - 24, 1984
ALASKA
HAWAII
3 DEG ABOVE NORMAL
9 DEG ABOVE NORMAL
3 DEG BELOW NORMAL
9 DEG BELOW NORMAL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending November 24, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	67	43	72	35	55	1	.2	-.6	.2	6.1	76	39.9	85	82	40	0	0	2	0
MOBILE	71	48	75	40	60	-1	.1	-.6	.1	7.0	70	50.1	89	82	41	0	0	1	0
MONTGOMERY	70	44	79	34	57	0	.6	0	.6	6.6	85	46.3	110	89	41	0	0	1	1
AK ANCHORAGE	28	16	38	6	22	-2	T	-.3	T	4.0	87	13.7	102	94	76	0	7	0	0
BARROW	-2	-10	7	-13	-6	-10	T	-.1	T	.5	41	3.7	86	95	74	0	7	1	0
FAIRBANKS	9	-1	16	-9	4	-4	.2	.1	.1	1.1	55	8.8	96	94	80	0	7	4	0
JUNEAU	38	27	40	15	33	-2	.2	-1.2	.1	10.2	64	44.9	99	99	79	0	7	3	0
KODIAK	41	27	45	22	34	-2	.1	-1.6	.1	11.5	57	57.9	90	84	55	0	6	1	0
NOME	23	11	32	3	17	-2	.1	-.1	.1	2.6	67	13.3	99	96	80	0	7	5	0
AZ PHOENIX	80	53	88	47	67	3	0	-.1	0	3.7	259	11.2	190	57	22	0	0	0	0
PRESCOTT	67	34	77	23	50	4	0	-.3	0	2.1	68	11.5	71	73	23	0	2	0	0
TUCSON	81	48	88	40	65	4	0	-.1	0	2.6	109	11.7	119	47	13	0	0	0	0
YUMA	81	55	90	50	68	2	0	-.1	0	.1	13	4.1	186	57	22	1	0	0	0
AR FORT SMITH	71	46	81	34	59	6	0	-.8	0	20.0	262	41.5	119	84	40	0	0	0	0
LITTLE ROCK	68	49	74	41	58	4	1.4	.5	1.4	20.3	261	47.9	122	78	55	0	0	1	1
CA BAKERSFIELD	71	45	81	38	58	-1	T	-.1	T	.1	15	1.4	30	80	37	0	0	0	0
EUREKA	61	48	69	45	54	2	2.3	1.0	.7	7.9	142	24.6	87	90	67	0	0	6	2
FRESNO	68	45	75	40	57	1	.4	.1	.4	1.1	113	3.2	40	83	43	0	0	2	0
LOS ANGELES	68	56	71	51	62	-1	.1	-.2	.1	.5	53	2.4	26	76	44	0	0	1	0
RED BLUFF	59	44	70	39	52	-4	1.1	.4	.4	3.3	125	8.0	51	97	61	0	0	4	0
SACRAMENTO	65	49	73	43	57	1	1.1	.6	.3	2.1	117	5.1	40	98	62	0	0	4	0
SAN DIEGO	69	59	71	54	64	1	.3	0	.3	.5	63	2.0	28	90	64	0	0	1	0
SAN FRANCISCO	62	49	67	44	56	0	1.9	1.4	.8	3.9	200	8.0	55	91	58	0	0	4	2
CO DENVER	58	30	67	23	44	3	T	-.2	T	4.0	159	15.8	111	74	22	0	6	1	0
GRAND JUNCTION	57	35	63	28	46	3	.2	.1	.2	3.1	173	10.8	154	68	29	0	3	1	0
PUEBLO	61	29	73	21	45	2	T	-.1	T	2.8	159	15.4	151	80	21	0	5	0	0
CT BRIDGEPORT	57	43	66	33	50	2	.5	-.3	.4	4.8	63	38.9	111	84	55	0	0	2	0
HARTFORD	56	34	66	23	45	0	.9	-.1	.8	4.8	55	38.6	103	82	44	0	4	2	1
DC WASHINGTON	59	42	66	33	50	-1	.9	.3	.9	6.6	94	34.0	100	80	44	0	0	2	1
FL APALACHICOLA	72	50	82	42	61	-2	.4	-.2	.4	4.0	33	54.3	111	88	46	0	0	1	0
DAYTONA BEACH	78	57	85	50	67	0	.1	-.6	.1	12.3	101	43.4	97	86	47	0	0	1	0
JACKSONVILLE	70	50	78	43	60	-3	.1	-.4	.1	15.4	139	47.1	96	93	55	0	0	1	0
KEY WEST	80	70	84	67	75	-2	0	-.8	0	8.8	71	38.2	107	73	51	0	0	0	0
MIAMI	81	61	89	56	71	-3	T	-.8	T	13.6	83	56.1	103	88	47	0	0	1	0
ORLANDO	77	57	84	51	67	-2	0	-.4	0	7.0	78	42.2	94	96	45	0	0	0	0
TALLAHASSEE	74	44	82	32	59	-2	.3	-.4	.3	4.3	41	52.9	92	91	39	0	1	1	0
TAMPA	78	55	84	44	66	-2	0	-.4	0	4.8	53	31.8	73	87	45	0	0	0	0
WEST PALM BEACH	80	62	86	54	71	-2	T	-.9	T	12.7	69	57.5	103	93	50	0	0	1	0
GA ATLANTA	62	42	73	37	52	-2	.5	-.2	.3	2.1	31	50.2	120	81	38	0	0	2	0
AUGUSTA	68	39	79	30	53	-3	.1	-.3	.1	1.5	24	42.5	111	93	39	0	3	2	0
MACON	69	43	80	33	56	-2	.6	.2	.5	1.7	29	41.1	105	87	37	0	0	2	1
SAVANNAH	69	44	78	34	56	-3	T	-.4	T	9.2	117	47.9	105	88	41	0	0	0	0
HI HILO	80	67	83	64	73	-1	4.9	1.5	4.2	11.4	53	74.2	70	90	62	0	0	5	1
HONOLULU	85	74	87	73	80	2	.1	-.7	.1	3.3	92	8.4	47	80	55	0	0	1	0
KAHULUI	89	71	93	65	80	4	T	-.5	T	T	0	6.8	44	78	48	2	0	0	0
LIHUE	82	74	83	72	78	2	.8	-.5	.4	4.6	53	15.1	43	80	61	0	0	5	0
ID BOISE	46	36	50	30	41	-1	.6	.4	.3	2.3	133	11.0	116	81	51	0	1	4	0
LEWISTON	53	37	59	32	45	3	.3	0	.2	1.1	52	9.8	92	84	47	0	1	2	0
POCATELLO	44	28	49	24	36	-2	.3	0	.2	1.9	101	12.2	131	83	53	0	7	3	0
IL CHICAGO	54	34	64	23	44	1	.7	.2	.6	8.5	135	29.5	99	96	63	0	4	3	1
MOLINE	58	38	73	25	48	6	.9	.4	.8	11.1	157	35.1	103	84	48	0	2	3	1
PEORIA	59	38	75	25	49	5	1.7	1.2	1.2	10.6	157	36.1	114	90	51	0	2	2	2
QUINCY	60	41	76	28	50	6	.8	.3	.8	10.4	127	35.5	102	88	47	0	2	3	1
ROCKFORD	53	34	63	22	44	3	1.2	.6	.9	9.7	131	29.3	88	89	54	0	2	3	1
SPRINGFIELD	60	39	73	26	50	4	1.3	.8	1.3	11.5	184	36.3	119	89	51	0	2	2	1
IN EVANSVILLE	61	41	69	31	51	3	1.2	.4	1.0	14.2	230	40.9	114	89	51	0	2	2	1
FORT WAYNE	56	40	65	28	48	5	.9	.2	.4	7.4	125	26.6	88	86	60	0	2	2	0
INDIANAPOLIS	59	40	68	28	50	5	1.6	.9	1.2	10.7	172	35.8	105	92	58	0	2	4	1
SOUTH BEND	54	41	60	31	47	4	.8	.1	.5	9.6	129	28.9	87	85	60	0	1	3	1
IA DES MOINES	57	36	65	29	47	4	.4	0	.2	9.4	164	38.5	133	89	47	0	3	2	0
SIOUX CITY	55	32	63	24	43	3	1.7	1.5	1.7	7.0	155	32.4	135	78	42	0	4	1	1
WATERLOO	54	34	61	22	44	5	.5	.1	.5	8.1	130	32.0	104	90	53	0	3	2	0
KS CONCORDIA	60	38	70	25	49	5	.1	-.2	.1	6.1	118	25.1	97	86	45	0	1	1	0
DODGE CITY	63	38	74	31	51	5	T	-.2	T	3.2	95	16.4	83	69	29	0	1	1	0
GOODLAND	57	32	67	27	45	4	T	-.1	T	3.5	138	20.2	130	79	28	0	2	0	0
TOPEKA	65	41	73	30	53	7	T	-.4	T	8.7	127	35.4	114	91	42	0	2	1	0
WICHITA	65	41	70	32	53	6	T	-.4	T	4.9	76	22.5	84	88	37	0	1	0	0
KY BOWLING GREEN	61	41	69	29	51	2	2.2	1.3	1.2	11.6	162	50.9	121	96	52	0	1	5	2
LEXINGTON	56	40	65	29	48	1	1.7	1.0	.6	8.0	124	35.0	88	94	50	0	2	5	3
LOUISVILLE	58	41	65	31	50	1	2.2	1.4	.6	8.8	124	39.1	103	85	55	0	1	4	3
LA ALEXANDRIA	72	52	77	43	62	3	T	-1.1	T	14.0	169	57.3	122	84	47	0	0	0	0
BATON ROUGE	75	51	80	43	63	2	0	-.8	0	18.5	227	46.4	97	90	44	0	0	0	0
LAKE CHARLES	76	54	80	46	65	3	.4	-.4	.4	19.6	201	55.6	122	95	48	0	0	1	0
NEW ORLEANS	74	54	78	47	64	2	.2	-.6	.2	6.9	72	46.9	91	77	41	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending November 24, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	75	53	83	42	64	6	.5	-.3	.5	16.7	236	43.1	115	94	51	0	0	2	0
ME CARIBOU	44	28	53	19	36	1	.6	-.2	.3	4.1	53	31.0	99	86	59	0	4	2	0
PORTLAND	50	32	54	21	41	-1	.8	-.3	.6	4.9	56	41.7	116	92	56	0	5	2	1
MD BALTIMORE	58	38	68	28	48	-1	.8	.1	.5	5.0	66	32.8	90	85	41	0	2	2	1
SALISBURY	62	39	68	30	51	1	.1	-.6	.1	2.0	23	37.3	94	96	48	0	2	2	0
MA BOSTON	54	39	66	30	47	-1	.4	-.5	.4	6.8	84	46.0	126	83	51	0	2	2	0
CHATHAM	53	44	57	37	49	1	.1	-.9	.1	7.4	83	45.0	116	—	—	0	0	1	0
MI ALPENA	48	29	56	17	39	0	.4	-.1	.4	8.0	143	27.7	110	95	61	0	5	2	0
DETROIT	54	36	61	20	45	2	1.0	.5	.6	6.1	120	22.5	84	82	57	0	2	3	1
FLINT	54	38	62	26	46	4	1.2	.7	.7	6.9	133	25.3	98	89	62	0	2	4	1
GRAND RAPIDS	54	39	59	27	47	5	1.1	.4	1.1	7.8	111	23.7	79	87	61	0	2	1	1
HOUGHTON LAKE	47	31	52	20	39	1	.7	.1	.6	5.2	91	25.2	102	93	69	0	3	3	1
LANSING	53	35	61	23	44	3	1.0	.5	.8	7.4	137	24.4	95	92	61	0	2	2	1
MARQUETTE	41	25	50	17	33	0	.5	-.2	.3	7.2	88	28.2	86	95	67	0	6	5	0
MUSKEGON	51	37	55	26	44	2	1.5	.8	1.4	6.0	92	24.4	91	89	61	0	2	3	1
SAULT STE. MARIE	42	31	48	22	36	0	.8	0	.3	11.3	145	28.7	100	98	69	0	4	6	0
MN ALEXANDRIA	42	27	53	20	35	1	T	-.3	T	10.0	219	31.0	134	95	59	0	6	0	0
DULUTH	38	25	54	17	31	-1	.1	-.3	.1	9.2	154	24.4	89	85	58	0	7	2	0
INT'L FALLS	35	21	44	12	28	-2	.1	-.3	0	6.4	119	18.9	84	90	64	0	7	2	0
MINNEAPOLIS	47	31	59	22	39	2	T	-.3	T	8.2	171	34.2	138	73	44	0	5	1	0
ROCHESTER	45	31	57	23	38	2	1.3	.9	1.2	7.4	132	25.9	98	84	54	0	4	2	1
MS GREENWOOD	68	49	74	39	58	3	.8	-.1	.8	15.4	206	46.9	105	92	45	0	0	1	1
JACKSON	71	48	77	38	60	3	.2	-.7	.2	9.6	131	42.0	95	95	42	0	0	1	0
MERIDIAN	72	45	78	37	59	3	T	-.7	T	11.7	165	46.5	103	92	40	0	0	1	0
MO CAPE GIRARDEAU	64	46	70	34	55	—	1.4	.6	1.4	18.6	259	39.5	103	93	51	0	0	2	1
COLUMBIA	63	42	77	30	52	6	.1	-.4	.1	12.2	158	43.8	133	87	42	0	1	1	0
KANSAS CITY	62	41	70	31	51	5	T	-.4	T	9.9	127	34.4	105	93	44	0	2	1	0
SAINT LOUIS	63	43	73	32	53	5	1.2	.6	.7	18.9	325	44.2	147	91	50	0	1	3	1
SPRINGFIELD	63	43	75	31	53	5	T	-.6	T	12.5	149	36.0	103	81	47	0	1	1	0
MT BILLINGS	46	29	55	14	38	0	.5	.3	.5	2.3	84	9.2	67	74	42	0	4	1	1
GLASGOW	43	26	51	23	35	2	0	-.1	0	1.3	87	5.9	54	94	59	0	7	0	0
GREAT FALLS	47	29	55	22	38	1	.1	-.2	.1	1.7	79	10.5	75	73	38	0	6	1	0
HAVRE	43	28	50	22	35	2	T	-.1	T	1.7	104	6.0	58	89	58	0	5	0	0
HELENA	46	28	49	21	37	3	T	-.1	T	1.7	100	8.4	81	77	40	0	6	2	0
KALISPELL	41	30	47	25	36	3	.1	-.2	.1	4.7	190	13.7	101	80	55	0	5	2	0
MILES CITY	48	28	55	23	38	3	.1	-.1	.1	.9	41	7.6	58	87	42	0	6	1	0
MISSOULA	41	30	49	22	36	2	T	-.2	T	2.2	104	12.1	105	89	58	0	6	1	0
NE GRAND ISLAND	57	32	71	26	45	4	1.2	1.0	1.2	4.9	131	30.1	136	77	36	0	4	1	1
LINCOLN	59	32	70	25	46	4	.1	-.2	.1	5.3	108	33.0	129	87	42	0	3	1	0
NORFOLK	57	31	67	23	44	4	1.5	1.3	1.5	6.5	176	32.5	143	74	32	0	3	1	1
NORTH PLATTE	54	24	69	20	39	1	.4	.2	.4	3.1	115	20.0	107	84	37	0	7	1	0
OMAHA	57	36	67	27	47	5	.6	.3	.5	8.4	144	33.3	117	75	56	0	2	2	1
SCOTTSBLUFF	54	25	62	19	40	1	.1	0	.1	1.5	72	12.2	89	72	28	0	7	2	0
VALENTINE	53	24	63	11	39	1	.1	0	.1	1.2	48	18.5	111	77	36	0	6	1	0
NV ELY	52	25	65	17	38	2	.1	0	.1	5.3	354	13.1	166	82	33	0	5	1	0
LAS VEGAS	70	48	80	40	59	3	0	-.1	0	.5	69	4.2	120	45	17	0	0	0	0
RENO	52	30	58	26	41	-1	.5	.3	.3	1.1	144	3.0	52	83	35	0	5	2	0
WINNEMUCCA	50	28	56	21	39	-1	.6	.4	.3	3.0	268	11.4	178	79	38	0	5	4	0
NH CONCORD	52	29	60	16	40	0	1.2	.3	1.0	6.7	90	38.0	124	98	56	0	4	3	1
NJ ATLANTIC CITY	61	42	71	28	51	3	.4	-.5	.4	3.2	45	35.1	98	86	51	0	2	2	0
NM ALBUQUERQUE	63	34	70	25	49	2	0	-.1	0	4.3	231	10.2	138	62	19	0	1	0	0
CLOVIS	67	39	76	29	53	4	0	-.1	0	5.1	129	22.4	137	59	21	0	1	0	0
ROSWELL	73	40	83	36	57	5	0	-.1	0	3.2	117	15.8	172	60	17	0	0	0	0
NY ALBANY	52	34	61	22	43	1	1.0	.3	.8	5.1	71	33.4	108	94	48	0	3	3	1
BINGHAMTON	49	34	57	22	41	0	1.0	.3	.3	4.6	63	33.9	106	88	52	0	3	4	0
BUFFALO	50	38	57	29	44	1	1.1	.2	.5	6.4	86	32.7	104	90	55	0	3	4	0
NEW YORK	59	44	70	35	51	1	1.8	1.0	1.8	7.5	95	46.7	128	83	48	0	0	2	1
ROCHESTER	52	38	59	26	45	1	.6	0	.3	4.8	80	29.6	110	85	50	0	2	4	0
SYRACUSE	49	34	55	20	41	-2	1.6	.8	.8	6.3	83	31.5	94	97	55	0	3	4	1
NC ASHEVILLE	55	33	62	25	44	-4	1.4	.6	1.0	4.3	52	43.2	103	97	47	0	4	2	1
CHARLOTTE	59	36	70	30	48	-5	1.1	.5	.9	3.6	50	41.5	109	92	45	0	2	3	1
GREENSBORO	58	36	68	28	47	-4	.3	-.2	.3	2.6	34	46.9	125	87	41	0	3	1	0
HATTERAS	66	55	78	50	60	2	2.2	1.1	1.7	6.6	54	40.8	85	91	64	0	0	3	1
NEW BERN	66	45	74	37	56	-1	.8	.1	.8	15.3	152	57.1	120	94	53	0	0	2	1
RALEIGH	61	37	69	29	49	-4	.4	-.3	.3	3.4	50	42.6	116	91	42	0	3	3	0
WILMINGTON	67	44	76	39	56	-2	.3	-.5	.3	19.7	206	55.5	116	92	46	0	0	1	0
ND BISMARCK	43	22	51	16	33	0	T	-.1	T	1.9	81	13.5	93	89	48	0	7	0	0
FARGO	40	24	52	18	32	-1	T	-.2	T	7.8	228	19.1	103	85	56	0	6	1	0
GRAND FORKS	36	20	47	12	28	-3	T	-.2	T	3.3	97	19.3	113	84	58	0	7	0	0
WILLISTON	39	21	52	15	30	-1	T	-.1	T	2.7	118	9.9	76	90	58	0	7	0	0
OH AKRON-CANTON	52	38	56	28	45	1	1.9	1.3	.9	7.9	132	31.8	101	90	56	0	3	5	2
CINCINNATI	56	40	62	28	48	2	2.9	2.2	1.1	11.5	179	35.8	102	90	57	0	2	4	3
CLEVELAND	52	38	55	26	45	1	1.9	1.3	1.2	7.2	115	36.4	118	81	50	0	3	5	1
COLUMBUS	53	39	57	27	46	2	2.0	1.4	.9	7.9	143	29.4	90	86	53	0	2	5	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending November 24, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	53	38	58	28	45	0	1.4	.8	.9	8.5	162	30.4	100	89	57	0	2	3	1
TOLEDO	53	37	60	22	45	3	.7	.2	.3	5.1	99	26.5	96	95	64	0	2	3	0
YOUNGSTOWN	51	38	54	29	45	2	2.0	1.4	.8	7.3	110	33.3	102	96	63	0	2	5	2
OK OKLAHOMA CITY	69	49	76	36	59	7	0	-.4	0	7.8	117	23.5	82	78	28	0	0	0	0
TULSA	71	50	79	38	60	8	0	-.6	0	11.0	127	38.5	109	78	30	0	0	0	0
OR ASTORIA	54	42	57	39	48	0	3.8	1.6	2.2	16.7	134	52.3	102	88	66	0	0	6	3
BURNS	44	23	46	14	34	-5	.4	.2	.3	1.6	90	8.9	141	92	67	0	7	5	0
MEDFORD	54	41	64	36	48	2	.5	-.1	.3	4.2	126	11.7	81	97	64	0	0	5	0
PENDLETON	54	37	61	32	45	2	.2	-.1	.1	2.0	96	10.4	108	83	49	0	1	4	0
PORTLAND	56	43	59	36	49	2	1.3	.2	.6	9.5	151	29.2	106	93	62	0	0	6	1
SALEM	54	37	59	31	46	0	2.1	.8	1.0	10.8	161	34.1	116	98	70	0	2	6	2
PA ALLENTOWN	58	38	66	25	48	3	.7	-.1	.5	6.1	75	48.4	127	78	37	0	3	4	1
ERIE	53	41	58	28	47	3	1.7	.8	.7	9.1	108	32.1	95	89	52	0	1	5	2
HARRISBURG	55	37	63	26	46	-1	1.1	.3	.6	3.9	53	38.4	114	88	41	0	2	5	1
PHILADELPHIA	59	41	68	30	50	1	.8	0	.7	5.2	72	40.6	113	79	40	0	1	3	1
PITTSBURGH	53	39	57	31	46	2	2.0	1.4	1.1	6.4	106	31.3	97	93	55	0	1	5	2
SCRANTON	53	37	62	23	45	1	.7	-.1	.4	4.6	65	34.6	113	84	46	0	2	4	0
RI PROVIDENCE	57	38	68	28	48	1	.6	-.4	.6	6.6	77	44.1	116	81	48	0	3	2	1
SC CHARLESTON	66	44	74	35	55	-4	.6	.1	.6	7.6	90	44.8	95	88	48	0	0	1	1
COLUMBIA	64	35	75	27	50	-6	.2	-.4	.1	1.7	23	42.2	96	97	45	0	3	2	0
FLORENCE	63	38	73	30	51	-6	T	-.5	T	2.1	30	38.4	97	97	49	0	3	1	0
GREENVILLE	60	37	69	29	48	-5	1.1	.4	.6	4.9	55	54.7	123	86	43	0	2	3	1
SD ABERDEEN	45	25	56	16	35	1	T	-.1	T	3.7	139	20.7	122	86	51	0	6	0	0
HURON	51	26	60	19	38	2	T	-.2	T	4.3	143	29.0	164	82	43	0	6	0	0
RAPID CITY	50	25	61	11	38	0	.5	.4	.4	1.9	95	14.9	96	71	37	0	5	2	0
SIOUX FALLS	53	28	63	20	41	4	T	-.2	T	5.0	108	27.7	121	76	40	0	5	1	0
TN CHATTANOOGA	61	39	67	29	50	-1	.8	-.1	.7	7.9	94	43.5	98	89	44	0	2	2	1
KNOXVILLE	62	39	68	30	51	0	1.0	.2	.8	5.2	76	44.2	110	79	36	0	2	3	1
MEMPHIS	68	50	74	41	59	6	2.4	1.5	1.5	12.8	179	50.1	114	89	46	0	0	4	2
NASHVILLE	62	43	72	31	53	2	1.0	.3	1.0	8.7	120	49.7	120	86	46	0	1	3	1
TX ABILENE	72	49	81	38	60	5	0	-.4	0	9.1	156	17.5	81	69	28	0	0	0	0
AMARILLO	68	40	79	35	54	6	0	-.2	0	4.1	125	17.1	93	55	19	0	0	0	0
AUSTIN	77	56	83	46	66	5	0	-.5	0	11.2	145	21.2	75	88	43	0	0	0	0
BEAUMONT	78	59	82	49	68	6	.6	-.4	.6	20.2	184	52.6	116	90	48	0	0	2	1
BROWNSVILLE	83	64	85	55	74	4	0	-.4	0	20.4	220	38.4	163	91	53	0	0	0	0
CORPUS CHRISTI	80	61	84	52	71	4	0	-.4	0	10.7	109	20.7	74	96	53	0	0	0	0
DEL RIO	75	54	83	45	65	3	T	-.2	T	4.7	90	11.9	73	88	36	0	0	0	0
EL PASO	76	47	81	36	61	7	0	-.1	0	4.3	191	15.0	208	56	16	0	0	0	0
FORT WORTH	75	52	83	42	63	5	0	-.4	0	7.6	120	25.5	96	84	35	0	0	0	0
GALVESTON	75	65	78	56	70	5	.1	-.5	.1	14.8	160	31.1	91	80	53	0	0	1	0
HOUSTON	79	56	84	45	67	5	T	-.8	T	20.5	212	43.7	112	79	40	0	0	0	0
LUBBOCK	72	42	82	37	57	6	0	-.2	0	1.8	44	11.5	68	59	18	0	0	0	0
MIDLAND	73	44	82	36	58	4	0	-.1	0	3.9	105	13.3	103	74	20	0	0	0	0
SAN ANGELO	73	46	82	36	59	2	0	-.3	0	6.7	123	14.4	85	89	29	0	0	0	0
SAN ANTONIO	79	55	89	41	67	5	0	-.6	0	7.0	95	19.5	74	85	39	0	0	0	0
VICTORIA	80	58	85	47	69	5	0	-.5	0	11.1	109	28.5	86	92	48	0	0	0	0
WACO	74	51	82	39	62	3	0	-.6	0	13.2	188	27.6	100	93	53	0	0	0	0
WICHITA FALLS	73	48	82	40	61	6	0	-.4	0	7.8	120	17.6	71	83	29	0	0	0	0
UT BLANDING	54	29	61	20	41	0	0	-.2	0	3.0	113	8.4	87	72	31	0	5	0	0
CEDAR CITY	58	32	66	20	45	3	T	-.2	T	1.5	74	11.7	130	67	25	0	4	1	0
SALT LAKE CITY	53	36	61	32	44	2	.5	.2	.5	6.2	254	20.0	153	84	43	0	1	3	0
VT BURLINGTON	49	34	58	22	42	2	1.3	.6	.9	6.1	88	31.4	106	81	48	0	3	4	1
VA NORFOLK	62	47	72	39	55	0	.4	-.4	.3	2.9	33	40.2	100	83	50	0	0	3	0
RICHMOND	62	37	70	29	50	-2	.1	-.7	.1	4.1	50	41.3	107	84	42	0	3	2	0
ROANOKE	59	37	71	29	48	-1	1.2	.5	1.0	5.3	70	40.2	116	81	40	0	2	3	1
WA COLVILLE	43	31	48	26	37	1	.4	0	.3	3.1	118	20.3	150	88	74	0	4	3	0
QUILLAYUTE	52	39	56	32	46	1	2.2	-.9	.7	22.6	111	88.7	113	99	78	0	1	7	2
SEATTLE-TACOMA	52	42	53	38	47	1	1.5	.3	.7	7.5	104	28.2	99	93	61	0	0	5	1
SPOKANE	46	32	49	28	39	2	.5	.1	.2	2.7	112	13.3	105	96	63	0	4	3	0
YAKIMA	51	29	55	24	40	0	.5	.2	.4	1.6	143	6.8	113	87	55	0	5	3	0
WV BECKLEY	53	36	60	24	45	0	1.5	.8	.7	5.5	82	35.4	96	90	54	0	3	5	1
CHARLESTON	58	40	63	27	49	1	1.7	1.1	.5	8.2	126	34.4	92	90	44	0	3	4	2
HUNTINGTON	57	40	62	26	48	0	1.3	.7	.7	9.0	143	34.0	95	88	43	0	3	5	1
PARKERSBURG	57	42	60	29	49	2	1.8	1.2	.6	6.5	113	27.9	76	99	55	0	3	5	3
WI GREEN BAY	47	32	56	23	39	2	.9	.4	.5	12.2	210	33.8	133	88	51	0	4	4	1
LA CROSSE	49	31	60	25	40	1	.5	.2	.4	8.1	138	29.9	106	88	52	0	4	3	0
MADISON	48	30	56	19	39	0	.8	.3	.7	9.9	168	30.5	109	85	56	0	4	2	1
MILWAUKEE	51	35	60	26	43	2	1.5	1.1	1.5	10.3	181	35.2	128	91	58	0	3	1	1
WAUSAU	45	29	56	21	37	2	.9	.5	.5	12.3	184	38.0	130	92	55	0	5	3	0
WY CASPER	45	26	60	21	36	0	.2	.1	.2	1.5	76	12.1	115	82	43	0	7	2	0
CHEYENNE	49	26	60	17	38	1	T	-.1	T	2.2	112	17.0	135	80	31	0	7	0	0
LANDER	46	24	60	17	35	1	T	-.2	T	1.5	62	12.4	102	72	33	0	7	1	0
SHERIDAN	43	20	53	7	32	-4	.2	0	.2	2.4	92	13.3	97	85	46	0	7	2	0
PR SAN JUAN	82	76	85	74	79	-1	2.5	1.2	1.0	13.0	95	38.8	85	84	72	0	0	7	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 11-24-1984
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

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
AL BIRMINGHAM	BHM	119	15	56	364	-86	-22	-19	-6
AL MOBILE	MOB	97	39	57	233	11	3	5	1
AL MONTGOMERY	MGM	94	11	44	265	-62	30	-19	13
AK ANCHORAGE	ANC	276	-44	-16	2788	-206	-148	-7	-5
AK BARROW	BRW	507	22	56	5620	-252	-701	-4	-11
AK FAIRBANKS	FAI	383	-74	-24	3657	-89	-35	-2	-1
AK JUNEAU	JNU	196	-42	-56	2557	-40	30	-2	1
AK KODIAK	ADQ	214	-7	9	2337	-268	168	-10	8
AK NOME	OME	345	-15	45	3840	-96	94	-2	3
AZ FLAGSTAFF	FLG	233	18	-23	1587	-4	167	0	12
AZ PHOENIX	PHX	34	-13	-31	48	-82	-19	-63	-28
AZ TUCSON	TUS	66	7	-33	158	-24	36	-13	30
AZ WINSLOW	INW	158	-16	-28	847	39	195	5	30
AZ YUMA	YUM	31	3	-6	38	-35	1	**	**
AR FORT SMITH	FSM	171	47	107	517	2	122	0	31
AR LITTLE ROCK	1M1	168	56	107	498	32	115	7	30
CA BAKERSFIELD	BFL	99	20	17	342	89	200	35	141
CA EUREKA	EKA	104	5	5	1123	-312	314	-22	39
CA FRESNO	FAT	100	0	-2	351	-14	157	-4	81
CA LOS ANGELES	LAX	56	17	2	153	-68	82	-31	115
CA RED BLUFF	RBL	102	5	-25	501	140	186	39	59
CA SAN DIEGO	SAN	39	8	15	63	-68	39	-52	163
CA SAN FRANCISCO	SFO	90	8	5	470	-199	186	-30	65
CA STOCKTON	SCK	108	10	-5	426	78	170	22	66
CO DENVER	DEN	184	-16	-62	1359	170	332	14	32
CO GRAND JUNCTION	GJT	179	-21	-17	1027	30	323	3	46
CO PUEBLO	PUB	190	-1	1	1127	92	275	9	32
CT BRIDGEPORT	BDR	192	39	89	780	-17	-48	-2	-6
CT HARTFORD	BDL	223	42	89	1081	22	51	2	5
DE WILMINGTON	ILG	222	70	126	782	2	-2	0	0
DC WASHINGTON	DCA	194	64	119	568	-28	17	-5	3
FL APALACHICOLA	AQQ	69	24	31	183	40	50	28	36
FL DAYTONA BEACH	DAB	3	-21	-26	40	-19	-59	**	**
FL FORT MEYER	FMY	4	-3	-1	15	-1	0	**	**
FL JACKSONVILLE	JAX	71	23	39	188	40	49	27	35
FL KEY WEST	EYW	0	0	0	0	0	0	**	**
FL MIAMI	MIA	2	1	2	9	8	5	**	**
FL ORLANDO	MCO	15	0	6	55	22	11	**	**
FL TALLAHASSEE	TLH	72	12	19	216	16	12	8	6
FL TAMPA	TPA	24	5	16	67	19	29	**	**
FL WEST PALM BEACH	PBI	0	-4	-4	10	6	-5	**	**
GA ATLANTA	ATL	124	18	53	388	-61	-64	-14	-14
GA AUGUSTA	AGS	112	20	44	326	-46	-5	-12	-2
GA MACON	MCN	97	16	40	284	-36	28	-11	11
GA SAVANNAH	SAV	87	21	39	244	0	55	0	29
HI HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**
HI LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**
ID BOISE	BOI	190	-3	-19	1346	170	348	14	35
ID LEWISTON	LWS	171	-16	7	1205	39	215	3	22
ID POCATELLO	PIH	213	-13	-20	1545	57	255	4	20
IL CHICAGO	ORD	229	32	85	1199	145	153	14	15
IL MOLINE	MLI	230	26	96	1100	30	137	3	14
IL PEORIA	PIA	216	19	101	1000	-33	149	-3	18
IL ROCKFORD	RFD	239	24	94	1195	-9	78	-1	7
IL SPRINGFIELD	SPI	211	30	109	885	-17	121	-2	16
IN EVANSVILLE	EVV	205	49	121	717	-56	81	-7	13
IN FORT WAYNE	FWA	215	22	103	919	-167	69	-15	8
IN INDIANAPOLIS	IND	204	23	85	804	-144	25	-15	3
IN SOUTH BEND	SBN	215	23	93	977	-107	50	-10	5
IA DES MOINES	DSM	218	10	41	1153	86	156	8	16
IA DUBUQUE	DBQ	231	4	54	1233	-70	72	-5	6
IA SIOUX CITY	SUX	212	-12	6	1231	45	170	4	16
KS CONCORDIA	CNK	191	2	-6	970	56	69	6	8
KS DODGE CITY	DDC	177	0	21	845	13	176	2	26
KS GOODLAND	GLD	179	-28	-43	1195	36	210	3	21
KS TOPEKA	TOP	172	-4	39	868	-7	183	-1	27
KS WICHITA	ICT	188	22	42	780	29	116	4	17
KY LEXINGTON	LEX	228	72	127	750	-57	66	-7	10
KY LOUISVILLE	SDF	204	56	115	687	-48	47	-7	7
LA BATON ROUGE	BTR	101	39	63	214	-4	14	-2	7
LA LAKE CHARLES	LCH	108	50	84	207	3	91	1	78
LA NEW ORLEANS	MSY	91	38	61	179	4	28	2	19
LA SHREVEPORT	SHV	116	36	67	274	-31	-3	-10	-1
ME CARIBOU	CAR	285	26	37	1860	-181	55	-9	3
ME PORTLAND	PWM	234	30	41	1348	-83	52	-6	4
MD BALTIMORE	BWI	210	63	113	731	-4	-30	-1	-4
MA BOSTON	BOS	193	38	65	1017	131	210	15	26
MI ALPENA	APN	245	17	64	1661	-13	73	-1	5
MI DETROIT	DTW	241	44	102	1162	1	61	0	6
MI FLINT	FNT	236	34	92	1206	-69	104	-5	9
MI GRAND RAPIDS	GRR	226	22	77	1164	-77	10	-6	1
MI HOUGHTON LAKE	HTL	244	14	56	1526	-133	73	-8	5
MI LANSING	LAN	242	38	86	1309	50	51	4	4
MI MARQUETTE	MQT	278	11	60	1995	-29	205	-1	11
MI MUSKEGON	MKG	229	30	79	1246	9	72	1	6
MI SAULT ST MARIE	SSM	281	34	72	1923	5	272	0	16
MN DULUTH	DLH	276	-6	47	1957	-95	280	-5	17
MN INT'L FALLS	INL	300	-9	25	2176	-25	264	-1	14
MN MINNEAPOLIS	MSP	259	12	44	1462	25	120	2	9
MN ROCHESTER	RST	251	-1	31	1545	21	96	1	7
MN SAINT CLOUD	STC	259	-14	20	1707	-8	192	0	13
MS JACKSON	JAN	124	41	75	319	-29	5	-8	2
MS MERIDIAN	MEI	108	20	50	296	-92	-51	-24	-15
MO COLUMBIA	COU	200	30	101	860	25	94	3	12
MO KANSAS CITY	MCI	181	7	47	899	78	130	10	17
MO SAINT LOUIS	STL	193	32	118	750	-34	145	-4	24
MO SPRINGFIELD	SGF	187	30	102	746	-14	186	-2	33
MT BILLINGS	BIL	152	-76	-95	1674	205	529	14	46
MT GLASGOW	GGW	218	-57	-45	1888	101	362	6	24
MT GREAT FALLS	GTF	172	-63	-80	1861	212	351	13	23
MT HAVRE	HVR	208	-61	-69	2126	315	500	17	31
MT HELENA	HLN	205	-48	-37	1802	-56	154	-3	9
MT KALISPELL	FCA	234	-19	-3	2123	50	189	2	10
MT MILES CITY	MLS	204	-49	-54	1696	125	363	8	27
MT MISSOULA	MSO	231	-17	-11	1842	-13	-12	-1	-1
NE GRAND ISLAND	GRI	210	-4	13	1182	11	205	1	21
NE LINCOLN	LNK	198	-10	8	1106	23	182	2	20
NE NORFOLK	OFK	196	-30	-16	1171	-100	71	-8	6
NE NORTH PLATTE	LBF	206	-25	-23	1407	49	283	4	25
NE OMAHA	ON4	189	-12	-9	1095	71	71	7	7
NE VALENTINE	VTN	204	-34	-48	1456	43	216	3	17
NV ELY	ELY	222	-12	-59	1668	-10	237	-1	17
NV LAS VEGAS	LAS	98	0	-16	349	20	171	6	96
NV RENO	RNO	182	-9	-23	1245	-74	269	-6	28
NV WINNEMUCCA	WMC	197	-9	-27	1420	17	212	1	18
NH CONCORD	CON	243	31	53	1368	-67	30	-5	2
NJ ATLANTIC CITY	ACY	214	63	111	703	-85	-122	-11	-15
NM ALBUQUERQUE	ABQ	172	6	-17	903	147	285	19	46
NM ROSWELL	ROW	168	40	64	625	95	270	18	76
NY ALBANY	ALB	220	22	59	1158	-77	-108	-6	-9
NY BINGHAMTON	BGM	244	37	102	1271	-102	85	-7	7
NY BUFFALO	BUF	243	53	103	1273	85	157	7	14
NY NEW YORK	LGA	195	54	101	640	-64	-72	-9	-10
NY ROCHESTER	ROC	228	39	82	1108	-60	28	-5	3
NY SYRACUSE	SYR	245	57	92	1340	163	100	14	8
NC ASHEVILLE	AVL	186	43	84	726	-64	12	-8	2
NC CAPE HATTERAS	HAT	100	25	35	252	-38	-36	-13	-13
NC CHARLOTTE	CLT	151	37	67	497	-17	-40	-3	-7
NC GREENSBORO	GSO	188	59	98	620	-6	-61	-1	-9
NC RALEIGH DURHAM	RDU	174	55	109	540	-13	-30	-2	-5
NC WILMINGTON	ILM	100	20	46	281	-43	-34	-13	-11
ND BISMARCK	BIS	237	-43	-15	1825	32	172	2	10
ND FARGO	FAR	237	-48	-23	1761	4	84	0	5
ND WILLISTON	ISN	238	-49	-35	2075	195	512	10	33
OH AKRON-CANTON	CAK	225	40	125	1083	-3	159	0	17
OH CLEVELAND	CLE	214	35	99	1080	23	90	2	9
OH COLUMBUS	CMH	236	59	132	951	-36	38	-4	4
OH CINCINNATI	CVG	220	52	113	811	-76	-27	-9	-3
OH DAYTON	DAY	237	59	123	988	27	33	3	3
OH TOLEDO	TOL	239	40	109	1166	1	76	0	7
OH YOUNGSTOWN	YNG	238	48	127	1127	-58	49	-5	5
OK OKLAHOMA CITY	OKC	176	43	78	592	50	169	9	40
OK TULSA	TUL	169	41	105	547	11	198	2	57
OR ASTORIA	AST	136	-1	8	1360	33	133	2	11
OR BURNS	4BW	215	-9	-16	1903	376	202	25	12
OR MEDFORD	MFR	170	6	1	947	-24	52	-2	6
OR PENDLETON	PDT	185	5	32	1221	96	220	9	22
OR PORTLAND	PDX	143	-5	14	876	-128	81	-13	10
OR SALEM	SLE	157	5	36	1063	-47	182	-4	21
PA ALLENTOWN	ABE	222	48	104	854	-142	-87	-14	-9
PA ERIE	ERI	213	26	111	992	-187	103	-16	12
PA HARRISBURG	CXY	218	54	97	774	-110	-201	-12	-21
PA PHILADELPHIA	PHL	208	58	107	725	-38	-58	-5	-7
PA PITTSBURGH	PIT	238	58	136	999	-69	-12	-6	-1
PA SCRANTON	AVP	232	47	111	979	-165	-77	-14	-7
RI PROVIDENCE	PVD	217	50	102	926	-56	100	-6	12
SC CHARLESTON	CHS	105	34	64	294	14	95	5	48
SC COLUMBIA	CAE	120	30	50	382	-7	-12	-2	-3
SC GREENVILLE	GSP	156	44	63	479	-25	-124	-5	-21
SD ABERDEEN	ABR	221	-49	-20	1617	16	187	1	13
SD HURON	HON	207	-47	-28	1473	-31	176	-2	14
SD RAPID CITY	RAP	177	-54	-71	1428	-21	136	-1	11
SD SIOUX FALLS	FSD	216	-32	-16	1396	-50	129	-3	10
TN CHATTANOOGA	CHA	157	30	61	504	-81	-51	-14	-9
TN KNOXVILLE	TYS	166	39	68	514	-88	-86	-15	-14
TN MEMPHIS	MEM	159	48	106	438	-35	80	-7	22
TN NASHVILLE	BNA	189	59	121	575	-28	77	-5	15
TX ABILENE	ABI	153	55	87	458	78	267	21	140
TX AMARILLO	AMA	181	26	37	781	68	246	10	46
TX AUSTIN	AUS	105	42	70	220	11	129	5	142
TX BROWNSVILLE	BRO	32	17	29	34	-6	18	**	**
TX CORPUS CHRISTI	CRP	70	37	57	84	-18	43	-18	105
TX DEL RIO	DRT	108	50	69	186	3	97	2	109
TX EL PASO	ELP	152	40	52	423	7	187	2	79
TX FORT WORTH	DFW	146	66	92	354	66	123	23	53
TX GALVESTON	GLS	86	46	72	108	-11	70	-9	184
TX HOUSTON	IAH	103	48	82	177	-15	66	-8	59
TX LUBBOCK	LBB	173	41	70	613	50	266	9	77
TX MIDLAND ODESSA	MAF	169	65	85	513	106	285	26	125
TX SAN ANGELO	SJT	157	69	96	423	92	275	28	186
TX SAN ANTONIO	SAT	104	48	69	197	1	82	1	71
TX VICTORIA	VCT	84	42	68	120	-16	51	-12	74
TX WACO	ACT	131	58	82	293	42	112	17	62
TX WICHITA FALLS	SPS	159	50	86	498	67	216	16	77
UT SALT LAKE CITY	SLC	149	-47	-55	1050	-32	259	-3	33
VT BURLINGTON	BTV	250	31	59	1417	-69	73	-5	5
VA LYNCHBURG	LYH	193	53	111	625	-95	-95	-13	-13
VA NORFOLK	ORF	161	56	103	401	-62	-54	-13	-12
VA RICHMOND	RIC	193	67	108	582	-46	-128	-7	-18
VA ROANOKE	ROA	177	37	85	647	-91	-109	-12	-14
WA QUILLAYUTE	UIL	149	-6	-3	1642	32	91	2	6
WA SEATTLE-TACOMA	SEA	146	-5	2	1171	-55	100	-4	9
WA SPOKANE	GEG	210	-16	9	1616	52	326	3	25
WA WALLA WALLA	ALW	169	-2	37	1053	74	229	8	28
WA YAKIMA	YKM	203	1	40	1407	63	253	5	22
WV BECKLEY	BKW	224	50	108	963	-120	-147	-11	-13
WV CHARLESTON	CRW	210	58	133	696	-130	-10	-16	-1
WV HUNTINGTON	HTS	224	74	148	741	-79	19	-10	3
WV PARKERSBURG	PKB	206	49	131	707	-136	-37	-16	-5
WI GREEN BAY	GRB	252	16	71	1451	-53	91	-4	7
WI LACROSSE	LSE	259	26	58	1346	23	75	2	6
WI MADISON	MSN	262	30	99	1402	-11	66	-1	5
WI MILWAUKEE	MKE	229	15	70	1234	-34	131	-3	12
WY CASPER	CPR	188	-56	-102	1794	176	420	11	31
WY CHEYENNE	CYS	201	-26	-87	1803	224	408	14	29
WY LANDER	LND	219	-41	-76	1739	41	305	2	21
WY SHERIDAN	SHR	193	-54	-61	1820	134	532	8	41

additional information on p. 15

National Agricultural Summary

November 19 to 25

HIGHLIGHTS: Heavy rain early in the week halted fieldwork from the Delta States into the northern Appalachians. Fair weather dominated most of the week from the Rocky Mountains to the east coast, allowing rapid harvesting. Heavy rain limited fieldwork along coastal regions of northern California and the Pacific Northwest. Florida's east coast received torrential rains from a coastal storm; showers slowed field activities but reduced most irrigation requirements. Soil moisture rated short to adequate in the Southeast and northern Plains, and generally adequate to surplus in all other regions. The Delta States, coastal areas of the Pacific Northwest and Florida had 3-4 days suitable for fieldwork, while the remainder of the Nation generally had 5-7 days.

Winter wheat seeding was 96% complete; plants emerged on 86% of the acreage. Stands were in fair to mostly good condition. Corn harvesting reached 93% completion, slightly behind normal. Soybean combining crept forward to 86% completion, trailing the 94% average. Wet conditions further delayed progress in the Delta region. Cotton was 65% picked, 8 points behind average. Rain slowed picking in many areas. Sorghum harvesting was 96% finished, equaling the average. Rain slowed Florida's citrus and vegetable harvesting; some light damage resulted from high winds and heavy rains along the State's east coast. Pastures rated fair to mostly good across the South, but colder temperatures limited grass growth. Livestock rated mostly good, with supplemental feeding in most regions.

SMALL GRAINS: In the 15 major winter wheat producing States, seeding was 96% complete, 1 point behind both last year and the average. Planting was complete or nearing completion in all States. However, California's crop is normally planted later, and Illinois, Indiana, and Missouri had earlier wet conditions which severely delayed progress. Wheat emerged on 86% of the acreage, 5 points slower than last year and 4 points behind normal. Stands completely emerged in Idaho, Nebraska, South Dakota, and Washington. Emergence for other States ranged from 25% in California to 95% in Colorado and Ohio. Montana wheat had very little snowcover, but wind damage was light. Stands rated mostly fair, with short moisture levels in the northeast and north-central regions. Kansas wheat emergence was slightly behind schedule but soil moisture was mostly adequate. Slow soaking rain revived wheat in western Oklahoma. Stands were in fair to mostly good condition, but mild weather is needed for maximum development. Rain delayed Texas wheat and small grain seeding, but planted fields benefited from the increased moisture. Stands rated fair to mostly good. Corn Belt and Delta States producers may not seed some of the remaining intended acreage.

CORN: Harvesting was 93% complete in the 17 major producing States, trailing last year's 99% and the 94% average. Combining lagged normal by 20 points in Ohio, 16 points in Kentucky, 13 points in Pennsylvania, and 9 points in Indiana. Producers in the eastern Corn Belt were 89% finished, 6 points behind schedule. In contrast, western Corn Belt growers combined 98% of their acreage, 5 points ahead of normal. Southeastern growers were 98% finished, slightly behind normal.

SOYBEANS: Combining was 86% finished in the 18 major producing States, compared with 92% last year and the 94% average. Harvesting lagged normal in all States, except combining was on schedule in Kansas and Minnesota. Producers lagged normal by 19 points in the South Central States, 9 points in the eastern Corn Belt; and were only 2 points behind schedule in the western Corn Belt. During the week, growers in South Carolina harvested 19% of their acreage, and those in Kentucky harvested 17%.

COTTON: The 14 major producing States, harvested 65% of the acreage, compared with 76% in 1983, and the 73% average. Progress was 16 points behind normal in the Delta States, 11 points slower than normal in Texas, and 4 points behind in the Southeast. However, harvesting was ahead of schedule in California, Oklahoma, and the Southwest. Rain further delayed progress in the Delta States. Texas producers are waiting for a killing freeze before continuing harvest operations.

OTHER CROPS: Sorghum combining advanced to 96% completion, 1 point behind last year but equal to the average. Progress was equal to or ahead of average in all States, except Missouri and Texas harvesting was slightly behind normal.

Peanut threshing was virtually complete in the Southeast. Texas producers harvested 75% of their acreage, 11 points behind the average. Fields continue to show rot losses due to wet conditions.

Tobacco producers stripped and marketed their crop. Kentucky burley was 43% stripped. Quality is good to excellent. Seedbed fumigation continued in many areas.

FRUITS AND NUTS: Rain improved the condition of Florida's citrus groves, but slowed picking. East coast areas received surplus moisture with some standing water in groves. Arizona lemon and grapefruit packing was in full swing. Some Navel oranges, sweet oranges, and tangerines were being picked. California's Emperor table grape harvest neared completion. Most of the remaining crop will go to wineries. Slow demand and wet weather limited Navel orange picking. Desert grapefruit and lemon harvests continued.

Pecan harvesting was 63% finished in Georgia, 60% complete in Louisiana, and 57% finished in Mississippi. The Texas harvest was ahead of schedule due to a short crop; 52% was gathered compared to the 45% average. Rain slowed progress in most areas.

VEGETABLES: Strong winds and torrential rain caused only light damage to vegetable crops in southeastern Florida. However, wet weather limited fieldwork across much of the State. Increased harvesting of all vegetables is expected. Strawberries have an abundant bloom and fruit set. Texas producers harvested light volumes of cabbage, cucumbers, bell peppers, beets, and broccoli. Arizona's lettuce harvest was in full swing in all areas. Large volumes of a variety of vegetables were moved from the Salt River Valley. Wet weather slowed harvest activities in northern California and along the central coast. Growers harvested light to moderate volumes of a wide variety of vegetables. Huron area growers harvested heavy volumes of lettuce.

PASTURES AND LIVESTOCK: Colder temperatures limited grass growth in the South, but pastures rated fair to mostly good. Supplemental feeding continued in most areas. Feed supplies were generally adequate, and livestock were in fair to mostly good condition. Southern Plains small grains provided excellent grazing in most areas.

CROP PROGRESS

FOR WEEK ENDING NOV 25, 1984

winter wheat

% PLANTED

	1984	1983	AVG.
CALIF	50	55	53
COLO	100	100	100
IDAHO	100	100	100
ILL	75	100	99
IND	87	100	100
KANS	100	98	99
MO	86	94	93
MONT	100	100	100
NEBR	100	100	100
OHIO	99	100	100
OKLA	95	98	97
OREG	96	98	99
S DAK	100	100	100
TEX	98	94	94
WASH	100	100	100
15 STATES	96	97	97

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

% EMERGED

	1984	1983	AVG.
CALIF	25	45	42
COLO	95	95	95
IDAHO	100	100	100
ILL	65	100	98
IND	77	100	95
KANS	90	90	95
MO	65	84	84
MONT	80	100	90
NEBR	100	100	100
OHIO	95	100	97
OKLA	75	90	80
OREG	90	96	93
S DAK	100	100	100
TEX	87	84	83
WASH	100	100	100
15 STATES	86	91	90

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

corn

% HARVESTED

	1984	1983	AVG.
COLO	95	97	95
GA	100	99	99
ILL	94	100	98
IND	85	100	94
IOWA	99	100	96
KANS	100	100	97
KY	80	97	96
MICH	95	97	91
MINN	98	99	89
MO	92	96	93
NEBR	97	99	90
N C	99	99	99
OHIO	75	95	95
PA	76	90	89
S DAK	98	100	95
VA	92	98	96
WIS	90	97	90
17 STATES	93	99	94

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

sorghum

% HARVESTED

	1984	1983	AVG.
COLO	97	100	95
KANS	97	90	95
MO	90	95	91
NEBR	99	100	96
OKLA	90	80	85
S DAK	99	100	98
TEX	96	98	99
7 STATES	96	95	96

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

soybeans

% HARVESTED

	1984	1983	AVG.
ALA	82	86	89
ARK	71	87	89
GA	81	71	77
ILL	91	100	100
IND	90	100	100
IOWA	99	99	100
KANS	95	85	95
KY	62	93	95
LA	92	95	94
MICH	97	100	99
MINN	99	99	99
MISS	70	86	89
MO	85	91	92
NEBR	99	100	100
N C	59	49	61
OHIO	90	100	100
S C	58	45	55
TENN	52	89	90
18 STATES	86	92	94

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

cotton

% HARVESTED

	1984	1983	AVG.
ALA	88	95	95
ARIZ	81	90	80
ARK	80	99	94
CALIF	95	85	90
GA	91	82	90
LA	84	97	95
MISS	76	96	94
MO	87	100	100
N MEX	65	51	64
N C	81	97	86
OKLA	45	30	35
S C	93	100	95
TENN	70	97	90
TEX	47	64	58
14 STATES	65	76	73

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

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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 were about 5° below normal. Rainfall none to 0.10 in.

Fieldwork: 4.3 days. Soybeans harvested 82%, 86% 1983, 89% average. Cotton harvested 88%, 95% 1983, 95% average. Wheat seeded 73%, 81% 1983, 83% average. Activities: Harvesting cotton, soybeans, and fall vegetables; planting small grains and winter grazing; applying lime; and routine care of livestock and poultry. Conditions: Soybeans fair; cotton, wheat, and livestock fair to good; pastures fair.

ARIZONA: Mostly sunny 18th through 21st. Low pressure system moved across State 22nd, 23rd with moisture moving in from Mexico. Snow level dropped to 6,000 ft. with mixed rain and snow at 5,000 ft. A second storm night of 24th brought more rain and snow. Combined snowfall ranged from 2 to 8 in. over Grand Canyon, Mogollon Rim, White Mountains. Moisture for week was between 0.50 to 1.50 in., locally over 2.00 in. Average temperatures were 5 to 10° lower than previous week and varied from 5° below normal to 3° above.

Lettuce harvest in full swing all areas. Lettuce packing heavy in Yuma area. Vegetable harvest active. Mixed vegetables moving in large volumes in the Salt River Valley. Cabbage harvest was completed. Lemon, grapefruit packing full swing. Navel, sweet oranges, tangerines were being picked. Cotton harvest 81% picked once, average 80%, last year 90%. Harvest progress 65% southeast, 80% central, west. Seedbed preparation wheat, barley active with some acreage already seeded. Sorghum, alfalfa harvests winding down Graham County, complete Greenlee County.

ARKANSAS: Temperatures 5 to 10° below normal with rainfall throughout the State. High 70°, low 17°. Most precipitation 1.68 in., least 0.06 in.

Days favorable for fieldwork: 3.7. Crop growth slow to moderate and soil moisture adequate to surplus. Cotton poor to fair condition; all bolls open, same as 1983 and average; harvested 80%, 99% 1983, 94% average. Soybeans poor to fair condition; harvested 71%, 97% 1983, 89% average. Corn and sorghum virtually harvested, same as 1983 and average. Wheat condition fair; planted 43%, 91% 1983, 82% average. Pasture average. Cattle condition good.

CALIFORNIA: Periodic Pacific storm activity continues to move through State, spreading precipitation over the entire State and maintaining temperatures at near normal to below normal levels. All districts recorded average temperatures at below normal levels except for the southeast interior which registered normal temperatures. Precipitation, as is typical, was greatest to the north. Little change in the current weather pattern in anticipated for the next week, consequently, Pacifict storms will continue to threaten the State. Wet weather during much of week.

Cotton harvest 95%, 85% last year, 90% average. Winter wheat 50% planted, 55% last year, 53% average; emerged 25%. Small grain planting active where weather permitted. Milo, corn, dry bean and sugarbeet harvests virtually complete. Alfalfa being seeded. Avocado harvest continues with soft prices, slow movement. Emperor table grape nears completion. Most of remaining crop going to wineries. Kiwi harvest in full swing. Olive harvest nearly complete. Slow demand and wet weather slowed Navel harvest. Quality remains high. Mandarin quality excellent as harvest nears completion. Desert grapefruit and lemon harvests continue. Pruning and spraying going on in almond and walnut orchards. Northern California activities limited, rain, snow during week. Rain, cool temperatures along central coast slowed activities. Artichokes fairly light supply central coast, variable quality. Broccoli moderate supply Salinas-Watsonville, heavy supply Santa Maria-Oceano area, variable quality. Harvest slow San Joaquin Valley, increasing in desert areas. Harvest brussel sprouts continued central coast. Fall cantaloupe harvest decreasing, size small desert area. Quality varies. Harvest slowly Palo Verde Valley. Carrots fairly light supply Salinas area, good quality San Joaquin Valley. Harvest desert winding down. Cauliflower fairly light supply Salinas-Watsonville, Santa Maria area variable quality. Cauliflower harvest underway desert, continues light south coast and San Joaquin Valley. Celery moderate supply Salinas-Watsonville area, variable quality. Santa Maria moderate volumes celery. Harvest celery continues Imperial, Palo Verde Valleys. Santa Maria lettuce very light volume, variable quality. Lettuce harvested Huron area good yields, excellent quality, heavy volumes. Green peppers virtually finished. Harvest dehydrator onions continues Tuleklake area, weather permitting. Fall potato harvest about finished, 1,000 acres remaining harvested Tulelake-Butte Valley. Weather conditions halted harvest many occasions. Yields, quality excellent. Harvest potatoes Perris-Hemet area continue good quality. Sweetpotato harvest virtually complete. Few market tomatoes continue harvested southern California. Rains beneficial to range and pastures. Foothill areas showing good grass growth. Supplemental feeding active. Calving and laming continue.

COLORADO: The week was dry except for a storm system that moved into the State late on 24th and into the eastern Plains on 25th. Precipitation amounts on the eastern Plains ranged from a trace to maximum of 0.21 in. in the Denver area. Average temperatures were 3 to 5° above normal dropping to normal on 25th.

Winter wheat planting at 100%, 1983 and average, 100%. Plant emergence 95% complete; 1983 and average, 95%. Corn harvest at 95%, 1983 97%; average 95%. Sorghum harvest 97% complete; 1983, 100%; average, 95%.

FLORIDA: A strong low pressure system developed in the Atlantic off the southeast coast, brining strong winds, beach erosion and heavy rains to portions of the east coast. Rainfall amounts ranged from 1.00 to 3.00 in. over most of State except for a few spots exceeding 10.00 in. along southeast coast. High pressure brought improving conditions at weekend. Temperatures were near normal.

Soil moisture adequate to surplus central, southern areas, conditions improved in north but remained mostly dry in west. Soybean harvest nearing completion, yields variable. Cotton harvest winding down. Peanut harvest complete,

yields at record levels. Sugarcane harvest increased; will continue upward during December. Small grain planting very active, early planted acreage progressing slowly. Pasture condition improved with rain most areas. Cool weather inhibited growth. Cattle fair to good condition. General rainfall improved most citrus groves. East Coast areas received surplus moisture with some standing water. Harvest slowed. Caretakers winterizing groves. Heavy rains, wind occurred much of vegetable producing areas. Strong winds up to 70 mph and rainfall up to 14.00 in. occurred southeast area. Crop damage was generally light. Adverse weather interrupted harvest, fieldwork. Harvest expected to gain this week most crops, including snap beans, cabbage, carrots, cauliflower, celery, eggplant, escarole, lettuce, peppers, radishes, squash. Steady harvest of sweet corn, cucumbers, tomatoes expected. Bloom, fruit set becoming abundant for strawberries; first harvest expected by mid-December. Quality good for most crops.

GEORGIA: Temperatures averaged 39° in mountains, 40's over north and central and low 50's in south. Most averages about 5° below normal. Extremes ranged from 80° at Brunswick to 14° at Clayton. Rainfall limited to southern half of State. Most amounts were under 0.25 in. except more than 1.00 in. fell in the Valdosta area and in extreme southeast. Greatest weekly total 2.29 in. at Homerville. Rain fell on one to two days.

Soil moisture 3% surplus, 57% adequate, 26% short, 14% very short. Average days suitable for fieldwork: 4.8. Main activities harvesting cotton, soybeans and pecans; planting small grains. Corn harvested 100% this year, last year and average 99%. Cotton bolls open 100%, 99% last year and average; 91% harvested, 82% last year, average 90%; condition 11% excellent, 59% good, 26% fair and 4% poor. Soybeans 81% harvested, 71% last year, average 77%; condition 20% good, 46% fair, 28% poor, 6% very poor. Pecans 63% gathered, 49% last year, average 62%; condition 25% good, 49% fair, 20% poor, 4% very poor. Wheat 61% planted, 60% last year, average 71%. Rye 85% seeded, 89% last year, average 88%. Other small grains 78% planted, 85% last year and average. Grain sorghum condition 33% good, 59% fair, 8% poor. Pasture condition 30% good, 39% fair, 27% poor, 4% very poor. Cattle 48% good, 48% fair, 4% poor. Hogs 67% good, 30% fair.

HAWAII: Moderate to occasionally heavy rains fell over the State, bringing relief to drought-stricken areas on the Island of Hawaii and Maui.

Heavy rains in south Kohala, Island of Hawaii, filled reservoirs and improved recovery prospects of critically dry pastures. Mandatory irrigation restrictions lifted in major vegetable growing areas Waimea, Hawaii and Kula, Maui after rains replenished reservoir levels. Farmers responded by planting new acreages of lettuce and cabbage. Chinese cabbage supply will remain light while tomato production will increase. Banana production remains heavy and papaya production is forecast to begin a seasonal decline.

IDAHO: Pacific storm system brought moderate temperatures and varied amounts of precipitation to the State. Temperatures averaged from 1° below normal to 5° above normal. The north and west portions of the State received the heaviest amounts of precipitation with scattered showers reported in other areas.

Wet weather prevented fieldwork in most areas. A small percentage of corn fields have not been harvested. Calves and lambs were being sold at some locations. Livestock were in excellent condition with feed in good supply.

ILLINOIS: Temperatures near normal to 7° below normal. Precipitation none to 0.30 in., mostly south.

Soil moisture 57% adequate, 41% surplus, 2% short. Corn harvested 94%, last year 100%, average 98%. Soybeans harvested 91%, last year 100%, average 100%. Sorghum harvested 80%, last year 100%, average 98%. Winter wheat seeded 75%, last year 100%, average 99%; emerged 65%, last year 100%, average 98%; condition, 10% excellent, 48% good, 27% fair and 15% poor. Fall tillage of 1985 intended corn and soybean acreage 50%, last year 70%, average 70%. Pasture condition 7% excellent, 55% good, 36% fair, 2% poor; supplying 40% livestock roughage requirements, last year 12%, average 23%. Days suitable for fieldwork: 5.3.

INDIANA: Virtually no precipitation except snow showers in northwest. Total precipitation less than 0.10 in. Temperatures were quite cold early in the period but moderated to above normal levels on the weekend. Average temperatures from near normal to 4° below normal in northern half of State. In south temperatures 4 to 8° below normal. Temperature extremes from mid teens to the lower 60's.

Fieldwork averaged 5.4 days. Topsoil moisture mostly adequate to surplus. Subsoil moisture adequate. Corn 85% harvested, 1983 100%, average 94%. Corn moisture 22%, 1983 20%. Soybeans 90% harvested, 1983 100%, average 100%. Soybean moisture 15%. Wheat 87% seeded, 1983 100%, average 100%. Wheat 77% emerged, 1983 100%, average 95%. Wheat stands 18% fair, 68% good, 14% excellent. Wheat condition 22% poor, 69% fair, 9% good. Spring cropland 40% plowed, average 50%. Tobacco 35% processed for sale, 1983 40%.

IOWA: A mild, dry week. Daily highs moderated from the 30's into the 40's and 50's at midweek to remain mild through the weekend. Temperatures ranged from 3° low the 20th to 62° highs the 24th. Central areas 4 in. soil temperatures averaged 34°.

Corn acreage harvested 99% complete; 100% last year; 96% normal. Soybean acreage harvested 99% complete; last year 99%; normal 100%.

KANSAS: Precipitation averaged little or none west and north central, 0.25 to 0.50 in. south central, central, north central and east central, and just over 1.00 in. southeast. Temperatures averaged 38 to 42° statewide. Departures ranged from 3° below normal southeast to 6° above northwest.

Sorghum harvested 97%, 90% last year, 95% average. Soybeans 95% harvested, 85% last year, 95% average. Corn harvested 100%, 100% last year, 97% average. Wheat planted 100%, 98% last year, 99% average. Emerged 90%, 90% last year, 95% average. Soil moisture mostly adequate. Pasture and rangeland fair to good. Days suitable for fieldwork: 5.0.

KENTUCKY: Widespread rain fell on 19th, otherwise fair skies dominant feature. Daily average temperatures during first half were in mid 30's and warmed to near 40 by week's end. Mean temperatures were about 6 to 10° below normal. Precipitation ranged from light over

northern most areas to locally as much as 2.50 in. over south central and southeast. Normal precipitation is around 0.75 to 1.00 in.

Soil moisture 36% adequate, 64% surplus. Corn and soybean harvest made good progress on well drained soils but many lowlands still too wet. Corn 80% harvested, last year 97%, average 96%. Soybeans 62% harvested, last year 93%, average 95%. Quality reduced by rotting and sprouting on lodged soybeans. White corn varieties not standing as well as yellow corn. Wheat seeding 70% complete. Wheat seeding will continue in some areas, but other farmers say it is too late. Burley 43% stripped. Quality good to excellent with market prices about $10.00 per cwt. above last year.

LOUISIANA: Rainfall was widespread with amounts ranging from 0.12 to 2.13 in. Temperatures averaged 4 to 7° below normal. High 82°; low 24°.

Soil moisture adequate southeast, adequate to surplus elsewhere. Days suitable for fieldwork: 4.3. Activities included harvesting cotton, soybeans, sugarcane, pecans, and sweetpotatoes, and planting winter wheat. Cotton harvest 84% 1984, 97% 1983, 95% average. Soybean harvest 92% 1984, 95% 1983, 94% average. Winter wheat planting 54% 1984, 88% 1983, 84% average; emerged 41% 1984, 71% 1983, 68% average; condition fair to good. Sweetpotato harvest 96% 1984, 97% 1983, 99% average. Sugarcane harvested 54% 1984, 66% 1983, 63% average. Vegetables fair condition. Pecans harvested 60% 1984, 41% 1983, 54% average. Pasture and livestock condition fair to good.

MARYLAND AND DELAWARE: Maryland: Weather was cool with mostly light rainfall. Temperatures averaged mostly 9 to 10° below normal. Precipitation averaged 0.80 in. with heaviest amounts on the lower shore.

An average 5.5 days were suitable for fieldwork. Topsoil moisture adequate, while subsoil moisture reported adequate except in some areas of the lower shore. Soybean harvest 85% complete, slightly behind normal. Wheat seeding was completed by week's end, about 1 week later than normal. The tobacco crop was 35% stripped.

Delaware: Weather was cool with showers. Temperatures averaged 8 to 11° below normal. Precipitation averaged just over 0.75 in. ranging from 0.34 in. north to 1.41 in. south.

Topsoil and subsoil moisture reported adequate. Days suitable for fieldwork: 6.0. Soybean harvest 95% complete, 90% harvested last year and equal to the average. Wheat seeding 95% complete, normal 100%. Rye seeding 95% complete; last year 90%, average 95%.

MICHIGAN: This was a cool and dry fall week across the State. Temperatures averaged 3° below normal. Only the northwest portion of the lower Peninsula had above normal temperatures. Precipitation was light over the entire State.

Excellent week for harvesting corn and soybeans. Farmers wrapping up harvesting operations. Statewide 5.0 days suitable for fieldwork. Corn 95% harvested, 97% last year, 91% average. Soybeans 97% harvested, 100% last year, 99% average. Winter wheat condition considered normal or above normal throughout the State. Fall tillage approaching the half-way point.

MINNESOTA: The week began cool and ended with temperatures well above normal, setting or tieing record highs. Temperatures averaged 1 to 7° above normal for the State. High: 70°, low: 2° below. Precipitation averaged 0.16 to 0.31 in. below normal. Greatest amount reported was 0.14 in. at Duluth. Snowfall for the week averaged zero to a trace for the State. Snow depth at weeks end averaged zero.

Corn harvested 98%, 1983 99%, normal 89%. Soybeans harvested 99%, 1983 99%, normal 99%.

MISSISSIPPI: Rain and below normal temperatures for the week, extremes 19 and 82°. Greatest 24-hour rainfall 2.58 in.

Soil moisture surplus. Fieldwork 3.3 days suitable, 4.5 1983, 2.3 average. Rain continues to drag out cotton and soybean harvest and delay winter wheat planting. Cotton 76% harvested, 96% 1983, 94% average. Soybeans 70% harvested, 86% 1983, 89% average. Corn 95% harvested, 99% 1983, 100% average. Wheat condition fair; 53% planted, 85% 1983, 86% average. Pecans in poor to fair condition; 57% harvested, 41% 1983, 61% average. Sweetpotatoes 96% harvested. Livestock and pastures in fair to good condition.

MISSOURI: Cool weather prevailed even though temperatures warmed near the end of the week. Temperatures averaged around 5° below normal. The first snow fell in some parts of the State, the northern third was virtually dry while around 1.00 in. of precipitation fell in the rest of the State.

Days suitable for fieldwork: 3.9. Soybeans harvested 85%, 91% last year, 92% normal. Corn harvested 92%, 96% last year, 93% normal. Cotton harvested 87%, 100% last year, 100% normal. Grain sorghum harvested 90%, 95% last year, 91% normal. Fall tillage for spring crops 47%, 55% last year, 53% normal. Winter wheat planted 86%, 94% last year, 93% normal. Winter wheat emerged 65%, 84% last year, 84% normal. Condition of pasture 8% excellent, 54% good, 38% fair, 0% poor. Topsoil moisture supply 42% surplus, 50% adequate, 8% short.

MONTANA: Temperatures continued very mild, averaged 3° above normal west of divide, 5 to 10° above normal over rest of State. Precipitaton confined to west, southwest and central areas with most of precipitation falling last of the week. Amounts ranged from 1.00 in. in the mountains to around 0.10 in. over plains.

Topsoil moisture short in northeast and north central. Subsoil moisture short except in southeast. Winter wheat emerged 80%, last year 100%, average 90%. Winter wheat condition mostly fair, good in west. Very little snow cover but wind damage none to light. About 50% of cattle and 60% of sheep receiving supplemental feed, heaviest feeding in east and north central. Stock water supplies adequate. Livestock in generally good condition.

NEBRASKA: Temperatueres averaged 4° above normal. Precipitation was light and occurred late in the week.

Winter wheat condition mostly good. Wheat planted 100%, wheat harvest 100%. Sorghum harvested 99%, 100% last year, 96% average. Soybeans harvested 99%, 100% last year, 100% average. Corn harvested 97%, 99% last year, 90% average. Days suitable for fieldwork was 6.7. Topsoil moisture 21% short, 79% adequate. Subsoil moisture 21% short, 79% adequate also.

NEVADA: Series of storm systems moved across State during week producing considerable rain valley floors and snow higher elevations. Temperatures averaged near to slightly above normal for period although sharp drops occurred end of week. Extremes: 75 and 15°.

Lettuce harvest about completed extreme south. Grading and marketing potatoes continuing. Feeding requirements livestock

increased due inclement weather another week.

NEW ENGLAND: It was a dry week with little or no precipitation reported throughout New England. Amounts of between 0.10 and 0.30 in. fell in northern New England, no precipitation was reported in the south, except for 0.10 in. over Cape Cod, MA. Temperatures averaged a little below normal for most of the week, with mean temperatures in the upper 20's north to the mid 30's coastal south. Temperatures moderated a little at the end of the week.

Winter farm chores continued under ideal conditions. Farmers busy protecting their livestock from the deer hunters.

NEW JERSEY: Temperatures were much below normal, averaging 32° north, 35° south and 37° coastal. Extremes were 12 and 58°. Precipitation this period was well below normal, averaging none north, 0.02 in. south and 0.10 in. coastal. The heaviest 24-hour total was 0.20 in. on the 19th to 20th.

Fieldwork: 6.0 days suitable. Late harvesting of field corn and soybeans nearly completed. Cider and fall crop marketing active during the Thanksgiving holiday. Fruit tree pruning and tending to winter chores are the main farm activities.

NEW MEXICO: Average temperatures near normal extreme north, 5 to 10° below normal south. Precipitation totals ranged from 0.01 to 1.33 in., mountains received snow.

Harvest activities slowed by wet condition. Soil moisture mostly adequate. Alfalfa, cotton, fair to good. Corn good to excellent, 95% harvested. Grain sorghum fair to excellent 85% harvested. Fall seed wheat, barley mostly good. Pecans, peanuts, red chile good harvest continuing. Lettuce harvest virtually complete. Range mostly good. Cattle, sheep mostly good to excellent. Cotton harvest 65%, last year 51%, average 64%.

NEW YORK: It was a dry week with below normal precipitation. This precipitation was mostly at the beginning of the week. Temperatures were below normal with most of the lower readings in the midweek period, but warmer on 24th. High pressure dominated the week's weather with several weak fronts moving through the area. There was some snow accumulation but it was mainly in the northern mountains.

NORTH CAROLINA: Temperatures averaged 8 to 10° below normal in the mountain and Piedmont region and 3 to 5° below normal in the Coastal Plain regions. Precipitation varied from none to 1.54 in.

Soil moisture: 7% very short, 26% short, 67% adequate. Days suitable for fieldwork: 5.4. Condition: Pasture 8% poor, 45% fair, 46% good, 1% excellent. Wheat 3% poor, 30% fair, 66% good, 1% excellent. Harvest: Soybeans 59%, 1983 49%, average 61%. Cotton 81%, 1983 97%, average 86%. Planted: Wheat 87%, 1983 83%, average 84%. Farm feed supplies: Hay and roughage 89% adequate, 11% surplus. Feed grains 3% short, 88% adequate, 9% surplus. Major farm activities: Harvesting soybeans, seeding small grains, preparing tobacco plant beds, picking cotton, harvesting sorghum, harvesting corn, fall plowing, grading burley tobacco, cutting Christmas trees, tending livestock, cutting firewood and general farm maintenance.

NORTH DAKOTA: Last week was warmer and drier than normal. The week began cold with low temperatures in the teens to below zero. By the end of the week high temperatures climbed into the 50's to mid-60's at many locations. Extremes ranged from 66° at Dickinson on 24th to -8 at Pembina on 19th. Only two locations reported measurable precipitation last week. The remainder of the reporting points either reported a trace or no precipitation during the week.

Harvest of all crops virtually complete. Record warm temperatures late in week were welcomed. Measurable precipitation would also be welcomed, all areas.

OHIO: Temperatures 3 to 8° below normal. Precipitation 0.00 in. at most locations, none over 0.10 in. Soil temperatures 4 in. under bared ground averaged mid to upper 30's.

Topsoil moisture 65% adequate, 35% surplus; 5.0 days suitable for fieldwork. Corn harvested 75% 1984, 95% 1983, 95% average; corn grain quality good, average moisture 24%. Soybeans harvested 90% 1984, 100% 1983, 100% average; soybean oilseed quality good, average moisture 16%. Winter wheat planted 99% 1984, 100% 1983, 100% average; emerged 95% 1984, 100% 1983, 97% average; good condition. Pasture condition good.

OKLAHOMA: Temperatures averaged 3° below normal Panhandle to 8° below normal southeast. Precipitation averaged 0.07 in. west central to 0.40 northeast.

Slow, soaking rain revived wheat in west. Mild weather needed for maximum development. Weeds severe problem north central. Freeze needed to reduce sorghum moisture content and to defoliate cotton. Wheat and livestock good to fair; sorghum and cotton fair condition. Wheat planted: 95%; 98%, 1983; 97%, average. Wheat emerged: 75%; 90%, 1983; 80%, average. Sorghum harvested: 90%, 80%, 1983, 85%, average. Cotton harvested: 45%, 30%, 1983, 35%, average.

OREGON: Rain 18th through 21st. Precipitation totaled 2.50 in. at coast, 1.40 in. at other western areas, and less than 0.50 in. east of Cascades. Temperatures were normal in west, and 2° below normal east of mountains.

Winter wheat 96% planted, 90% emerged; in 1983 98% planted, 96% emerged; average 99% planted, 93% emerged. In Willamette Valley, many intended acres may be planted to spring grains, although winter wheat can still be seeded. Filbert harvest near 90% complete; very late due to rains. Walnuts still being harvested. Dormant sprays being applied to berries and fruit trees. In Klamath Basin, 10% potato crop still in ground, probably won't be harvested. Livestock in good condition. In the east, some winter feeding has begun. Much movement into feedlots.

PENNSYLVANIA: This week was cooler and drier than normal. The only rainfall recorded was light amounts on the 19th throughout the State, and on the 21st in the western section and the middle Susquehanna Valley. The average statewide temperature for the week was 31°, 7° below normal. Average precipitation was 0.14 in., 0.62 in. below normal.

Moisture adequate to surplus. Activities: Harvesting grain corn and soybeans; some fall plowing. Soybeans 91% harvested, last year 91%. Corn for grain 76% harvested; last year 90%, average 89%. Feed from pasture mostly average.

PUERTO RICO: Island average rainfall 0.59 in. or 2.74 in. below normal. Highest weekly total 3.08 in. Highest 24-hour total 1.27 in. Temperature averaged about 78 to 77° on coasts and 73° interior divisions. Mean station

temperature ranged from 64.5 to 79.3°. Extremes 90 and 53°.

SOUTH CAROLINA: Weather averaged colder, drier than usual. Colder air pushed mercury 10° below normal first of week. Temperatures gradually reached near seasonal values late in week. Rainfall was light. Moderate amounts of rain fell late in week along the south coast causing strong onshore winds, high tides and considerable beach erosion south of Charleston.

Soil moisture short. Days available for fieldwork: 5.7. Soybean condition fair. Soybean yields continue to look better, 98% shedding leaves, 100% last year, 100% average; 96% mature, 92% last year, 96% average, 58% harvested, 45% last year, 55% average. Cotton condition good. Quality excellent; 93% harvested, last year 100%, 95% average. Sorghum condition fair to good; 90% harvested, 94% last year, 91% average. Tobacco harvest complete; 95% stalks destroyed, 100% last year. Wheat condition fair to good, 51% planted, 57% last year, 72% average, 38% emerged, 45% last year, 59% average. Oats condition fair to good; 87% planted, 83% last year, 84% average, 70% emerged, 73% last year, 73% average. Rye condition fair to good; 84% planted, 79% last year, 85% average, 68% emerged, 69% last year, 76% average. Barley condition fair to good; 85% planted, 84% last year, 86% average, 70% emerged, 71% last year, 77% average.

SOUTH DAKOTA: Average temperatures were 2 to 9° above normal. Extremes: 71 and 3°. Preciptation was light in a few locations.

Days suitable for fieldwork: 6.0. Topsoil moisture supplies mostly adequate east, short and critically short west. Major farming activities included fall tillage and fertilizing, working cattle and calves, marketing calves, and preparing for winter. Some supplemental feeding of livestock taking place and some full feeding starting. Sorghum harvested 99%, 1983 100%, average 98%. Corn harvested 98%, 1983 100%, average 95%. Winter wheat planted 100%, 1983 100%, average 100%. Winter wheat emerged 100%, 1983 100%, average 100%.

TENNESSEE: A cold front moved through the State on the 18th and a high pressure system dominted the weather the remainder of the week. Temperatures averaged in the 30's to low 40's. Extremes ranged from 67° (Memphis) to 17° (Bristol). Rainfall was heavy on the 18th with amounts over 1.00 in. common in many areas.

Farmers averaged 3.5 days of fieldwork. Soil moisture levels: 54% surplus, 43% adequate, 3% short. Corn harvested: 84%, 1983 93%, average 98%. Cotton harvested: 70%, 1983 97%, average 90%. Soybeans harvested: 52%, 1983 89%, average 90%. Sorghum harvested: 83%. Burley tobacco stripped: 70%, 1983 63%, average 73%. Wheat sown: 42%, 1983 87%, average 89%. Pastures and livestock in mostly good condition.

TEXAS: Slow moving high pressure system kept most Texas cool, dry midweek series weak cold fronts through State. Late week upper level storm southwest Texas. Spreading rains across West Texas. Storm tracked eastward 25th light rain showers most North East Texas. Rainfall averaged 0.50 in. above normal Rolling Plains Trans-Pecos region. Precipitation east central Texas averaged 2.00 in. below normal rainfall totals extreme South Texas along coast. Normal totals range 0.10 in. far West Texas over 1.00 in. southeast. Temperatures 4 to 7° below normal statewide. Normal temperatures range the mid-40's Plains upper 60's extreme South Texas.

Crops: Rain cooler temperatures returned most State. Fieldwork standstill many areas. Producers southern High Plains await killing freeze resume cotton harvest. Good growth reported small grain pastures ranges. Livestock conditions steady; good conditions. Haying activities halted except East Texas. Cotton harvest High Plains slowed cloudy, rainy, cold conditions. Yields excellent irrigated dryland fields. Producers awaiting good killing freeze begin continue harvest operations. Statewide current condition rated 65% normal compared 44% year ago. Reported conditions 51%, good; 25%, fair; 18%, poor; 6%, failure. Grain sorghum harvest virtually completed. Yields statewide above year ago. Many producers now turning cattle in fields graze. Peanut harvesting behind schedule delayed many areas inclement weather. Many fields continue show losses pod rot late harvesting. Harvest pick up as weather permits. Drier weather needed soybean harvest major producing areas. In High Plains, harvest complete soon conditions improve. Coast, many fields clean-up stage; however, some fields await further harvest. Sugarbeet harvest continues ahead schedule. Yields good. Sugarcane harvest Rio Grande Valley good progress. Yields good. Seeding wheat and small grains delayed. Planted fields benefitted additional moisture show good growth. Cooler weather slowed rust greenbug. Most fields High Plains with good sub-surface moisture. Livestock turned in on fields grazing. Current wheat condition rated 82% normal. Reported conditions 10%, excellent; 58%, good; 30%, fair; 2%, poor.

Cotton open bolls 93% 1984, 100% 1983, 98% average; harvested 47% 1984, 64% 1983, 58% average. Sorghum harvested for grain 96% 1984, 98% 1983, 99% average. Wheat planted, all purposes 98% 1984, 94% 1983, 94% average; emerged 87% 1984, 84% 1983, 83% average. Peanuts harvested 75% 1984, 87% 1983, 86% average. Soybeans harvested 86% 1984, 85% 1983, 85% average. Sugarbeets harvested 90% 1984, 86% 1983, 81% average. Pecans harvested 52% 1984, 49% 1983, 45% average. Sunflowers harvested 79% 1984, 97% 1983, 93% average. Oats planted for grain 99% 1984, 95% 1983, 92% average.

Commercial Vegetables: Rio Grande Valley, fall vegetables good progress. Light supplies cabbage, cucumbers, bell peppers, broccoli reported. San Antonio-Winter Garden, movement cabbage expected increase as weather permits. Light volumes cucumbers beets reported. Good progress made fall vegetables. Irrigation needs increased. Trans-Pecos, light volumes chili peppers cabbage. Cooler temperatures slowed progress. East Texas, sweetpotato harvest virtually complete. Most fieldwork stalled due wet conditions. Vegetables good progress. Pecan harvest continued, pace slowed rainy conditions. Harvest ahead schedule, crop short.

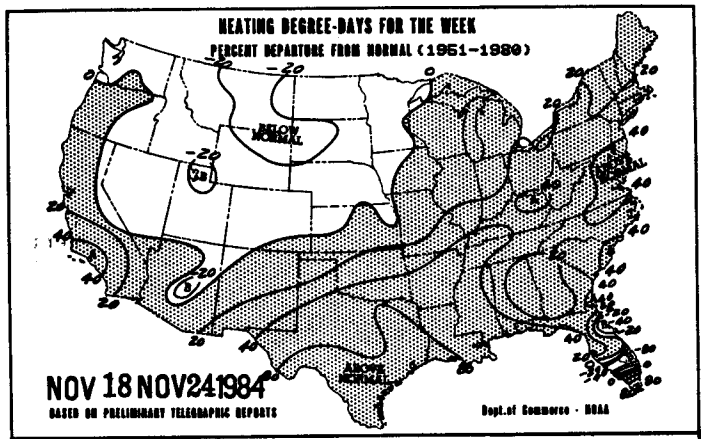
Range and Livestock: Native improved pastures benefit recent showers. Some pastures High Plain minor setbacks colder temperatures. Growth across State good. Haying operations halted except East Texas. Small grains providing excellent grazing, however, producers concern over-grazing. Livestock good condition.

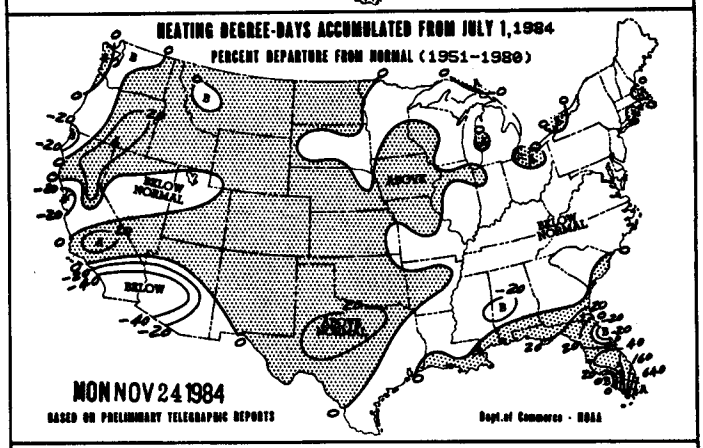
UTAH: Precipitation generally zero to trace. Only one station reported measurable. Temperatures averaged 1° above normal, ranging 6° below to 4° above.

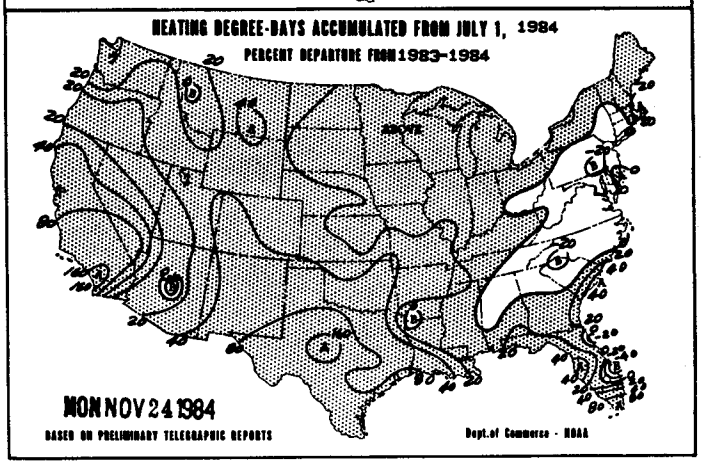
Sorting and marketing of apples, onions, and potatoes continued. Livestock in good condition. Routine care and feeding of on-farm animals major activity.

VIRGINIA: Well below normal temperatures prevailed with averages ranging about 10° below normal. High pressure system hung over the area beginning the 21st. Extremes: 70 and 10°. Precipitation was moderate, occurring over State on 24th and 25th averaging 0.75 in. This fell as rain, except in northwestern sections where first snowfall was reported this season.

Fair, cool days allowed 6.7 days suitable for fieldwork. Topsoil moisture ratings 19% short, 76% adequate and 5% surplus. Corn for grain harvest 92% complete, 98% last year, 95% average. Late planting and high moisture earlier causing late harvest. Soybean harvest 83% complete, 64% last year, 75% average. Sorghum harvest 83% complete, 69% last year, 74% average. Wheat seeding 92% complete, 85% last year, 88% average. Burley, sun, fire-cured tobacco being prepared for market. Livestock and pasture in good to excellent condition.







Fence and machinery repair, wood cutting, soil conditioning, other normal fall chores in progress.

WASHINGTON: Cool wet weather.

Winter wheat growth curtailed. Harvest nearly complete for potatoes and grain corn. Pruning continues on fruit and berries. Late vegetables being harvested. Livestock in good condition on fall pastures. Winter wheat seeded 100%, 100% 1983, 100% average. Winter wheat emerged 100% 1984, 100% 1983, 100% average.

WEST VIRGINIA: Temperatures averaged nearly 8° below normal across the State, except for southwest and central areas where they averaged 10° below normal. Precipitation well above normal except in the northwest and northeast where rainfall was near normal. Low of 6° at Green Bank, high of 61° at Franklin, Burlington and Charles Town.

Soil moisture adequate. Days worked averaged 4.0. Corn in good condition with 85% harvested and 15% mature. Pasture in fair condition. Main activities: Corn harvesting and general maintenance.

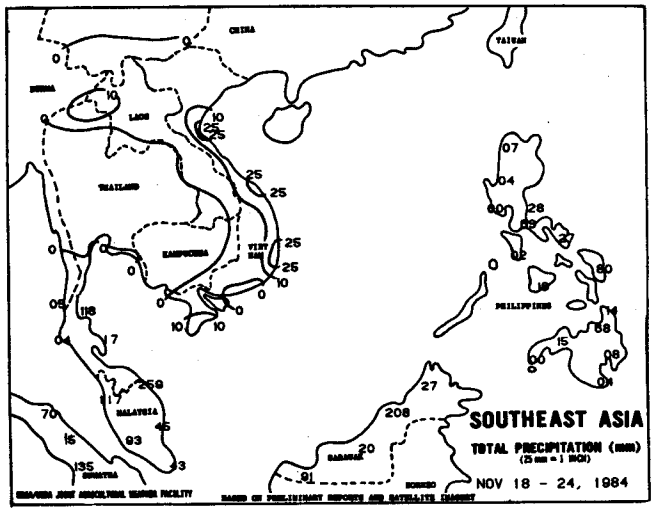
WISCONSIN: There was no significant precipitation during the week. Overnight lows from below 10° to the teens early in the week froze the soil enough to allow machinery onto the still wet soil. Temperatures moderated towards the weekend, softening the soil once again, but allowing more fall plowing.

Soil moisture was still rated adequate to surplus. There were 7.0 days suitable for fieldwork during the week. Corn for grain harvested was 90% complete, 97% last year and an average of 90%. Soybeans were 95% harvested, last year 100% and a average of 97%.

WYOMING: Temperatures slightly above normal with exception of northwest corner. No precipitation recorded.

Winter wheat mostly good condition. Corn harvest continues. Livestock mostly good condition. Livestock producers continued marketing.

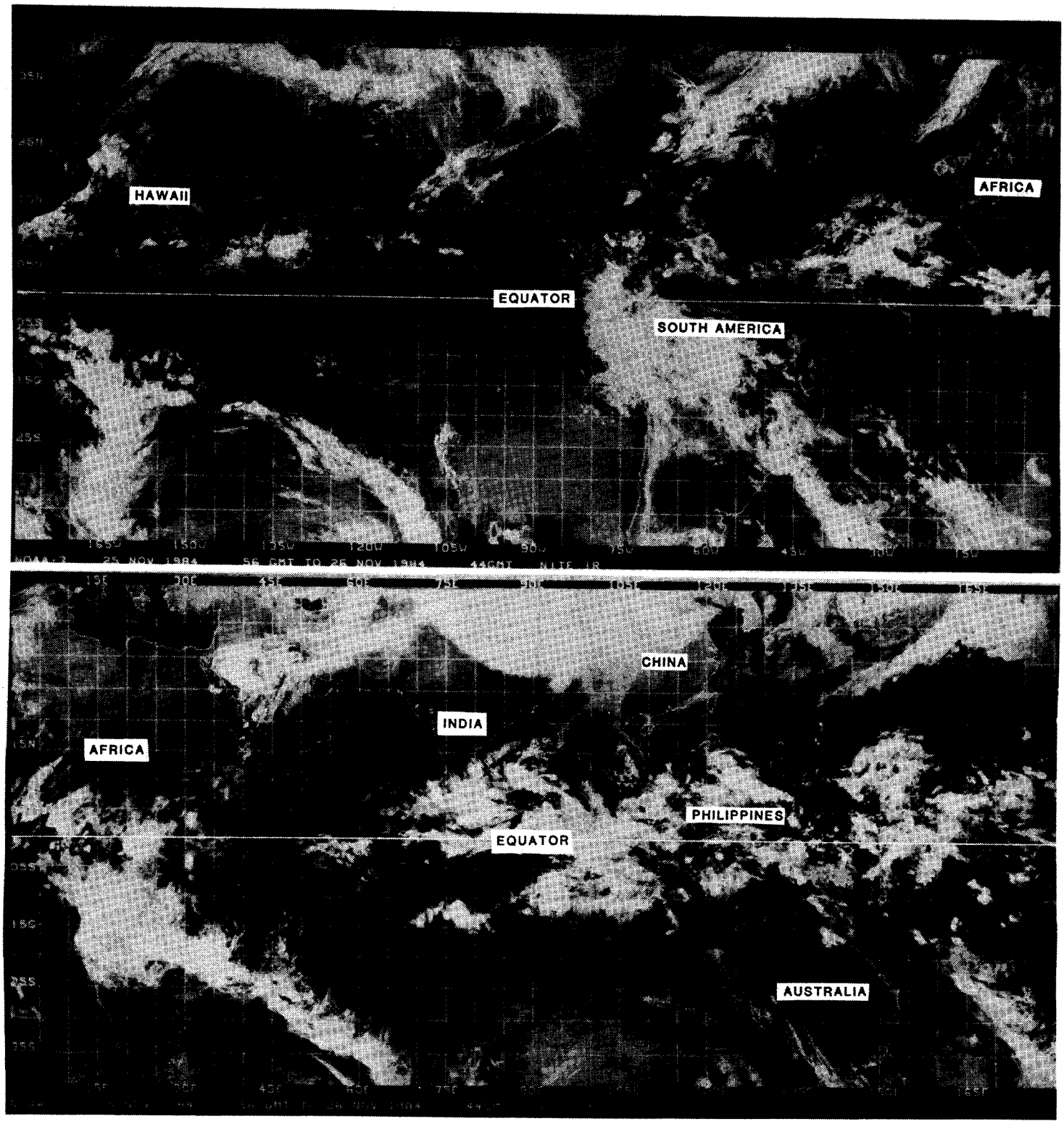
(continued from p. 19)



SOUTHEAST ASIA...Favorably dry weather covered most of Thailand where rice is in the filling stage. Moderate rain in Vietnam was unfavorable for maturing rice. Moderate, scattered rain fell in the Philippines, but mostly dry weather in central Luzon favored rice harvesting.

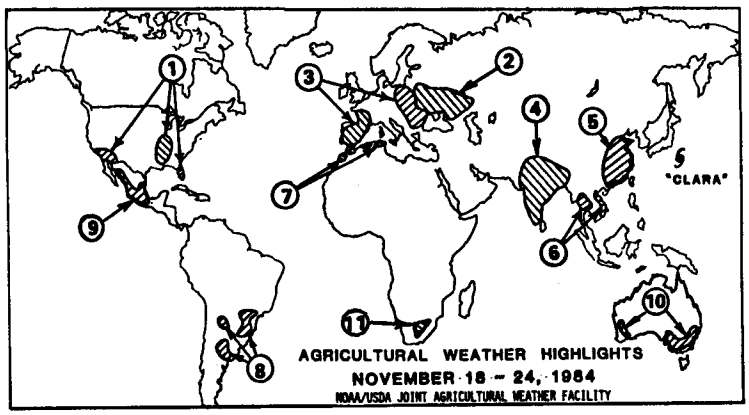
GLOBAL WEATHER SATELLITE PHOTO

November 25-26



International Weather and Crop Summary

November 18-24



HIGHLIGHTS:

1. UNITED STATES ... Wetness continues hampering the Delta's cotton harvest. Stormy weather damages some of Florida's east coast crops, but brings beneficial moisture further inland. The first significant fall storm in the Southwest delays some vegetable harvests. Over other major crop areas, fair weather favors outdoor activities.

2. WESTERN USSR ... Temperatures moderate considerably in the winter grain region. Precipitation, snow in the north and rain in the south, covers the area.

3. EUROPE ... Heavy rain and high winds halt England's sugar beet harvest. Wet weather hampers France's late corn harvest, but aids Spain's winter grain planting. Rain also benefits winter grains in Romania and Bulgaria.

4. SOUTH ASIA ... Dry weather favors rice, cotton, and groundnut harvesting in most of the region.

5. EASTERN ASIA ... Sub-freezing temperatures push as far south as Henan for the first time this season. Weather favors harvesting in the south.

6. SOUTHEAST ASIA ... Dry weather favors Thai rice. Moderate rain in Vietnam was unfavorable for maturing rice.

7. NORTHWESTERN AFRICA ... Showers aid winter grain planting and emergence in northeastern Algeria and northern Tunisia. Drier weather (following last week's heavy rain) favors fieldwork in northwestern Algeria. Mostly dry weather covers Morocco's crop areas.

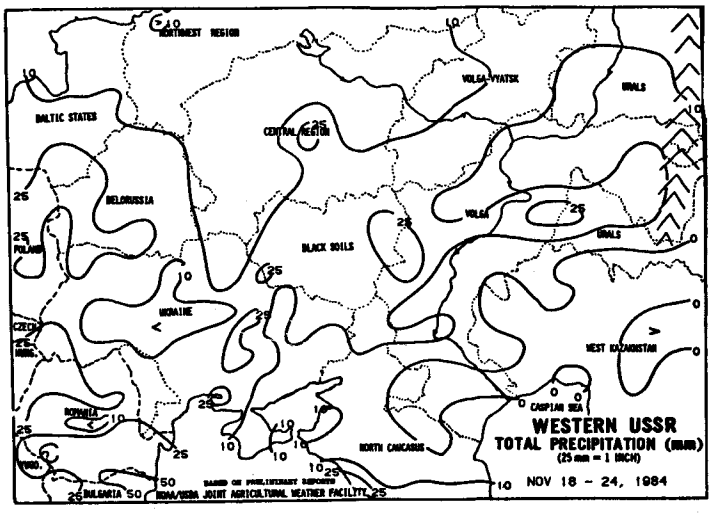
8. SOUTH AMERICA ... Dry weather in Rio Grande do Sul slows soybean planting, while rain in Brazil's northern soybean areas aid crop establishment. In Argentina, wetness slows summer crop planting and early wheat harvesting, but benefits grain-filling wheat in the south.

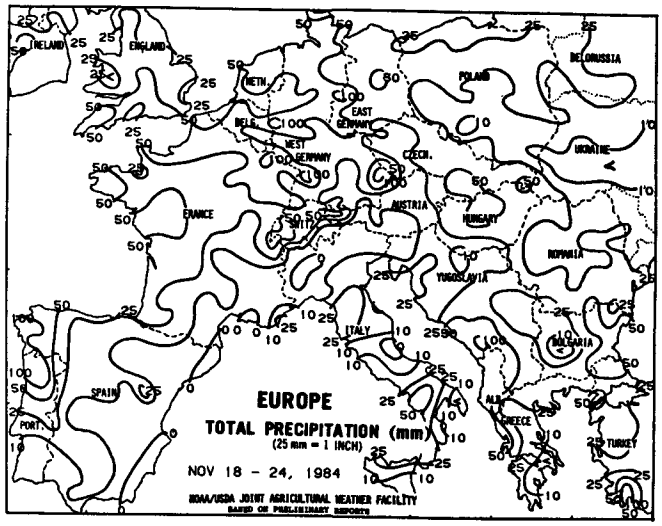
9. MEXICO ... Weather generally favors agricultural activities. Unseasonable coolness in the northeast induces color in citrus, but slows vegetable development.

10. AUSTRALIA ... Mostly dry weather favors early wheat harvesting across the grain belt. The harvest is 25 percent complete in Queensland, slowed by earlier wetness.

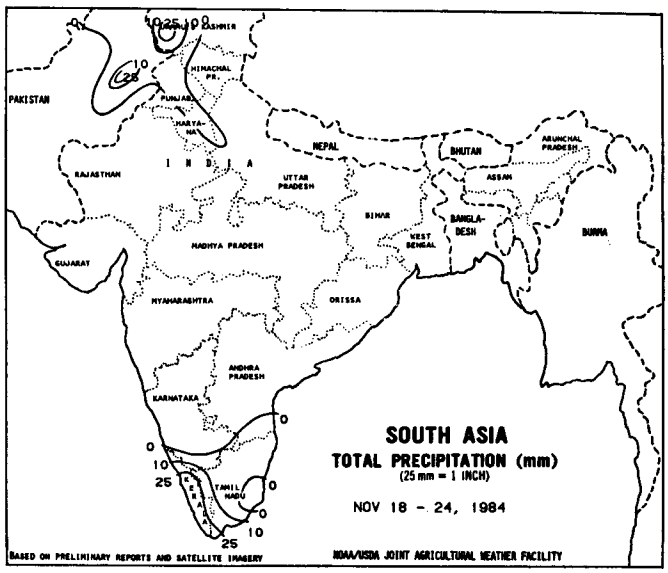
11. SOUTH AFRICA ... Unfavorable dryness hampers planting and emergence in the western Maize Triangle. Rain decreased over most of the region the past few weeks.

WESTERN USSR...Following last week's cold outbreak, temperatures began to moderate. By late in the week, nighttime lows were mostly above freezing in the Ukraine and North Caucasus. Average temperatures remained cool enough to keep winter wheat dormant in most of the region. Snow cover was reduced in most of the winter grain area, except the northern fringes. Late-week precipitation (10-25 mm) spread through the Ukraine and Volga Valley, with snow falling in the northern Black Soils and middle Volga Valley. In the north, temperatures remained mostly below freezing with light to moderate precipitation throughout the areas.

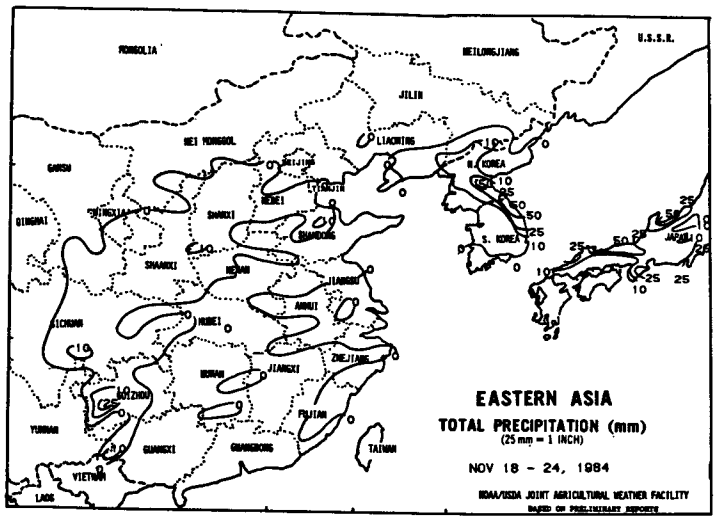




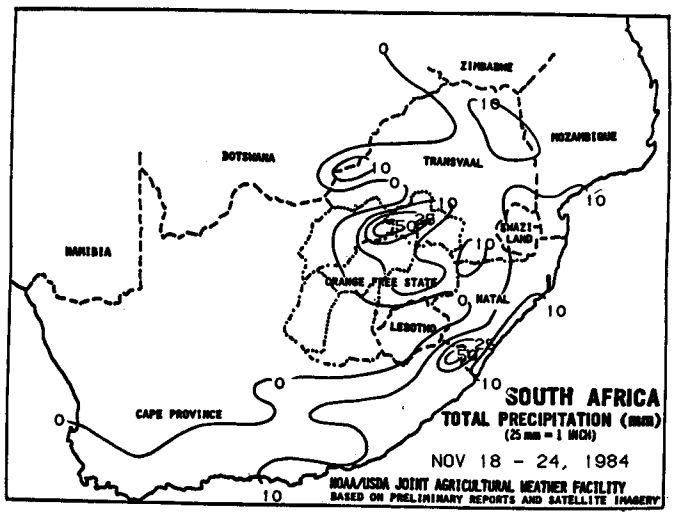
EUROPE...Wet weather covered much of Europe, with locally heavy rain falling over the northwest and southeast. High winds accompanied an intense storm over England, halting the sugar beet harvest. The storm produced substantial precipitation across the winter grain areas of northern Europe. Rain also hampered late corn harvesting in southwestern France, while additional moisture over western Spain and Portugal aided winter grain planting. Another storm, which developed over the western Mediterranean Sea, spread rain across Italy into southeastern Europe. Following a long dry spell, rain in southern Romania and Bulgaria improved moisture conditions for winter grains. Temperatures were generally above average in western Europe. Cold weather prevailed during the first half of the week in eastern Europe, but a warming trend followed. Winter grain growth was limited in the southeast.



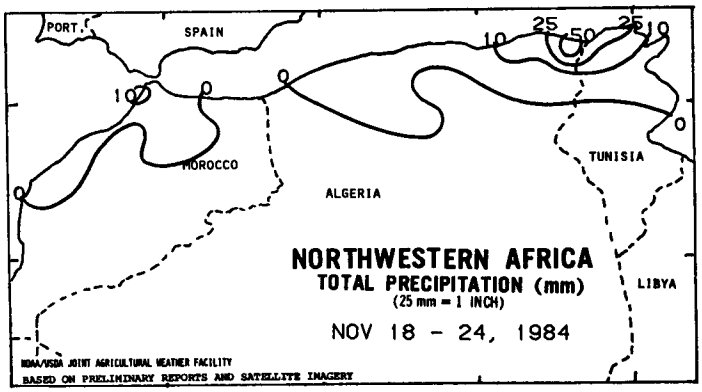
SOUTH ASIA...Seasonably dry weather covered much of central and northern India. Dry weather in the east favored winter rice harvesting. Dry weather in Andhra Pradesh and Karnataka benefited cotton and groundnut harvesting. Above-normal temperatures in Punjab, Haryana, Uttar Pradesh, Rajashthan, and Madhya Pradesh increased evaporation rates for jointing wheat. Soil moisture is limited in Madhya Pradesh, hampering early wheat growth. Isolated, moderate to heavy rain was unfavorable for harvesting in northern Pakistan while dry weather benefited harvesting in the south.



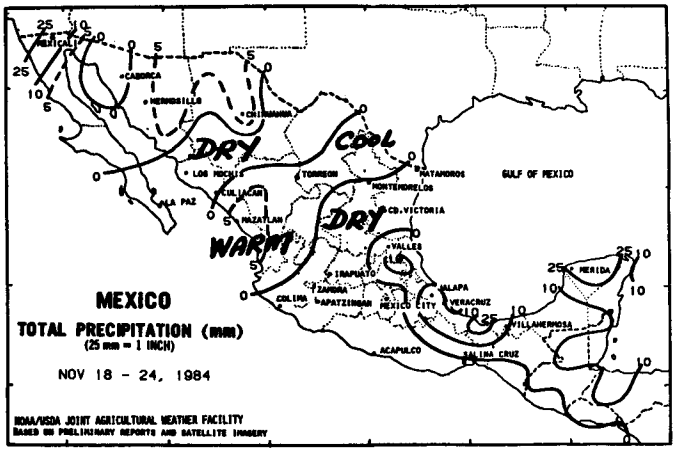
EASTERN ASIA...The first significant cold air pushed into the North China Plain. Following mostly above-normal temperatures since early October, temperatures averaged below normal in Hebei, Shandong, and Henan. Nighttime lows were 0 to -5 °C early in the week, but mostly above freezing later in the week. Winter wheat had not entered dormancy, but temperatures were not low enough to cause damage. Near- to above-normal temperatures continued in Anhui and Jiangsu. Light, scattered showers fell in the North China Plain. Mostly dry, warm weather favored late rice harvesting in the south.



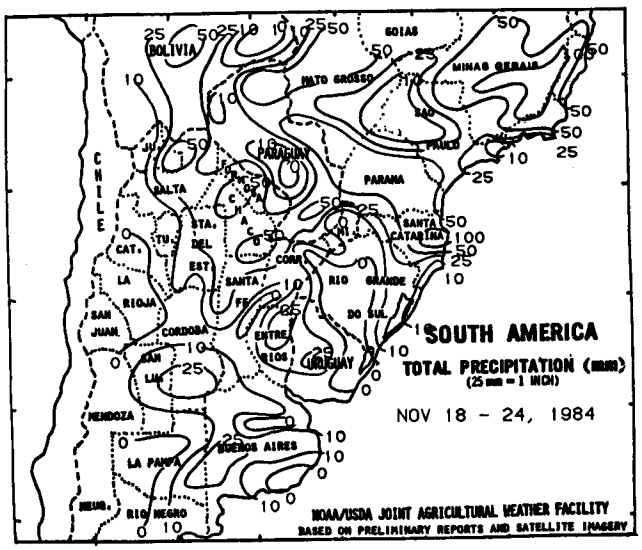
SOUTH AFRICA...Following adequate early-season rains in most areas, precipitation decreased during the past three weeks. The western third of the Maize Triangle (western Transvaal and western Orange Free State) is the driest area. Temperatures averaged cooler than last week, slightly reducing the moisture loss. The dry weather in the west has been unfavorable for emerging corn. Corn planting can continue into December in the west, but additional moisture is needed to complete planting. Most of the crop is planted in the eastern Maize Triangle where moisture has been more plentiful. Light to moderate rain (10-50 mm) benefited part of the eastern Maize Triangle this week but some dry pockets exist. Dry weather continued in west.



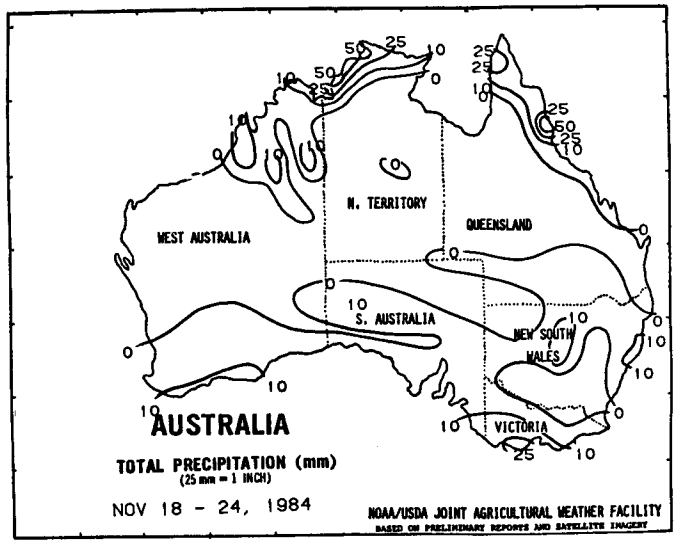
NORTHWESTERN AFRICA...Light showers (less than 5 mm) fell over most winter grain areas. Heavier rain (10-52 mm) fell over extreme northeastern Algeria and northernmost Tunisia, improving the northeast's moisture supplies for planting and early growth. Welcomed drier weather (following last week's heavy rain) aided fieldwork in Algeria's northwestern crop areas. The early-week storm developed too far east to benefit Morocco's winter grain areas. In general, topsoil moisture is adequate for planting and emergence, especially in Algeria and Tunisia where sufficient rain fell during the past two weeks. Following two weeks of generally light rainfall, topsoil moisture may be limited in Morocco.



MEXICO...Weather conditions generally remained favorable for agriculture, even though the northeastern half of the Nation was unseasonably cool. Temperatures averaged 1-4° C cooler than normal over most of the northeast, inducing color in citrus but slowing vegetable development. West coast vegetable areas were seasonably warm and dry, favoring crop development and harvest. Widely scattered light rain slightly interferred with harvesting over the southeastern third of the country and over Central America.

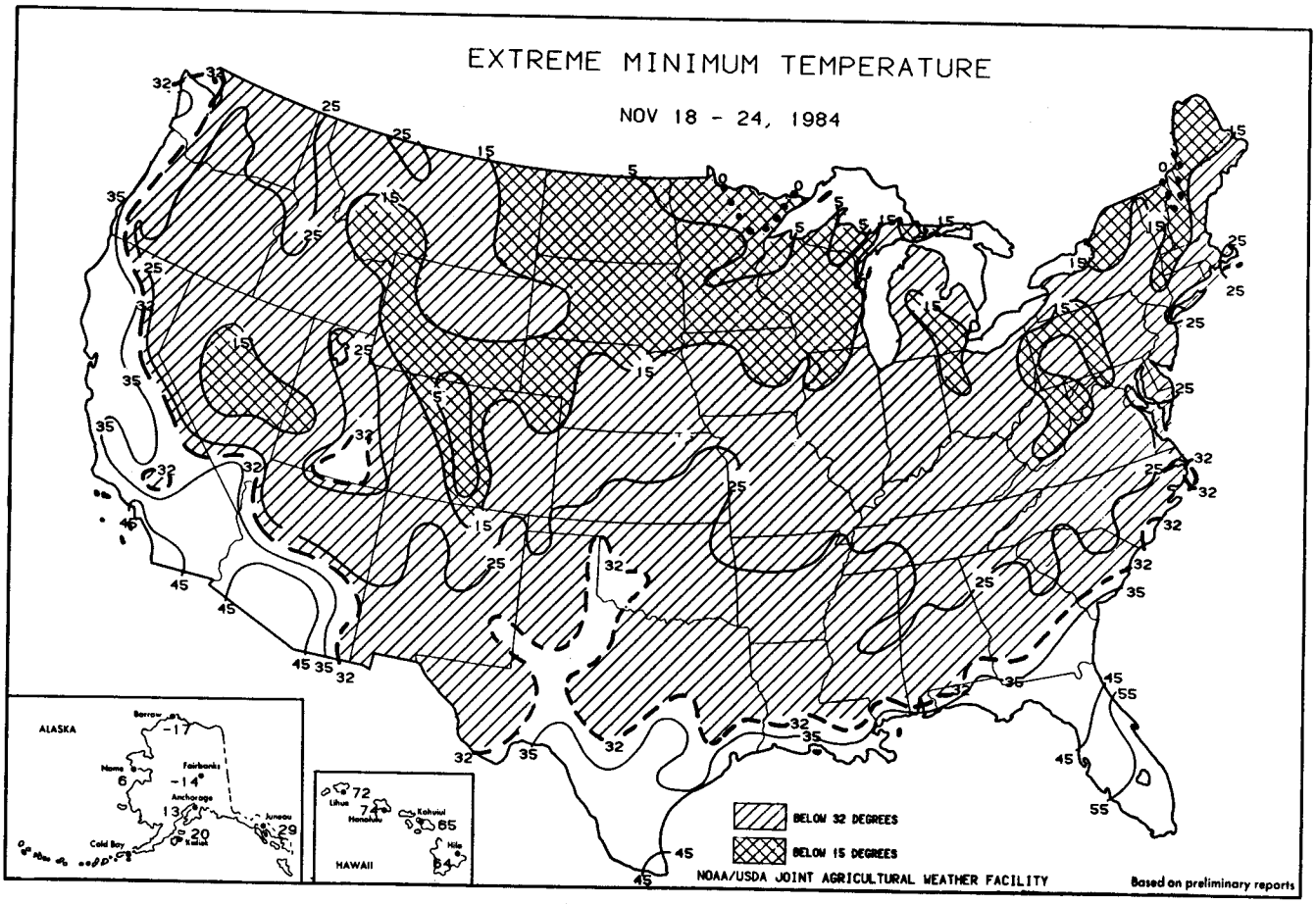


SOUTH AMERICA...Mostly dry weather for nearly 2 weeks reportedly halted soybean planting at 50 percent completion in Brazil's Rio Grande do Sul. Widespread rain (50-158 mm) fell over Parana, Mato Grosso do Sul, and Minas Gerais. This rain further alleviated earlier dryness in northern soybean areas. Soybean planting in Parana is nearly 60 percent completed. Brazil's overall progress is nearly 50 percent planted, somewhat behind last year's pace. In Argentina, wetness slowed cotton planting in Chaco and Formosa, and sorghum planting in southern Cordoba. Summer crop planting advanced slowly in recent weeks due to showery weather. The wheat harvest is beginning in southern Santa Fe, but wetness slowed maturation. Rain in southwestern Buenos Aires and eastern La Pampa benefited grain filling wheat.



AUSTRALIA...Mostly dry weather improved harvest conditions in southeastern Queensland and northern New South Wales. Earlier wet weather slowed wheat harvesting, which is about 25 percent completed in Queensland. The moisture promoted early season growth of summer crops. The wheat harvest has just begun elsewhere in the wheat belt, where scattered, light showers (generally less than 5 mm) were insignificant for fieldwork. Some heavier showers (10-34 mm) fell along Western Australia's and Victoria's southern coastal areas, benefiting late planted wheat and barley, as well as grazing land. Late maturation of a significant portion of the wheat crop due to planting delays will likely extend this year's harvest season in southern New South Wales, Victoria, and South Australia.

(continued to p. 15)



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