

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

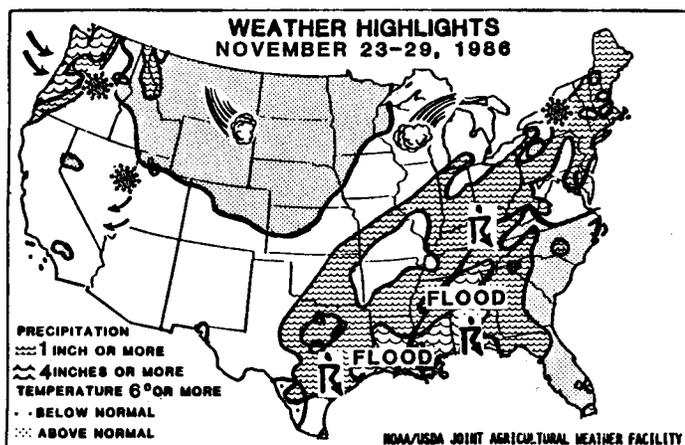
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Dec. 2, 1986

National Weather Summary

NOV. 23 to 29, 1986



HIGHLIGHTS: A storm system developed in eastern Texas and moved northeastward through New England, spreading showers and thunderstorms along its path. Heavy showers fell from southeastern Texas to Alabama, causing local flooding. Moderate rain showers and melting snow caused flooding from eastern Ohio to eastern New York. A succession of Pacific storms spread heavy rain along the Northwest coast with snow confined to the Cascade Mountains. Late in the week, colder air spread over the Northwest and snow showers were widespread from the Great Basin to the Rockies. Average temperatures were warmer than normal in most of the Nation, but the southern Great Plains were as much as 5 degrees colder than normal. As the week ended, much warmer air moved northward through the Great Plains.

SUNDAY... Heavy showers and thunderstorms continued from eastern Texas to eastern Kentucky, while lighter precipitation reached from the Mississippi Valley to the Carolinas and through New England. Snow fell in the upper Mississippi Valley and parts of New England. High wind accompanied heavy rain along the Northwest coast.

MONDAY... Thunderstorms triggered heavy showers from eastern Texas to the southern half of Alabama. Local flooding resulted from southeastern Texas into southwestern Louisiana. Clear weather spread through the Midwest, but light rain or showers covered the East Coast States. Heavy rain along the Northwest coast slackened late in the day, but light showers spread to northern California and the northern Rockies.

TUESDAY... A strong storm system, developing in eastern Texas, spread thunderstorms across the South and through the Ohio Valley. Showers reached to southern New York and into Michigan. The Northwest had only light rain with snow at higher elevations, but strong, gusty winds swept through much of the West and northern Plains.

WEDNESDAY... The storm from Texas moved rapidly northeastward through New England, spreading showers and occasional thunderstorms from the middle Mississippi Valley through New England and along the east coast from Georgia northward. Local flooding occurred from eastern Ohio through New England. Another storm off the Northwest Coast brought rain to Washington and Oregon and showers across the Northwest.

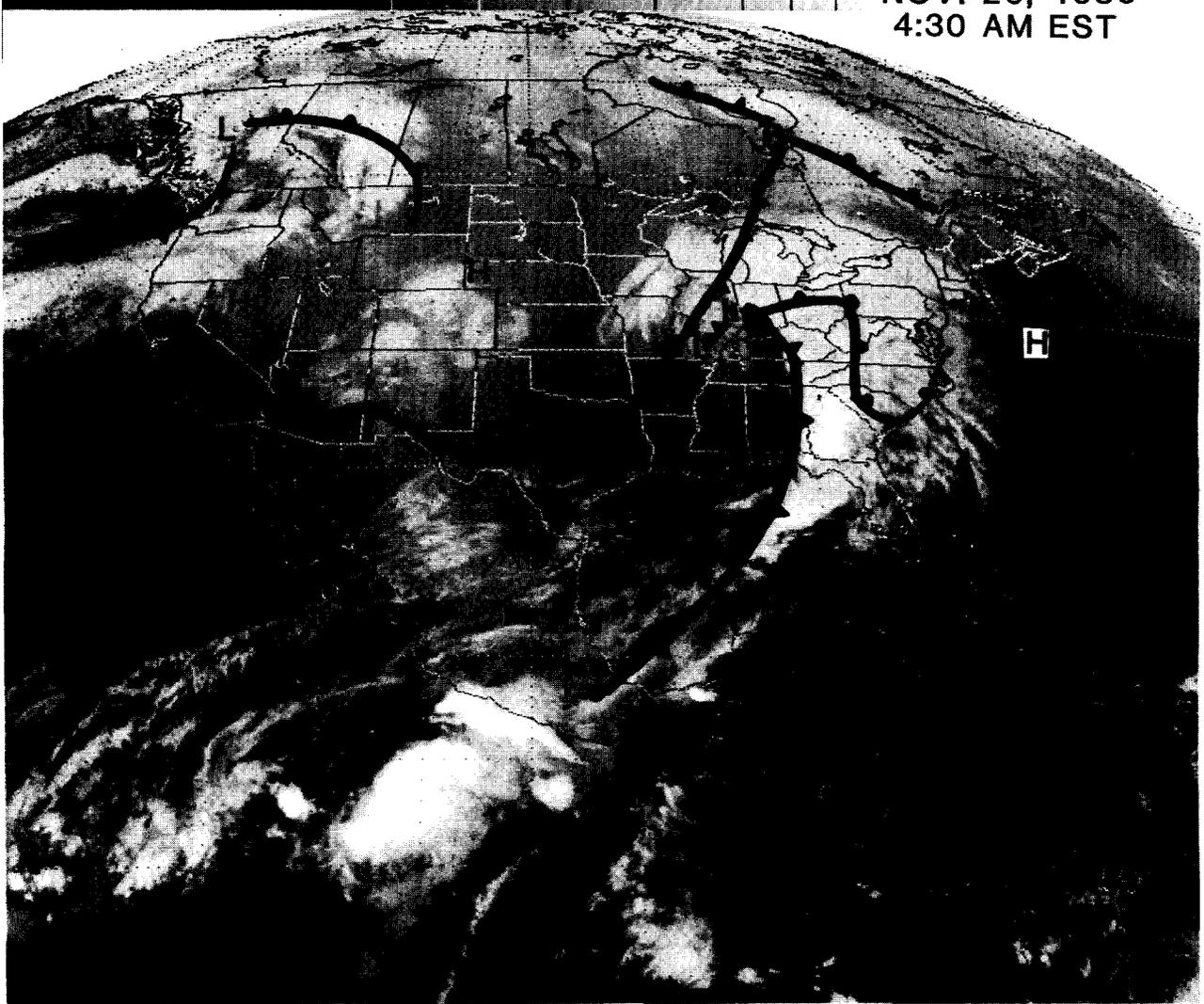
THURSDAY... A warm front in the Gulf of Mexico spread showers all along the Gulf coast. Southern Florida posted record-warm temperatures. The weather cleared over most of the East. In the Northwest, moderate showers continued along the Oregon coast with snow in the Cascades. Lighter showers spread across the northern Rockies.

FRIDAY... The unsettled weather in the Gulf of Mexico spread showers along the eastern portion of the Gulf coast and northward to the Carolina coasts. Showers continued in the Northwest and spread to central California. The weather was cooler in the Northeast, but much warmer weather spread northward through the Great Plains.

SATURDAY... Showers and thunderstorms covered the Southeast with moderate showers falling from southern Louisiana to central and Georgia, and northern Florida. Colder weather moved over the West with snow showers covering much of the area from the central Great Basin and Rockies to the northern Rockies and High Plains.

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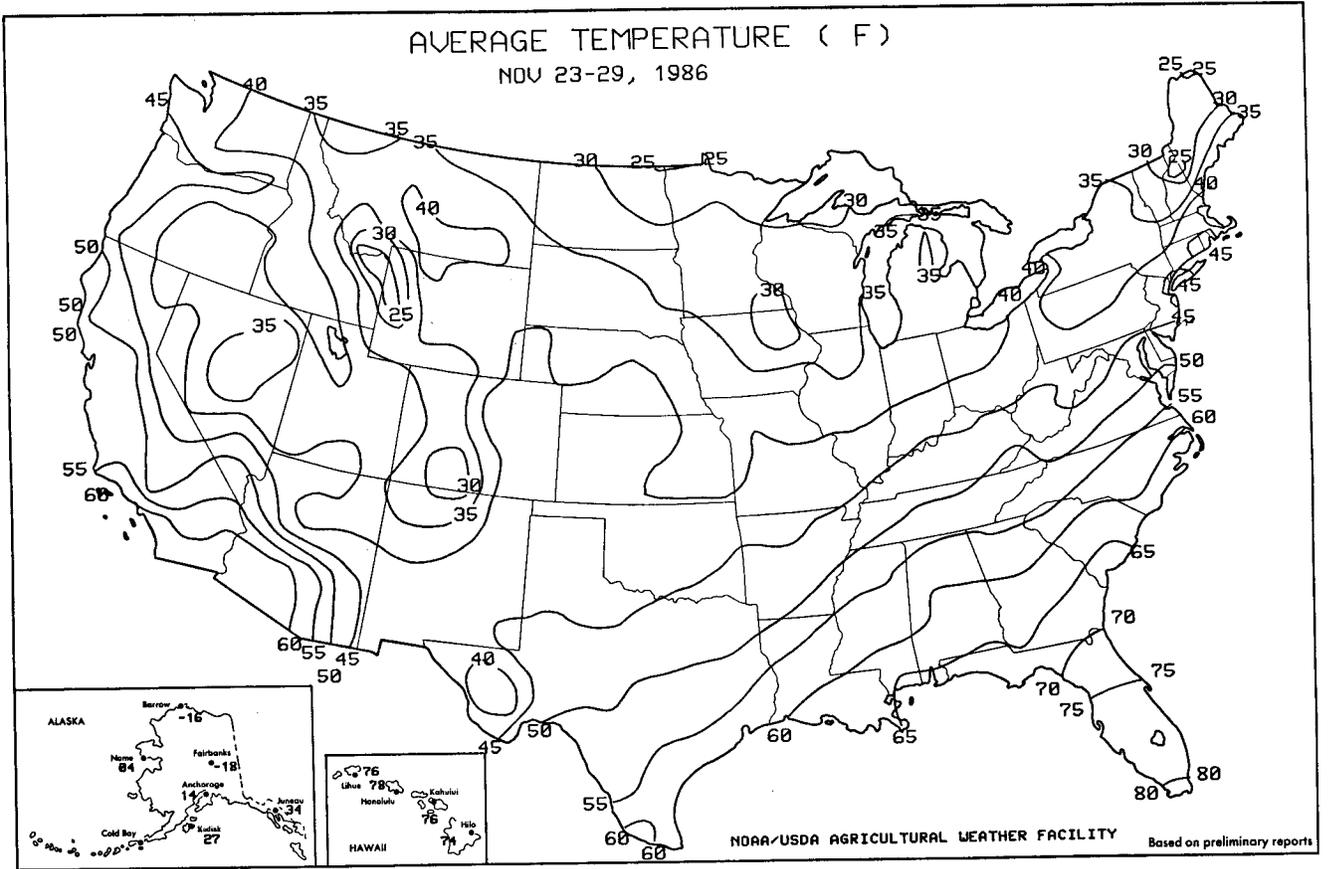
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NOV. 26, 1986
4:30 AM EST

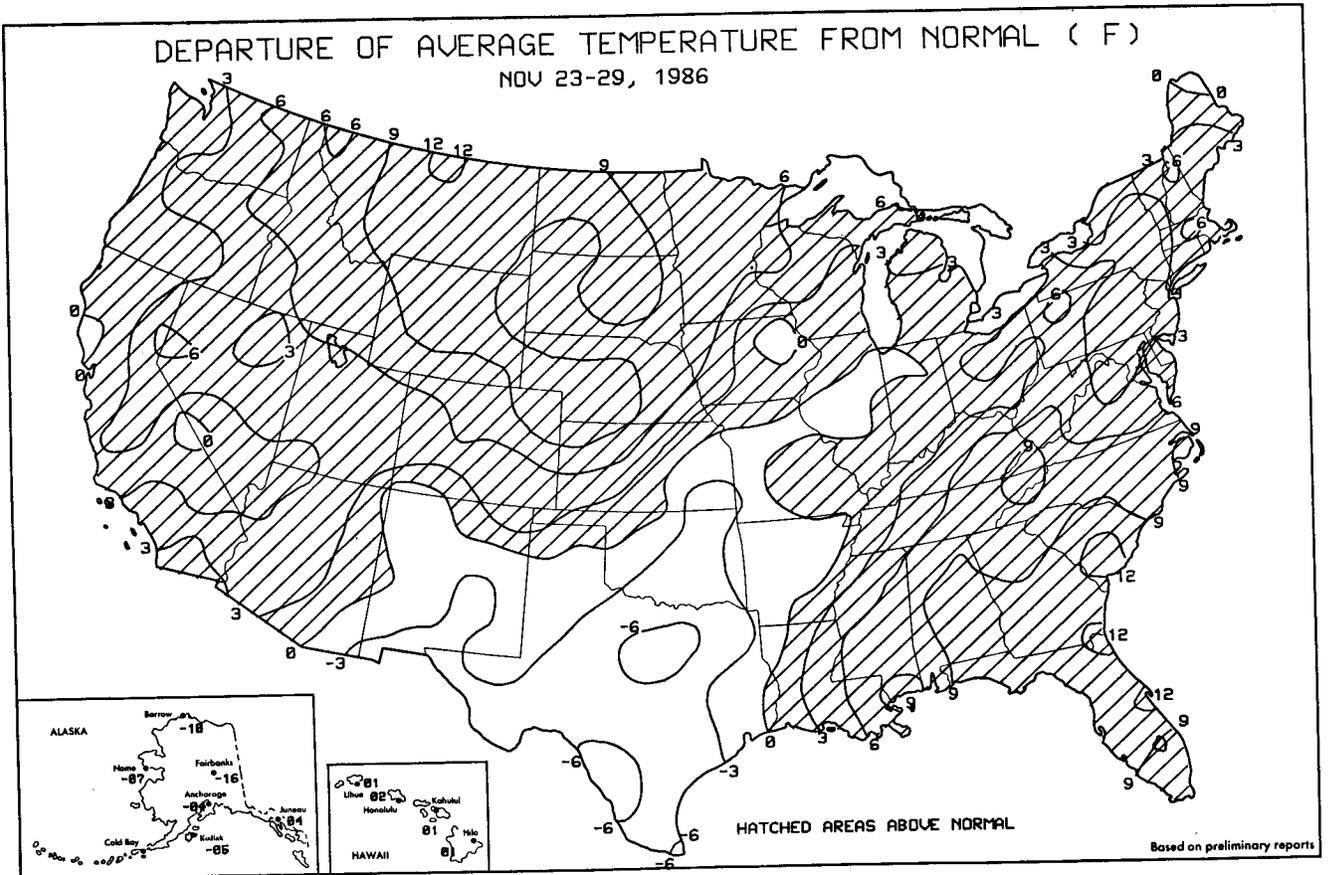
THUNDERSTORMS OCCUR OVER GEORGIA AHEAD OF A FRONTAL SYSTEM, EXTENDING FROM INDIANA TO MEXICO'S SOUTHERN GULF COAST. RAIN FALLS THROUGHOUT THE ATLANTIC COAST STATES, OHIO VALLEY, AND GREAT LAKES REGION.

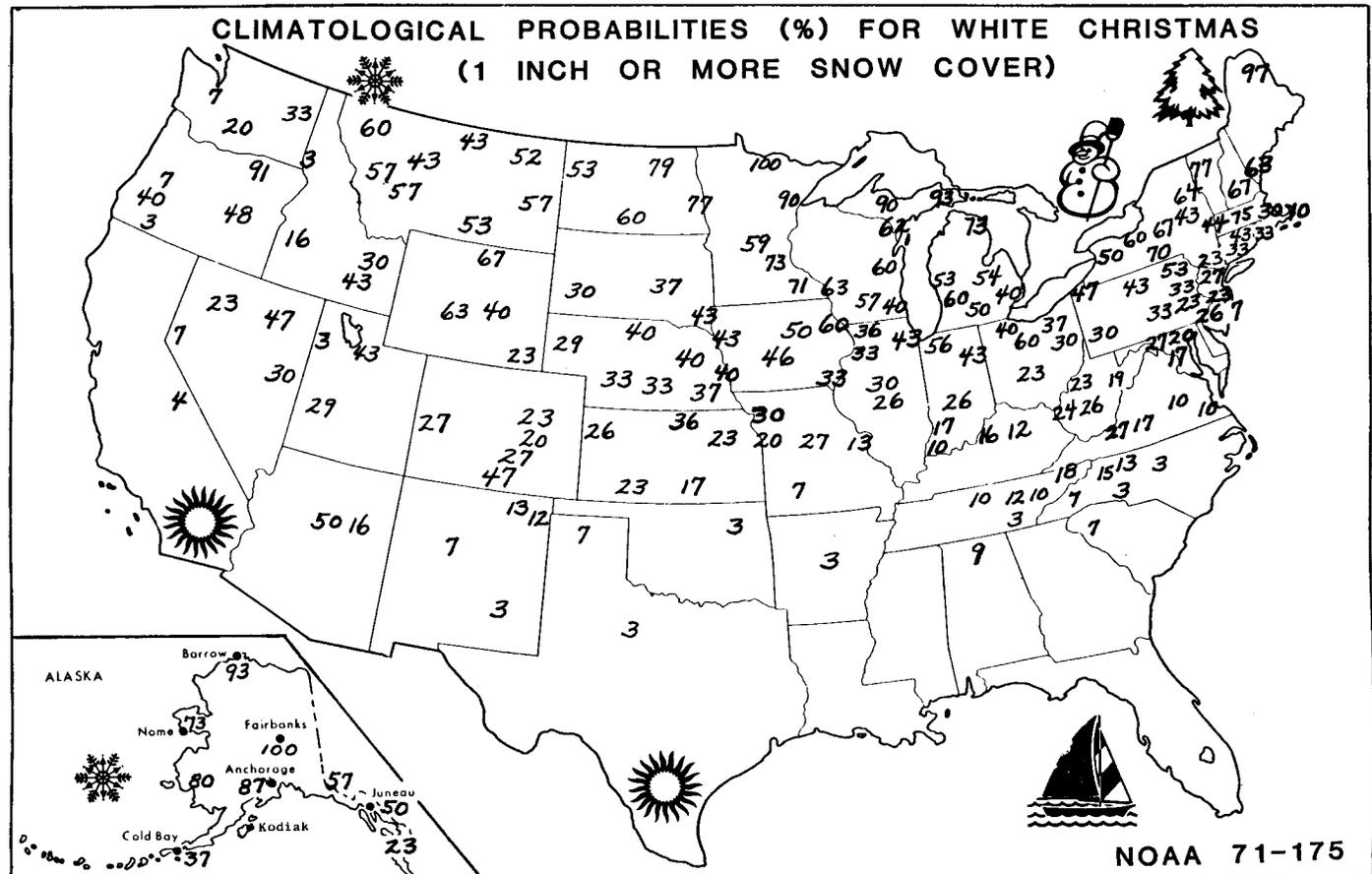
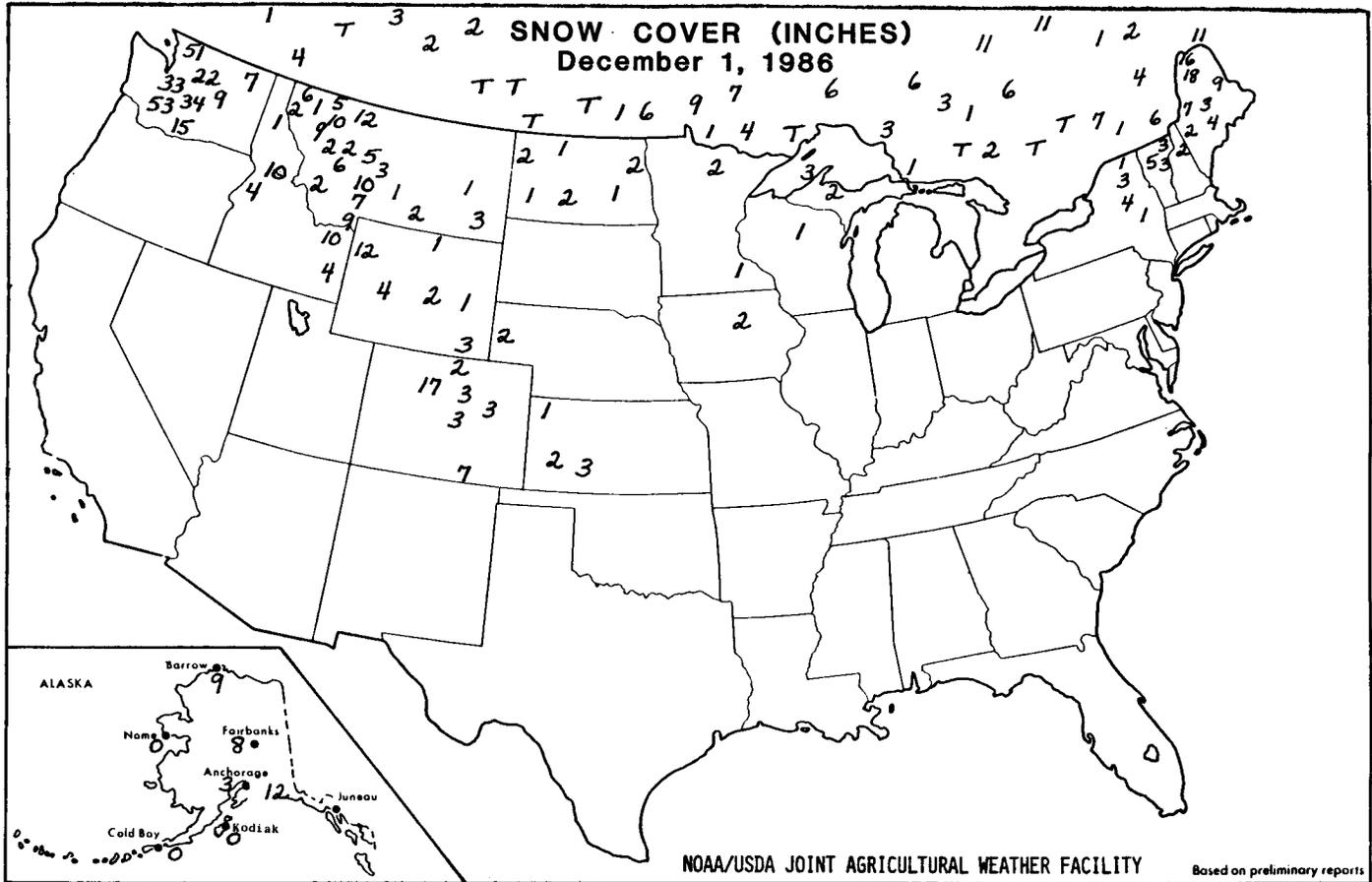
COLDER AIR MOVES INTO THE CENTRAL UNITED STATES BEHIND ANOTHER FRONTAL SYSTEM, EXTENDING FROM JAMES BAY TO THE SOUTHERN PLAINS.

SHOWERS ARE ALONG THE NORTHWEST COAST AS A PACIFIC FRONTAL SYSTEM MOVES ASHORE.

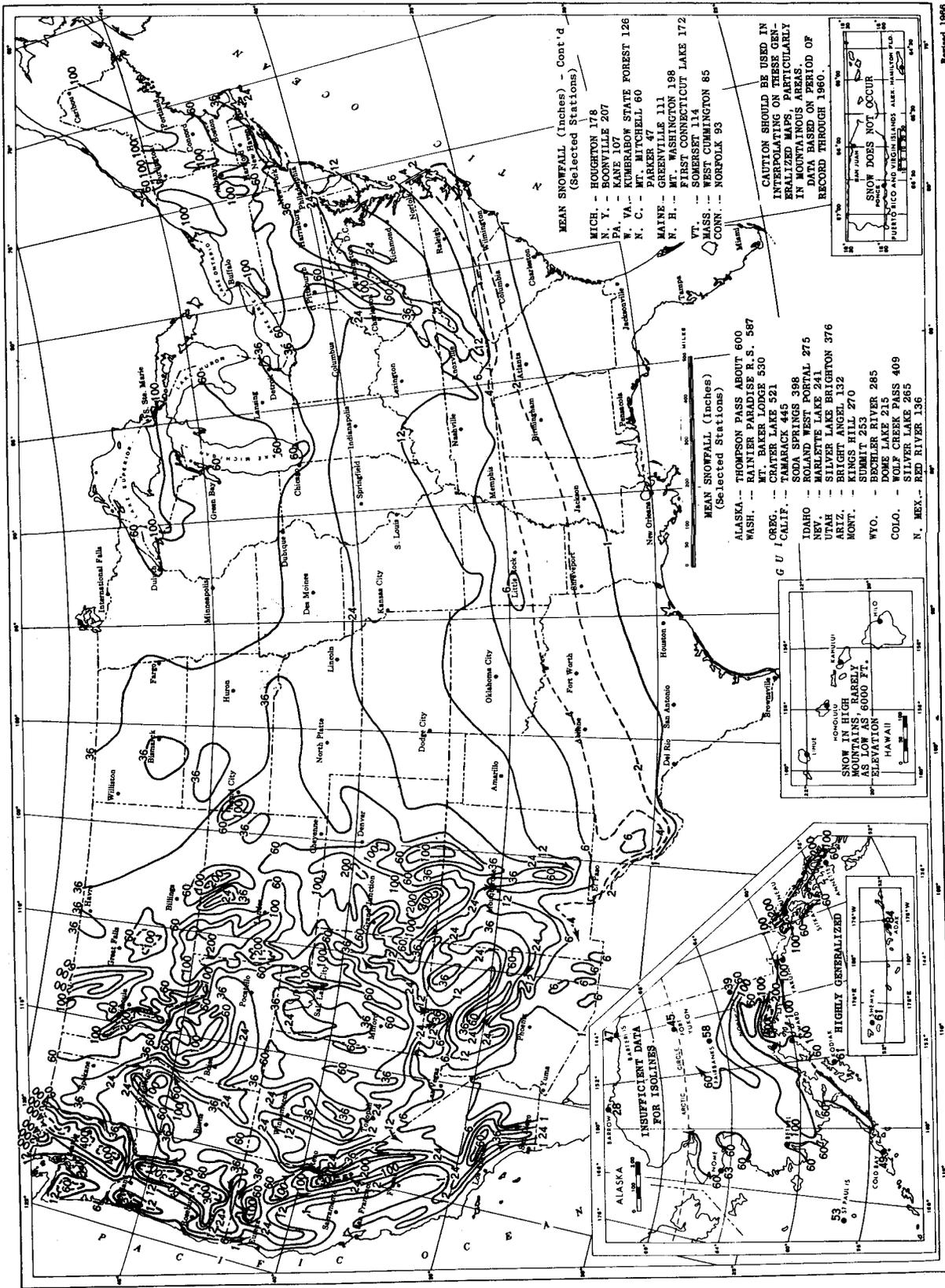


Point values may differ on these computerized maps from the reported values in the tables.





MEAN ANNUAL TOTAL SNOWFALL (Inches)



National Weather Data for Selected Cities

Weather Data for the Week Ending November 29, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	30 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	64	53	72	47	59	9	4.7	3.7	2.1	16.8	161	38.4	78	99	79	0	0	6	2	
MOBILE	68	58	78	50	63	7	5.6	4.6	2.3	17.7	139	55.6	94	98	80	0	0	5	4	
MONTGOMERY	68	55	78	48	61	9	5.3	4.5	1.4	18.2	185	48.8	110	97	72	0	0	6	5	
AK ANCHORAGE	20	9	33	-5	14	-4	.2	0	.2	8.1	155	17.5	124	83	58	0	7	3	0	
BARROW	-12	-20	3	-26	-16	-10	T	T	T	2.0	143	4.0	87	79	68	0	7	1	0	
FAIRBANKS	-9	-27	7	-37	-18	-16	.1	-1.1	.1	2.9	119	9.5	99	87	72	0	7	3	0	
JUNEAU	37	30	40	27	34	3	1.6	-5	.6	28.4	149	62.7	130	94	75	0	6	7	1	
KODIAK	34	20	45	13	27	-5	1.0	-4	.9	18.9	78	66.2	98	84	49	0	7	3	0	
NOME	11	-2	15	-6	4	-7	T	T	T	8.9	197	16.4	116	78	49	0	7	0	1	
AZ PHOENIX	74	49	79	47	61	4	0	-1.1	0	.9	51	6.2	98	49	16	0	0	0	0	
PRESCOTT	60	28	67	24	44	3	0	-4	0	3.2	80	11.3	66	69	24	0	6	0	0	
TUCSON	71	40	81	35	56	0	0	-2	0	1.2	44	10.5	103	50	16	0	0	0	0	
YUMA	75	50	76	48	63	0	0	-1	0	.5	63	1.6	70	42	19	0	0	0	0	
AR FORT SMITH	51	39	57	30	45	-1	.4	-4	.4	8.4	86	36.5	99	95	68	0	1	2	1	
LITTLE ROCK	52	41	61	36	46	-2	1.2	.2	1.2	13.0	124	40.5	97	90	70	0	0	2	0	
CA BAKERSFIELD	67	42	76	39	54	2	T	-2	T	.6	58	4.9	96	88	43	0	0	0	0	
EUREKA	59	46	65	38	53	2	.5	-1.0	.4	6.4	68	33.7	105	88	63	0	0	2	0	
FRESNO	68	41	77	37	54	5	5	-3	T	.4	22	10.1	113	84	38	0	0	1	0	
LOS ANGELES	76	53	80	49	64	5	0	-4	0	2.7	143	15.6	150	72	27	0	0	0	0	
REDDING	60	38	68	33	49	***	.1	***	.1	3.4	***	***	***	92	46	0	0	1	0	
SACRAMENTO	65	40	72	36	53	3	.1	-5	.1	.8	25	17.2	122	95	42	0	0	2	0	
SAN DIEGO	74	50	79	48	62	2	0	-3	0	3.6	227	11.3	143	73	25	0	0	0	0	
SAN FRANCISCO	62	43	70	41	53	1	T	-6	T	.6	16	19.2	119	98	52	0	0	1	0	
CO DENVER	57	30	69	23	43	8	T	-1	T	2.8	93	11.2	76	69	25	0	6	0	0	
GRAND JUNCTION	48	29	51	26	38	4	.3	.2	.2	3.8	176	8.4	114	87	46	0	6	2	0	
PUEBLO	59	23	71	18	41	4	T	0	T	1.8	85	10.2	97	95	29	0	7	1	0	
CT BRIDGEPORT	53	35	61	30	44	2	1.2	.3	1.0	7.2	70	28.6	76	88	58	0	3	3	1	
HARTFORD	54	26	63	21	40	3	1.1	.1	1.0	8.6	76	38.4	96	94	52	0	6	3	1	
DC WASHINGTON	54	38	59	33	46	1	1.0	.3	.9	7.9	89	27.6	77	99	61	0	0	2	1	
FL APALACHICOLA	74	60	80	55	67	9	4.0	3.2	2.2	23.6	162	56.9	111	98	80	0	0	5	2	
DAYTONA BEACH	81	66	83	57	73	11	.7	.2	.7	11.0	80	43.6	95	100	70	0	0	1	1	
JACKSONVILLE	78	61	84	52	70	11	.7	.2	.6	5.3	42	38.2	76	99	68	0	0	2	0	
KEY WEST	84	77	85	74	81	7	.5	-2	.3	7.9	55	29.6	79	85	68	0	0	2	1	
MIAMI	85	73	87	70	79	8	.7	.2	.3	13.0	73	63.8	115	91	62	0	0	3	0	
ORLANDO	84	68	86	61	76	11	.1	-4	.1	11.2	110	45.6	99	97	57	0	0	1	0	
TALLAHASSEE	74	57	82	50	66	9	3.6	2.7	1.8	13.8	108	62.9	105	98	73	0	0	4	2	
TAMPA	84	70	86	63	77	13	.4	-1	.4	10.6	102	38.5	87	93	60	0	0	1	0	
WEST PALM BEACH	84	71	86	68	78	8	1.6	1.0	1.2	17.4	86	57.5	100	92	65	0	0	5	1	
GA ATLANTA	63	51	72	47	57	8	1.6	.7	1.0	13.7	152	36.2	82	96	69	0	0	5	1	
AUGUSTA	72	53	80	47	62	11	.6	0	.3	8.6	113	38.6	97	96	65	0	0	4	0	
MACON	69	53	79	48	61	9	2.0	1.3	1.0	13.5	180	33.8	83	97	69	0	0	5	1	
SAVANNAH	74	58	82	51	66	11	.6	.1	.5	6.3	68	40.1	86	96	68	0	0	2	1	
HV HILO	81	67	84	64	74	1	1.2	-2.3	.4	60.7	196	163.3	142	91	64	0	0	5	0	
HONOLULU	84	73	86	71	78	3	.1	-7	.1	7.2	128	12.5	63	78	55	0	0	1	0	
KAHULUI	82	70	86	63	76	2	.3	-2	.3	2.1	63	12.8	76	78	52	0	0	1	0	
LIHUE	80	73	81	68	76	2	.2	-1.1	.2	10.2	84	24.8	65	86	63	0	0	1	0	
ID BOISE	50	33	58	26	41	5	T	-3	T	4.2	164	14.2	138	82	38	0	4	0	0	
LEWISTON	49	38	56	29	44	6	.9	.6	.6	2.8	98	10.4	91	82	52	0	1	2	1	
POCATELLO	47	31	57	15	39	8	T	-2	T	2.6	107	12.2	123	70	37	0	4	1	0	
IL CHICAGO	42	28	50	26	35	0	.4	-1	.2	12.3	161	30.6	98	92	58	0	7	3	0	
MOLINE	44	26	49	18	35	1	T	-4	T	11.0	132	38.8	110	94	62	0	7	1	0	
PEORIA	42	29	50	20	35	0	.8	-3	.4	12.3	154	34.8	106	97	69	0	6	3	0	
QUINCY	44	28	50	23	36	-1	.6	-2	.6	16.8	178	39.6	110	95	66	0	6	3	1	
ROCKFORD	42	24	47	20	33	0	.1	-4	.1	13.4	151	33.6	97	94	66	0	7	2	0	
SPRINGFIELD	45	30	51	24	37	0	1.0	.6	.9	14.2	190	34.3	108	98	64	0	5	3	1	
IN EVANSVILLE	50	37	56	31	44	2	1.0	.2	1.0	9.5	113	35.6	94	96	66	0	2	3	1	
FORT WAYNE	42	30	47	25	36	0	.5	-1	.3	9.2	122	40.5	127	97	78	0	6	3	2	
INDIANAPOLIS	46	33	55	24	39	2	1.5	.8	.8	15.8	193	44.6	124	96	69	0	2	3	0	
SOUTH BEND	41	31	48	27	36	0	1.8	1.1	1.5	10.9	119	35.1	100	94	70	0	4	3	1	
IA DES MOINES	47	24	57	18	36	2	T	-3	T	11.3	167	41.6	140	92	51	0	7	1	0	
SIoux CITY	49	26	57	22	38	6	0	-2	0	8.8	170	32.1	130	88	46	0	7	0	0	
WATERLOO	38	16	41	3	27	-3	.1	-3	.1	9.4	127	35.4	111	97	71	0	7	1	0	
KS CONCORDIA	57	28	68	26	42	6	0	-2	0	10.6	181	38.8	147	74	29	0	6	0	0	
DODGE CITY	58	27	71	22	43	4	0	-1	0	2.8	72	19.3	96	70	22	0	5	0	0	
GOODLAND	59	29	72	23	44	10	0	-1	0	3.2	111	15.1	95	63	20	0	5	0	0	
TOPEKA	53	22	66	16	37	-1	T	-3	T	10.3	130	36.1	113	97	46	0	7	1	0	
WICHITA	53	24	66	18	39	-1	T	-3	T	8.0	109	30.0	109	90	36	0	7	1	0	
KY BOWLING GREEN	53	40	63	34	47	4	1.6	.7	1.1	14.7	151	33.8	76	98	75	0	0	3	1	
LEXINGTON	51	38	61	33	45	3	2.0	1.1	1.1	11.6	133	31.5	75	99	78	0	0	3	2	
LOUISVILLE	51	39	60	32	45	2	1.9	1.1	1.4	10.5	112	34.9	87	95	72	0	1	3	1	
LA ALEXANDRIA	61	53	74	48	57	3	6.5	5.3	3.7	16.3	145	42.6	86	82	72	0	0	3	3	
BATON ROUGE	68	55	83	49	62	5	3.5	2.5	1.7	13.2	122	47.6	94	95	74	0	0	6	2	
LAKE CHARLES	64	54	80	49	59	2	5.6	4.6	2.4	19.5	159	48.8	102	94	76	0	0	3	3	
NEW ORLEANS	68	59	83	52	64	6	4.1	3.0	1.1	12.3	99	42.9	79	98	79	0	0	6	4	

Based on 1951-80 normals.

Weather Data for the Week Ending November 29, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	55	45	67	38	50	-2	4.4	3.4	2.0	19.3	202	53.5	134	97	81	0	0	3	3
ME CARIBOU	34	16	42	-3	25	-1	1.0	.3	.7	8.7	89	32.5	98	95	70	0	7	4	1
ME PORTLAND	49	27	54	23	38	4	1.3	.2	.9	9.9	85	38.6	99	91	52	0	6	2	1
MD BALTIMORE	54	33	59	27	44	1	1.0	.2	.9	8.4	88	28.1	73	98	56	0	4	2	0
MD SALISBURY	61	36	70	28	49	5	.8	.1	.4	6.3	59	26.3	63	97	59	0	2	2	1
MA BOSTON	56	35	65	30	45	4	1.1	.1	1.0	10.7	99	38.3	98	91	48	0	2	0	1
MA CHATHAM	53	37	57	33	45	3	1.0	.1	.6	13.6	116	46.8	112	93	68	0	0	3	1
MI ALPENA	43	28	47	23	35	5	T	.5	T	10.5	149	29.6	111	94	57	0	5	1	0
MI DETROIT	43	30	46	24	37	1	.7	.2	.7	12.5	189	35.3	124	94	68	0	6	2	0
MI FLINT	44	28	51	21	36	2	.4	.1	.3	13.8	206	36.0	133	96	59	0	6	2	0
MI GRAND RAPIDS	43	30	51	23	36	2	.6	.1	.5	15.7	176	46.7	147	92	65	0	6	2	0
MI HOUGHTON LAKE	40	29	46	19	35	4	T	.5	T	11.6	160	32.8	126	93	64	0	6	1	0
MI LANSING	43	28	51	22	36	1	.7	.1	.6	12.2	176	36.2	133	93	61	0	7	2	1
MI MARQUETTE	38	19	46	16	29	3	.3	.4	.2	8.4	84	29.9	86	95	62	0	7	2	0
MI MUSKOGON	44	31	48	24	37	2	.2	.5	.1	16.4	193	33.6	117	90	64	0	4	2	0
MI SAULT STE. MARIE	40	27	45	18	33	5	.6	.1	.5	10.9	110	35.4	115	88	65	0	5	2	1
MN ALEXANDRIA	38	25	44	17	32	8	T	.2	T	5.1	98	32.9	139	89	65	0	6	0	0
MN DULUTH	39	20	46	13	30	7	T	.4	T	8.9	126	35.9	127	88	54	0	7	0	0
MN INT'L FALLS	36	17	42	7	27	8	T	.2	T	4.3	70	17.9	76	91	59	0	7	2	0
MN MINNEAPOLIS	43	25	48	15	34	6	T	.3	T	9.2	165	36.2	142	97	58	0	7	0	0
MN ROCHESTER	38	19	41	7	29	1	T	.3	T	14.9	229	39.6	145	95	66	0	7	0	3
MS GREENWOOD	60	48	70	44	54	4	4.2	3.0	2.1	17.8	170	37.9	80	97	72	0	0	3	3
MS JACKSON	64	53	80	47	59	6	3.3	2.2	1.9	17.1	168	45.2	96	96	78	0	0	0	3
MS MERIDIAN	64	53	75	47	58	7	4.3	3.3	1.3	17.8	187	45.3	95	97	84	0	0	6	4
MO CAPE GIRARDEAU	50	38	56	34	44	--	1.3	.3	1.1	8.3	86	38.4	95	97	69	0	5	2	1
MO COLUMBIA	47	30	60	26	39	-1	1.4	1.0	1.2	16.0	179	37.6	110	95	63	0	7	2	0
MO KANSAS CITY	49	26	63	20	38	-1	T	.3	T	14.4	163	37.7	112	94	50	0	5	1	0
MO SAINT LOUIS	47	35	51	30	41	1	.5	.1	.5	14.9	200	33.8	107	92	60	0	2	2	0
MO SPRINGFIELD	50	32	64	29	41	0	.5	.2	.5	18.4	179	38.7	105	95	62	0	5	1	0
MT BILLINGS	49	32	61	28	40	9	T	.2	T	2.9	88	14.3	100	68	38	0	5	0	0
MT GLASGOW	42	27	50	23	35	11	.1	.1	.1	5.2	298	13.2	118	86	58	0	7	1	0
MT GREAT FALLS	49	31	61	24	40	10	T	.1	T	2.8	109	13.6	94	73	38	0	4	0	0
MT HAVRE	45	31	54	29	38	13	T	.1	T	6.6	345	17.1	161	84	50	0	4	2	0
MT HELENA	50	26	63	19	38	10	T	.1	T	3.0	150	11.6	107	86	40	0	6	2	0
MT KALISPELL	41	27	51	17	34	6	.5	.1	.3	4.9	147	16.7	117	100	71	0	7	4	0
MT MILES CITY	49	29	63	18	39	11	T	.1	T	4.0	155	15.5	115	79	46	0	6	0	0
MT MISSOULA	45	28	57	21	37	8	.4	.2	.3	5.0	185	16.0	132	97	59	0	6	0	0
NE GRAND ISLAND	56	27	67	20	42	9	0	.2	0	7.2	165	24.6	109	78	30	0	6	0	0
NE LINCOLN	55	23	64	16	39	5	0	.2	0	11.8	213	38.2	145	83	34	0	7	0	0
NE NORFOLK	52	27	62	23	39	8	0	.1	0	6.7	160	30.4	132	81	38	0	7	0	0
NE NORTH PLATTE	58	23	67	14	40	9	0	.1	0	2.8	89	16.7	88	87	25	0	5	0	0
NE OMAHA	50	29	59	25	39	6	0	.2	0	12.4	188	36.5	125	76	52	0	6	0	0
NE SCOTTSBLUFF	56	25	69	14	41	9	0	.1	0	3.9	167	21.2	150	79	25	0	7	0	0
NE VALENTINE	52	25	65	13	39	9	0	.1	0	5.2	195	20.6	123	75	34	0	6	0	0
NV ELY	52	20	66	11	36	5	0	.1	0	2.8	147	8.4	101	79	22	0	7	0	0
NV LAS VEGAS	64	40	69	36	52	0	0	.1	0	.9	89	2.1	54	59	18	0	0	0	0
NV RENO	61	28	69	18	45	3	T	.2	T	1.6	99	5.4	77	65	21	0	5	1	0
NV WINNEMUCCA	53	25	65	12	39	5	T	.2	T	3.0	30	8.8	140	69	18	0	6	0	0
NH CONCORD	46	23	52	16	35	2	.9	0	.8	8.5	87	36.0	109	95	54	0	6	2	1
NJ ATLANTIC CITY	56	32	64	27	44	2	.9	0	.7	11.4	119	35.9	94	96	58	0	5	2	1
NM ALBUQUERQUE	50	27	58	24	38	-2	.1	0	.1	3.4	162	12.6	166	89	37	0	7	1	0
NM CLOVIS	55	28	66	24	41	-2	.1	0	.1	7.7	185	19.6	118	77	30	0	7	1	0
NM ROSWELL	55	26	70	22	42	-3	.1	0	.1	11.3	379	23.2	247	85	30	0	7	1	1
NY ALBANY	48	26	51	17	37	2	.9	.1	.6	9.3	102	40.0	123	100	61	0	6	3	1
NY BINGHAMTON	45	32	50	28	38	5	1.8	1.1	1.7	11.7	127	42.2	125	87	55	0	5	2	1
NY BUFFALO	47	35	53	31	41	5	1.0	.2	1.0	11.3	115	35.6	105	91	53	0	6	2	1
NY NEW YORK	55	40	65	36	48	5	1.4	.5	1.2	9.3	90	33.4	86	85	52	0	0	2	1
NY ROCHESTER	47	31	50	25	39	3	.9	.3	.9	10.7	138	32.8	115	93	53	0	6	3	1
NY SYRACUSE	47	30	52	24	39	3	1.3	.5	1.2	12.5	128	39.5	110	94	54	0	5	3	1
NC ASHEVILLE	61	44	68	37	53	9	3.1	2.4	2.3	12.5	120	30.3	69	98	70	0	4	4	2
NC CHARLOTTE	63	47	72	40	55	7	.3	.3	.2	7.7	85	23.6	67	97	69	0	0	2	0
NC GREENSBORO	61	43	69	35	52	7	.3	.3	.2	7.8	83	26.1	67	97	66	0	0	5	1
NC HATTERAS	70	58	77	50	64	11	1.1	.1	.1	6.1	40	41.9	82	95	66	0	0	3	0
NC NEW BERN	69	49	78	38	59	8	.1	.7	.1	5.5	45	40.4	82	98	68	0	0	3	0
NC RALEIGH	65	45	77	34	55	8	.1	.6	.1	4.8	54	33.6	87	96	61	0	0	2	0
NC WILMINGTON	70	52	79	41	61	8	.2	.6	.2	7.5	64	52.2	105	96	56	0	7	2	0
ND BISMARCK	40	22	48	11	31	8	T	.1	T	6.8	254	24.2	164	91	62	0	7	0	0
ND FARGO	37	23	44	13	30	8	T	.1	T	5.2	132	23.2	123	90	69	0	7	0	0
ND GRAND FORKS	35	20	39	12	27	7	T	.1	T	4.2	107	15.5	88	91	71	0	7	0	0
ND WILLISTON	40	23	45	17	32	9	T	.1	T	5.1	195	21.7	163	91	66	0	6	3	1
OH AKRON-CANTON	48	31	59	24	40	3	1.2												

Weather Data for the Week Ending November 29, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	47	32	60	23	39	1	1.6	1.0	1.3	12.4	178	39.9	124	97	71	0	3	3	1
TOLEDO	43	29	47	23	36		.9	.2	.8	11.3	166	35.4	122	97	72	0	6	3	1
YOUNGSTOWN	48	32	58	26	40	4	1.0	.3	.9	11.8	139	42.7	124	98	64	0	4	2	1
OK OKLAHOMA CITY	53	32	66	28	43	-2	1.9	1.6	1.9	22.2	291	44.0	148	91	44	0	4	1	1
TULSA	51	31	62	26	41	-4	1.0	.5	1.0	16.9	164	41.8	113	94	56	0	6	1	1
OR ASTORIA	54	40	57	31	47	2	5.4	2.9	2.9	20.5	109	56.2	97	98	74	0	1	6	2
BURNS	48	32	53	30	40	2	T	-2	T	2.3	99	9.9	143	96	61	0	5	1	0
MEDFORD	48	37	57	33	42	2	.9	.2	.7	6.2	120	16.4	101	98	77	0	0	3	1
PENDLETON	52	38	59	32	45	6	T	.4	.4	4.2	143	11.7	111	89	55	0	1	5	0
PORTLAND	53	41	60	32	47	4	3.1	1.8	.8	12.4	128	30.6	99	97	74	0	1	6	3
SALEM	53	39	60	32	46	3	3.3	1.9	1.1	13.0	125	35.5	108	96	62	0	1	6	4
PA ALLENTOWN	50	29	52	23	39	1	1.1	.2	.9	11.3	105	38.8	96	96	61	0	6	1	1
ERIE	49	34	57	28	41	5	1.2	.3	1.1	15.8	145	43.0	119	91	51	0	1	1	1
HARRISBURG	49	31	53	27	40	0	.7	-1	.5	8.6	90	37.8	106	97	55	0	5	2	1
PHILADELPHIA	55	33	66	29	44	2	1.3	.5	1.1	10.8	114	34.5	91	96	62	0	4	2	1
PITTSBURGH	50	31	59	23	40	3	1.3	.7	1.2	9.1	121	33.9	101	86	57	0	5	1	1
SCRANTON	48	30	54	22	39	2	.7	0	.7	9.6	106	42.2	130	92	57	0	5	2	1
RI PROVIDENCE	56	29	64	25	43	3	1.4	.4	1.2	9.2	81	37.9	93	94	53	0	6	3	1
SC CHARLESTON	74	58	82	50	66	12	T	-5	T	11.2	113	42.7	88	98	63	0	0	2	0
COLUMBIA	70	53	79	41	61	10	.4	-2	.3	12.3	134	31.2	69	98	65	0	0	4	0
FLORENCE	72	52	79	42	62	10	T	-5	T	8.7	101	28.1	69	97	58	0	0	1	0
GREENVILLE	62	45	72	40	54	6	1.7	1.0	.9	13.6	124	34.7	75	97	67	0	0	3	2
SD ABERDEEN	44	25	54	17	34	10	T	-1	T	3.7	120	25.7	149	94	56	0	7	1	0
HURON	49	24	64	16	36	9	T	-1	T	5.0	145	27.4	151	94	45	0	7	0	0
RAPID CITY	52	25	64	16	38	8	0	-1	0	6.1	261	21.4	135	86	39	0	6	0	0
SIOUX FALLS	46	24	57	18	35	7	T	-2	T	11.4	216	30.5	130	86	53	0	7	0	0
TN CHATTANOOGA	60	48	67	40	54	8	4.7	3.6	1.8	20.1	178	37.5	79	96	72	0	0	4	4
KNOXVILLE	59	46	69	38	53	7	1.9	1.0	.7	11.2	120	28.5	67	98	73	0	0	4	3
MEMPHIS	54	43	66	40	49	1	1.2	.1	.8	11.1	111	32.3	69	94	79	0	0	4	1
NASHVILLE	55	44	67	41	50	4	2.0	1.1	1.5	11.5	118	27.9	64	97	79	0	0	4	1
TX ABILENE	54	34	69	30	44	-6	2.2	1.9	1.4	12.4	186	29.9	133	89	44	0	2	3	2
AMARILLO	57	25	70	23	41	-1	T	-1	T	5.0	137	24.4	131	81	24	0	7	1	0
AUSTIN	60	44	66	38	52	-4	1.1	.6	.8	14.6	160	29.2	99	89	50	0	0	4	1
BEAUMONT	63	54	80	48	58	0	4.5	3.4	2.2	19.8	142	54.7	114	94	78	0	0	4	3
BROWNSVILLE	69	48	87	42	58	-7	1.5	1.2	.9	13.9	137	25.3	105	95	57	0	0	4	1
CORPUS CHRISTI	66	47	83	41	57	-6	.5	.1	.3	10.6	98	27.6	96	91	56	0	0	3	0
DEL RIO	64	42	75	36	53	-3	.2	.1	.2	9.6	166	22.8	137	72	43	0	0	1	0
EL PASO	58	27	65	24	42	-6	0	-1	0	2.5	101	10.7	145	82	27	0	6	0	0
FORT WORTH	54	38	62	29	46	-6	.9	.5	.9	9.5	126	29.8	108	93	59	0	2	2	1
GALVESTON	63	52	77	47	58	-3	2.6	1.8	1.3	16.0	139	31.4	86	92	72	0	0	4	2
HOUSTON	60	48	82	40	54	-3	5.4	4.6	3.8	17.0	143	39.0	95	97	74	0	0	4	2
LUBBOCK	58	29	71	24	44	-1	T	-1	T	11.5	258	25.2	146	83	25	0	7	1	0
MIDLAND	59	33	73	27	46	-3	T	-1	T	15.9	389	28.7	217	79	24	0	3	0	0
SAN ANGELO	59	33	73	27	46	-5	.6	.4	.5	15.1	250	30.4	174	90	37	0	4	2	1
SAN ANTONIO	63	40	74	33	52	-5	1.2	.7	1.0	11.3	126	35.6	129	90	44	0	0	2	1
VICTORIA	64	46	82	40	55	-4	2.0	1.5	1.2	13.2	113	35.0	101	95	61	0	0	3	2
WACO	56	40	64	31	48	-5	1.0	.5	.4	12.5	149	32.2	111	96	62	0	1	3	0
WICHITA FALLS	55	34	70	28	44	-4	1.5	1.2	1.4	14.1	191	33.6	132	91	44	0	3	2	1
UT BLANDING	48	26	55	23	37	3	T	-2	T	5.6	176	15.2	146	87	51	0	7	0	0
CEDAR CITY	49	23	59	13	36	1	.5	.3	.5	2.9	115	11.0	115	83	35	0	7	1	1
SALT LAKE CITY	51	31	61	24	41	5	.1	-2	1.1	4.4	136	19.4	140	88	36	0	5	2	0
VT BURLINGTON	44	28	46	24	36	5	1.0	.3	1.0	10.4	120	39.0	125	87	55	0	6	2	1
VA NORFOLK	63	47	76	36	55	7	.2	-.4	.1	2.9	28	22.5	54	96	66	0	0	3	0
RICHMOND	60	39	70	30	50	4	.5	-.3	.5	5.6	53	31.4	77	96	60	0	1	3	0
ROANOKE	58	40	69	29	49	5	.9	-.3	.6	9.5	104	28.3	78	97	60	0	1	2	1
WA COLVILLE	45	34	53	23	39	9	.4	-1	.2	5.4	134	20.3	135	93	77	0	3	4	0
QUILLAYUTE	51	37	55	28	44	2	4.6	1.1	2.7	22.1	76	87.4	100	100	77	0	2	6	2
SEATTLE-TACOMA	48	39	54	29	44	1	5.0	3.6	2.1	14.1	130	34.7	108	96	73	0	1	6	3
SPOKANE	43	32	51	27	38	6	.9	.4	.3	4.3	114	14.4	102	98	73	0	3	5	0
YAKIMA	50	29	66	21	39	4	.6	.3	.2	3.1	179	8.4	127	93	58	0	5	4	0
WV BECKLEY	54	38	62	33	46	7	1.0	.3	.5	11.4	132	35.7	92	99	71	0	0	4	0
CHARLESTON	54	38	65	32	46	4	1.5	.8	.6	12.3	145	41.5	106	99	73	0	1	5	1
HUNTINGTON	52	37	64	34	45	3	1.6	.9	.6	12.3	151	35.9	96	99	75	0	0	5	2
PARKERSBURG	50	33	61	27	42	1	1.6	1.0	.9	11.9	159	35.1	91	98	68	0	4	5	1
WI GREEN BAY	39	24	42	20	31	2	.4	0	.4	11.0	157	31.1	117	95	68	0	7	1	0
LA CROSSE	41	23	45	15	32	2	T	-.3	T	12.5	178	31.7	109	92	54	0	7	1	0
MADISON	42	24	48	20	33	3	.2	-.2	.2	9.7	138	31.1	106	94	59	0	7	1	0
MILWAUKEE	43	27	51	24	35	2	.2	-.3	.2	10.4	147	40.8	142	90	61	0	7	2	0
WAUSAU	41	24	45	20	32	5	.1	-.4	.1	13.5	172	30.6	101	90	48	0	7	1	0
WY CASPER	49	29	54	20	39	10	.2	0	.2	5.3	234	15.7	144	73	31	0	4	0	0
CHEYENNE	52	30	58	18	41	9	0	-1	0	4.7	209	14.1	109	65	25	0	4	0	0
LANDER	47	26	53	17	37	10	.3	-.1	.3	4.3	153	11.8	94	75	33	0	6	1	0
SHERIDAN	52	27	65	16	39	11	T	-1	T	5.0	161	15.4	108	86	36	0	6	0	0
PR SAN JUAN	84	72	85	71	78	-1	1.0	-.2	.6	15.0	89	49.6	101	97	66	0	0	7	1

Based on 1951-80 normals.

Heating Degree Day Summary Table

CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 11-29-1986

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 L YR, CUM TOTAL, CUM DEV FROM NORM, CUM DEV L YR, CUM DEV FROM NORM, CUM DEV FROM NORM, CUM DEV FROM NORM. Rows list various cities and their corresponding heating degree day data.

National Agricultural Summary

November 24 to 30, 1986

HIGHLIGHTS: Precipitation across the central and eastern Corn Belt, Delta, Southeast, and southern Great Plains hampered harvest and winter wheat seeding. Row crop harvest was nearing completion in the Corn Belt. Winter wheat benefited from the moisture, but the rain may cause some acreage not to be planted in the Corn Belt and central Great Plains. Fieldwork averaged less than 3 days from New England through the Corn Belt down into Texas and in the Southeast. Moisture was adequate in most areas of the Nation.

Winter wheat was mostly good with a few areas suffering from excess moisture. Seeding was 96 percent (%) finished, equaling last year's number but 1 percentage point below the 5-year average. Corn harvest climbed 3 points ahead of the previous week reaching 95% completion, equaling the average. Harvest was near completion in the Corn Belt and central Great Plains. Soybean harvest continued lagging behind normal, especially in the Delta, central Plains, and the Southeast. Eighty-nine percent of the acreage was harvested, compared with 93% normally. Rain continued delaying cotton harvest in Texas and Oklahoma. Cotton was 65% harvested, 10 points below normal. Grain sorghum was 93% harvested compared with 97% harvested normally. Pastures were fair to good. Livestock was mostly good. Supplemental feeding began in some areas.

SMALL GRAINS: Winter wheat was 96% seeded and 91% emerged. Normally 97% would be seeded and 91% would be emerged by this date. Most of the wheat was seeded except in the Southeast, Southwest, and Missouri. Seeding was 19 points behind normal in Missouri, and some intended acreage may not be planted at this late date. Some wheat was still being seeded in Kentucky as weather permitted. Fifty-five percent of California's acreage was seeded, 3 points ahead of normal. A few fields remained to be seeded in Illinois and Kansas. Nebraska's wheat was mostly good. Slightly less than half of the wheat in North Dakota had sufficient snow cover. Oklahoma's wheat was plagued with excessive weed growth and nitrogen leaching from the soil.

CORN: Corn harvest reached 95% completion, equaling the average, but 9 points ahead of last year. Harvest was finished in Georgia, North Carolina, and Texas. Most other major producing States were nearing completion except Colorado, Michigan, Missouri, Pennsylvania, and South Dakota. South Dakota producers combined 9% of their acreage, reaching 90% completion but was still 9 points behind normal. Harvest was 6 points slower than normal in Missouri and Colorado. In Michigan, harvest equaled the 90% 5-year average. Rain slowed harvest through the central and eastern Corn Belt during most of the week.

SOYBEANS: In the 19 major producing States, harvest was 89% complete, compared with 87% last year and the 93% average. Harvest was behind normal in 13 of the 19 major producing States. Wetness hampered harvest in the Corn Belt, the Delta, the central Plains and in the Southeast. Harvest was behind normal by as much as 21 points in North Carolina, 18 points in Tennessee, 16 points in Kansas, 15 points in Missouri, and 12

points in Arkansas. Dry weather or freezing temperatures are needed to aid harvest in these areas. Harvest was finished in South Dakota and 7 States were more than 95% finished.

COTTON: Rain continued restricting cotton harvest in the Southeast and Delta. Nationally, 65% of the acreage was harvested, 9 points below 1985 and 10 points below the average. In Oklahoma, harvest increased 5 points but was 4 times slower than the 40% average. Quality continues to deteriorate as harvest is prolonged by wetness. Seventy-eight percent of South Carolina's acreage was picked when normally most of the acreage would have been harvested. In Texas, harvest was 35% finished, 23 points below average. Damp morning delayed starting times in the High Plains while rain prevented harvest in most other areas. Some fields yielded better than expected, but overall, yields and grades are low. Harvest was nearing completion in the Delta, Alabama, Arizona, and California.

OTHER CROPS: Sorghum was 93% harvested, 4 points less than normal. Wetness caused harvest delays in Kansas, Missouri, Oklahoma, and Texas of which all lagged behind their normal harvesting progress. Peanut harvest moved along well in the Plains, but rain slowed harvest at Cross-Timbers and in the Blacklands. Harvest should be completed soon in the Plains.

FRUIT AND NUTS: Showers reduced irrigation in Florida's citrus areas. New growth was limited, and fruit droppage was not excessive. Harvest increased in all areas, and most processing plants were open. Fresh fruit movement was active in all areas. In Texas, grapefruit harvest increased. Fruit hanging on trees sized well. Dry weather facilitated spraying, pruning, and fertilizing of orchards in California. Navel oranges were harvested, but size was small. Desert grapefruit, lemon, and tangerine quality was good. Along the south coast strawberries showed good growth and were blooming. Valencia oranges matured normally in Arizona. Citrus harvest advanced, and groves were good. Pecan harvest gained momentum.

VEGETABLES: In the Everglades, rain delayed harvest of some root crops. Harvest of most vegetables continued in Florida. Volume leaders included tomatoes, cucumbers, green peppers, snap beans, celery, squash, and sweet corn. Iceberg lettuce and cabbage harvests were underway. Winter vegetable harvest gained momentum early in the week but was slowed by rain in the Rio Grande Valley. Damp conditions continued causing some disease problems. Rain slowed most field activity in the San Antonio-Winter Garden area. Fall fresh and processing vegetable harvest was active with excellent quality in the Firebaugh District of California. Vegetable harvest increased in the desert and was active in the Fremont-San Jose and Patterson-Newman areas. Vegetable harvest ranged from light to heavy. Late-winter vegetable planting continued in Arizona.

PASTURES AND LIVESTOCK: Pastures were fair to good. Some areas, however, suffered from dryness, especially in California. Livestock was mostly good. Young livestock was suffering from pneumonia in Iowa.

CROP PROGRESS

	CORN % HARVESTED		
	1986	1985	AVG.
COLO	85	90	91
GA	100	100	100
ILL	98	91	97
IND	98	86	95
IOWA	97	90	97
KANS	98	99	99
KY	98	91	95
MICH	90	75	90
MINN	95	85	93
MO	86	82	92
NEBR	95	90	93
N C	100	100	100
OHIO	93	79	91
PA	83	76	90
S DAK	90	69	99
TEX	100	100	100
WIS	91	67	87
17 STATES	95	86	95

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

FOR WEEK ENDING NOVEMBER 30, 1986

	GRAIN SORGHUM % HARVESTED		
	1986	1985	AVG.
ARK	100	100	99
ILL	98	98	97
KANS	95	96	97
LA	100	100	100
MISS	100	100	100
MO	85	78	90
NEBR	99	99	99
OKLA	75	95	90
S DAK	97	96	100
TENN	99	100	NA
TEX	89	95	98
11 STATES	93	95	NA
EXCL. STATES WITH NA	93	95	97

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

	SOYBEANS % HARVESTED		
	1986	1985	AVG.
ALA	84	83	90
ARK	77	84	89
GA	70	63	74
ILL	99	96	98
IND	99	94	99
IOWA	99	98	99
KANS	80	85	96
KY	84	77	85
LA	92	92	94
MICH	98	90	98
MINN	99	99	99
MISS	81	88	88
MO	72	65	87
NEBR	99	100	100
N C	44	35	65
OHIO	97	92	97
S C	52	38	55
S DAK	100	100	100
TENN	70	83	88
19 STATES	89	87	93

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

	COTTON % HARVESTED		
	1986	1985	AVG.
ALA	96	96	94
ARIZ	91	80	86
ARK	98	97	94
CALIF	95	90	90
GA	85	89	88
LA	100	98	95
MISS	100	97	93
MO	99	93	95
N MEX	53	70	83
N C	89	80	90
OKLA	10	45	40
S C	78	94	98
TENN	96	90	93
TEX	35	55	58
14 STATES	65	74	75

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

CROP CONDITION PERCENT

STATE	WINTER WHEAT				
	VP	P	F	G	EX
ARK	0	0	0	74	26
COLO	1	3	24	65	7
GA	0	0	33	65	2
IND	0	3	30	62	5
KANS	1	1	16	42	40
MICH	5	20	40	30	5
MO	3	12	52	28	5
MONT	0	0	47	53	0
NEBR	0	0	13	76	11
N MEX	0	0	23	73	4
N C	0	0	25	70	5
OHIO	0	2	28	66	4
OKLA	0	0	45	55	0
OREG	0	0	10	60	30
S DAK	1	0	0	79	20
TEX	0	0	20	59	21
WASH	0	5	5	90	0

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

	WINTER WHEAT % PLANTED		
	1986	1985	AVG.
ARK	82	92	89
CALIF	55	55	52
COLO	100	100	100
GA	66	56	62
IDAHO	100	100	100
ILL	99	98	98
IND	100	100	100
KANS	96	99	100
MICH	100	100	100
MO	75	96	94
MONT	100	100	100
NEBR	100	100	100
N MEX	100	NA	NA
N C	88	75	84
OHIO	100	100	100
OKLA	95	98	97
OREG	98	98	98
S DAK	100	100	100
TEX	99	92	95
WASH	100	100	100

20 STATES 96 NA NA
EXCL. STATES WITH NA 96 96 97
THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

	WINTER WHEAT % EMERGED		
	1986	1985	AVG.
ARK	72	NA	NA
CALIF	35	45	39
COLO	97	98	95
GA	51	41	NA
IDAHO	100	100	100
ILL	97	100	94
IND	97	99	97
KANS	95	95	96
MICH	90	99	NA
MO	62	88	86
MONT	75	80	88
NEBR	100	100	100
N MEX	100	NA	NA
N C	73	NA	NA
OHIO	94	100	100
OKLA	80	90	80
OREG	96	90	94
S DAK	100	100	100
TEX	95	82	86
WASH	100	100	100

20 STATES 90 NA NA
EXCL. STATES WITH NA 91 91 91
THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

State Summaries of Weather and Agriculture

ALABAMA: Temperatures averaged 8° above normal. Rainfall totals averaged 2.00 in. north; 3.00 to 5.00 in. central and south.

Days suitable for fieldwork 1.6. Soil moisture 36% adequate, 64% surplus. Cotton harvest winding down. Harvesting soybeans, pecans, late fall vegetables; planting small grains, winter grazing crops; routine care of livestock, poultry.

ARIZONA: Sunny skies, near normal temperatures 24th. Northwest cold front late 25th brought scattered showers, gusty winds, snow level near 5,500 ft. By late 26th, snow confined to White Mountains northward. Amounts ranged from traces to 2.00 in. Fair weather 27th to 29th. Dry, cold front moved across State 30th. Average temperatures varied from 3° below normal to 4° above.

Cotton harvest advanced. Stalk shredding, plow down moderate to active. Wheat, barley seedbed preparation, planting progressing normally. Alfalfa cutting mostly light. Growers finishing last cutting. New stands good to excellent. Sheeping off moderate. Green chopping continued. Late corn harvested west, virtually completed elsewhere. Sorghum, sesame, peanut harvests neared completion. Citrus harvests advanced. Valencia oranges maturing normally. All citrus groves good. Pecan harvest gained momentum. Apples shipped. Vegetable harvests very active west, central. Lettuce volume heavy, cauliflower, broccoli, mixed vegetables shipped. Chili peppers harvested southeast. Late winter vegetable planting continued, established vegetable stands good. Cattle, calves good. Winter grasses, weeds growing well. Adequate soil moisture. Northern ranges 75% to 80% normal. Central pastures 2% above, southern 2% below normal.

ARKANSAS: Cool wet week as cool air from north mixed with Gulf moisture. Southern, eastern sections received most rainfall. Temperature extremes 25°; 67°. Rainfall 0.14 to 4.00 in.

Days suitable for fieldwork 3.0. Soil moisture 5% short, 26% adequate, 69% surplus. Crop growth slow. Major activities: Harvest soybeans, cotton; plant wheat, oats; wean, market calves; repair equipment, fences. Hay feeding began. Large acorn crop north.

CALIFORNIA: Storms moving into Pacific northwest brushed extreme northern end of State bringing showers near Oregon border during week. Elsewhere high pressure remained over region until very end of week when low pressure trough moved south bringing rain to northern half of State. Temperatures near to above normal over entire State.

Rainfall late week helped fall plantings reach germination. Fieldwork continued as weather permitted. Winter wheat planting continued. Cotton harvest winding down, some second picking. Field corn harvest virtually complete. Dry weather facilitated spraying, pruning, fertilizing. Navel orange harvest continued, small sizes. Desert grapefruit, desert and coastal lemons, desert tangerine harvests continued, good quality. Avocado harvest progressed. Artichokes moderate, variable quality; Salinas. Strawberry fields, south coast, showed good growth, some bloom. Broccoli fairly heavy, Salinas; fairly light, Santa

Maria; good quality. Fall harvest; fresh, processing; active, excellent quality, Firebaugh District. Harvest continued increase, desert; active, Fremont-San Jose, Patterson-Newman. Carrots fairly heavy, Salinas, good quality. Light digging, Imperial Valley. Cauliflower moderate Salinas, fairly light, good quality. Harvesting gained momentum, desert, wide range in quality, poor market. Light harvesting, Los Angeles-Orange County. Celery moderate, both Salinas, Santa Maria, good quality. Harvesting progressed, Los Angeles-Orange County, good quality, prices. Lettuce packing continued; Huron, Firebaugh, very good quality. Harvesting active, Palo Verde Valley; just started, Imperial Valley. Melon harvest drew to close, Imperial Valley. Bell pepper harvest completed, Fremont-San Jose. Movement fall potatoes from storages, Tulelake-Butte Valley, full-time, moderate demand, some soft rot. Harvesting red, white varieties, Perris-Hemet, increased, strong market. Packing market tomatoes, active, south coast. Ranges, pastures northern, central districts continued extremely dry. Supplemental feeding increased. Stock ponds low, have dried many areas. Weather favorable calving, lambing.

COLORADO: Temperatures averaged 3 to 6° above normal. Precipitation averaged none to 1.00 in.

Weather conditions favorable for harvest of corn, sorghum until weeks end when heavier than expected snow storm blanketed most of State.

FLORIDA: All time warmest November many Peninsula areas. Not as warm Panhandle. Occasional heavy showers lower east coast. Dry elsewhere until rains north late week. Rains statewide weekend; 1.00 to 2.00 in. most of northern half of State with lesser amounts elsewhere.

Soil moisture mostly adequate. Peanut, cotton harvest declining seasonally. Soybean harvest delayed by rains many areas. Haymaking limited. Small grains good progress. Sugarcane harvest full swing. Late week showers over much of State improved grazing; Panhandle, northern Peninsula mostly fair, central, southern Peninsula, fair to good. Winter pasture seeding about completed in north but some central area producers awaited cooler temperatures. Cattle generally fair, Panhandle, north State; mostly good elsewhere. Calf marketings continued active. Warm all citrus areas; very little rains until scattered showers late week. Irrigation continued, but at reduced level following showers. Very little new growth. Droppage not excessive. Harvest increasing all areas; most processing plants open. Fresh fruit movement active all areas. Temperatures continued above normal over vegetable producing areas. Rains, end of week, delayed harvest some root crops, Everglades. Harvest active most crops. Volume leaders include: Tomatoes, cucumbers, green peppers, snap beans, celery, squash, sweet corn. Also available good supplies radishes, escarole-endive, eggplant, specialty lettuce. Light harvest iceberg lettuce, cabbage underway.

GEORGIA: Rain 1.00 to 2.00 in. most locations, 3.00 to 4.00 in. amounts common. Temperatures 10° above normal; extremes 85° Waycross on 25th to 40° Blairsville on 27th.

Days suitable for fieldwork 2.7. Soil moisture 1% very short, 5% short, 55% adequate, 39% surplus. Cotton 27% poor, 62% fair, 11% good. Sorghum grain 7% poor, 83% fair, 10% good; 95% harvested, 93% 1985. Peanuts 8% poor, 65% fair, 27% good; 100% dug, 100% 1985, 100% avg.; 98% threshed, 100% 1985, 100% avg. Soybeans 5% very poor, 27% poor, 63% fair, 5% good. Rye 29% fair, 69% good, 2% excellent; 88% planted, 84% 1985, 87% avg. Other small grains 85% planted, 76% 1985, 81% avg. Pecans 8% poor, 48% fair, 44% good; 61% harvested, 72% 1985, 63% avg. Pasture 1% very poor, 6% poor, 53% fair, 40% good. Hay 3% very poor, 19% poor, 61% fair, 17% good. Cattle 36% fair, 63% good, 1% excellent. Hogs 24% fair, 72% good, 4% excellent. Main activities: Wet fields, holiday limited activity; some row crop, pecan harvesting; some small grain planting; mostly routine livestock, poultry care.

HAWAII: Conditions variable. High pressure system north. Winds 15 to 25 mph, stronger gusts over weekend. Skies sunny beginning week. Cloudy, passing showers toward weekend. Temperatures ranged lower 60s to upper 80s. Rainfall ranged none to 2.20 in.

Days suitable for fieldwork 7.0. Soil moisture adequate. Minor wind damage fruit, vine crops some areas. Papaya production slight decline. Banana orchards fair, harvesting steady. Cool temperatures slowed progress leafy vegetables.

IDAHO: North 7° above normal, rest of State near normal. Precipitation slightly above normal north, little below normal southeast, rest State near normal.

Limited farm activity includes feeding livestock, weaning, cattle marketing. Livestock good. Hay, roughage supplies adequate.

ILLINOIS: Temperatures averaged 1° below normal to 3° above normal. Precipitation none to 2.17 in. Heaviest amounts east, south.

Major farm activities: Fall tillage, spreading fertilizer, tending livestock.

INDIANA: Average temperatures normal north, 2 to 3° above normal south. Lows lower to mid 20s, highs upper 40s to 50s. Precipitation kept soil layers wet. Totals of 0.50 to 0.75 in. northeast to 1.00 in. or more elsewhere.

Fieldwork averaged 2.2 days. Topsoil moisture 34% adequate, 66% surplus. Subsoil moisture 5% short, 66% adequate, 29% surplus. Corn 18% moisture content, soybean 16% moisture content. Spring cropland 45% tilled, 36% 1985, 53% avg. Wheat stands fair to mostly good. Pastures mostly fair.

IOWA: Warm dry week; snow cover melted north, 1 to 2 in. remain northeast. Temperatures averaged 3° above normal east to near 8° above normal west.

Days suitable for fieldwork 5.6. Topsoil moisture 64% adequate, 36% surplus; subsoil moisture 79% adequate, 21% surplus. Corn, soybean harvest virtually completed; some progress southwest, south central where most unharvested acres remain. Fall tillage 26%, 20% 1985, 41% avg.; fall fertilizer application 17%, 15% 1985, 38% avg. Livestock mostly good; some pneumonia young livestock. Corn stalk grazing moderate to limited.

KANSAS: Precipitation 1.50 in. southeast, 0.40 in. east central, little to none elsewhere. Temperatures averaged 39° southeast, 40 to 44° elsewhere; 2° below normal southeast, 5 to 10° above normal west and north central, 3° above normal elsewhere.

Days suitable for fieldwork 5.5. Soil moisture 3% short, 73% adequate, 24% surplus. Wet conditions delay harvest of corn, sorghum, soybeans, wheat seeding. Some wheat fields may not be seeded, emergence on schedule. Wheat pastured 15%, good grazing. Wheat 1% very poor, 1% poor, 16% fair, 42% good, 40% excellent. Farmers fencing corn, sorghum stubble fields for grazing. Pastures generally good to excellent except northwest, west central fair to poor.

KENTUCKY: Wet as front triggered rain 24th to 26th. Rain totaled 1.00 to 2.00 in. High pressure then built allowing some drying. Temperatures averaged around normal, highs around 50° with lows in 30s. Soil temperatures averaged around 50°.

Soil moisture generally ample. Low-lying soybean fields, remaining for harvest, need extended dry period or hard freezing temperatures. Some wheat still being seeded as weather permits. Burley markets a little weaker than last year, but only small amount going to Pool.

LOUISIANA: Temperature 2° below to 6° above normal. Temperature extremes 43°; 86°. Rainfall averaged 3.46 to 6.16 in.

Days suitable for fieldwork 1.4. Soil moisture 3% adequate, 97% surplus. Sugarcane fair to good; 70% harvested, 61% 1985, 67% avg. Sweetpotatoes 99% harvested, 93% 1985, 97% avg. Pecans 76% harvested, 76% 1985, 62% avg. Wheat fair; 68% planted, 62% 1985, 75% avg.; 62% emerged, 43% 1985, 61% avg. Vegetables fair; pasture, livestock fair to good. Rains delayed most harvesting, planting.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 3° above normal over State, lowest temperature 20° Oakland; highest temperature 68° Snow Hill. Precipitation averaged 0.98 in., ranging from 0.71 in. Patuxent River to 1.45 in. Bel Air.

Days suitable for fieldwork 2.6. Topsoil moisture adequate. Subsoil moisture adequate to short. Soybeans fair to good; 70% harvested. Corn fair; 98% harvested. Small grains good. Pasture mostly good to fair. Hay short supply.

Delaware: Temperatures averaged 2° above normal over State, lowest temperature 42° Wilmington; highest temperature 47° Milford. Precipitation averaged 1.44 in., ranging from 0.94 in. Georgetown to 1.69 in. Milford.

Days suitable for fieldwork 2.9. Topsoil moisture adequate. Subsoil moisture short. Soybeans fair to good; 75% harvested. Corn 99% harvested. Small grains fair to good; 95% planted. Pasture mostly fair to good. Hay supply short to adequate.

MICHIGAN: Temperatures ranged 2 to 6° above normal. Temperature extremes 53°; 11°. Precipitation ranged from 0.01 to 1.79 in. across State.

Days suitable for fieldwork 4.0. Soil moisture 70% adequate, 30% surplus. Corn 90% harvested, 75% 1985, 90% avg. Soybeans 98% harvested, 90% 1985, 98% avg. Winter wheat 100% planted, 100% 1985, 100% avg.; 90% emerged, 99% 1985; 5% very poor, 20% poor, 40% fair, 30% good, 5% excellent.

MINNESOTA: Temperatures averaged 4 to 10° above normal for State. Temperature extremes 5°; 50°. Precipitation averaged 0.17 to 0.32 in. below normal for State. Greatest weekly total 0.05 in. Snow fall averaged 0.50 in. north central, trace or less elsewhere. Snow depth weeks end averaged 1 to 2 in. north central and northeast, trace or less elsewhere.

Good week for harvesting some of remaining corn. Any left out will probably stand until spring. Field corn 95% harvested, 85% 1985, 93% avg.

MISSISSIPPI: Temperatures 5° above normal, slightly cooler in Upper Delta; extremes 36°; 83°. Two low pressure systems caused wet, mild week for State. Rain averaged 3 days north, 6 days south. Greatest 24-hour total rainfall 5.94 in.

Days suitable for fieldwork 0.2, 3.6 1985, 2.5 avg. Soil moisture 9% adequate, 73% surplus, 18% excessive. Wheat 76% planted, 70% 1985, 78% avg.; 10% poor, 48% fair, 42% good. Pecans 70% harvested, 70% 1985, 68% avg.; 10% very poor, 5% poor, 42% fair, 41% good, 2% excellent.

MISSOURI: Temperatures near normal except southwest with 4° below normal. Precipitation spotty, from over 2.00 in. west, southwest to trace northwest.

Days suitable for fieldwork 1.9. Soil moisture 28% adequate, 72% surplus. Wheat seeding essentially stopped due to wet weather, lateness of season. Tillage work for spring crops 32%, 41% 1985, 53% avg. Pasture 2% poor, 39% fair, 54% good, 5% excellent.

MONTANA: Temperatures 7 to 15° above normal. Windy central. Precipitation mostly west, 0.10 in. south to more than 2.00 in. extreme north.

Topsoil, subsoil moisture mostly adequate. Grazing fall ranges opened as snow cover receded. Livestock care, marketing progressed normally with favorable weather.

NEBRASKA: Temperatures ranged 7 to 10° above normal. Very little precipitation, only 0.20 in. Panhandle.

Days suitable for fieldwork 6.8. Topsoil moisture 4% short, 79% adequate and 17% surplus. Subsoil moisture 2% short, 81% adequate, 17% surplus. Wheat mostly good. Soybeans, sorghum harvest virtually complete. Corn harvest nearing completion as moisture content of grain still high some areas. Dryers, storage at premium. Range, pasture feeds adequate to surplus. Cattle moving onto stubble fields.

NEVADA: Week mostly dry, slightly above normal temperatures. Only exception northwest which received snow. Trace rain, snow western Sierra area. Remainder of State dry. Temperature extremes 30; 77°.

Sunny, mostly dry weather ideal for livestock feeding operations. Marketing potatoes good progress.

NEW ENGLAND: Precipitation averaged 1.00 to 1.50 in. all areas except; 1.50 to 2.00 in. southern Vermont, southern Maine, central Connecticut, Rhode Island. Coastal Connecticut averaged 2.00 to 2.50 in. Average temperatures averaged upper 20s northern Maine, 40s southern coastal, 30s elsewhere.

Major farm activities: Tending livestock, repairing machinery, moving crops from storage.

NEW JERSEY: Temperatures above normal, averaging 39° north, 43° south, 45° coastal. Extremes 18°; 66°. Precipitation above normal, averaging 1.54 in. north, 1.09 in. south, 1.04 in. coastal. Heaviest 24-hour total 1.99 in. on 26th, 27th.

Wet conditions continued to hamper harvest of soybeans, corn for grain. Marketing active for Thanksgiving turkeys, commodities out of storages. Fruit pruning advanced. Fall sown grain, cover crop good.

NEW MEXICO: Weekly average temperatures generally little above normal northern areas, little below normal southern areas. Precipitation meager with only trace to 0.04 in. few places north.

Days suitable for fieldwork 6.0. Soil moisture 70% adequate, 30% excess. Freeze damage 43% light, 57% moderate. Alfalfa dormant. Cotton 14% poor, 14% fair, 72% good. Corn 34% fair, 33% good, 33% excellent. Barley 17% fair, 66% good, 17% excellent. Irrigated grain sorghum 33% fair, 67% good. Dryland grain sorghum 20% fair, 80% good. Pecans 20% fair, 80% good. Chile 100% good. Cattle 20% fair, 80% good. Sheep 14% fair, 86% good. Range 50% fair, 40% good, 10% excellent.

NEW YORK: Precipitation above normal to well above normal statewide. South central areas received largest amounts. Temperatures averaged well above normal. Highs reaching 60° few locations. High pressure from southwest controlling factor late week.

Corn harvest continued, weather permitting. Some lime, potash still being applied. Fall plowing continued. Growers busy closing out end of year business, maintaining machinery.

NORTH CAROLINA: Temperatures averaged 8 to 10° above normal statewide, due largely to mild overnight readings and two very warm days midweek. Temperature extremes 27°; 79°. Precipitation ranged from 0.07 to 6.89 in.

Days suitable for fieldwork 2.4. Soil moisture 13% short, 82% adequate, 5% surplus. Cotton harvest average. Soybeans harvest behind average. Wheat planting ahead of average. Small grains fair to mostly good. Oats planted 90%, 81% 1985, 89% avg. Barley planted 94%, 82% 1985, 92% avg. Rye planted 88%, 85% 1985, 87% avg. Sorghum harvested 88%, 92% 1985, 95% avg. Sweetpotato harvest virtually complete. Pasture 4% very poor, 9% poor, 40% fair, 47% good. Major farm activities: Seeding small grains; harvesting soybeans, cotton, sorghum, cabbage, sweetpotatoes; grading, stripping, marketing tobacco; land preparation; cutting firewood, Christmas trees; tending livestock; conservation work; general farm maintenance.

NORTH DAKOTA: Warm temperatures with minimal precipitation prevailed. Temperatures averaged 6 to 11° above normal. Extremes ranged from 6° above north central to 58° southwest. Only measurable precipitation northeast, 0.02 in.

Corn, sunflower harvest continued with 98 and 94% complete, respectively. Final harvest bogged down central, south central due to large snow drifts remaining in fields. Statewide, only 43% winter wheat and 48% rye sufficient snow cover for survival. Statewide average snow cover 4 in, but most fields now uncovered. Livestock going into winter mostly good to excellent condition. Hay supply outlook adequate to plentiful.

OHIO: Average temperatures 1 to 4° above normal. Lows in mid 20s, highs in low 60s. Precipitation 1.00 to 1.50 in. Soil temperatures upper 30s to mid 40s.

Days suitable for fieldwork 2.6. Soil moisture 25% adequate, 75% surplus. Corn, soybean harvest ahead of 1985 pace, near normal. Winter wheat planting finished; most stands emerged. Wheat mostly good.

OKLAHOMA: Temperatures averaged 5° below normal south central to 2° above normal Panhandle. Precipitation averaged none Panhandle to 1.83 in. south central.

Days suitable for fieldwork 3.3. Topsoil moisture 55% adequate, 45% surplus. Subsoil moisture 2% short, 98% adequate. Wheat 45% fair, 55% good; 95% planted, 98% 1985, 97% avg.; 80% emerged, 90% 1985, 80% avg.; 30% grazed, 35% 1985, 20% avg. Fall rains caused nitrogen leaching, excessive weed growth. Sorghum 75% harvested, 95% 1985, 90% avg. Cotton 3% poor, 95% fair, 2% good; 10% harvested, 45% 1985, 40% avg. Row crop quality deteriorated as harvest delayed by prolonged wet fields. Cotton harvest 5 weeks behind normal. Pastures good; cold night temperatures restricted growth. Cattle good; supplemental feeding increasing, hay supplies abundant.

OREGON: Most temperatures above normal, largest departure east. Eastern readings mainly 4 to 6° above normal. Western temperatures 2 to 3° above normal. Precipitation mostly 4.00 to 5.00 in. coast, up to 11.00 in. Western interior mainly 2.00 to 3.00 in., nearly 5.00 in. Eugene. Columbia Basin east of Cascades 0.70 in. to over 1.00 in. of precipitation. Remainder of east 0.50 in. or less. Soil moisture 70% adequate, 30% surplus. Most field crops good condition. Weather good for crop development. Fall work completed. Fruit trees dormant east. Vegetable harvest completed. Livestock, range, pasture mostly good. Very good autumn conditions allowed longer than normal grazing east of Cascades. Calf weaning, marketing feeders continued.

PENNSYLVANIA: Temperatures near normal but really soggy. Average temperature 39°. Temperature extremes 20°; 66°. Average precipitation 1.06 in., 0.30 in. above normal.

Days suitable for fieldwork 2.0. Soil moisture 32% adequate, 68% surplus. Corn harvest 83% complete, 76% 1985, 90% avg. Soybean harvest 88% complete, 79% 1985, 92% avg. Amount of feed being obtained from pastures mostly average. Activities: Harvesting soybeans, corn grain; spreading manure, fertilizer.

PUERTO RICO: Island average rainfall 1.54 in., 0.31 in. above normal. Highest weekly total 7.89 in. Highest 24-hour total 2.42 in. Temperature averaged about 77 to 78° on coasts, 70 to 71° interior divisions. Mean station temperature range 65 to 80°. Extremes 56°; 90°. San Juan mean temperature 78°. Total rainfall 1.19 in.

SOUTH CAROLINA: Temperatures averaged considerably above normal, 55 to 65°. Rainfall amounts averaged 0.50 to 3.00 in.

Days available for fieldwork 2.5. Soil moisture 2% very short, 19% short, 60% adequate, 19% surplus. Cotton open bolls 100%; 78% harvested, 94% 1985, 98% avg.; 58% very poor, 23% poor, 19% fair. Soybeans mature 100%; 52% harvested, 38% 1985, 55% avg.; 17% very poor, 44% poor, 39% fair. Tobacco stalks destroyed 94%, 100% 1985, 100% avg. Sweetpotatoes fair; 85% harvested, 92% 1985, 98% avg. Peanuts fair; 92% harvested, 98% 1985, 99% avg. Barley, oats, rye, wheat fair to good. Pastures, livestock fair to good.

SOUTH DAKOTA: Average temperatures 10° above normal. Extremes 12°; 67°. Black Hills low 1°. Precipitation light. Little to no snow cover.

Days suitable for fieldwork 4.9. Topsoil moisture surplus portions of east central, southeast, adequate elsewhere; 2% short, 85% adequate, 13% surplus. Sorghum, sunflower harvest nearly complete. Corn harvest continued. Livestock good to excellent. Supplemental feeding when needed. Feed, stock water adequate.

TENNESSEE: Rainfall widespread early, late week. Averaged 1.00 in. or more. Minimum temperatures above normal statewide. Low 36°. High 69°. Cotton 96% harvested, 90% 1985, 93% avg. Soybeans 70% harvested, 83% 1985, 88% avg.

TEXAS: Showers, thunderstorms across much State last week. Flash flood watches east early week. Temperatures below normal. Rainfall below normal High Plains, Trans-Pecos; above normal elsewhere.

Crops: Grain sorghum harvest continued good pace Plains. Early morning damp conditions delay start times. Most producers wrapping up harvest within week or two, weather permitting. Mature 100%, 100% 1985, 100% avg. Cotton harvest remained active good portion High Plains. Damp morning conditions also delayed starting times each day. Some fields yielding little better than expected; overall yields, grades low. Harvest not move as fast areas Low Plains because early week rain. Harvest resumed Trans-Pecos. Remaining harvest Hill Country slow because rain. Open bolls 89%, 97% 1985, 98% avg. Most small grain planting completed over State only scattered fields wet areas remaining to plant. Fields across State providing good to excellent grazing for livestock. Most stands well established, making good growth. Greenbug activity increasing Blacklands; recent cold weather slowed down problem. Drier weather needed along upper coast for further progress. Peanut harvest moved along well Plains; progress slow Cross-Timbers, Blacklands because rain early week. Quality, yield good. Harvesting completed Plains soon. Harvested 87%, 66% 1985, 83% avg. Soybean harvest another good week Plains, now complete many areas. Yields fair to good, still below average. Upper coast harvest delayed rain, quality continued decline. Harvested 90%, 65% 1985, 85% avg. Sugarbeet harvest good progress. Some recent freeze damage beets on ground. Sugarcane harvest slow progress because rainy conditions. Yields continued good. Other crops harvested: Sunflowers 90%, 85% 1985, 92% avg. Sugarbeets 63%, 73% 1985, 89% avg. Pecans 76% 42% 1985, 55% avg. Other crops planted: Oats 94%, 81% 1985, 93% avg.

Commercial Vegetables: Rio Grande Valley, harvest fall, winter vegetables gaining momentum early week rain slowed progress. Onions, carrots progressed well. Damp condition continued cause some disease problems. Grapefruit harvest increased. Fruit on trees continued size well. San Antonio-Winter Garden, rain slowed most field activity. Spinach harvest underway slow pace. Demand, price good. Harvest neared carrots. Cabbage, cucumbers for pickles being harvested. Trans-Pecos, red chill, lettuce harvest continued. Pecan quality continued good most areas. Harvest good progress areas with little rainfall. Prices holding good levels.

Range and Livestock: Grazing conditions continued good most parts State. Native pastures making good growth; recent cold temperatures slowed growth somewhat. Small grain pastures continued provide good grazing over State. Livestock responding to good pastures, showing good weight gains. Some supplemental feeding continued. Few cases prussic acid poisoning reported after freeze. Stocker cattle continued arrive many areas.

UTAH: Precipitation none Uinta Basin, southeast, light elsewhere. Temperatures 2° below to 4° above normal.

Open winter favors harvest completion, fall grazing, tillage, fertilizer application. Winter ranges mostly good. Adequate feed supplies. Livestock generally good. Major farm activities:

Fall tillage, fertilizer application, livestock chores, winterizing, marketing, filling feedlots.

VIRGINIA: Above normal temperatures, precipitation. Temperatures averaged 4° above normal. Range 23 to 76°. Rainfall averaged 0.75 in. Range 0.02 to 1.11 in.

Days suitable for fieldwork 2.9. Topsoil moisture 4% short, 68% adequate, 28% surplus. Damp air, light rain, holiday limited field activity. Grain corn harvest final stages, 94% complete. Soybean harvest 59% complete, 51% 1985, 78% avg. Wheat 86% seeded, 77% 1985, 88% avg. Small grains good to excellent, some weed control activity. Pastures good. Livestock good to excellent. Marketed burley tobacco. Prepared dark fire-cured tobacco for market. Livestock care, hunting, general farm chores main activities.

WASHINGTON: Above normal temperatures, precipitation; statewide.

Days suitable for fieldwork 5.0. Soil moisture 10% short, 70% adequate, 20% surplus. Winter wheat 100% seeded, 100% 1985, 100% avg. Winter

wheat emerged 100%, 100% 1985, 100% avg. Flooding some western counties. Most fields bare, unfrozen.

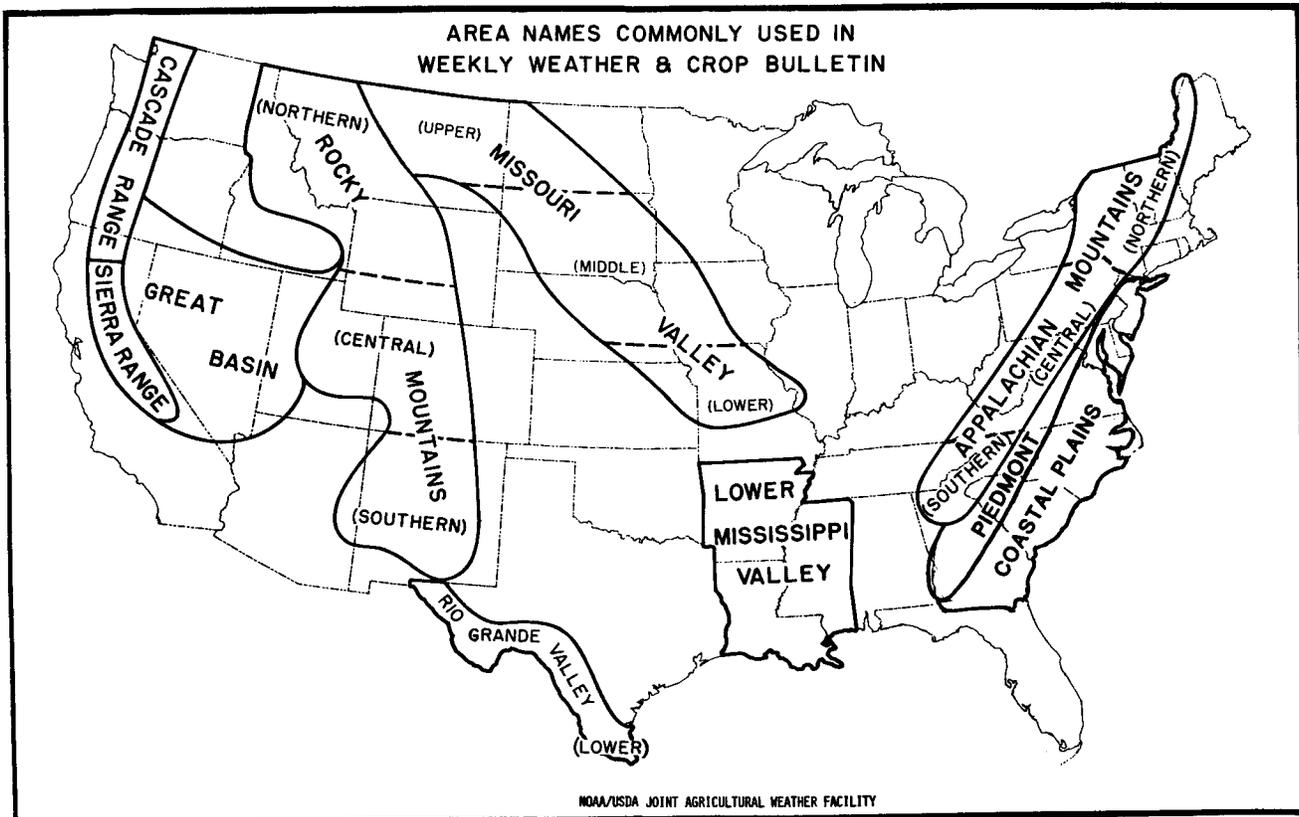
WEST VIRGINIA: Temperatures 2 to 7° above normal. Temperature extremes 19° Greenbank; 69° Gary. Average temperature 49°. Precipitation 0.14 in. below normal northeast; above normal elsewhere. Average precipitation 0.90 in.

WISCONSIN: Fairly warm, dry week. Temperatures averaged 33°, 7° above normal; low 7°, high 53°. Precipitation none to trace. Snow melted, frost left ground central, south.

Soil moisture 1% short, 62% adequate, 37% surplus. Corn harvest 91% complete, 67% 1985, 87% avg. Soybean harvest 95% complete, 76% 1985, 94% avg. Fall plowing 44% complete.

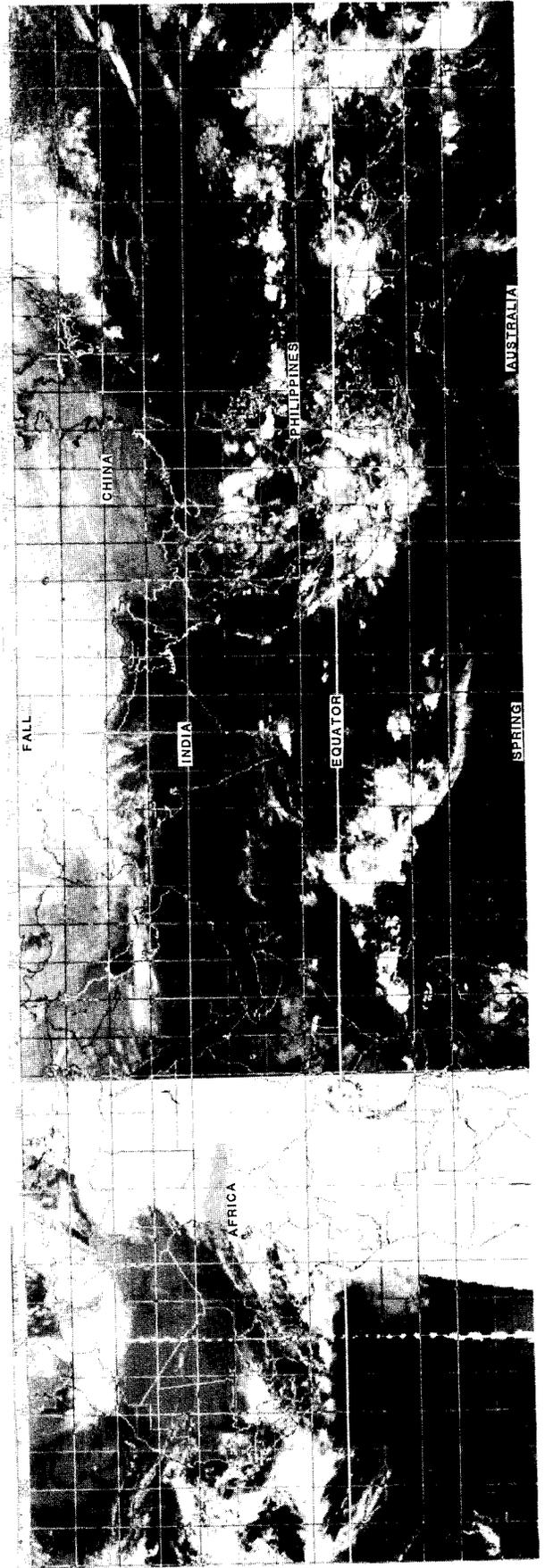
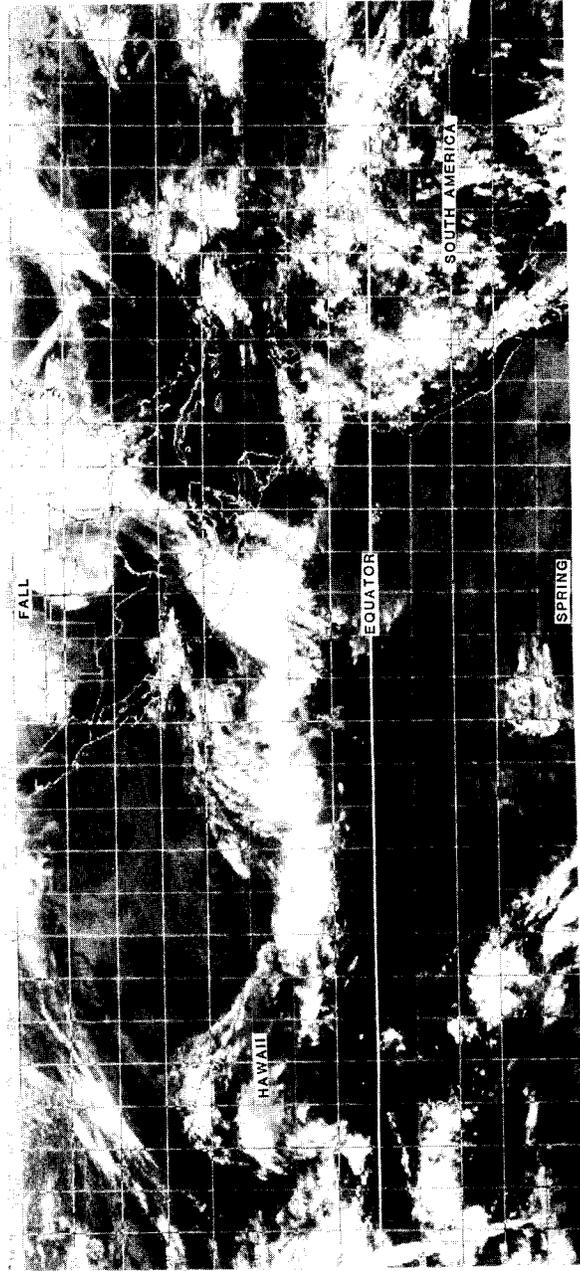
WYOMING: Temperatures above normal. Precipitation below normal.

Corn harvest continued. Winter wheat mostly good. Livestock mostly good. Winter pastures being utilized. Supplemental feeding areas with snow cover. Marketing livestock continued.



Global Weather Satellite Image

November 24, 25, 1986



International Weather and Crop Summary

November 1986

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
*** = DATA NOT AVAILABLE

November 23 - 29, 1986

HIGHLIGHTS:

UNITED STATES ... Precipitation across the central and eastern Corn Belt, Delta, Southeast, and southern Great Plains hampers harvest and winter wheat seeding. Planted wheat benefits from moisture, but rain may cause some acreage not to be planted in the Corn Belt and central Great Plains.

WESTERN U.S.S.R. ... The first bitter cold weather of the season covers southeastern winter grain areas. The extreme cold, however, was not of sufficient duration to produce widespread winterkill, and a light snow cover provided protection in some areas.

EUROPE ... Dry weather covers most crop areas. Mild weather favors continued winter grain growth in most areas, except for the extreme east where crops are entering dormancy.

SOUTH ASIA ... Dry weather prevails throughout most of the region.

EASTERN ASIA ... Dry weather covers most crop areas. Winter grains in the North China Plain began entering dormancy in northern areas.

MEXICO ... Dry weather prevails in the northwest wheat and west coast farming regions. Wet weather along the east coast slows sugarcane harvesting and winter vegetable planting.

SOUTHEAST ASIA ... Dry weather continues over most of Thailand, but inundative rain covers peninsular Thailand and Malaysia.

SOUTH AMERICA ... Rain slows fieldwork in Argentina and southern Brazil. Beneficial showers fall in Brazil's northern soybean area.

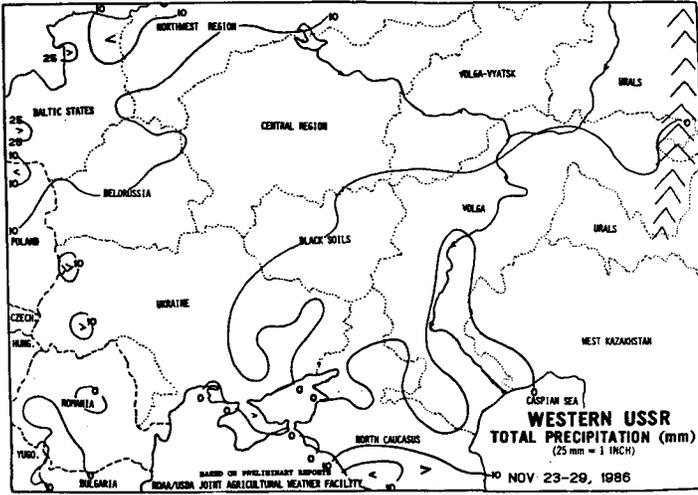
AUSTRALIA ... Rain in southeastern Queensland and northern New South Wales slows wheat harvest.

SOUTH AFRICA ... Rain favors early corn growth throughout the Maize Triangle.

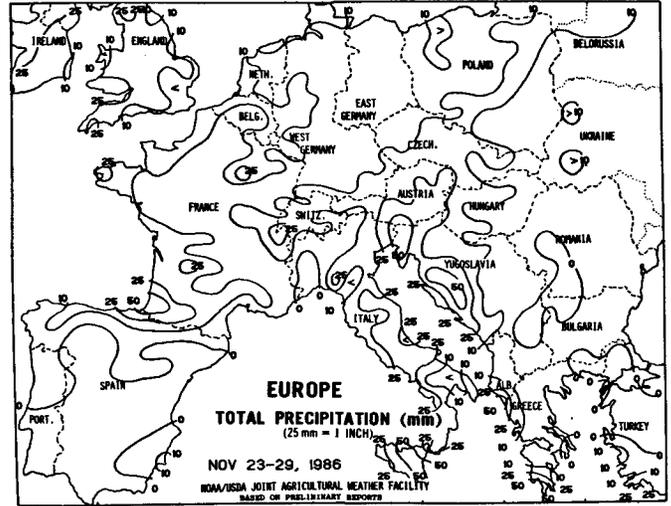
NORTHWESTERN AFRICA ... Wet weather in Tunisia and eastern Algeria continues to provide favorable moisture for winter grain planting. Dry weather returns to winter grain areas in Morocco and western Algeria.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI	LO	AVG	DPART F/NRM	DPART	
NORWAY	OSLO	5	0	10	-6	2	3.6	120.0	27.9
SWEDEN	STOCKHOLM	7	3	11	-6	5	2.3	36.4	-14.7
FINLND	HELSINKI	5	1	10	-7	3	2.6	122.5	54.9
U KING	GLASGOW	10	5	14	-5	7	0.8	191.8	78.5
	EDINBURGH	10	5	14	-4	7	1.5	51.0	-13.2
	BIRMINGHAM	10	5	14	-2	8	1.2	81.2	19.0
	LONDON	11	5	14	0	8	1.8	107.8	25.3
IRELND	DUBLIN	10	5	15	0	8	0.8	106.2	37.1
ICELND	REYKJAVIK	2	-1	7	-7	1	-1.0	67.3	-11.5
DENMRK	COPENHAGEN	9	6	11	-3	7	1.8	38.6	-9.4
LUXEMB	LUXEMBOURG	9	4	15	-3	6	1.8	82.8	9.2
SWITZL	ZURICH	9	3	14	-4	6	2.2	41.4	-38.4
	GENEVA	9	2	15	-3	5	0.3	61.2	-35.3
FRANCE	PARIS	12	6	18	-3	9	2.1	53.3	-1.5
	STRASBOURG	11	3	18	-2	7	2.1	19.7	-27.9
	BOURGES	11	5	19	-3	8	1.6	40.8	-20.8
	BORDEAUX	14	6	19	-2	10	1.2	69.8	-26.7
	TOULOUSE	14	6	21	-2	10	1.8	46.9	-7.8
	MARSEILLE	16	8	20	1	12	1.5	18.1	-45.1
SPAIN	VALLADOLID	12	3	17	-4	7	0.1	23.0	-27.6
	MADRID	15	2	20	-3	9	-0.3	9.0	-57.0
	SEVILLE	21	9	25	6	15	0.9	26.4	-51.7
E GRMY	LEIPZIG	10	4	15	-4	7	2.4	8.0	-28.5
	DRESDEN	10	4	16	-3	7	2.6	22.2	-19.8
W GRMY	HAMBURG	10	5	16	-2	8	2.5	63.6	-0.1
	BERLIN	10	5	14	-2	7	2.6	21.6	-25.5
	DUSSELDORF	12	7	16	0	9	3.2	38.5	-24.5
	STUTTGART	10	1	18	-7	6	1.6	35.1	-12.5
	NURNBERG	9	2	16	-6	6	1.7	27.8	-13.4
	MUNICH	10	0	18	-5	5	1.9	29.1	-28.2
AUSTRI	VIENNA	8	2	13	-2	5	0.3	37.4	-4.5
	INNSBRUCK	11	-1	18	-6	5	1.7	26.2	-32.7
CZECH	PRAGUE	8	2	13	-3	5	1.4	10.4	-17.3
POLAND	WARSAW	8	2	13	-5	5	1.9	24.5	-15.3
	LODZ	8	3	12	-4	5	2.9	21.5	-17.6
	KATOWICE	9	2	17	-5	6	3.1	16.2	-24.7
	PRZEMYSL	9	2	13	-3	6	2.0	22.2	-22.3
HUNGAR	BUDAPEST	9	2	13	-4	5	0.1	11.8	-42.8
YUGOSL	SARAJEVO	10	0	16	-4	5	-1.0	33.6	-77.4
ROMANI	BUCHAREST	8	1	14	-5	5	-1.2	1.4	-45.7
BULGAR	SOFIA	8	0	14	-5	4	-2.5	4.7	-45.6
ITALY	MILAN	11	5	15	-2	8	1.2	25.2	-85.8
	VERONA	12	5	15	-1	8	1.3	36.9	-43.0
	VENICE	13	5	18	0	9	1.0	53.2	-43.6
	GENOA	16	11	20	7	14	1.0	67.4	-91.9
	ROME	18	9	21	4	13	1.0	48.4	-58.3
	NAPLES	19	8	24	3	13	1.0	157.5	4.1
GREECE	THESSALONIKA	14	6	18	-2	10	-1.6	52.3	1.0
	LARISSA	14	4	19	-1	9	-2.2	57.8	3.8
	ATHENS	17	10	20	4	13	-2.7	39.5	-16.9
TURKEY	ISTANBUL	12	7	16	4	10	-2.0	54.7	-33.3
	ANKARA	9	-4	17	-11	3	-3.2	18.1	-6.9
CYPRUS	LARNACA	21	10	26	5	15	-2.3	21.2	-16.9
USSR	TALLINN	5	2	10	-5	4	2.8	66.3	9.3
	LENINGRAD	4	2	10	-3	3	3.2	41.4	-11.1
	KAUNAS	6	2	10	-3	4	2.0	47.5	-2.4
	MINSK	4	1	8	-5	2	1.7	33.7	-14.0
	KAZAN	-3	-8	2	-18	-6	-2.1	50.6	13.9
	MOSCOW	1	-1	7	-9	0	1.6	28.8	-20.0
	SVERDLOVSK	-3	-9	5	-22	-6	-0.7	36.8	9.7
	OMSK	-4	-9	4	-17	-6	2.0	16.8	-6.0
	KUSTANAY	-3	-9	4	-20	-6	-0.1	29.6	8.2
	KRASNOYARSK	-4	-10	6	-25	-7	2.0	11.9	-22.8
	NOVOSIBIRSK	-4	-8	2	-18	-6	3.6	13.1	-14.8
	BARNAUL	-5	-10	4	-21	-7	0.2	18.3	-18.8
	KHABAROVSK	-5	-13	6	-21	-9	-1.3	31.3	15.5
	VLADIVOSTOK	2	-4	12	-11	-1	0.1	18.9	-15.2
	KIEV	3	0	9	-6	2	-0.3	25.6	-25.7
	LVOV	8	0	12	-5	4	1.3	17.2	-30.9
	KIROVOGRAD	3	-2	9	-18	0	-1.6	14.3	-21.0

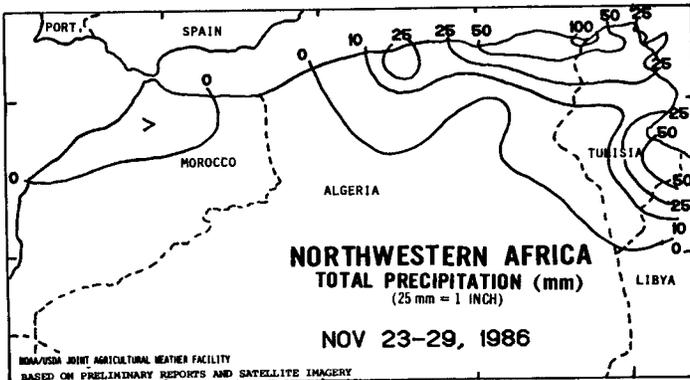
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)				
	AVG	AVG	HI	LO	DPART	AVG	F/NRM	TOTAL		DPART	AVG	AVG	HI	LO	DPART	AVG	F/NRM	TOTAL	DPART
	MAX	MIN	MAX	MIN	AVG	MAX	MIN	AVG		F/NRM	MAX	MIN	MAX	MIN	AVG	MAX	MIN	AVG	F/NRM
USSR	ODESSA	6	1	13	-8	3	-2.5	7.1	-42.0	TANZAN	DAR ES SALAAM	31	22	34	20	27	0.3	179.1	64.3
	YALTA	9	4	15	-5	6	-3.0	37.3	-23.7	GABON	LIBREVILLE	28	23	30	21	25	-0.7	478.6	-44.2
	VORONEZH	0	-5	5	-15	-2	-1.8	18.1	-26.0	TOGO	LOME	32	23	34	21	27	0.4	12.9	-9.5
	SARATOV	-3	-7	3	-17	-5	-2.7	54.8	24.3	B FASO	OUAGADOUGOU	35	20	38	14	27	-0.7	37.3	35.8
	KHARKOV	2	-4	7	-12	-1	-2.1	13.7	-27.4	IVRY C	ABIDJAN	30	25	32	23	28	0.6	74.6	-84.5
	VOLGOGRAD	1	-5	11	-14	-2	-2.0	6.0	-27.6	MOZAMB	MAPUTO	28	20	38	16	24	0.3	40.3	-26.8
	ROSTOV	2	-3	9	-12	0	-3.5	24.9	-24.0	ZAMBIA	KABWE	29	17	32	14	23	0.3	129.0	26.7
	ASTRAKHAN	4	-3	11	-11	1	-2.0	13.1	-0.7	ZIMBAB	HARARE	28	16	32	13	22	1.3	51.5	-59.3
	KRASNODAR	6	0	14	-7	3	-3.0	46.1	-14.4	S AFRI	PRETORIA	26	15	31	9	21	0.1	89.2	-20.2
	ORENBURG	-4	-9	6	-20	-6	-3.7	34.0	-4.5		KROONSTAD	26	13	32	6	19	-1.0	154.8	72.8
	TSELINOGRAD	-3	-9	9	-24	-6	2.0	26.0	14.5		JOHANNESBURG	23	12	29	6	18	-0.2	191.4	71.9
	KARAGANDA	-1	-9	15	-22	-5	0.8	17.2	-3.9		BETHAL	22	12	28	6	17	-1.0	115.1	-11.9
	TBILLISI	10	5	19	0	8	-0.4	54.2	25.2		DURBAN	24	18	29	14	21	0.0	121.0	17.6
	TASHKENT	13	4	28	-9	8	1.5	23.7	-24.1		CAPE TOWN	23	14	30	5	18	0.4	20.7	3.0
	ASHKHABAD	14	3	30	-7	8	-0.4	8.8	-12.1	CANADA	TORONTO	6	-3	19	-11	2	-1.5	42.0	-20.8
SYRIA	DAMASCUS	17	3	25	-3	10	-3.1	48.4	21.2		MONTREAL	4	-3	16	-11	1	-1.5	58.1	-23.0
ISRAEL	JERUSALEM	15	8	21	3	11	-4.3	234.0	175.3		WINNIPEG	-5	-14	7	-26	-10	-5.5	50.1	24.9
PAKIST	KARACHI	33	16	38	7	24	0.4	0.0	-5.6		REGINA	-3	-14	11	-24	-8	-3.3	7.7	-5.9
INDIA	AMRITSAR	27	9	31	4	18	-0.1	11.6	5.4		SASKATOON	-4	-13	9	-26	-9	-2.8	13.1	-5.7
	NEW DELHI	29	14	33	9	22	1.0	0.0	-4.9		LETHBRIDGE	-2	-11	14	-28	-4	-3.6	33.6	16.8
	AHMEDABAD	34	18	37	13	26	0.8	0.0	-8.7		CALGARY	1	-12	17	-22	-5	-2.8	10.3	-2.4
	INDORE	31	14	34	4	22	0.7	0.0	-20.1		EDMONTON	-3	-12	11	-24	-8	-4.1	27.5	11.7
	CALCUTTA	29	20	36	17	24	0.9	269.6	253.8		VANCOUVER	9	4	14	-2	6	0.2	176.6	26.6
	VERAVAL	33	19	37	10	26	-0.5	0.0	-6.3	MEXICO	GUADALAJARA	26	9	31	4	18	0.4	9.9	-3.5
	BOMBAY	34	21	36	18	28	1.1	12.0	4.7		MEXICO CITY	23	10	28	6	17	2.9	7.8	-5.9
	POONA	32	15	34	9	24	0.9	2.9	-26.9		ACAPULCO	33	24	34	22	28	0.7	62.3	9.2
	BEGAMPET	31	19	34	15	25	2.1	29.1	13.2		BERMUD ST. GEORGES	25	21	28	18	23	1.4	60.4	-58.5
	MADRAS	30	23	33	20	27	0.6	148.6	-199.9		BAHAMA NASSAU	30	21	31	18	26	2.0	8.8	-56.2
	MANGALORE	32	22	35	20	27	0.1	133.9	62.8		CUBA HAVANA	31	23	34	21	27	2.9	16.2	-54.7
H KONG	HONG KONG	23	18	27	15	21	-0.8	170.1	135.6		JAMAIC KINGSTON	31	24	33	22	27	0.4	43.9	-29.1
N KREA	PYONGYANG	7	-4	18	-12	1	-2.3	52.9	3.9		P RICO SAN JUAN	29	23	31	22	26	-0.3	113.0	-29.0
S KREA	SEOUL	9	2	16	-6	6	-0.8	39.9	3.8		GUADEL RAIZET	30	22	32	20	26	0.7	109.3	-28.2
JAPAN	SAPPORO	6	1	15	-4	3	-0.6	79.5	-24.1		MARTINQ LAMENTIN	30	23	31	21	26	1.1	178.2	3.2
	NAGOYA	16	7	22	1	12	0.4	32.0	-42.3		BARBAD BRIDGETOWN	29	24	30	22	26	-0.4	63.5	-82.4
	TOKYO	15	9	22	3	12	-0.1	42.0	-50.6		TRINID PORT OF SPAIN	30	23	32	21	26	0.7	191.1	-17.3
	YOKOHAMA	15	9	21	3	12	-0.3	35.5	-68.8		COLOMB BOGOTA	19	9	22	4	14	0.8	235.1	141.6
	KYOTO	16	7	21	1	12	0.1	21.0	-53.5		VENEZU CARACAS	31	24	32	22	27	0.4	3.7	-47.8
	OSAKA	17	9	23	3	13	0.0	19.5	-53.8		F GUIA CAYENNE	31	23	32	21	27	-0.5	25.2	0.6
THAILN	PHETCHABUN	32	20	34	15	26	0.8	0.0	-19.1		BRAZIL FORTALEZA	31	24	32	23	27	0.4	318.3	285.7
	BANGKOK	32	23	34	19	27	0.2	242.0	194.2		RECIFE	29	24	30	21	27	0.4	188.2	-58.9
MALAYS	KUALA LUMPUR	30	23	33	22	26	0.3	204.7	-74.2		BELO HORIZONTE	29	18	34	9	24	1.7	131.8	-32.3
VIETNM	HANOI	24	19	30	13	22	-0.1	42.7	-0.5		CAMPO GRANDE	32	21	35	14	27	2.7	131.8	-32.3
CHINA	HARBIN	-1	-10	10	-16	-5	1.9	6.8	0.0		FRANCA	28	18	32	11	23	2.0	100.2	-105.8
	HAMI	5	-6	13	-13	0	-0.2	0.0	-1.4		RIO DE JANEIRO	28	23	35	18	25	1.5	42.8	-66.3
	LANCHOW	8	-3	16	-7	3	0.8	3.7	-1.8		LONDRINA	30	19	35	11	25	2.1	91.2	-72.2
	BEIJING	9	-1	16	-9	4	-0.2	6.8	0.1		SANTA MARIA	27	18	37	8	22	1.1	303.7	192.7
	TIENTSIN	10	1	18	-6	5	-0.1	4.7	-4.9		PORTO ALEGRE	27	19	38	12	23	1.4	298.4	223.5
	LHASA	12	-5	15	-9	3	0.0	0.8	-1.0		PERU LIMA	22	17	25	15	20	1.0	2.0	2.0
	KUNMING	18	7	21	4	12	1.2	21.7	-16.9		BOLIVI LA PAZ	14	3	18	1	9	-1.7	121.7	71.6
	CHENGCHOW	12	3	21	-7	7	-0.5	3.5	-27.1		CHILE SANTIAGO	24	9	34	3	16	-1.0	20.6	13.4
	YEHCHANG	15	9	23	3	12	-0.4	37.2	-7.5		ARGENT IGUAZU	30	20	36	12	25	***	115.0	***
	HANKOW	14	7	24	-2	11	-0.4	28.4	-22.3		FORMOSA	30	21	37	13	26	1.3	212.2	74.2
	CHUNGKING	14	11	19	6	12	-2.6	65.5	15.3		CERES	27	17	36	9	22	-0.6	106.2	0.6
	CHIHKIANG	15	9	25	3	12	-0.3	28.5	-40.9		CORDOBA	27	16	39	10	21	0.7	187.1	77.6
	SHANGHAI	16	10	22	1	13	0.6	13.4	-35.4		RIO CUARTO	25	14	36	10	20	0.1	77.3	-38.9
	NANCHANG	16	10	24	2	13	-0.4	20.1	-32.1		ROSARIO	25	16	32	10	21	0.6	166.8	60.9
	TAIPEI	23	20	33	13	21	1.2	164.3	100.3		BUENOS AIRES	24	14	31	7	19	0.5	180.5	94.8
	CANTON	24	15	29	9	20	0.3	20.5	-16.4		SANTA ROSA	24	12	32	3	18	-1.6	58.9	-27.9
	NANNING	23	14	29	7	19	0.4	23.8	-14.0		TRES ARROYOS	21	12	29	2	17	-0.3	57.0	-10.9
CNRY I	LAS PALMAS	23	18	25	15	20	0.5	22.9	-6.1	MIDW I	MIDWAY ISLAND	26	21	28	18	23	0.8	21.9	-96.9
MOROCC	CASABLANCA	21	11	24	9	16	0.0	90.0	26.3		N CALD NOUMEA	27	21	32	19	24	0.3	112.7	55.1
	MARRAKECH	22	10	29	5	16	0.8	58.0	24.0		FIJI NAUSORI	28	23	30	19	25	0.4	55.6	-203.0
ALGERI	ALGER	21	10	26	5	16	0.8	85.6	-15.3		SAMOA PAGO PAGO	30	25	32	18	28	0.7	232.8	-47.9
	BATNA	14	5	20	1	9	-0.4	21.4	-14.7		TAHITI PAPEETE	31	23	32	22	27	0.9	65.4	-79.6
TUNISI	TUNIS	19	12	22	8	16	0.4	65.0	0.5		N ZEAL AUCKLAND	20	13	23	8	16	0.3	45.1	-38.8
NIGER	NIAMEY	36	21	41	17	29	0.9	0.8	0.8		WELLINGTON	18	10	22	6	14	0.7	50.9	-41.9
MALI	TIMBUKTU	33	18	38	11	26	-1.1	0.0	0.0	PA N G	PORT MORESBY	31	26	34	24	28	0.6	22.5	-45.6
	BAMAKO	34	22	36	17	28	1.2	0.0	-7.1	AUSTRL	DARWIN	32	27	34	22	30	0.3	103.0	-33.1
MAURIT	NOUAKCHOTT	31	19	36	14	25	-0.6	4.9	-0.										



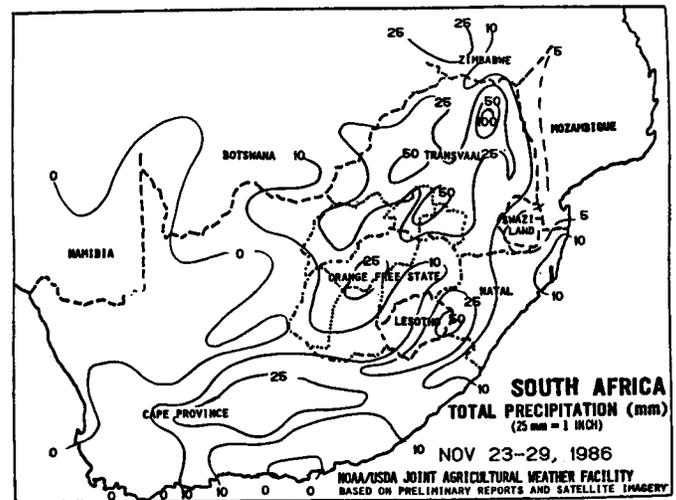
WESTERN U.S.S.R. ... High pressure kept most of the region unseasonably cold and dry. A clockwise flow of air around the high caused cold air from Siberia to advect westward into eastern and southeastern winter grain areas. Coldest weather on November 27, 28, and 29 covered winter grains in the extreme eastern Ukraine, western Black Soils Region, Volga Valley, and the northern North Caucasus. Minimum temperatures on these days dropped to around -15 degrees C, with some locations reporting temperatures as low as -19 degrees C. While temperatures in these areas reached the threshold for winterkill, the combination of snow cover and short duration of extreme cold minimized the potential for significant winterkill.



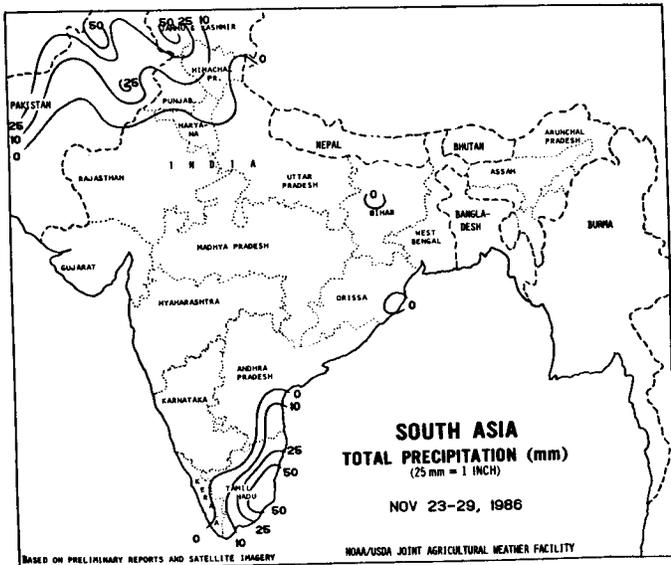
EUROPE ... The ridge of high pressure kept most of Europe dry. The air flow, however, was mainly from the west, ushering in mild, maritime air. As a result, weekly temperatures were near-to-above normal over the region. The only areas that received substantial rain were southeastern France, Italy's Po Valley, and east coast of Yugoslavia. The rain in southwestern France likely delayed final corn harvesting efforts. Winter grains in central and eastern Europe were cold hardening, and crops in the extreme east were likely entering dormancy. In Spain, dry weather helped fieldwork for winter grain planting. Moisture supplies are adequate for emergence and early plant growth.



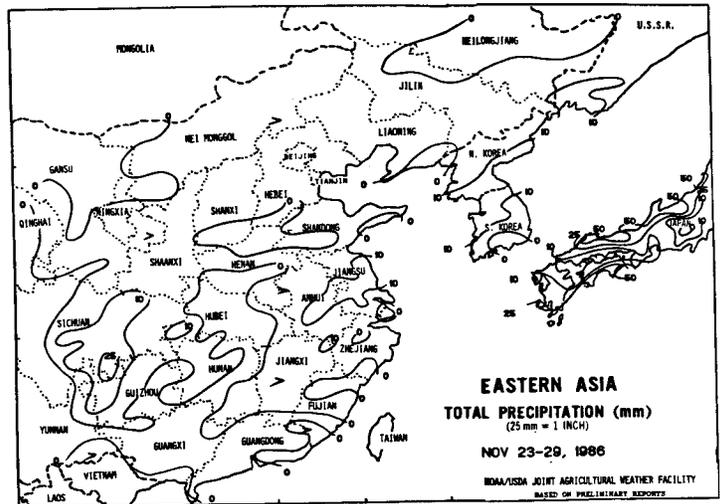
NORTHWESTERN AFRICA ... Usually, winter grain planting is well underway across the region. Early-week moderate showers (25 to 50mm) in northeastern Algeria and Tunisia continued to provide favorable soil moisture for winter grain emergence and early growth. Elsewhere, mostly dry weather in Morocco and northwestern Algeria allowed winter grain planting to progress with few delays. Topsoil moisture in these areas is mostly adequate for crop emergence and plant establishment.



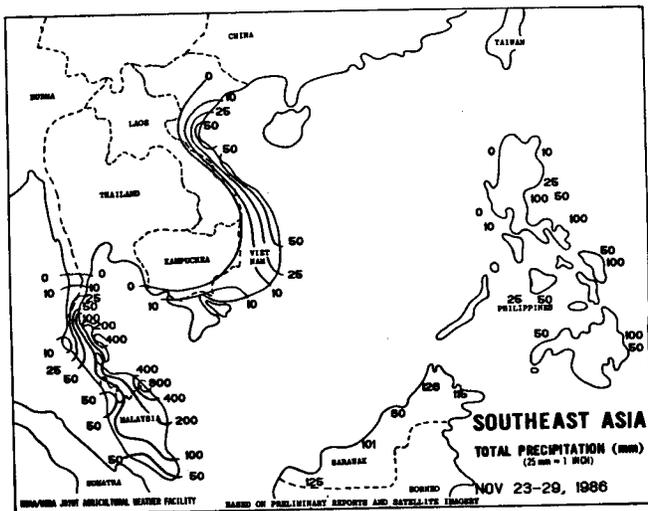
SOUTH AFRICA ... Rain fell over all corn growing areas of the Orange Free State, Transvaal, and Natal. Weekly rainfall generally averaged 20 to 30mm in the Maize Triangle, with heavier showers (30 to 65mm) across the northern portion. Isolated heavy showers (88 to 114mm) also occurred in the far northern Transvaal and southwestern Natal, bordering Lesotho. The rain maintained generally favorable conditions for early corn growth but likely slowed planting somewhat in the north. The planting season normally extends into December.



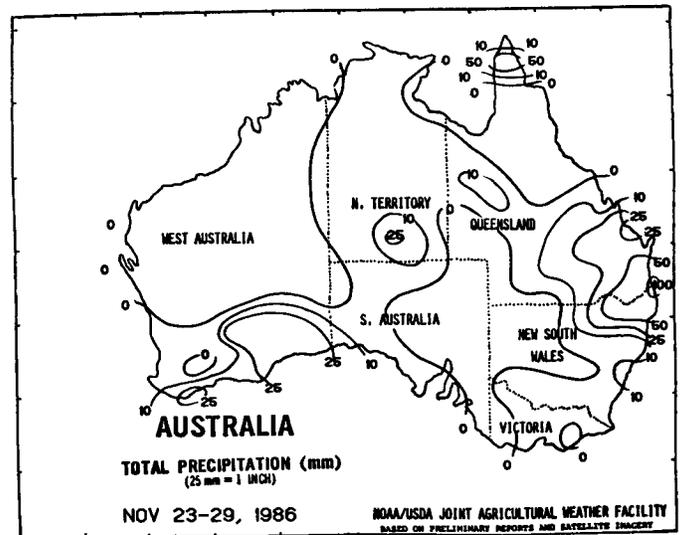
SOUTH ASIA ... Dry weather prevailed throughout India, except in the extreme northwest and southeast. Light showers (mostly less than 10mm) occurred in extreme northern Haryana, northwestern Uttar Pradesh, Punjab, the far northern states, and northern Pakistan. The moisture helped early winter grain development. In the southeast, showers (10 to 72mm) were confined to coastal areas of Tamil Nadu. Dry weather covered Bangladesh.



EASTERN ASIA ... Dry weather covered the region. Unseasonable cold weather covered the North China Plain and Korea with weekly temperatures ranging from 2 to 4 degrees C below normal. Temperatures were low enough to cause winter grains in northern Shaanxi, Shanxi, Hebei, northern Shandong, and North Korea to enter dormancy. Winter grains in southern Shaanxi, Henan, northern Anhui, southern Shandong, and South Korea began cold hardening. Dry weather in the Yangtze Valley and southern China helped rice harvesting.



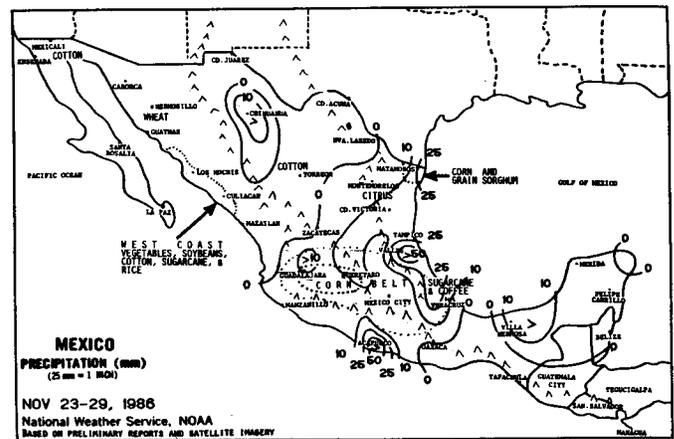
SOUTHEAST ASIA ... Dry weather prevailed over most of Thailand, Laos, and Kampuchea while showers fell along Vietnam's coast. Locally heavy rain (100 to 400mm) inundated the east coast of peninsular Thailand and Malaysia. Heavy tropical shower activity occurred along the equatorial region of Indonesia and Malaysia. In the Philippines, light rain (1 to 10mm) fell over western and northern Luzon, but heavy rain (50 to 150mm) occurred over southeastern Luzon and extended southward throughout the islands to northern Mindanao.



AUSTRALIA ... Rain in southeastern Queensland and northern New South Wales delayed wheat harvesting but helped moisture supplies for early summer crop growth. Weekly rainfall averaged 25 to over 50mm. Mostly dry weather (5mm or less of weekly rainfall) favored maturing wheat in southern New South Wales, Victoria, and South Australia. Light showers (1 to 5 mm) fell in the major wheat area of Western Australia, but heavier rain (10 to 30mm) occurred along the entire south coast of the western state. The wheat crop ranges from the grain-filling stage to maturing throughout the wheat belt.



SOUTH AMERICA ... More rain fell over the major crop areas of Argentina. While the frequent showers and thunderstorms have provided ample moisture for summer crop establishment, the recent wetness slowed late corn, sunflower, and soybean plantings. Weekly rainfall generally averaged 20 to 70mm throughout Buenos Aires, eastern Cordoba, southern Santa Fe, and the extreme northeastern provinces. Light rain fell in western crop areas. Wheat harvesting also advanced very slowly due to wet weather. The storms intensified in the east producing heavy rain (100 to 165mm) over northern Uruguay and Rio Grande do Sul, Brazil. The inundative rain halted soybean planting in the south. Substantial showers (25 to over 75mm) also fell over Parana, Mato Grosso do Sul, and southwestern Goias, slowing fieldwork but providing beneficial moisture for crop development. Beneficial showers also fell in Sao Paulo and Minas Gerais, easing the recent dryness.



MEXICO ... Mostly dry weather prevailed over northwestern winter wheat areas and along the west coast farming region. In the Southern Plateau corn belt, rainfall was generally light (1 to 6mm) in western and southern crop areas. Scattered, heavier showers (10 to 23mm) occurred in northern portions, slowing the corn harvest somewhat. Wet weather along the east coast slowed sugarcane harvesting and winter vegetable planting in the northeast. Light rain (1 to 13mm) fell in southern Mexico with mostly dry weather over the Yucatan peninsula.

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